

Local Energy Resources Network



Meeting 23
October 10, 2023

*Featuring Speakers from the Public
Health Institute/RAMP &
BayREN/BluePoint Planning*



Welcome!

Purpose

Interactive 1-hour meetings designed to be a regular space where local governments - and those who work with them - can help each other learn about (and possibly inform) available opportunities to advance their energy and climate goals.

TODAY'S AGENDA

- Opportunity Roundtable
- Opportunity Spotlight with Public Health Institute's RAMP program
- Featured presentation on the new statewide Home Energy Score Program
- BPC Workshop
- Optional: Extended 15 minutes for Bonus Breakouts



Opportunity Roundtable

Need/Have
Board

View all
Opportunities

Policy Drives Investment

Agencies Scope/ Design Assistance Programs & Gather Input

Applicants Apply to Funding Solicitation

State

- FY 21-22 Budget (\$15B climate resilience)
- FY 22-23 Budget (\$38.8B climate change)
- Cap and Trade auction revenue allocations (~\$19B raised since 2013)
- FY 23-24 Budget
- Other legislative action (e.g. SB 852 local climate resilience financing districts, SB 511 statewide local GHG inventories)
- State agency proceedings (e.g. *CPUC microgrid, CEC IEPR, *CARB Scoping Plan)

Federal

- Infrastructure Investment and Jobs Act (IIJA) (2021) = \$47B in climate resilience funding
- FY 22-23 Budget (\$44.9B climate change)
- Inflation Reduction Act (IRA) (2022)
- Biden's Proposed FY 23-24 Budget (\$52.2B climate change)

Funding

- EPA: Greenhouse Gas Reduction Fund "Solar for All" - (\$7B) - Municipalities/nonprofits intent to apply due Aug 14; apps due October 12
- DOE: Energy Improvement in Rural or Remote Areas Fixed Award Grant Program (\$50M) - due October 12, free TA
- CARB/CCI: Low Carbon Transportation Investments - Planning and Capacity Building Grants (\$3M for 6-15 grants) - Concept application due September 8, full applications due November 3
- CARB/CCI: Clean Mobility in Schools and the Sustainable Transportation Equity Project (STEP) (\$29.65M) - Concept application due September 8, full applications due November 3
- CEC: CRITICAL PATH (EV infrastructure) - due November 17
- DOE: Career Skills Training (\$10M) - due November 27
- DOE: Energy Future Grants (EFG): Phase 1 - due November 30
- DOE: Energy Storage Demonstration and Validation - due December 4, 2023
- SGC: Round 2 Regional Climate Collaboratives Program (\$8.5M) - Pre-Proposals due September 6, 2023; Full Proposals due December 6. Bi-weekly office hours. Tribal Workshop on July 18. Contact: CACE@sgc.ca.gov.
- CEC: Golden State Priority Project: Northern & Southern Regions (CALeVIP 2.0) - due December 12
- DOE: Communities Local Energy Action Program (LEAP) - due December 14
- DOE: Community Energy Innovation Prize - due February 2, 2024
- EPA: Climate Pollution Reduction Grants (\$4.6B), Phase 2 Implementation - due April 1, 2024
- IRS: Consumer clean energy tax credits live!

Input

- CalMTA Advisory Board Meeting discuss market transformation concepts - October 13 (9a-4p)
- CARB: Senate Bill 1206 Assessment Report RFI - due October 30
- State & Local Energy and Climate Coordination - next meeting: December 14
- Pending possible input opportunities - CEC's \$18M formula allocation for DOE Assistance for Latest and Zero Building Energy Code Adoption and CEC application for DOE Renewable Energy Siting through Technical Engagement and Planning



Opportunity Spotlight



*Director, Regional Asthma Management
& Prevention (RAMP)*

Public Health Institute

Anne Kelsey Lamb

Opportunities to connect Asthma Home Visiting and Energy Efficiency Services in California

October 10, 2023

RAMP's mission is to reduce the burden of asthma with a focus on health equity. Emphasizing both prevention and management, we build capacity, create linkages, and mobilize networks to advocate for policy and systems changes targeting the root causes of asthma disparities.





Asthma home visiting services

- Asthma self-management education
- Environmental asthma trigger assessment
- Environmental asthma trigger remediation



Energy Efficiency and Health

A Guide for Public Health and Health Care Professionals
on Connecting Medically Vulnerable Residents with Energy
Efficiency Services



Asthma Home Visiting Services in California

Last updated 4/21/2023

County	Organization / Program Name	Geographic Focus	Home-Based Asthma Services Provided	Eligibility Criteria	Contact Information
Alameda	Alameda County Public Health Department Asthma Start	County-wide	Asthma self-management education Asthma trigger assessment Asthma trigger remediation supplies and/or services	Anyone with an asthma diagnosis is eligible. Only children up to age 18 are eligible. We serve Medi-Cal beneficiaries and uninsured populations, including undocumented individuals.	Adriana Alvarado Adriana.Alvarado@acphd.org (510) 208-5926 www.acphd.org/asthma/
	Breathe California of the Bay Area, Golden Gate, and Central Coast	County-wide	Asthma self-management education Asthma trigger assessment Asthma trigger remediation supplies and/or services	People with poorly controlled asthma are eligible. We serve Medi-Cal beneficiaries and uninsured populations, including undocumented individuals. We serve all ages.	Kiran Kaur kiran@lungus.org (503) 884-7869 www.lungus.org
	Roots Community Health Center Breathe Oakland	County-wide	Asthma trigger assessment Asthma trigger remediation supplies and/or services	Only people with poorly controlled asthma are eligible. We serve all ages. We serve Medi-Cal beneficiaries and uninsured populations, including undocumented individuals.	Domonique Lindsey Domonique@rootsclinic.org (510) 850-6868 www.rootsclinic.org
Amador	Nexus Youth & Family Services	County-wide	Asthma self-management education Asthma trigger assessment Asthma trigger remediation supplies and/or services	Only people with poorly controlled asthma are eligible. We serve all ages. We serve uninsured populations, including undocumented individuals.	Denisse Estrada Sanchez destradasanchez@nexusyfs.org (209) 273-9067
Calaveras	Nexus Youth & Family Services	County-wide	Asthma self-management education Asthma trigger assessment Asthma trigger remediation supplies and/or services	Only people with poorly controlled asthma are eligible. We serve all ages. We serve uninsured populations, including undocumented individuals.	Denisse Estrada Sanchez destradasanchez@nexusyfs.org (209) 273-9067
Contra Costa	Breathe California of the Bay Area, Golden Gate, and Central Coast	County-wide	Asthma self-management education Asthma trigger assessment Asthma trigger remediation supplies and/or services	People with poorly controlled asthma are eligible. We serve Medi-Cal beneficiaries and uninsured populations, including undocumented individuals. We serve all ages.	Kiran Kaur kiran@lungus.org (503) 884-7869 www.lungus.org
	Contra Costa Health Services Asthma Mitigation Program	County-wide	Asthma self-management education Asthma trigger assessment Asthma trigger remediation supplies and/or services Energy efficiency assessments and improvements	People with poorly controlled asthma are eligible. We serve all ages. We serve Medi-Cal beneficiaries.	Michael Kent mkent@cchealth.org (925) 250-3227
	LifeLong Medical Care	County-wide	Asthma self-management education Asthma trigger assessment Asthma trigger remediation supplies and/or services	Anyone with an asthma diagnosis is eligible. We serve all ages. We serve Medi-Cal beneficiaries and uninsured populations, including undocumented individuals. Medicare and others accepted.	Lucinda Bazile lbazile@lrelongmedical.org (510) 981-4153 www.lrelongmedical.org

**California Asthma Home
Visiting Program Directory**
click here



Anne Kelsey Lamb, MPH

anne@rampasthma.org

www.rampasthma.org



Featured Speaker



Project Associate
BluePoint Planning
Bianca Hutner

Home Energy Score Listening Session



Agenda

- Introductions
- Context and Overview
- Discussion
- Next Steps and Timeline

Home Energy Score Overview





What is Home Energy Score?

- Developed by U.S. Department of Energy and its national laboratories
- Provides homeowners, buyers, and renters comparable and credible information about a home's energy use

1

Home Energy Score

HES is a standardized rating of a home's energy efficiency designed by the US Department of Energy, completed by a certified assessor.

2

Assessor Training

Home Energy Score California will train energy assessors that will serve your community and will ensure there is strong quality control.

3

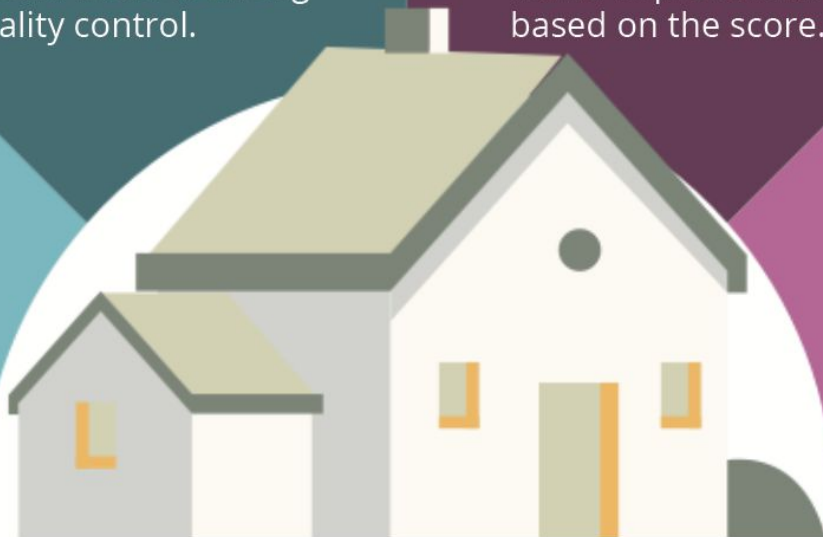
Customized Recommendations

Home Energy Score California delivers the program and customizes recommendations for home improvements based on the score.

4

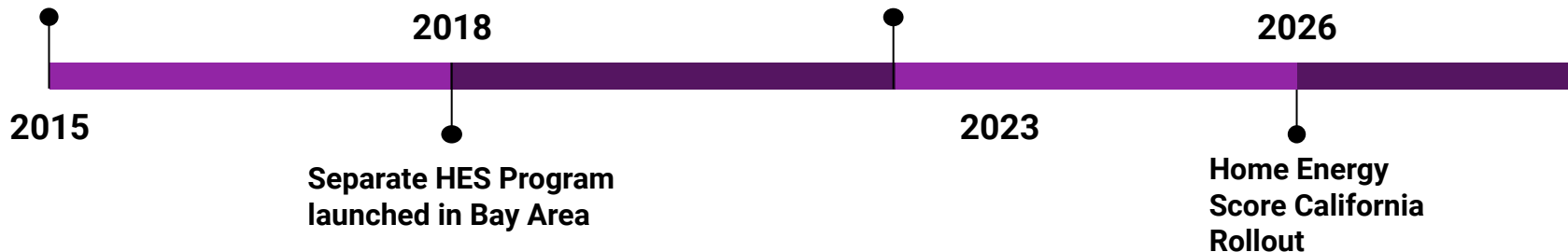
Rebates & Resources

Home Energy Score California will provide a rebate for residents to receive a HES and connect them to resources to make energy efficiency upgrades.



Program Background

Building Emissions Saving Ordinance (BESO) launched in Berkeley



Home Energy Score
California





Key Program Elements

- Program is for single-family homes
- Program is run through Home Energy Score California partners
- HES California trains assessors
- Residents who complete a HES receive a rebate
- HES California connects residents to resources for energy efficiency upgrades



Why Statewide?

- Create standardized scores
- Designates funds for rebates
- Single administrator
- Consistent training

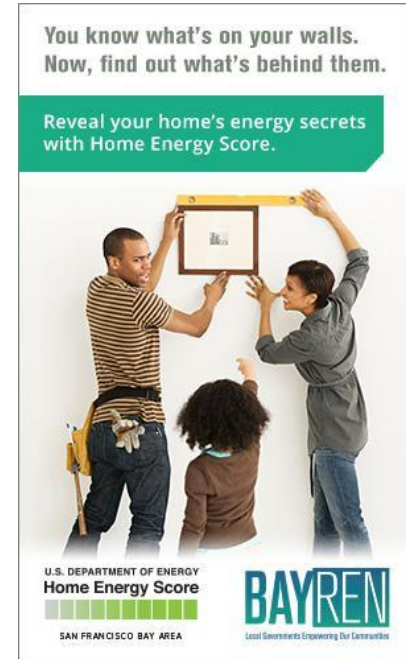


Benefits for Local Governments

- Help community members save money
- Align with and help meet Climate Action Plan goals
- Turnkey program
- Can help pave way for mandatory rating policy

When does a Customer Get a Home Energy Score?

- Before renovating
- When you want to make home more comfortable
- When you want to save money & reduce energy bills
- When you're ready to sell home
- After recently buying a home



Home Energy Score
California



Who does the Work?

- Local workforce
- Leverages existing experts
 - Assessors can add on HES to existing work (energy audits, home inspections, Title 24 testing, and more)
- Increases training in local community

Custom Report & Recommendations

U.S. DEPARTMENT OF ENERGY
Home Energy Score
Know your home. Know your Score.

HOME PROFILE

LOCATION:
30 El Camino Real
Berkeley, CA, 94705

YEAR BUILT:
1914

HEATED FLOOR AREA:
3030 sq. ft.

NUMBER OF BEDROOMS:
5

ASSESSMENT

ASSESSMENT DATE:
4/1/2020

ASSESSOR:
Lee Parsons
JMC Building Inspections

PHONE:
510-701-6153

EMAIL:
lee@jmcinspections.com

THIS HOME'S
HOME ENERGY SCORE

1
out of 10

THIS HOME'S ESTIMATED
ENERGY COSTS

\$3305 per year

Home Energy Score details



Official Assessment | ID#311465

Home Energy Score is an easy way to see how energy efficient this home is compared to other homes. A higher score is better. This report also contains ways you can make your home more efficient and more comfortable.

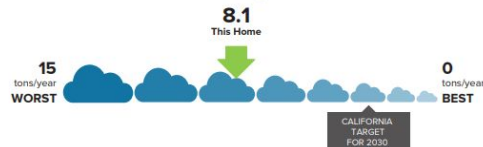
How much energy is this home likely to use?

Electric	9590 kWh/year	\$1976
Natural Gas	946 therms/year	\$1329

TOTAL ESTIMATED ENERGY COSTS PER YEAR **\$3305**

Energy and GHG estimates

This home's carbon footprint



Enjoy the rewards of a comfortable, energy efficient home that saves you money.

- ☒ Get your home energy assessment. Done!
- ☐ Choose energy improvements from the list of recommendations below.
Need help deciding what to do first? The BayREN Home Upgrade Advisors offer free phone consults with independent expert home advisors. Call **866-878-6008**.
- ☐ Check out www.bayrenresidential.org for information on BayREN energy efficiency programs and financing opportunities.
- ☐ Select a contractor (or two, for comparison) and obtain bids.
- ☐ Perform upgrades and enjoy a more comfortable and energy efficient home.

SCORE TODAY

1
out of 10

Referral to Energy Advisor

Energy Improvements, customized for your home.

FEATURE	TODAY'S CONDITION	RECOMMENDED IMPROVEMENTS
Attic Insulation	Insulated to R 06	Insulate ≥ R-44 and air seal
Floor Insulation	Insulated to R 00 Insulated to R 00	Insulate ≥ R 19
Heating Equipment	Central gas furnace 82% AFUE	Central gas furnace ≥ 95% AFUE**
Duct Repair	Ducts not sealed or insulated	Seal and insulate ducts ≥ R 8
Water Heater	Gas storage 55% EF	Heat pump water heater ≥3.24 EF***

ADDITIONAL COMMENTS AND RECOMMENDATIONS:

Increase attic insulation and fill in uninsulated areas, and install an insulated attic hatch in the uncovered access in the bedroom closet to prevent heat loss into the attic.

Install rigid foam insulation on the rear roof deck when the roofing is replaced.

Install subfloor insulation in the crawlspaces and basement.

Insulate and seal heating system ducting. However, this work will likely require the additional services of an asbestos abatement contractor because the ducting is covered with a material that likely contains asbestos.

Replace, when necessary, the mid-efficiency furnace with a high-efficiency condensing furnace, or consider installing an electric heat pump heating system for greater efficiency and to move away from reliance on fossil fuel burning equipment.

Replace the old water heater with an electric heat pump water heater for greatly improved efficiency and to move away from reliance on fossil fuel burning equipment.

*recommend having contractor do load calculations as you may be eligible for an additional \$100 rebate.

**Only recommended if an emergency changeout due to equipment failure. We recommend replacing a gas furnace with a heat pump or a gas water heater with a heat pump water heater.

***Electrical panel upgrade may be required for gas to electric change-outs.

Custom recommendations align with local rebates

Policies Nationwide

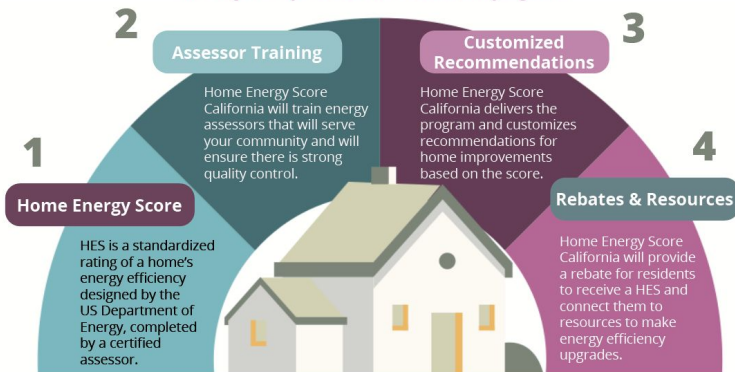


Home Energy Score
California

U.S. DEPARTMENT OF ENERGY
Home Energy Score

Bring Home Energy Scores to your Jurisdiction

The Bay Area pilot is now a statewide program!



A HES rates a home's energy efficiency on a 1-10 scale, in comparison to other homes

The HES report estimates:

- Energy consumption
- Greenhouse gas emissions
- Utility bills

Homeowners receive custom recommendations for energy improvements

Benefits to Local Governments



Aligns with your Climate Action Plan goals



Helps community members save money on their energy bills



Provides consumers with transparent, comparable energy efficiency information



Choose how much you want to customize and promote the HES program in your jurisdiction- Home Energy Score California will provide marketing materials and do the rest!

Home Energy Score
California



Help shape the Home Energy Score
California Program in your region!

HomeScoreCA.org



Opportunities to Get Involved

- Choose level of involvement in program customization and promotion
- Home Energy Score California
 - Provides marketing materials
 - Promotes program
 - Works with jurisdictions to tailor program
- Exploring other Ideas

Home Energy Score
California



Discussion

Next Steps and Timeline

Next Steps



- Finding and recommendations developed for program in Fall 2023

Contact Information

Emily Alvarez, Program Lead EAlvarez@stopwaste.org

Heather Larson, Senior Program Manager HLarson@stopwaste.org

Bianca Hutner bianca@bluepointplanning.com



Audience Q&A

Please add your questions in the chat or raise your hand

BPC Workshop

Topic: Discussion

- ***New & Updated CCEC Resources!***
 - Updated Resources & Funding Library
 - Resources for CCEC State & Local Engagement
 - Previous Comment Letters, Input Opportunities, and information on our newly launched State/ Local Energy & Climate Coordination (SLECC) Meetings

Local Energy Resources Network



What's Next?

- Bonus Breakouts up next!
- Next meeting **November 14, 2023**
- December meeting will be our annual policy wrap up!
- Share [invitation](#) with others



Optional: Bonus Breakouts

Thanks for joining us!

This is a space for informal discussion among the LERN network. Feel free to:

- Offer an announcement, success story, or opportunity
- Share a need for information, collaborators, or advice
- Raise a suggested topic or speaker for future LERNS

If you need an in-depth discussion, you can pitch a specific bonus breakout topic and invite others to join you (today or we can plan ahead for next month)



CCEC Serves Local Needs



wEEkly Update



CURRENTS Quarterly



Webinars



Annual Forum



Active Funding Opportunities



Funding Program Database



Technical Assistance



Technical Assistance Directory



Local Government Roundtables



Best Practice Database



Interviews and Case Studies