



Local Governments Empowering Our Communities

Home Energy Score

Albany Sustainability Committee

March 21, 2018



<https://www.youtube.com/watch?v=iQ8yw1Tpyjg&action=share>
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The Residential Sector

- 9 million single-family homes in California
- 2/3 of California's residential buildings built before 1982



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Residential Energy Assessment Disclosure

Why READ?

- Improves energy literacy
- Empowers consumers
- Drives investment in energy upgrades
- Increases market transparency by creating a clear rating system

Rating Types: Operational vs Asset

Type of Rating	BENEFIT	ISSUE
OPERATIONAL	<ul style="list-style-type: none">Measures occupant behaviorEasy access to data	<ul style="list-style-type: none">Does not reflect building features
ASSET	<ul style="list-style-type: none">Describes building attributesImproves asset value	<ul style="list-style-type: none">Not calibrated to actual use

Ratings and Labels

- Likes miles per gallon ratings on automobiles or nutritional labels on food, an Asset Rating gives consumers the tools to make informed choices

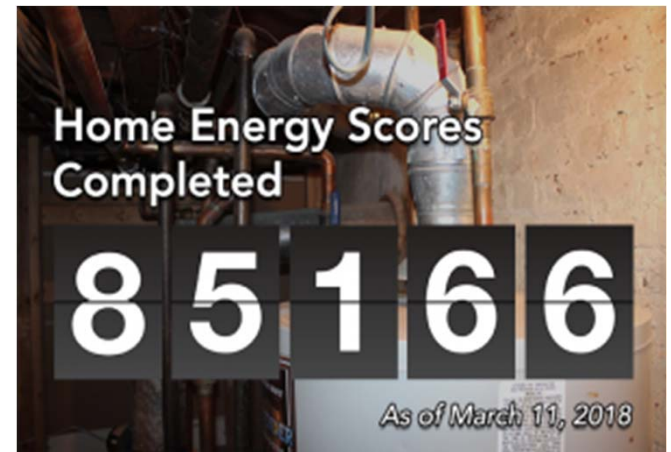


Nutrition Facts	
Serving Size 172 g	
Amount Per Serving	
Calories 200	Calories from Fat 8
% Daily Value*	
Total Fat 1g	1%
Saturated Fat 0g	1%
Trans Fat	
Cholesterol 0mg	0%
Sodium 7mg	0%
Total Carbohydrate 36g	12%
Dietary Fiber 11g	45%
Sugars 6g	
Protein 13g	
Vitamin A 1%	Vitamin C 1%
Calcium 4%	Iron 24%

*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

Home Energy Score: A “Miles Per Gallon” Rating for Homes

- Developed by Department of Energy and its national laboratories.
- Like a miles-per-gallon rating for a car.
- Provides home owners, buyers, and renters comparable and credible information about a home's energy use.



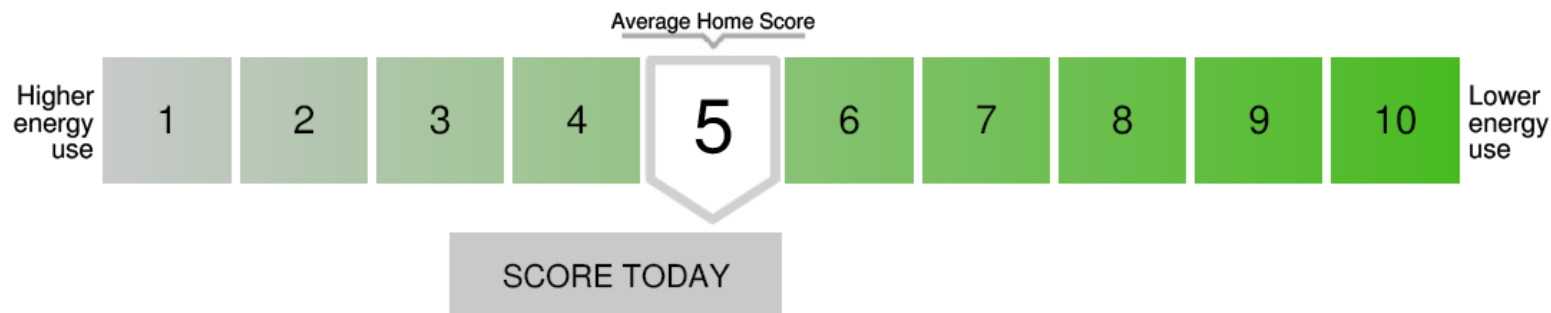
Home Energy Score Enables Comparison

- Need for a standardized label to understand a home's efficiency and compare it to similar homes

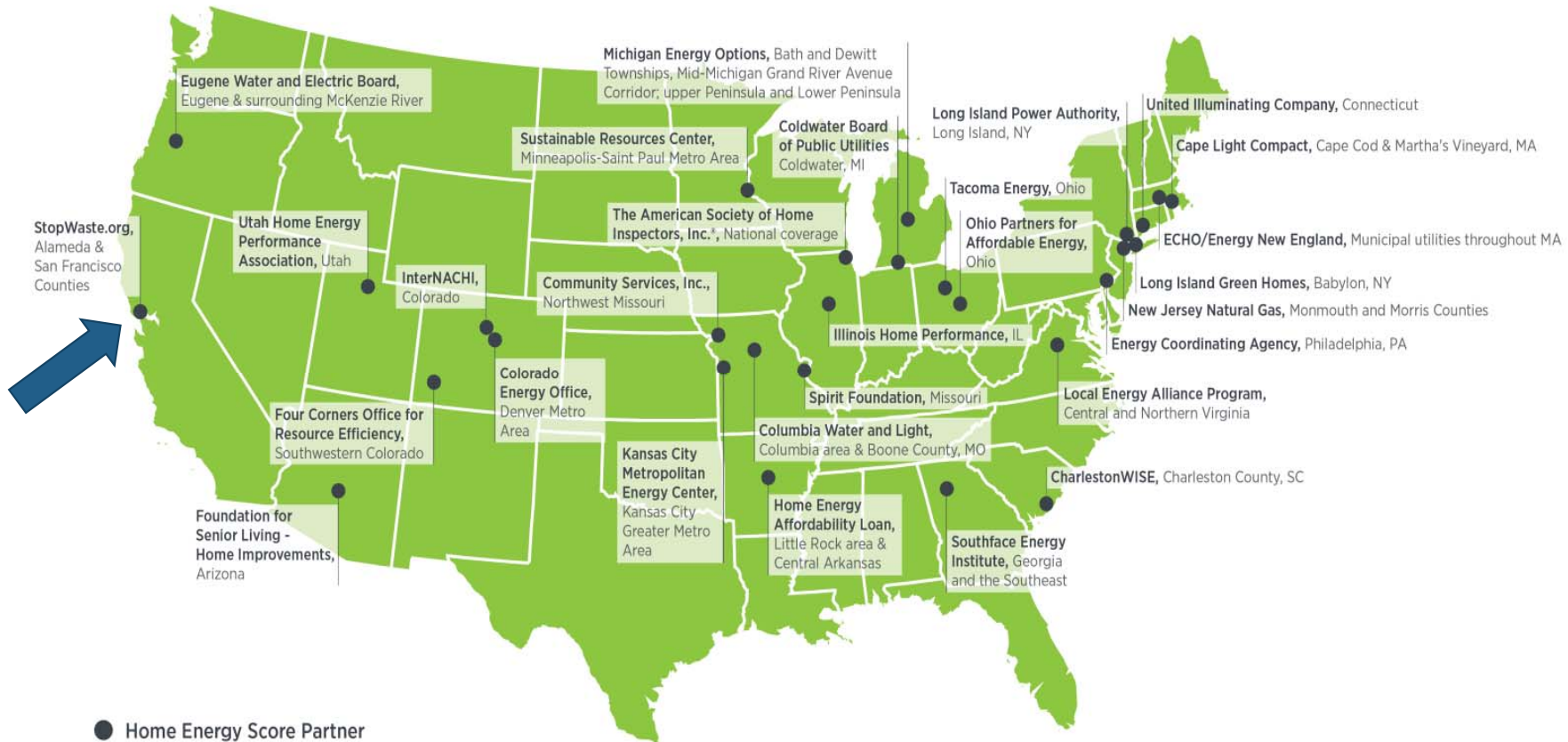


Home Energy Score Overview

- Home Energy Score Report estimates home energy use, associated costs, and provides solutions to improve the home's efficiency.
- Each Home Energy Score is shown on a simple one-to-ten scale, where a ten represents the most efficient homes.



Home Energy Score Partners



DOE, StopWaste & Frontier Energy Roles

U.S. DEPARTMENT OF ENERGY
Home Energy Score



Know your home. Know your Score.

STOPWASTE
at home • at work • at school

FRONTIER
energy

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Home Energy Score Label

Score report includes:

- Score of 1 to 10
- Home Facts
- Total energy use estimate
- Customized Recommendations

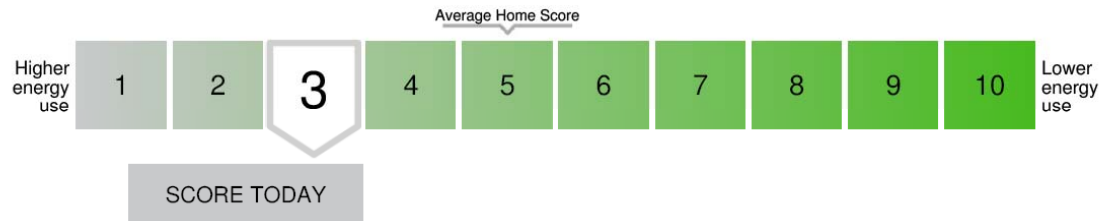


YEAR BUILT: 1923
CONDITIONED FLOOR AREA: 1,423 FT²

Home Energy Score

123 Main Street
Berkeley CA 94705

SCORE TODAY **3**



The U.S. Department of Energy's Home Energy Score assesses the energy efficiency of a home based on its structure and heating, cooling, and hot water systems. For more information visit HomeEnergyScore.gov.

Custom Recommendations

THIS HOME'S
HOME ENERGY SCORE

5 out of 10

THIS HOME'S ESTIMATED
ENERGY COSTS

\$1817 per year

Home Energy Score details



Official Assessment | ID#1

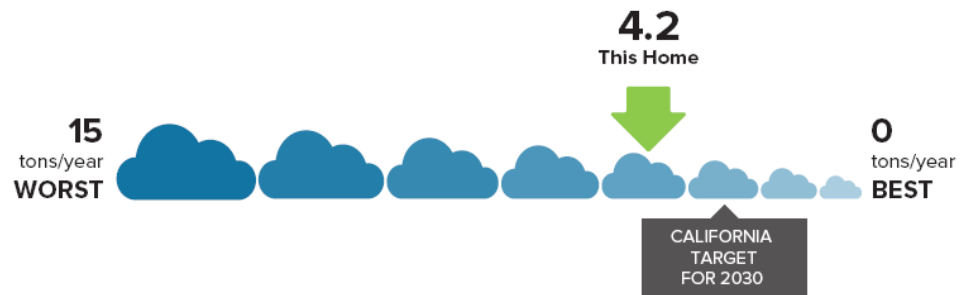
Home Energy Score is an easy way to see how energy efficient this home is compared to other homes. A higher score is better. This report also contains ways you can make your home more efficient and more comfortable.

How much energy is this home likely to use?

Electric	5555 kWh/year	\$1135
Natural Gas	451 therms/year	\$682

TOTAL ESTIMATED ENERGY COSTS PER YEAR **\$1817**

This home's carbon footprint



Energy Improvements, customized for your home.

FEATURE	TODAY'S CONDITION	RECOMMENDED IMPROVEMENTS
Attic Insulation	Insulated to R 11	Insulate \geq R 38 and air seal
Floor Insulation	Insulated to R 00	Insulate \geq R 19
Wall Insulation	Insulated to R 00	Insulate \geq R 13
Water Heater	Gas storage 58% EF	Gas on demand (tankless) \geq 0.82 EF

ADDITIONAL COMMENTS AND RECOMMENDATIONS:

Your natural draft water heater has questionable venting. We suggest upgrading to a high efficient tankless model.



The Home Upgrade Advisor Service

- Help prioritize custom recommendations
- Support the process step by step
- Refer clients to rebates
- Go over financing options
- Help find a contractor
- Provide free, neutral advice



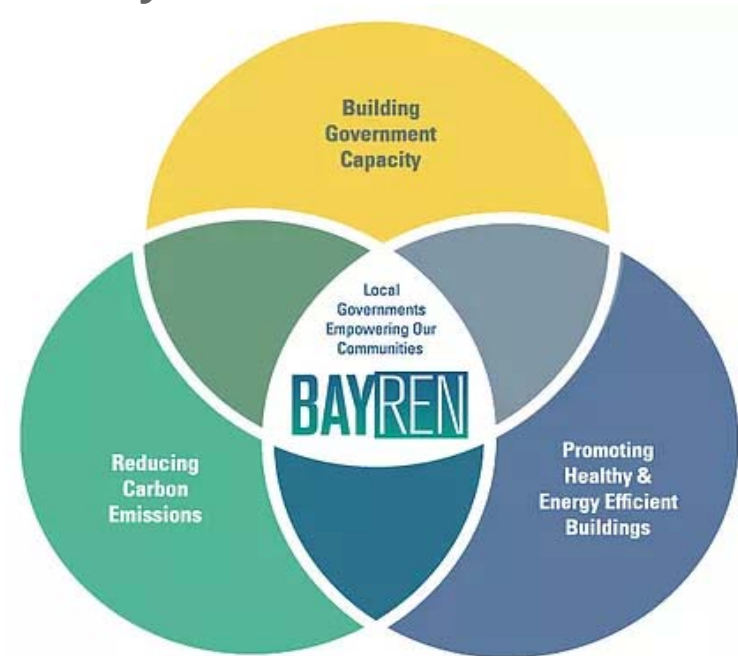
(866) 878-6008

www.BayAreaEnergyUpgrade.org

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Bay Area Regional Energy Network (BayREN)

- Bay Area Regional Energy Network (BayREN) implements energy savings programs on a regional level in collaboration with the 9 Bay Area counties.
- Funding supports:
 - Home Upgrade Advisor service
 - HES Program implementation
 - Outreach and marketing
 - Assessor support
 - Local jurisdiction support
 - \$250 rebate per home scored



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Why Choose Home Energy Score?

- Simple
- Fast
- Affordable
- Credible
- Flexible



U.S. DEPARTMENT OF ENERGY
Home Energy Score

MPG
FOR
YOUR
HOME

Get a Home Energy Score
to learn how efficient
your home is and how
you can make
improvements

Rebates are available!

HOMESCORECA.ORG

(866) 878-6008

Better Buildings
Home Energy Score

YEAR BUILT: 2006
CONDITIONED FLOOR AREA: 2450 SF

Average Home Score

Score Today

ENERGY

City of Portland Ordinance



WHAT'S THE SCORE?

BEGINNING ON JANUARY 1, 2018, sellers of single-family homes in Portland, Oregon are required to obtain and disclose a Home Energy Report estimating the energy-related use, associated costs, and cost-effective solutions to improve the home's efficiency.

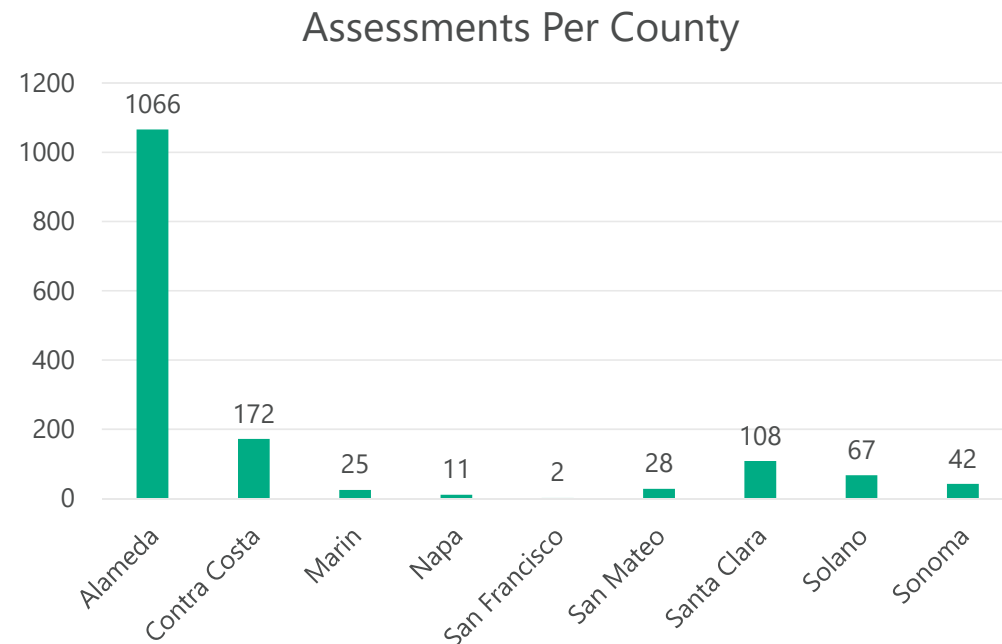
Berkeley BESO

- 2015 Building Energy Savings Ordinance (BESO) requires Home Energy Score for single-family homes.



Home Energy Score in the Bay Area

- Total Scores Issued: 1512
- Total Scores in Berkeley: 901
- Average Score: 4
- Number of Assessors: 57
- Average Cost: \$265
- Total Rebates Paid: \$129,400



www.homescoreca.org

**Make your home as comfy
as your favorite chair.**

See how much you can save
before starting home upgrades.

NOW AVAILABLE!

\$250 REBATE toward
a Home Energy Score.



Home Energy Score. Cozier home. Lower utility bills.

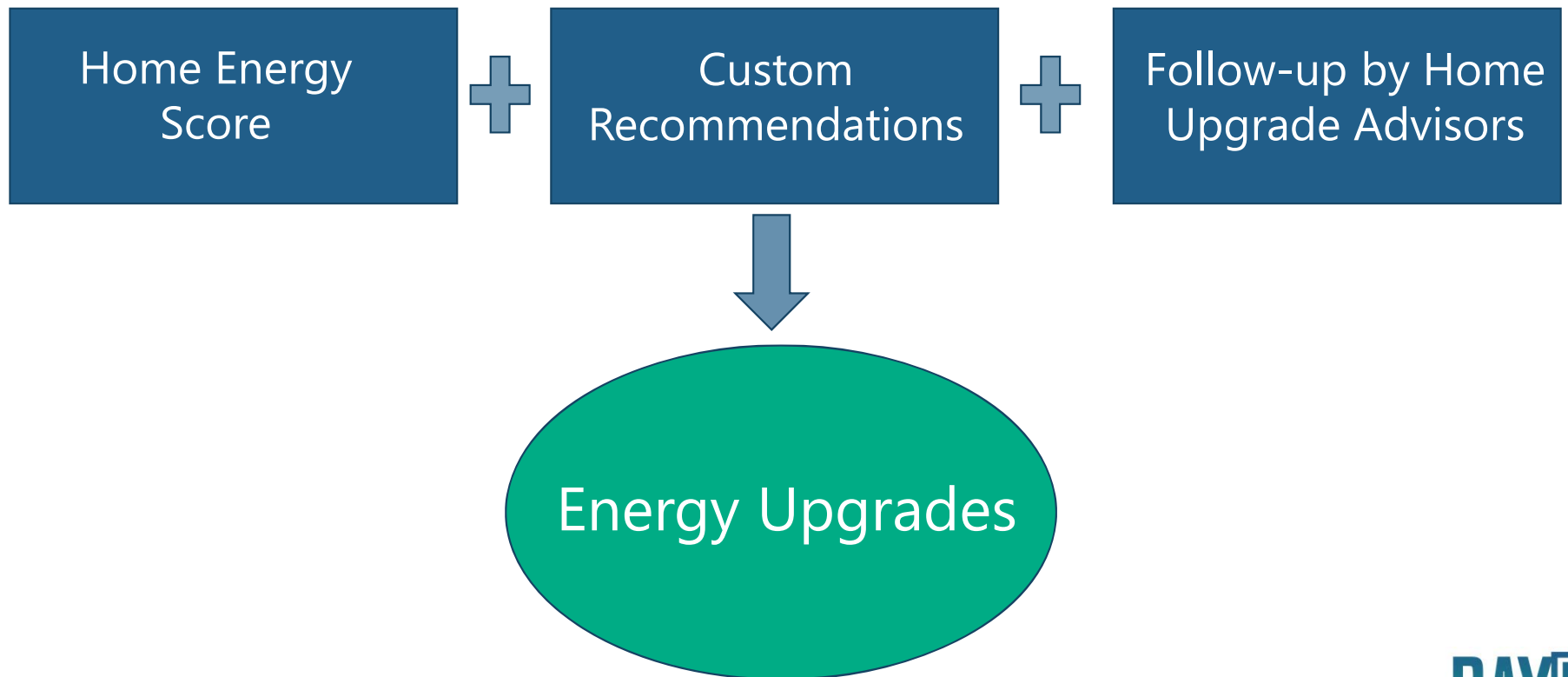
Get Started:

Find your Home Energy Score Assessor

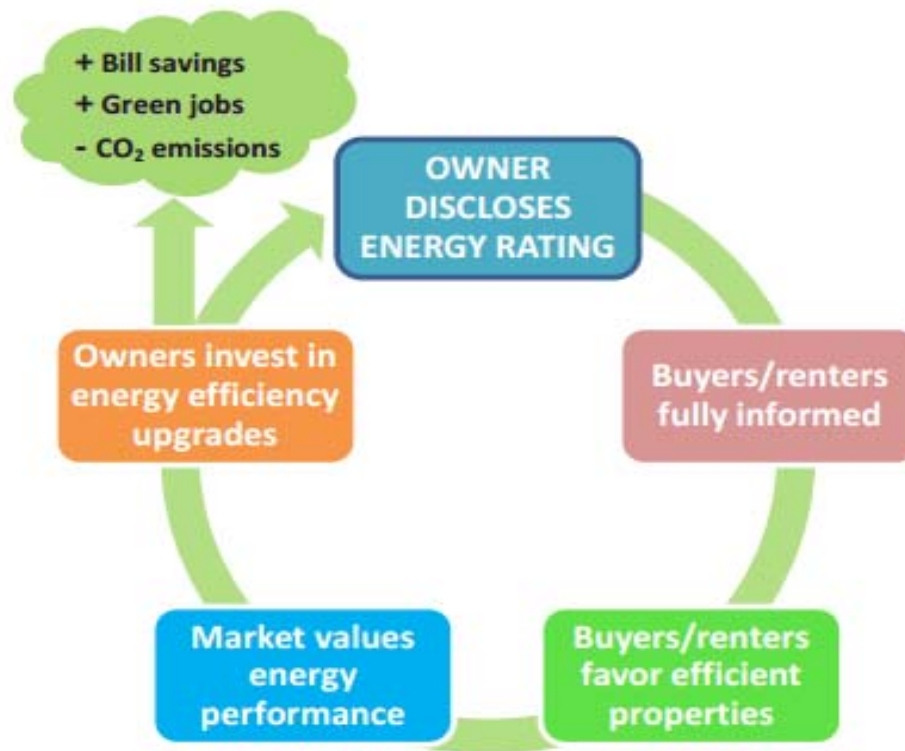
Get customized energy-saving recommendations for your home.

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Path to Upgrades



From READ to Retrofit



How "triggered" disclosure leads to energy savings

Questions?



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