

***Building Energy Saving Ordinance
(BESO):
Assessing Energy Use at Time of Sale***

SEEC Forum
June 16, 2016

New Approach: Prescriptive to Performance

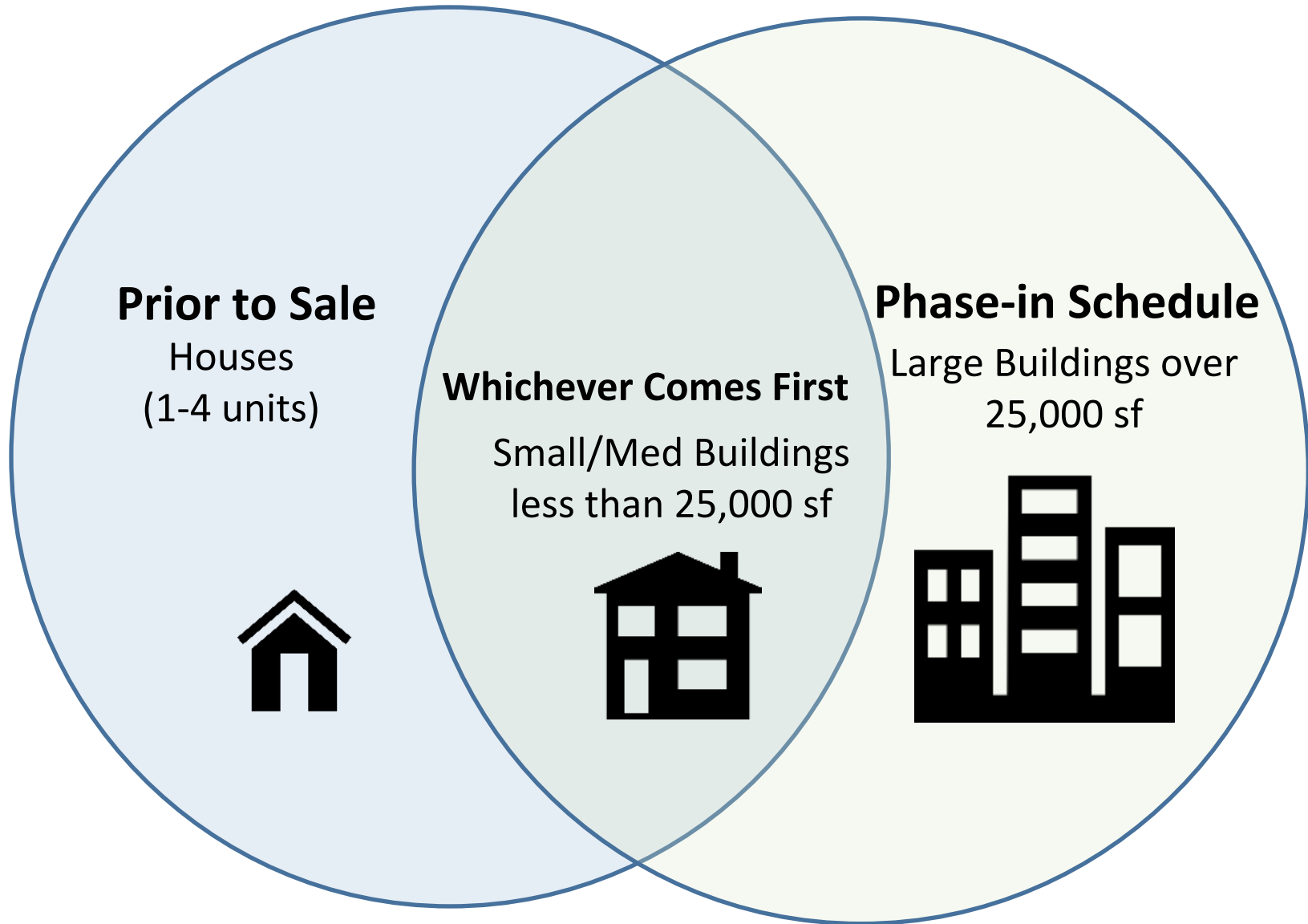
RECO CECO

- Must install minimum mandatory measures
- Required only when property sold or remodeled

Building Energy Saving Ordinance

- No minimum measures
- Energy audits required
- Energy information reported publicly
- Efficient buildings are exempt from audit provision
- On-ramp to rebates & incentives

BESO Compliance Triggers

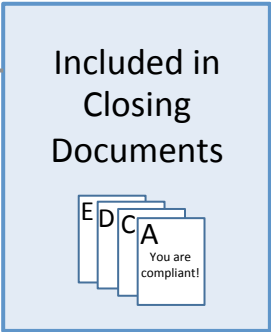
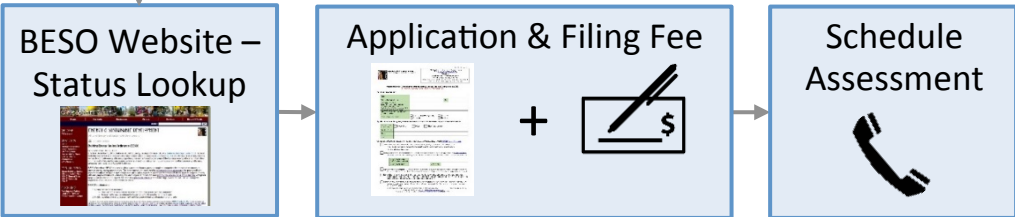


BESO Phase-In

Building Size (sq ft)	Due Date	Approximate # of Buildings	Reporting Cycle
Large buildings: 50,000 or more	10/1/2016 7/1/2018	108	Energy Assessment every 5 years AND ENERGY STAR Performance Report annually
Large buildings: 25,000- 49,999	10/1/2017 7/1/2019	206	
Medium buildings: 15,000-24,999	10/1/2018 7/1/2020	363	Energy Assessment every 8-10 years
Medium buildings: 5,000-14,999	10/1/2019 7/1/2021	1600	
Small buildings: Less than 5,000 (excluding 1-4 unit homes)	10/1/2020 7/1/2022	3344	Energy Assessment every 10 years

Time of Sale Compliance Process

Building Owner



Registered Assessors



BESO Team



Types of Assessments

Home Energy Score

Better Buildings
U.S. DEPARTMENT OF ENERGY

Home Energy Score

Score: 4

Home Facts

ADDRESS: 1617 Lincoln Street, Berkeley, CA 94703

SQUARE FEET: 1,392 square feet

YEAR BUILT: 1921

APPROXIMATE: No

Your home's current score: 4

Uses more energy: 1 2 3 4 5 6 7 8 9 10: Uses less energy

Learn more at homeenergyscore.gov

U.S. DEPARTMENT OF ENERGY

The Home Energy Score is a national rating system developed by the U.S. Department of Energy. The Score reflects the energy efficiency of a home based on a home energy audit. Home energy audits are performed by trained professionals. The Home Facts provide details about the current energy audit system. Recommendations show how to improve the energy efficiency of the home to achieve a higher score and save money.

OFFICIAL ASSESSMENT | Assessor ID: CA-BWST-4001 | Assessed on May 19, 2015 | Label ID# 113263 | 2015

SnuggPro

Your Energy Audit

Home: 2514 0th Street, Berkeley, CA 94701, Fr.doretd@ke@gmail.com

Date of Assessment: Mar 28, 2015, 11:22 AM

Energy Consultant: Andrew O'Neil, Environmental Associates, Energy Consultant/Home Performance Contractor, HERS Rater, Multi-family, HERS Consultant, 25621 Sycamore Pl, Pittsburg, CA 95363, 925.422.6595, coveenergy@aah.com, Monday - Friday 9:00am - 5:00pm, Sat. by appointment only.

This is a Single Family Attached Home - Triplex. This report includes 2 units with 1 1/2, 3br, 1 upper unit and 1 bottom unit.

Inside Your Report: Your energy A-E, Type of Energy Report, Solutions for how to save, High efficiency, Energy audits, Address issues, Related resources, How to, Test, Open, Close.

Prepared by: J. SnuggPro

Optimiser

HOME ENERGY ASSESSMENT

11/16/2015

PREPARED FOR: James Farber, 560 San Lorenzo Avenue, Berkeley, CA 94707, 714.641.7626, jfarber@housethatsting.com

PREPARED BY: Tansel Bazz on behalf of Housler Heating and Air Conditioning

(510) 564-4572, tanzel@housethatsting.com



Systems

HVAC System 1

Percent of conditioned floor area served by system 100

Heating

Type Central gas furnace

Efficiency value 79% AFUE

Duct location

Vented crawlspace

Are the ducts insulated?

Yes

Cooling

Type None

Are the ducts sealed?

No

Percent in this location

100%

Hot water

Type Natural gas storage

Efficiency value 0.55 EF

Assessment includes referrals to Efficiency Resources

Energy Upgrade California®
Home Upgrade



Home Upgrade Advisor



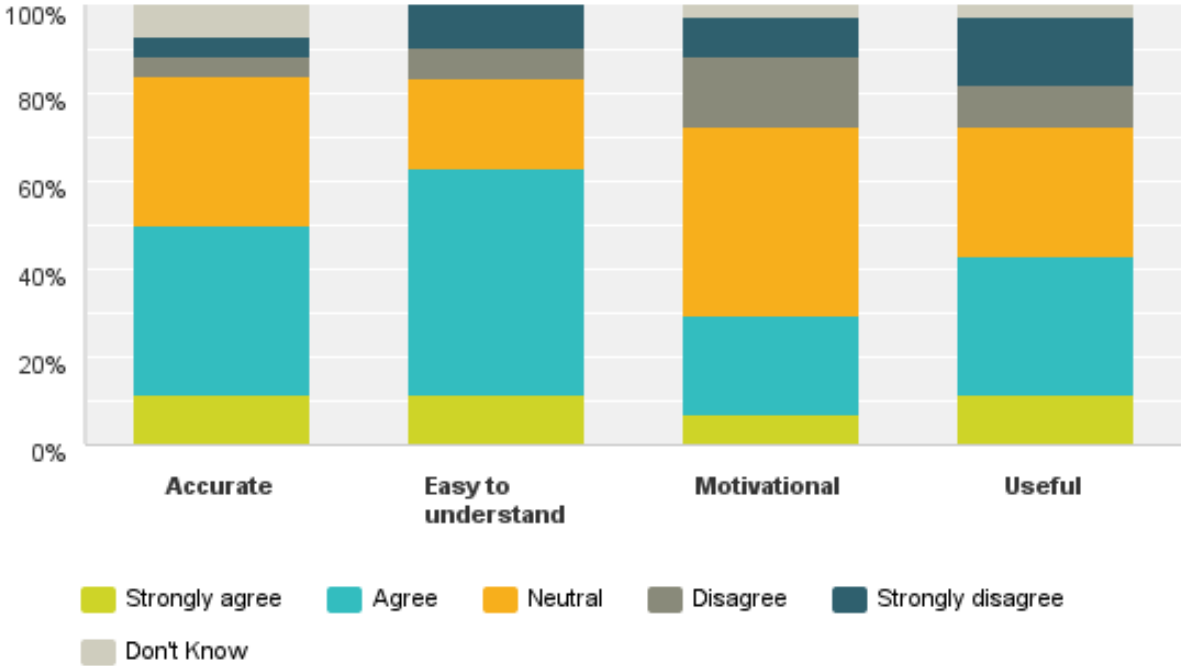
Call: 866-878-6008

BayAreaEnergyUpgrade.org

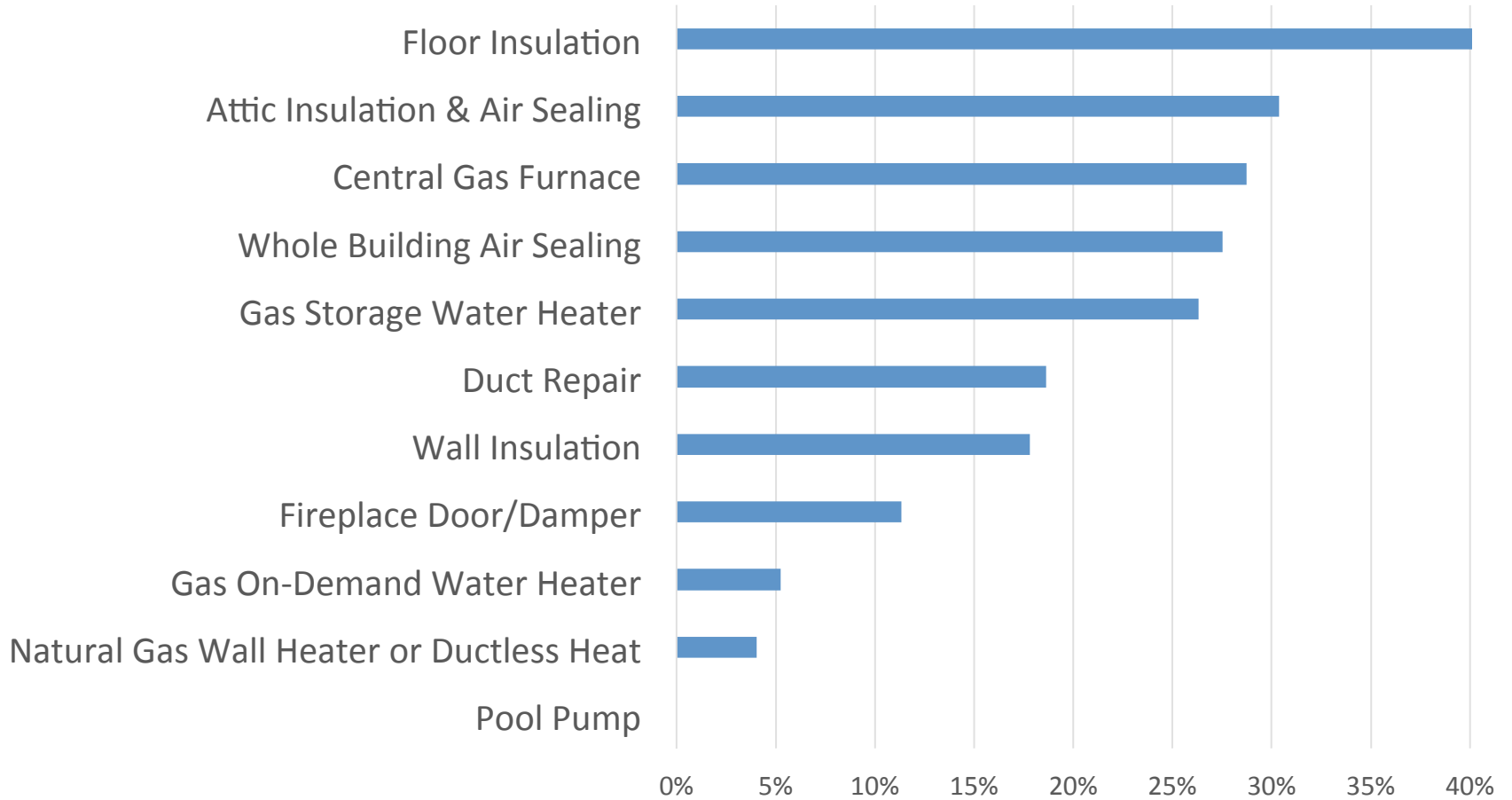
Customer Feedback

Q13 The Home Energy Score is:

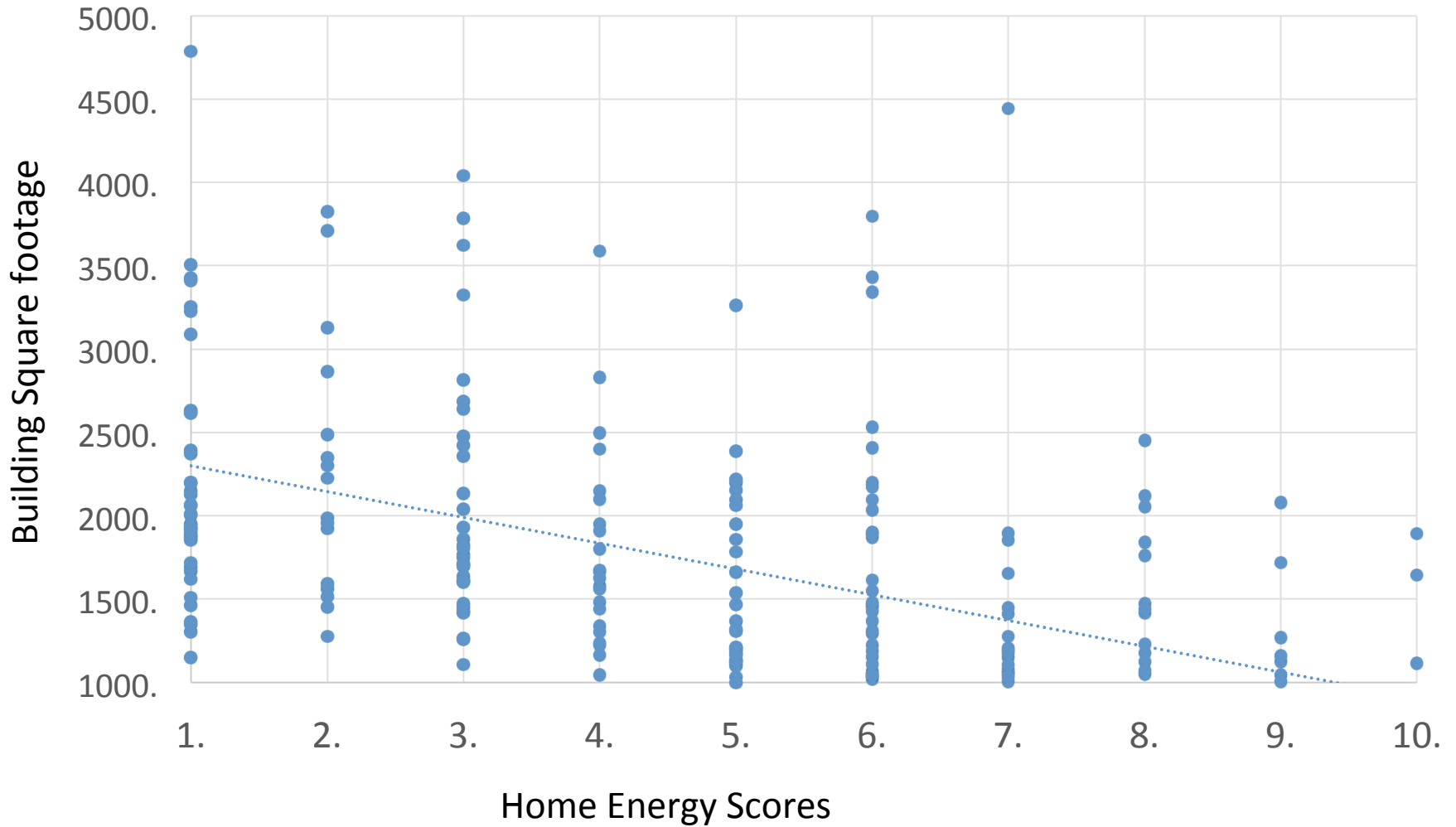
Answered: 44 Skipped: 4



Home Energy Recommendations Frequency



Home Energy Score Distribution by Size



Spatial Distribution of HES Scores



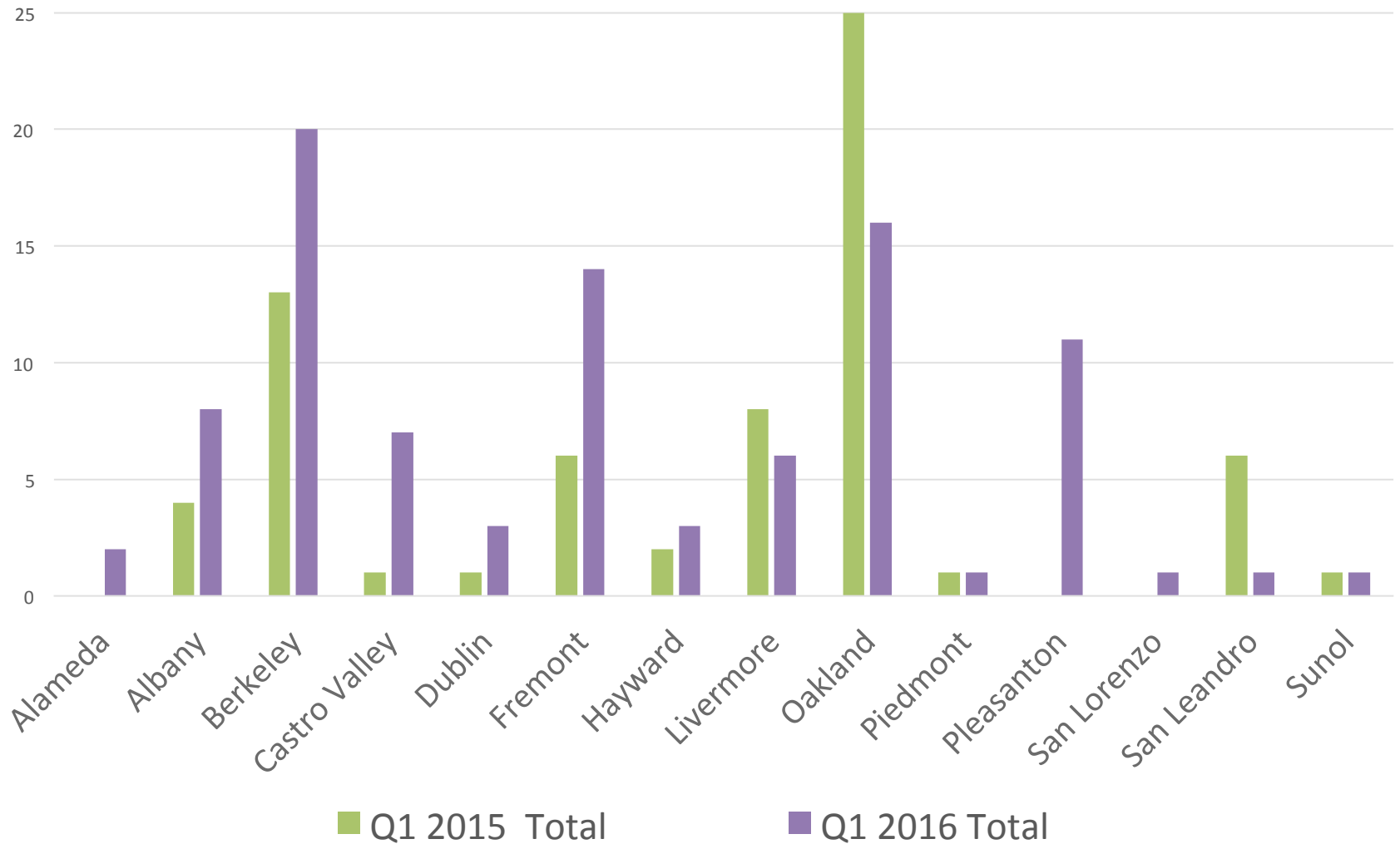
Why Home Energy Score

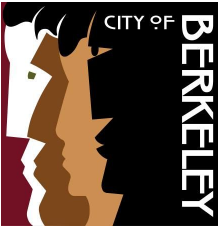
- StopWaste as program administrator
 - Training and QA/QC
- Integration with Energy Upgrade CA
- Score included in growing number of MLSs
 - Denver, Aspen Glenwood, Cincinnati, DC, MD
- Fannie Mae HomeStyle[®] Energy Mortgage loan
 - Finance up to 15% post improvement property value for energy upgrades at 30 year low rate
 - Pay off PACE loans

Measuring Our Success

- Current Successes
 - Increase in EUC participation rates
 - Direct link to Home Upgrade Advisor Program
- Wish list
 - Tracking of conversion rates

Increase Energy Upgrade CA Projects





For More information

Contact

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City of Berkeley

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BRomain@CityofBerkeley.info

www.cityofberkeley.info/BESO