

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

SEEC Forum
June 16, 2016

New Approach: Prescriptive to Performance

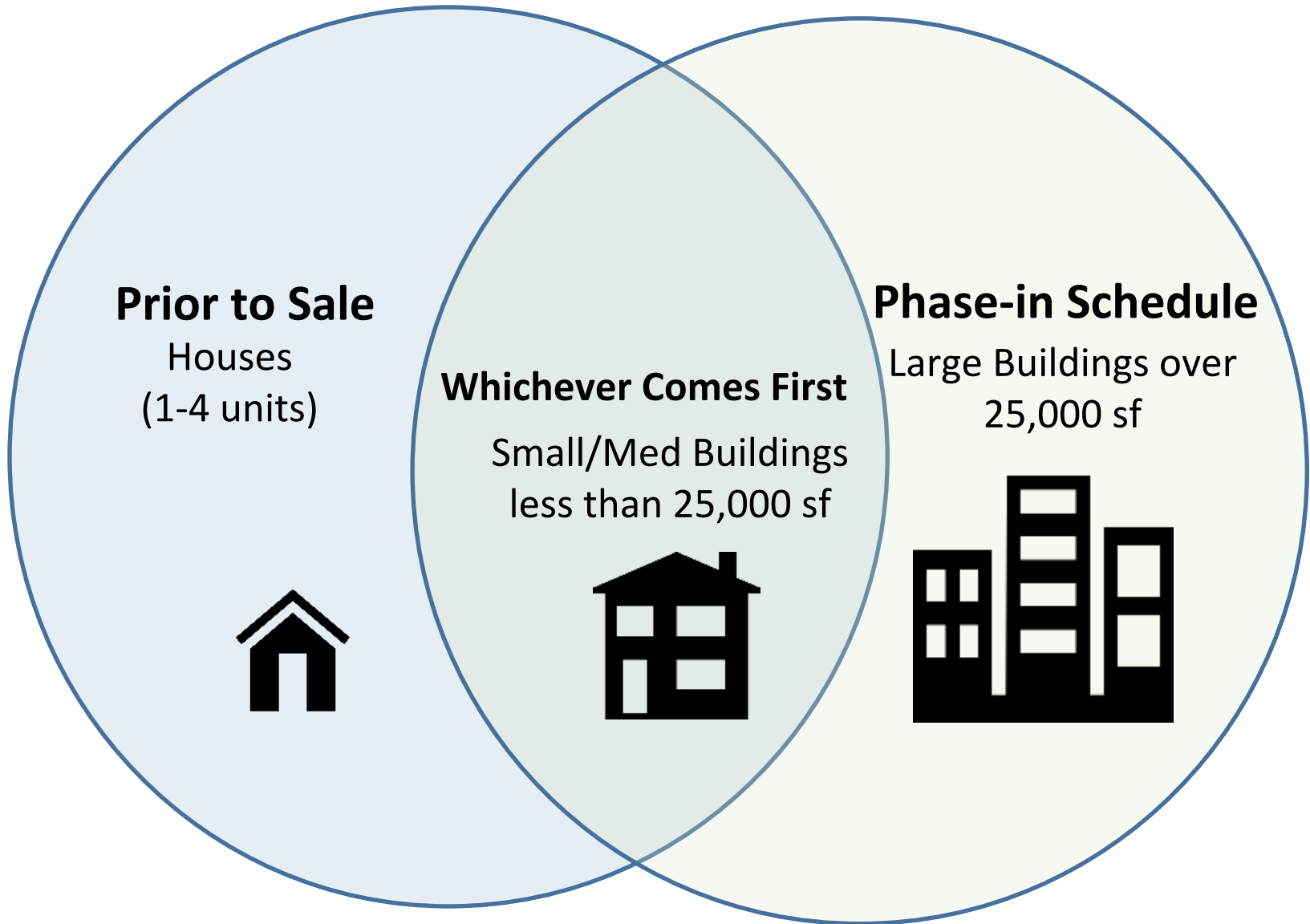
RECO CECO

- 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

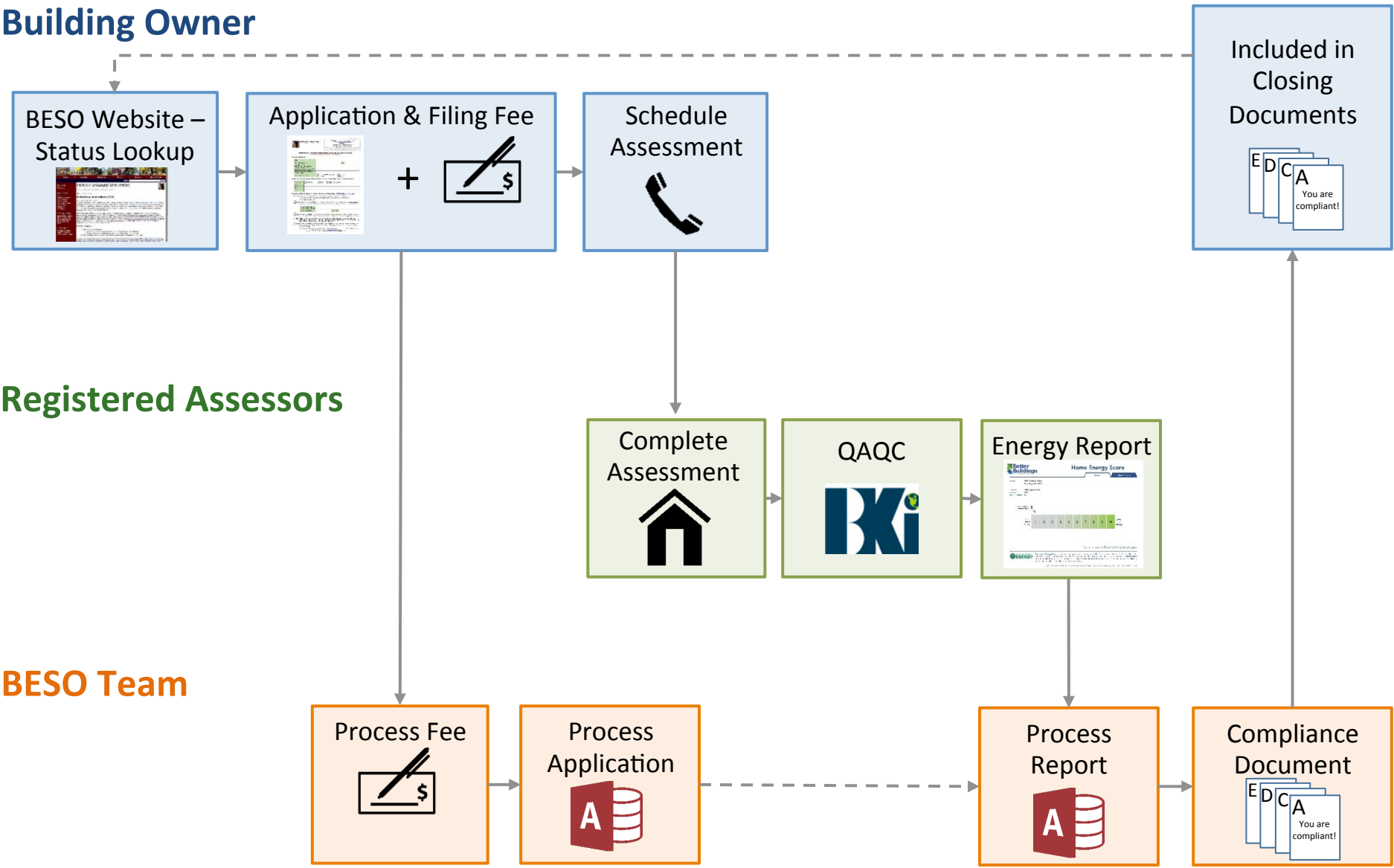


BESO Phase-In

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

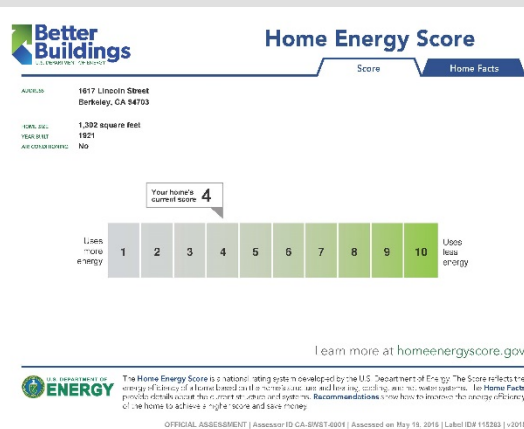
Time of Sale Compliance Process

Building Owner



Types of Assessments

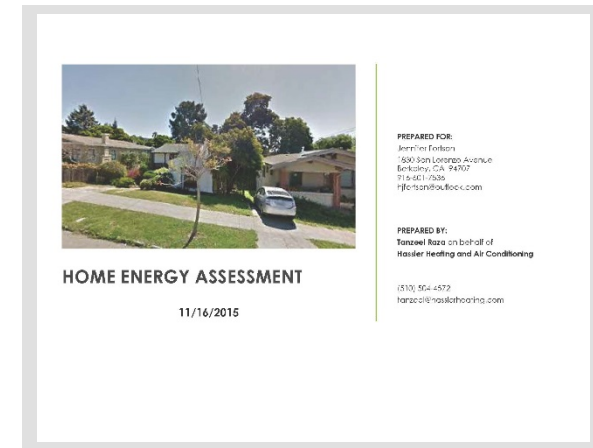
Home Energy Score



SnuggPro



Optimiser





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



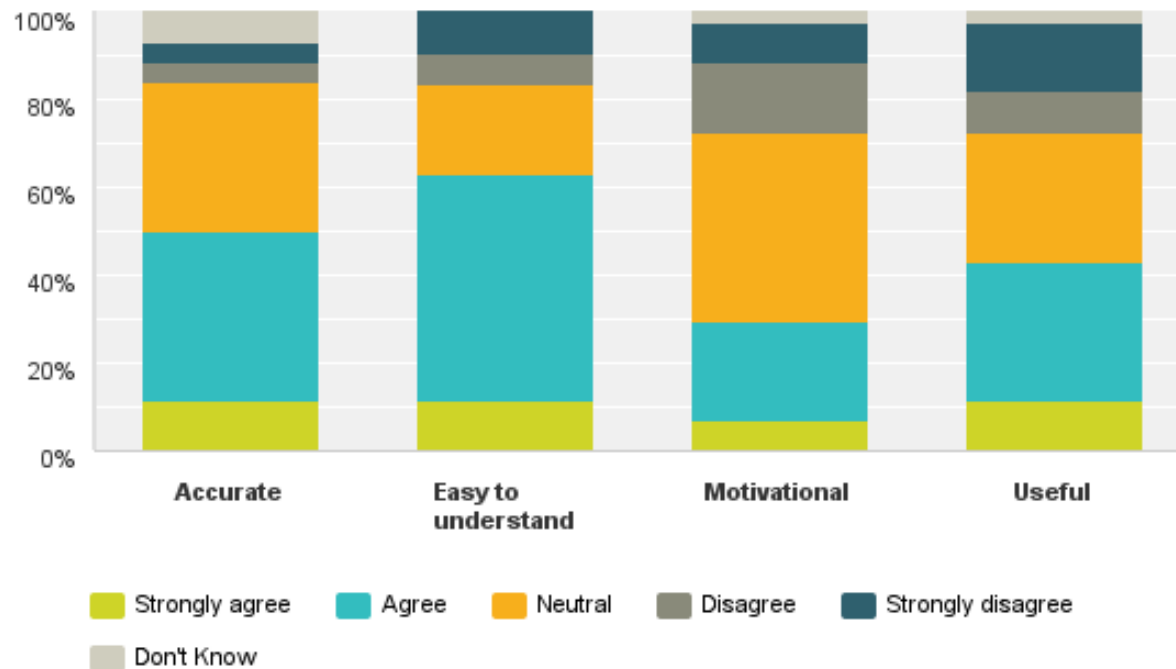
Call: 866-878-6008

BayAreaEnergyUpgrade.org

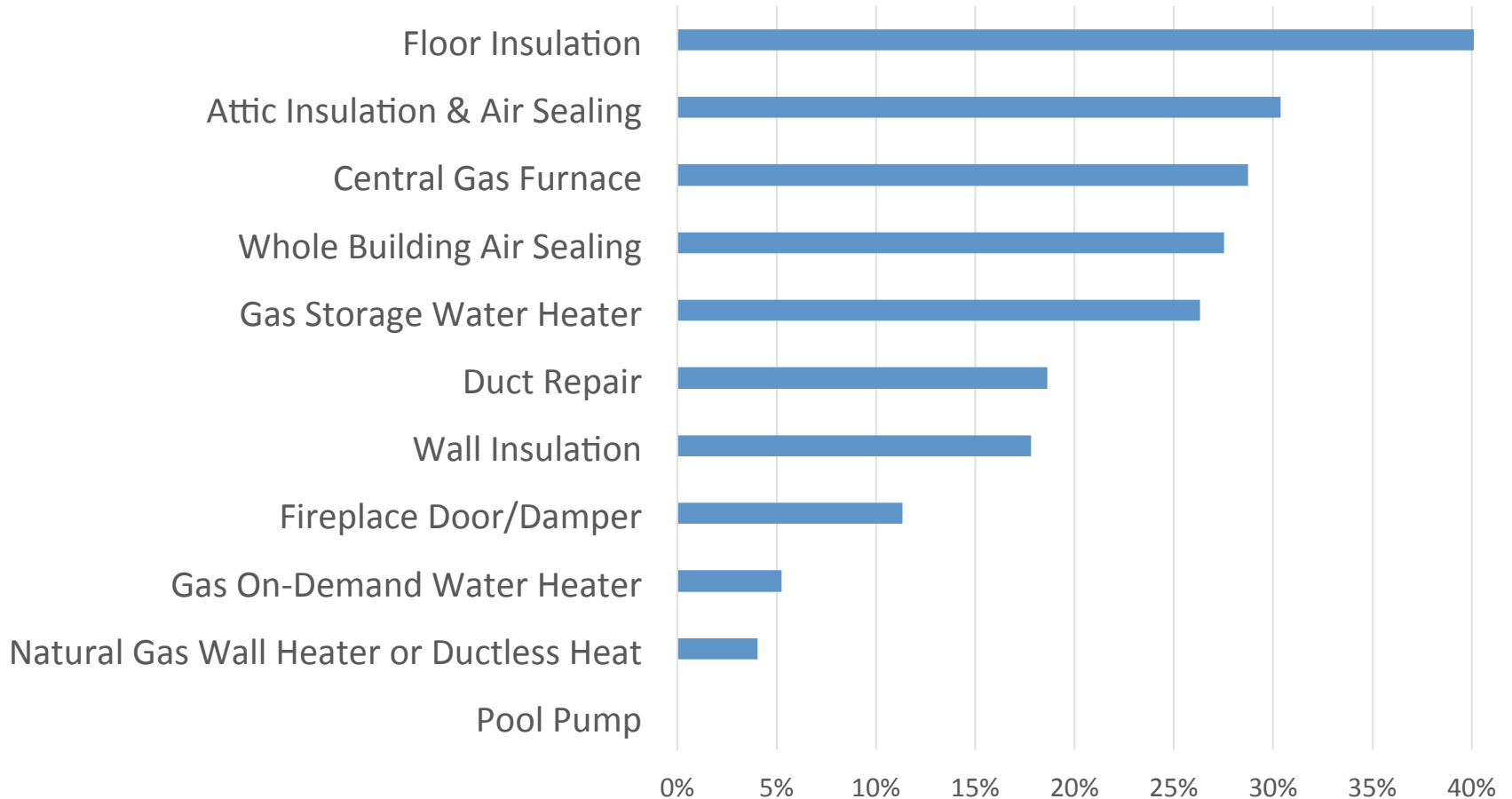
Customer Feedback

Q13 The Home Energy Score is:

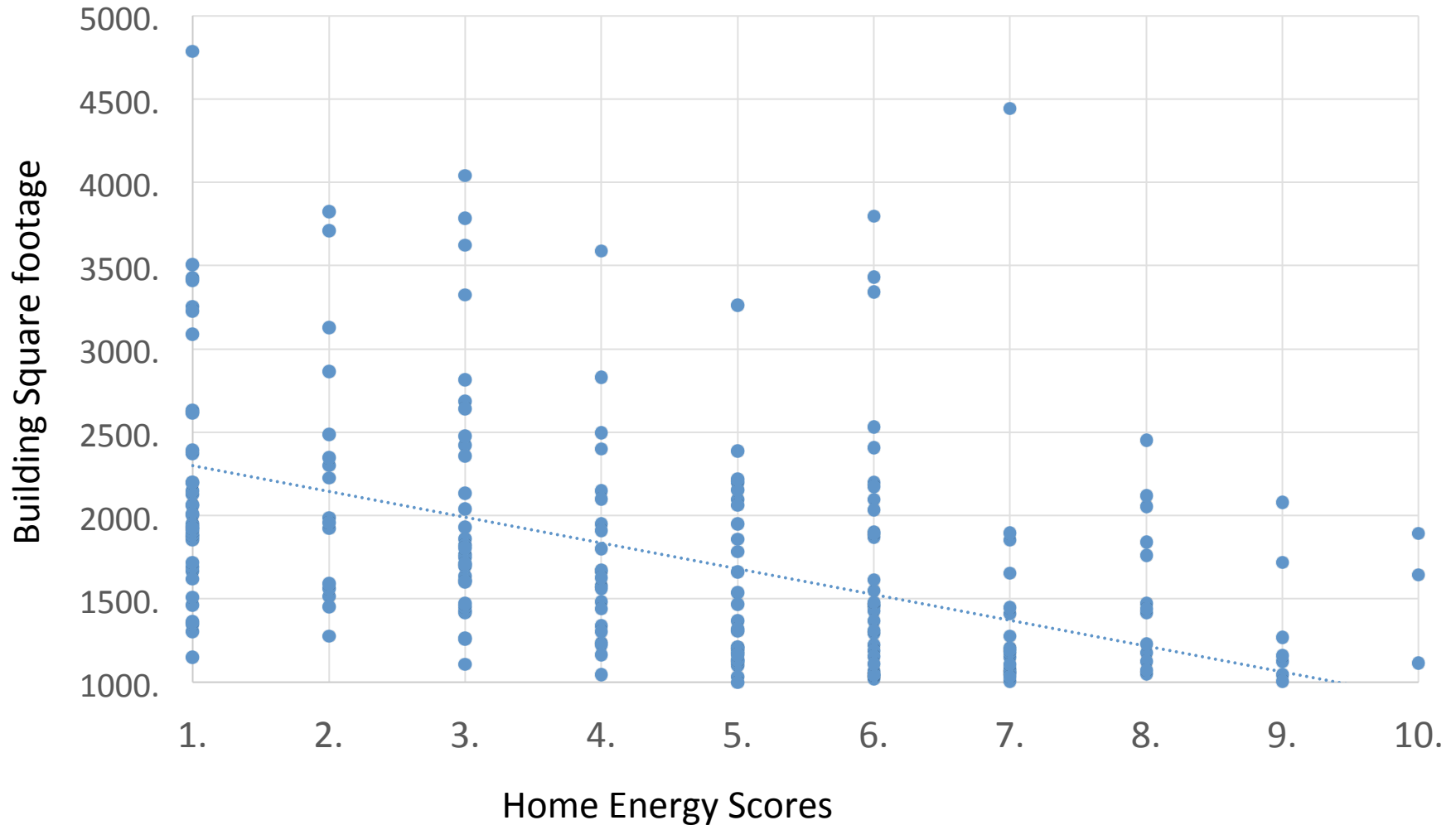
Answered: 44 Skipped: 4



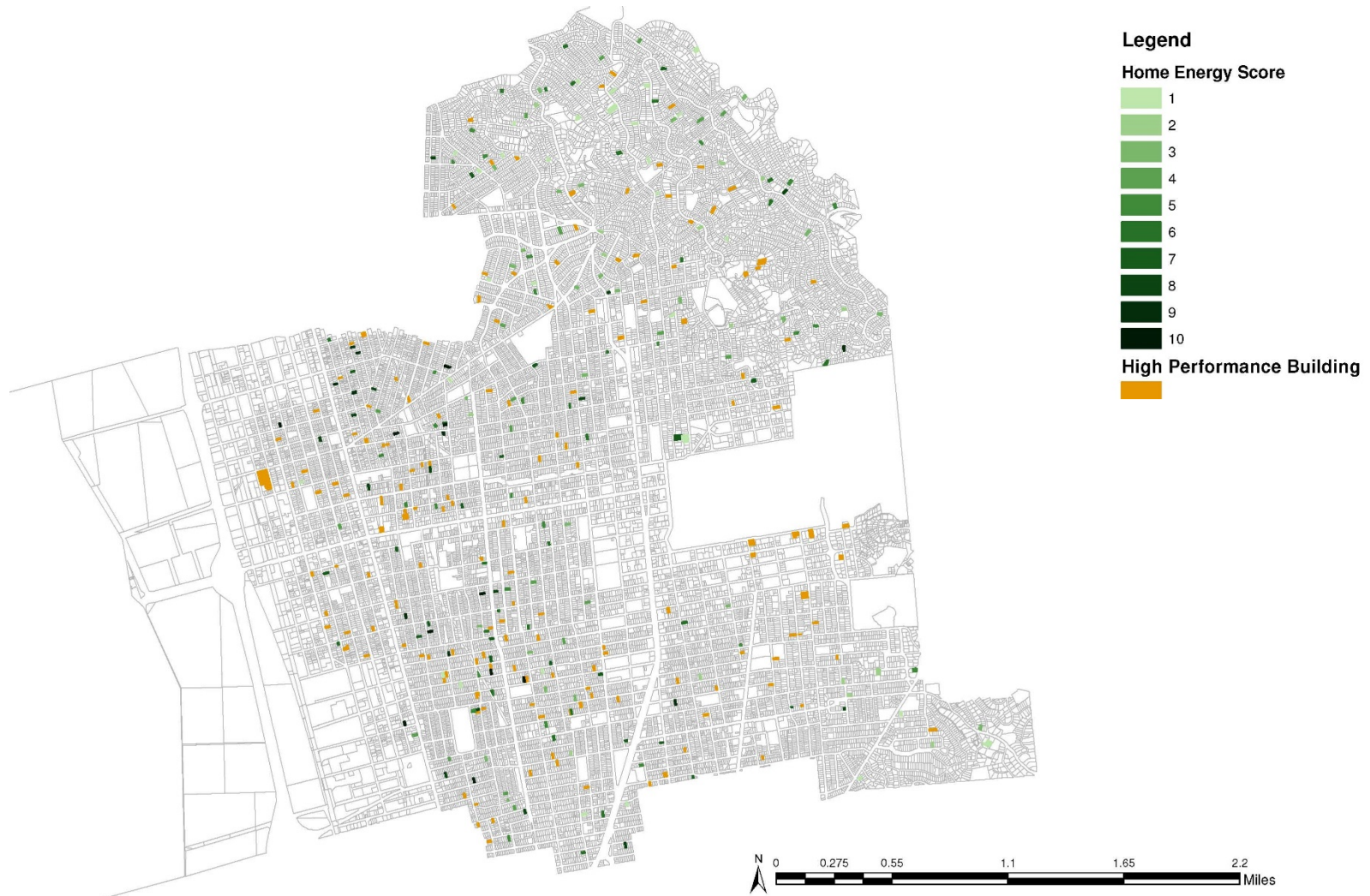
Home Energy Recommendations Frequency



Home Energy Score Distribution by Size



Spatial Distribution of HES Scores



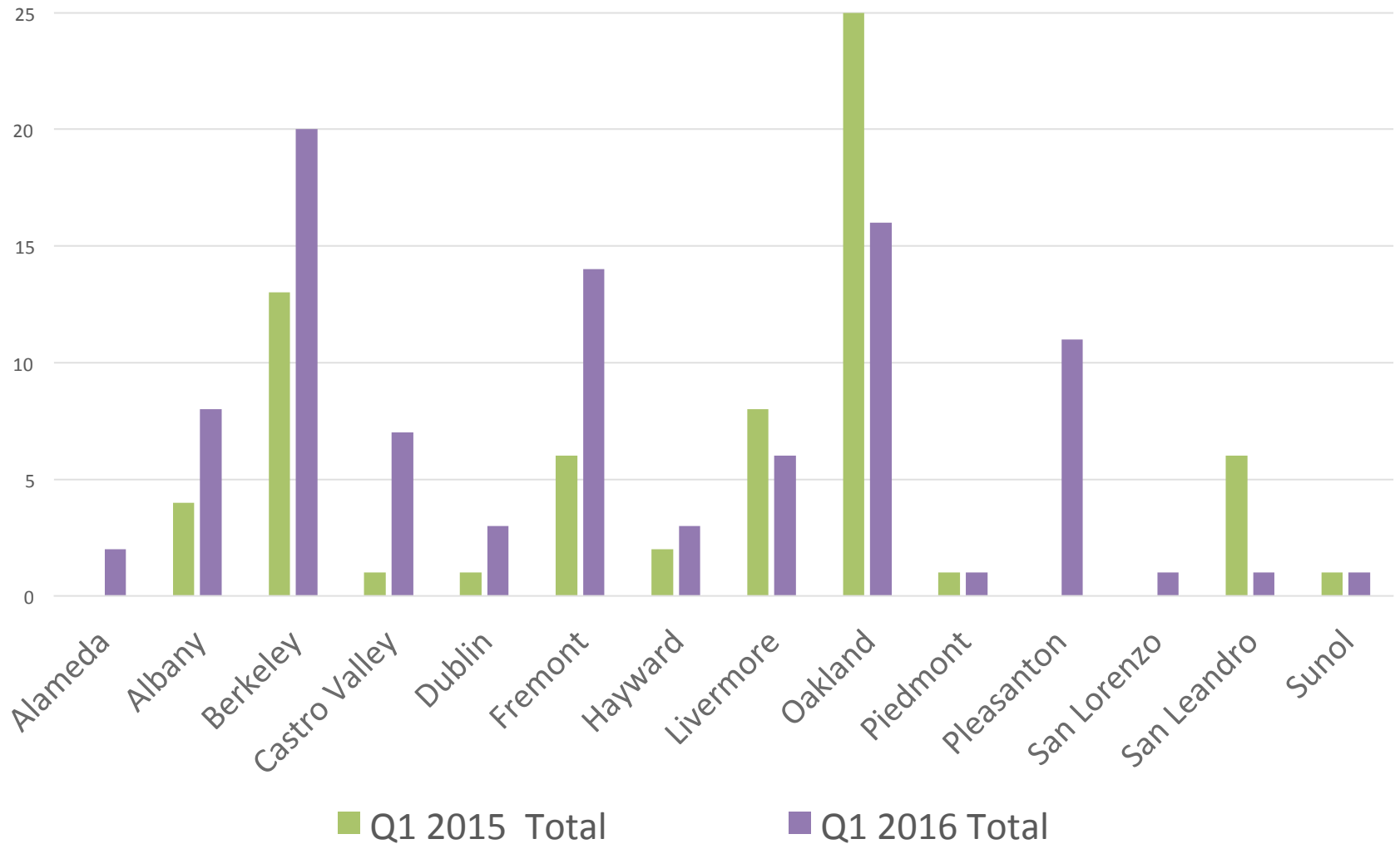
Why Home Energy Score

- 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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www.cityofberkeley.info/BESO