

Silicon Valley Innovations

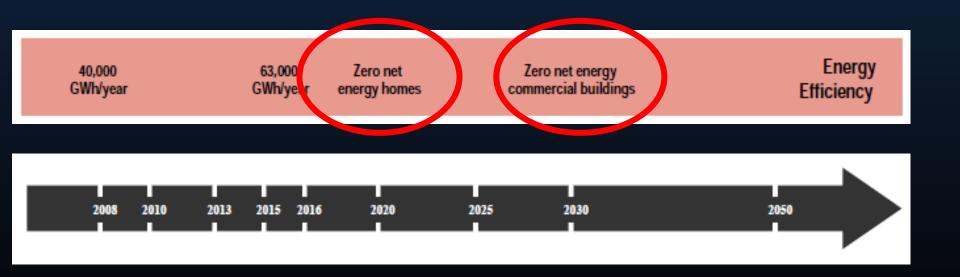
Northern California Communities

Global Economies

Innovating in the Built Environment New Net Zero Projects



CA Strategic Objective





ZNE demonstration projects



MarketZeroTaking an Existing Grocery Store to Near-ZNE

Upgrade a Whole Foods grocery store with high current energy use



Innovate Net Zero

Net Zero Demonstration in Low-Income

Mixed-Use Housing

Mixed-use, low-income multi-unit housing (first-of-its-kind retrofit in US)



Strategic Objectives

- Deliver leading edge, costeffective upgrades
- Create a platform for emerging technologies
- Leverage projects to build expertise in community





Project: Whole Foods ZNE

- 3950 24th St., San Francisco (Noe Valley)
- 1 story, 25,000 sqft, built 1968
- Efficiency goal: 40% to 60% reduction EUI
- www.prospectsv.org/marketzero/













Projects: Eddy St. ZNE

- 160 Eddy St., San Francisco
- 4 story, 41,000 sqft, built 1908
- Efficiency goal: 50% reduction EUI
- www.prospectsv.org/innovate-net-zero
- Show & Tell (if time)















Challenges to Address

Grocery Store

- Very high energy use
- Constrained spaces
- Aesthetic requirements
- ROI requirements
- Operational requirements

Multi-unit

- Very constrained physical spaces
- Tenant management and behavior
- Historic facade
- Operational requirements



Timelines

- 2016 Q2 Q4 Technology Discovery
- 2016 Q4 2017 Q2 Design
- 2017 Q2 2018 Q1 Construction
- 2018 Q2 2019 Q4 Commissioning and M&V
- Ongoing Knowledge Transfer



Opportunities to Engage

- Technical Advisory Committee
- New Technology Discovery
- Knowledge Transfer

