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# Achieving Building Electrification at Scale

September 10th



# Overview

1. The role of local action in building scalable solutions and some SVCE examples
2. The scale and cost of the challenge – just in our service territory
3. The need for new solutions, new collaborations, and new funding

# First, we need to build open runways, not private planes.

Local action can catalyze collective action and enable decarbonization or it can exacerbate existing inequality and limit decarbonization



**VS.**



- Develops solutions that scale up to all communities
- Maximizes benefits to the most vulnerable
- Builds workforce, improves public health
- Can serve as a state, national, and global model
- Leads to full decarbonization

- Leverages resources to enable fast electrification in most affluent communities
- Assumes benefits trickle down
- Increases rates and housing for vulnerable
- Not widely adoptable
- Leads to backlash, stalls decarbonization





# Local action can demonstrate possibilities.

**SVCE staff has proposed a program to provide >\$1M to electrify community buildings**

## Local demonstrations can:

- make electrification tangible
- convey workforce and health benefits
- uncover challenges.



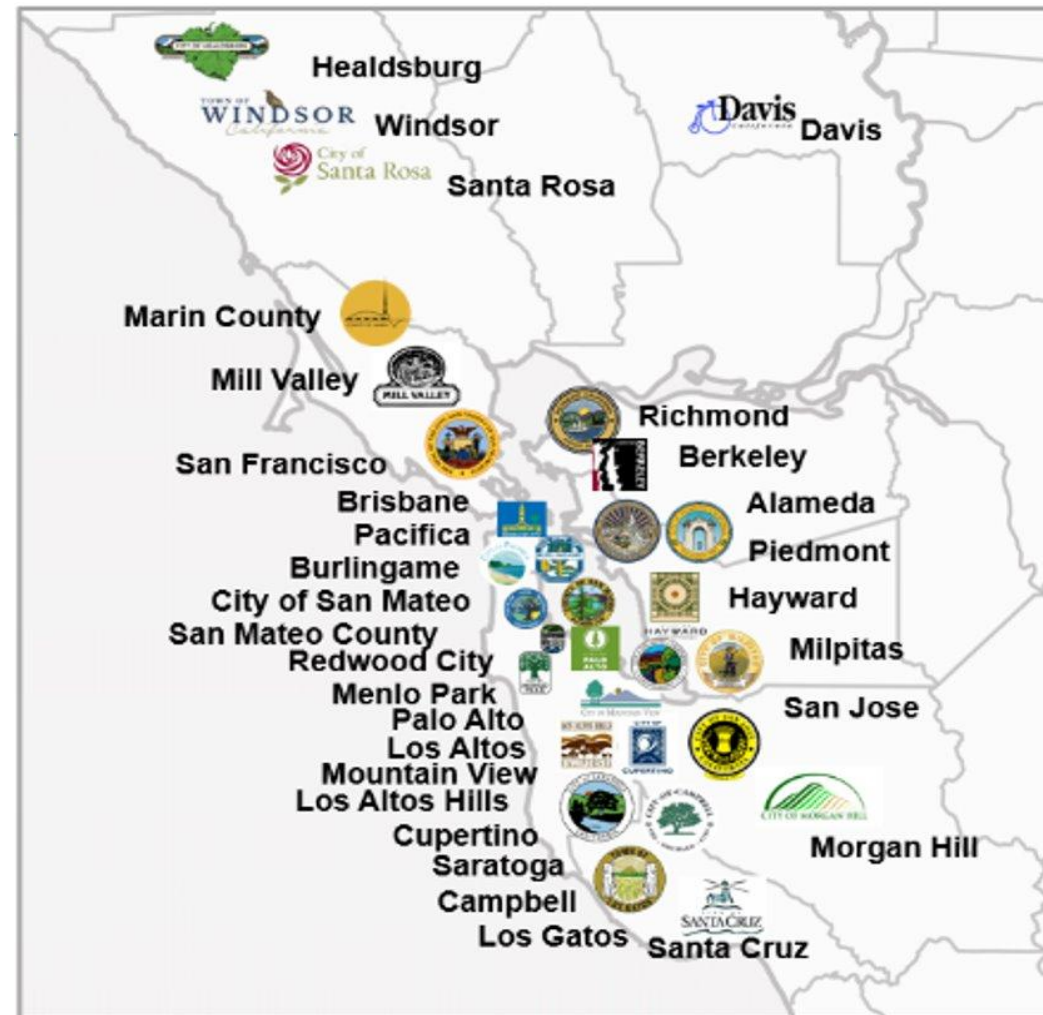
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# Local action can test policy solutions.

- >50 jurisdictions have adopted reach codes and at least two gas phase-out targets.
- Neighborhood electrification zones are likely best designated locally.
- **SVCE will provide \$1.5M to support local policy experimentation.**

## Jurisdiction with Reach Codes



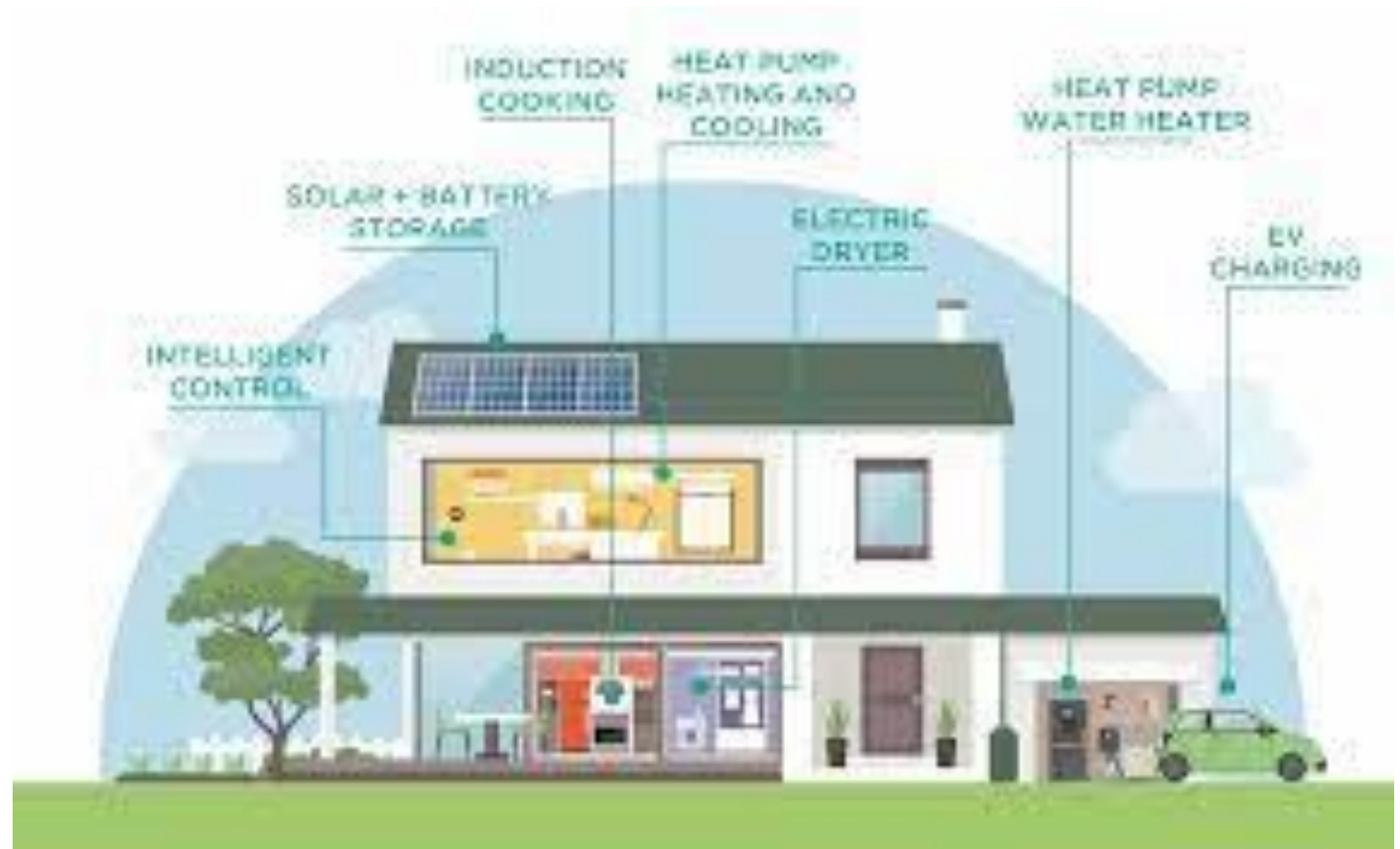
Credit: Redwood Energy



# Local action can test program designs.

- CCA's in particular can rapidly test different incentive designs.
- Programs can be stand-alone or stack with other programs.

**SVCE will provide >\$8M for incentives.**





# Collaboration is essential to scale.

Getting to scale requires new funding mechanism and new ways of using existing funding

- Electrifying existing buildings requires **hundreds of millions in incentives** for SVCE territory alone. The full cost of electrification is many times higher.
- We need massive Increases in funding.
- The most cost-effective portions of retrofits can be financed – the need for incentives won't go away.
- We need to think collaboratively and collectively about new sources of long-term, stable, large-scale funding sources.

Thank you!!!