

Health-E Communities

Creating Healthy Outcomes with Building Electrification

Executive Committee, 10.4.23



Health-e Communities Objectives

- Deliver up to 2,000 induction stove retrofits to households where one or more residents suffer from asthma or chronic pulmonary disease
 - explicit emphasis on low-income/disadvantaged communities and families with children
- Establish necessary partnerships with healthcare professionals and researchers to reach and research the impacts on participating households and the larger community
- Develop local contractor network to complete the work and scale into future electrification work
- Pair induction stove installations with research to support scaling up home electrification as a public health response to asthma and pulmonary disease
- Serve as a scalable demonstration project for intersectionality of home electrification and public health

Health-E Communities Partnership: Aligning EBCE Scope with EBCE Expertise

- EBCE has budgeted up to \$15M in funding for Health-e Communities electrification projects
- Focus EBCE funding and core responsibilities on induction stove installations
- Recruit partners that can leverage external funding to support research goals, customer/community engagement, integration of home electrification into public health services and scaling of program learnings
- Bring in external funding partners (ex: EPA, Health/Climate philanthropy, Kaiser Permanente...) to fund costs of public health partner participation in program

Roles Responsibilities

EBCE

- Select induction equipment
- Specify kitchen electrification kit
- Secure installation partners
- Manage kitchen electrification projects
- Complete Q/A check on installations
- Identify and apply for research funding

Partner(s)*

- Support EBCE in research fund development
- Test pre/post indoor air quality
- Develop longitudinal study
- Secure healthcare professionals for patient program referrals
- Secure data sources for longitudinal study
- Evaluate qualitative and quantitative health and quality of life impacts results

*health care organizations, healthcare providers, researchers

Pilot to scale: Oct 2023 to June 2024

Measurable outcomes for the direct install pilot...

- Complete up to 200 induction stove retrofits for CARE and Medical Baseline customers
- Qualify 3-5 local contractors with potential workforce development for apprentices
- Collect indoor air quality measurements & participant qualitative surveys

Pilot Learnings to inform Program Scaling

- Effective recruitment and enrollment of receptive & engaged participants
- Streamline and simplify induction retrofits for impact, scale, speed and cost
 - Between single-family and multi-family; Identifying ideal conditions
- Measure indoor air quality impacts, participant qualitative impact, and role of longitudinal health research
- Determine project costs and installation timelines

Timeline

- **Oct '23 to June '24:** pilot installation of up to 200 retrofits + contract with 3-5 local installers + indoor AQI monitoring partner
- **Through 2024:** scale up to program with healthcare research solicitation + develop larger building electrification contractor network
- **Through 2026:** full program implementation & research