

Health-E Communities Partnership



Health-E Communities Partnership Overview

Many impactful studies have been conducted that demonstrate the negative impact of natural gas combustion in homes, but there is no program we are aware of that explicitly seeks to deploy home electrification to prove out the indoor air quality and health improvements of switching to electricity for heating and cooking – yet this is an explicit goal articulated in EBCE’s Local Development Business Plan

Establishing this linkage explicitly and through rigorous analysis will help unlock significant opportunity for EBCE to scale the deployment of home electrification into households and communities that need it most and potentially unlock public health dollars to co-fund home electrification in the future

-EBCE did significant outreach/engagement with PHPs when designing our medical baseline storage program where we sought to partner with PHPs to find households where EBCE’s home storage could be most beneficial. Uniform response from PHPs was that they recognized the value of this partnership for the communities they serve but they lacked resources to support and implement and would require funding to support a partnership

-targeting households where residents suffer from asthma for home electrification requires a new type of partnership that does not currently exist. PHP(s) like Kaiser, CHO, or AHS do not have capabilities today to partner with electricity providers to design and deliver wrap-around programs that deliver home electrification

Health-E Communities Partnership Goals

Attachment: CEO Report Item 9A

- Deliver +1,000 home electrification retrofits into households where one or more resident suffers from asthma w/ explicit emphasis on low-income and disadvantaged communities
- Establishment necessary partnerships to reach these households
- Pair home electrification program with necessary research to support scaling up home electrification as a part of 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

Attachment CEO Report Item 9A

- Focus EBCE funding and engagement on funding electrification retrofits (induction cooking, heat pumps)
- 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: U.S. EPA, U.S. HHS, CA ARB, Health/Climate philanthropy) to fund costs of public health partner participation in program

Health-E Communities Partnership Overview

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|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1a) Air Pollution and Indoor Air Quality Research Program | Perform a multi year study of the nexus between air pollution, indoor air quality, electrification programs and medical care (2023-2028) |
| 1b) Indoor Air Quality Monitoring Project | Project to deploy up to 1,000 air quality monitors in homes of high acuity asthma patients to monitor indoor air quality impacts of gas appliances and on-going benefits to indoor AQ of home electrification (2023) |
| 1c) Health-E Home Electrification Retrofit Project | Project to deploy home electrification interventions for indoor air quality study participants (2023-2024) |
| 1d) Community Asthma Care grant | Investment to significantly enhance capabilities to deliver frontline asthma care across the East Bay with explicit integration to home and community electrification measures (2023-2028) |

Health-E Communities Partnership: Indicative Participants/Roles

Attachment CEO Report Item 9A

| Program Partners | 1a) Air Pollution and Indoor Air Quality Research Program | 1b) Indoor Air Quality Monitoring Project | 1c) Health-E Home Electrification Retrofit Project | 1d) Community Asthma Care x Electrification grant |
|--------------------------------|-----------------------------------------------------------|-------------------------------------------|----------------------------------------------------|---------------------------------------------------|
| Public Health Partner(s) | lead | co-lead | | co-lead |
| East Bay Community Energy | | | lead funder / co-lead | |
| Building Decarb Coalition | Program manager | Program manager | Program manager | |
| Project Delivery Partner | | deployment lead | deployment lead | |
| Air Quality Monitoring Partner | | co-lead | co-lead | |
| Grant/Philanthropy Partner(s) | co-funder | co-funder | | co-funder |
| Finance Partner(s) | | | co-funder | |

Health-E Communities Partnership Actions

Attachment CEO Report Item 9A

- **Sept 2022 EBCE Exec Comm:** Present Health-E Communities Program Concept to EBCE Executive Committee and seek direction
- **Oct 2022 EBCE Board Meeting:** Present Health-E Communities Program as informational item
- **December 2022 EBCE Board Meeting:** Present Health-E Communities Program detailed proposal w/ initial EBCE funding levels
- **December 2022 to April 2023:** EBCE begins process of acquiring Health-E Communities partners and development Health-E Communities program agreement(s)
- **April 2023:** Seek Board approval of Health-E Communities Partnership agreements
- **May 2023:** Health-E Communities Program Launch