

DOE Buildings Upgrade Prize

Community-Driven Scale for Electrified Healthy Housing Team

Goal: Removing barriers to electrification in low-income homes, reducing carbon emissions, and creating energy efficient and safe housing that provides green job opportunities and a career pathway for community residents, to align with Justice40 goals

Community Partners

Green & Healthy Homes Initiative
Banner Neighborhoods
Rebuild Johnston Square Neighborhood Organization
Men and Families Health Center
East Baltimore Electrification Community Advisory Board

Key Agency Partners

Baltimore City DHCD
Maryland Energy Administration
Maryland DHCD

Community Training and Green

Workforce Development Partners

ABC-Project Jumpstart
Living Classrooms
International Brotherhood of Electrical Workers (IBEW)

- Community and Equity-Centered Electrification Innovation
- Providing equitable access to electrification, energy-efficiency measures and renewable energy technology
- Allowing families and seniors to live and thrive in sustainable communities where they choose to live



Equity Driven Target Area: East Baltimore City which is 96% African-American, estimated median household income in 2013 was just under \$25,000 with a median home price of less than \$12,000, and has an energy-inefficient, toxic, and deteriorated housing stock

Building Upgrades Innovation:

- Provide access to electrification and renewable energy technologies in under-resourced communities
- Utilize GHHI integrated housing intervention model to address energy loss and contribute to climate mitigation while addressing asthma triggers, lead hazards and household injury risks through whole house interventions and leverage funding partners
- Train and hire Baltimore City residents

Transformational Project Outcomes:

- Reduced carbon emissions and high energy burdens while implementing a holistic housing intervention model that will leverage other funding resources to reduce rates of lead poisoning, asthma and household injury
- Reduced energy consumption and costs, and improved indoor air quality
- Increased housing and financial stability due to lower utility bills
- Reductions in missed school and work days from reduced asthma episodes