



ELEVATE

Building a Climate Resilient Detroit Conference

ELEVATE

September 2024





OUR MISSION

We design and implement programs that reduce costs, protect people and the environment, and ensure the benefits of clean and efficient energy use reach those who need them most.

Michigan Community Programs Overview



ELEVATE

Michigan Community Programs Overview

The Michigan Community Programs design, implement, and manage programs in three key areas – with the purpose of advancing sustainability, equity, and community resilience.

- ✓ Low-income Housing
- ✓ Workforce Development
- ✓ Resiliency Hubs

Elevate has retrofitted over 100,000 units of affordable housing over the past 20 years

- Our programs span energy and health retrofits, solar, demand response and dynamic pricing, and contractor and workforce development



Low-Income Housing

We work to improve energy efficiency, reduce utility costs, and enhance comfort and health for residents.

Through weatherization, energy audits, and access to renewable energy, we aim to alleviate energy burdens and create healthier living environments.

Cost-Benefit Toolkit Example

The Toolkit will assess:

- ❑ Carbon Reductions: Calculating the decrease in carbon emissions from transitioning to electric systems.
- ❑ Health Benefits: Evaluating improvements in air quality and associated health outcomes.
- ❑ Economic Impact: Analyzing cost savings and economic benefits from reduced energy consumption and improved efficiency.

The toolkit went live Summer 2024

The screenshot shows the 'Build Scenario' section of the toolkit. It is divided into three main areas: Instructions, Project Specifications, and Building Specifications.

- Instructions:** Labeled 'Instructions' with a sub-note '**User instructions**'. It is currently empty.
- Project Specifications:** A form with the following fields:
 - Scenario Name: My Scenario
 - County: [Dropdown]
 - Electric Utility: [Dropdown]
 - Gas Utility: [Dropdown]
 - Investment Year: 2025
 - Activation Year: 2025
 - NPV Timeline: 30
 - Project Funding (\$) (grants only): 0
 - Scope of Health Impact: Contiguous US
 - Estimate of Health Impact: MiddleA 'Run Scenario' button is located at the bottom of this section.
- Building Specifications:** A larger form with several sub-sections:
 - Basic information:** Multiplier (1), Building Name (Building 1), Building Type ([Dropdown]), Fuel Type ([Dropdown]), Annual Electricity Consumption (kWh) ([Input]), Annual Gas Consumption (units) ([Input]).
 - Existing Equipment and Building features:** Includes a 'Show Advanced Features' button.
 - Equipment Upgrades to be Performed:** Building Shell Upgrade Scenario (None), Space Heating ([Dropdown]), Space Cooling ([Dropdown]), Water Heating ([Dropdown]), Range Cooking ([Dropdown]), Clothes Drying ([Dropdown]), Solar PV Array Size (kW) ([Input]), Disconnect Gas Entirely? (No).
 - Financial Information:** Energy Efficiency Capital Expenditure (\$), Heat Pump Capital Expenditure (\$), Water Heater Capital Expenditure (\$), Range/Cooking Capital Expenditure (\$), Photovoltaic (PV) System Capital Expenditure (\$), Clothes Dryer Capital Expenditure (\$). All these fields currently show '0'.A 'Show Tariff Information' button and an 'Add Building' button are located at the bottom of this section.

Workforce Development

Elevate's **Detroit Clean Energy Contractor Accelerator Program** engages *Black owned Detroit contractors* in a cohort program that provides access to services and training intended to grow their businesses to participate in clean energy projects; particularly the solar, battery, and EV sectors.

GOAL:

INCREASE THE NUMBER OF
TRAINED OR NEWLY HIRED
BIPOC CLEAN ENERGY
CONTRACTORS

Black workers make up
14% of MI's population

BUT ONLY **6.7%** of the
clean energy workforce

Women make up
51% of MI's population

BUT ONLY **25%** of the clean
energy workforce

Workforce Development

Our workforce development initiatives seek to build a skilled and diverse workforce for the clean energy sector.

By providing training to individuals, contractors, and organization are empowered to access meaningful opportunities and contribute to a more sustainable future.

Resiliency Hubs

Resiliency hubs are community-based organizations; equipped with renewable energy technologies and emergency resources to provide critical services before, during, and after climate disasters.

These hubs enhance community resilience by providing access to power, communication, and support services, particularly to frontline communities.

Resiliency Hub Components

Resilience Hub:

A community- serving facility that coordinates resource distribution and services before, during, and after a climate disaster.

3 Core components:

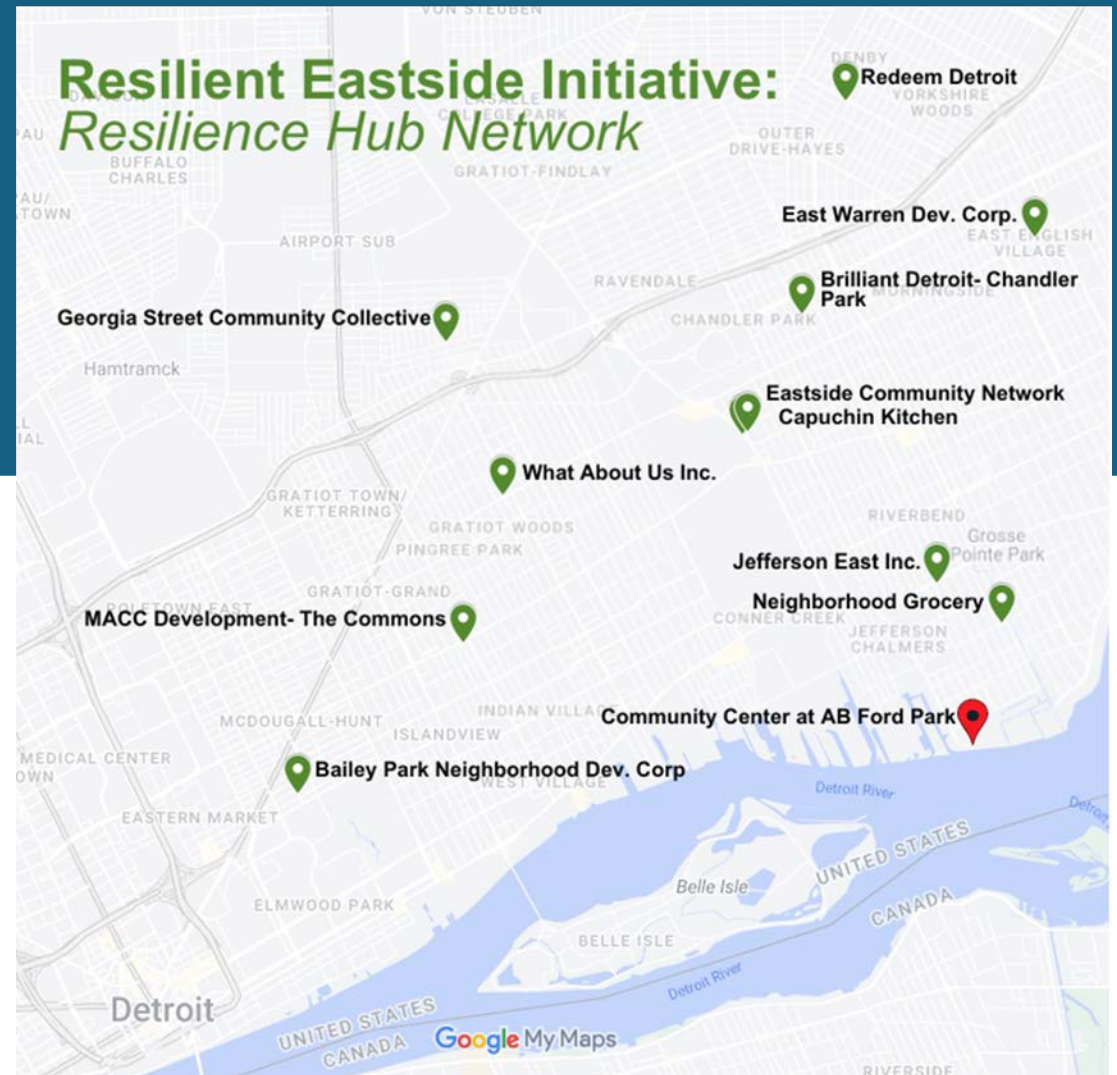
- **Infrastructure:** Backup power for medical supplies and devices, safe space for residents to access resources, accessible (e.g. warming/cooling center)
- **People:** Leaders and staff trained to respond to crises
- **Community:** Hyper-local, trusted organizations within a 10-minute walkshed

Resilient Eastside Hub Network

9 Community based non -profits

2 Small businesses

1 City of Detroit recreation center



Contact information

Shawna Forbes Henry

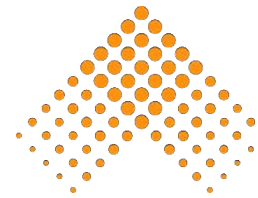
Director

Community Programs - Michigan

Elevate

Direct 773.245.0724

Email Shawna.Forbeshenry@elevatenp.org



ELEVATE



ElevateNP.org



info@ElevateNP.org



[@ElevateNPOrg](https://www.facebook.com/ElevateNPOrg)



[@ElevateNPO](https://twitter.com/ElevateNPO)



[@ElevateNP](https://www.linkedin.com/company/ElevateNP)