Getting the Most Out of Resilience Hubs
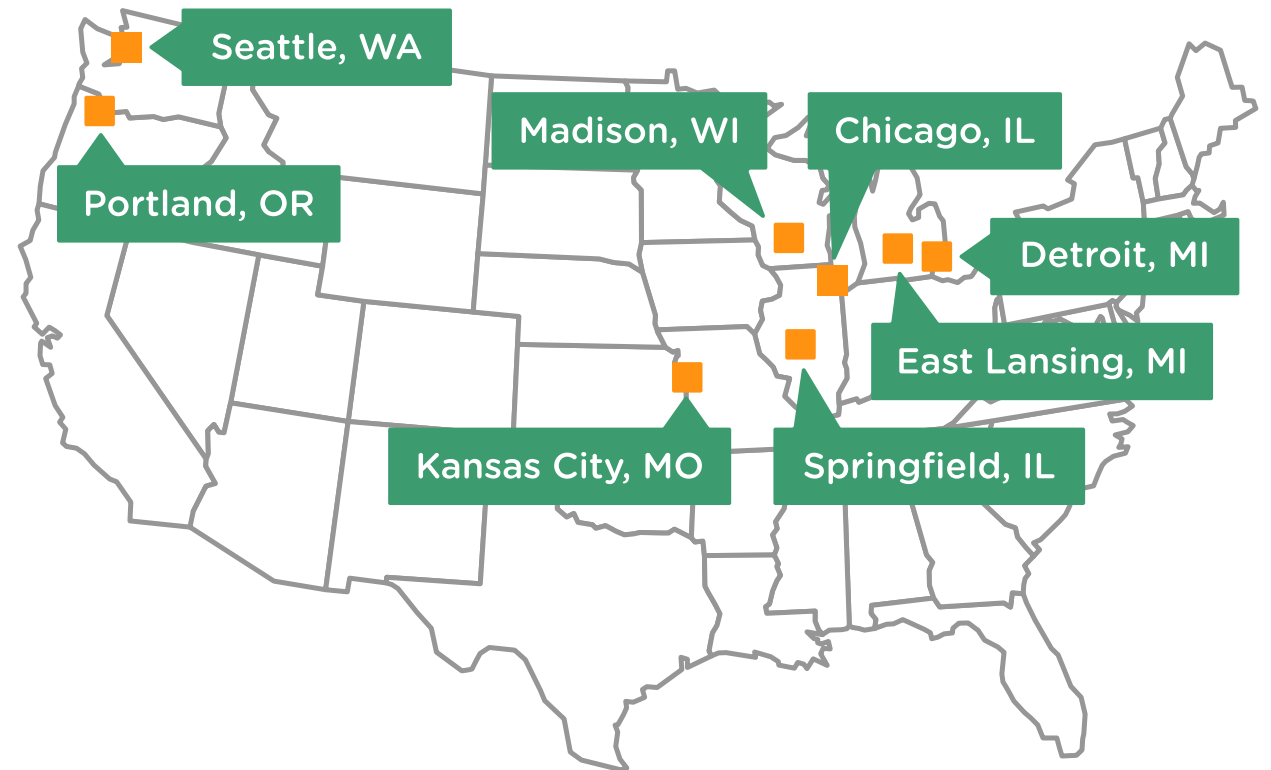
CESA 2024

ELEVATE

> **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.

Who We Are

- Nonprofit founded in 2000

- 250+ employees

- 8 offices

- Local programs with national impact

- National policy and research

- Energy Planning & Consulting

- Funded through government, utility contracts, and philanthropy

Seattle, WA

Madison, WI

Chicago, IL

Portland, OR

Detroit, MI

East Lansing, MI

Kansas City, MO

Springfield, IL

Our Key Areas of Work

Some of Our Programs

- Solar, Storage, & Resilience
- Electrification
- Energy Efficiency
- Water Efficiency
- Naturally Occurring Affordable Housing Retrofit
- Time of Use & Dynamic Pricing
- Health and Safety
- Workforce Development

Who We Serve:

- Low- and Moderate-income Communities
- Government and Public Sector
- Environmental Justice Communities
- Affordable Housing Owners and Developers
- BIPOC tradespeople

What is a Resilience Hub?

Resilient Buildings:

- Onsite Solar Generation

- Battery Backup

- Generators

- Resilient Communications

- Flood Mitigation

What is a Resilience Hub?

Emergency Services:

- Heating & Cooling Centers
- Wi-fi and charging stations
- Medical supplies
- Food preparation

A Wider View of Resilience Hub Planning

The services you offer and where you offer them makes a difference.

A Wider View of Resilience Hub Planning

Community Planning

- Community resilience planning
- Identifying organizations and facilities
- Workforce development

Service Planning

- Leveraging Services
- Emergency planning
- Critical load planning

Infrastructure Planning

- Energy audits
- System design
- Construction & capitalization

Leveraging Resilience

- Networking resilience hubs
- Organizational Planning

Community Planning

Community Resilience Planning
- Communities define resilience
- Localized disruptions impact service and infrastructure needs
- Leverage local skills and service needs

Identifying Sites
- Community trust and service offerings may be more important than ideal infrastructure
- There are many stages of resilience and resilience planning

Workforce Development
- Disinvested communities often have disinvested local clean energy contractor markets
- Individuals and contractor organizations need support

Service Planning

Leveraging Services
- Service offerings across multiple organizations can be leveraged
- Municipal agencies can delegate services thru organizations

Emergency Planning
- Government agencies and emergency planners can leverage the strength of resilience hub networks
- Emergency planning agencies can move resources and information through hub networks during disruptions

Critical Load Planning
- Leveraging services and emergency planning should inform critical load planning
- Community resilience definitions should inform critical load planning

Infrastructure Planning

Energy Audits
- Identify end of life energy equipment, as well as differed maintenance, roofing, electrical, and structural issues
- Energy efficiency should be prioritized to minimize solar and storage needs.

System Design
- Maximize solar to electrical loads to optimize batteries and reduce energy costs
- Resilience duration and budgeting must be balanced. But investment payback is difficult when prioritizing resilience

Construction and Capitalization
- Fundraising and fundraising assistance is often required
- Technical assistance is often needed through construction
- Even 100% funded projects need a capitalization place

Leveraging Resilience

Networking Resilience Hubs
- Resilience grows exponentially when organizations network to plan and share services
- Government agencies and emergency planners benefit when frontline organizations are coordinated for resilience

Organizational Planning
- A self-governing structure needs to be created for resilience organizations
- Long term funding for organizational management is a winning investment for communities and planners

Thank You!

- Vito Greco
- Vito.Greco@elevatenp.org
- 773-328-7011

ElevateNP.org

info@ElevateNP.org

@ElevateNPOrg

@ElevateNPO

@ElevateNP

ELEVATE