



# Examples of Resilience Hubs

November 2023

 **Atlantic Council**

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Resilience Center**

## Hawaii (Statewide)

- At the source link below, navigate to the Strategy map for the locations
- Under Resilience plans, you can find activities happening within the hubs, threats and hazards, team managing it, current assets and needs and the community impacts
- Scrolling down the website, they also have great score cards that can be used as benchmarks amongst the hubs

Source: [Resilience Hubs | Vibrant Hawaii](#)

## Vancouver, Canada

### Resilient Neighborhoods Program

- Support neighborhoods to examine and reduce chronic issues
- Support and amplify current resilience-building initiatives
- Build neighborhood capacity to collectively plan and prepare for, respond to, and recover from emergencies

### Disaster support hubs:

- Disaster support hubs are designated locations where you can initially gather to coordinate your efforts and offer assistance to other members of your community.
- They are also the post-disaster locations where City staff and trained volunteers will prioritize getting information and providing services to the public.
- There are 25 disaster support hubs located throughout the city.

Sources: [City of Vancouver resilient neighborhoods programs](#); [City of Vancouver Disaster support hubs](#)

## Ann Harbor, Michigan

- The Northside Community Center and Resilience Hub features a 23kw solar system that includes both rooftop and ground-mounted solar, two lithium-ion batteries, and an informational kiosk that displays details about the system. Once operational, the system will provide nearly 100% of the electrical needs for the center, and the batteries will provide up to three days of power in the case of a power outage. Northside Community Center serves as the administrative building for Community Action Network (<https://www.canwashtenaw.org/>) as well as a local community center where local food distribution and other services and activities take place.
- The work for this project was funded through a grant provided by the Solar Moonshot Program, funded by Left Coast Fund and managed by Hammond Climate Solutions (<https://www.hammondclimatesolutions.com/>) along with support from the city through a Sustaining Ann Arbor Together Grant (<http://www.a2gov.org/sa2t>).

Source: [Northside Community Center and Resilience Hub Ribbon Cutting Ceremony \(a2gov.org\)](#)

## Baltimore, Maryland

- The goal of the program is to better connect frontline community organizations with focused support and resources so that, in the event of a natural disaster or emergency, there is improved provision of emergency response and recovery services to under-resourced neighborhoods and their most vulnerable residents. The Program is a partnership between service-based community organizations in Baltimore's most climate-

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vulnerable neighborhoods and the Office of Sustainability (BoS), Office of Emergency Management (OEM), and Department of Health (BCHD).

- A priority goal of the program is to outfit Community Resiliency Hub partner organizations with solar power and battery back-up capabilities. This helps increase access to renewable energy and back-up power in LMI (low to moderate income) communities, reduces the utility cost burden for community organizations, and provides community training and workforce development opportunities.

*Source: [The Baltimore City Community Resiliency Hub Program | Baltimore Office of Sustainability \(baltimoresustainability.org\)](https://baltimoresustainability.org)*

- City leaders in Baltimore collaborated with civic groups to originate the concept of resilience hubs in 2014 and were the first to put them in place. Other cities then expressed growing interest.
- Baltimore's Health Department and Office of Sustainability collaborated with hub leaders to expand and improve services at six existing hubs and select locations for three new ones in 2019. Surveys and workshops with neighborhood residents identified ways that hubs could improve, such as by increasing awareness of existing community assets, strengthening local partnerships, and broadening awareness of the hubs and the resources they can provide through these partnerships. City staff mapped climate, health, and demographic data to identify gaps in hub locations and inform site selection.

*Source: [Resilience Hubs Can Help Communities Thrive—and Better Weather Disasters | The Pew Charitable Trusts \(pewtrusts.org\)](https://pewtrusts.org)*

## Minneapolis, Minnesota

- Project partners: City of Minneapolis – Health Department: Emergency Preparedness; Environmental Services - Sustainability Division – Chief Resilience Officer; Little Earth of United Tribes; IPS Solar, MuGrid Analytics, Solar Bear; Center for Energy and the Environment.
- Resident Workshops: Creating family emergency plans and kits; Climate context of disaster planning; Cultural considerations in disaster planning; Organizational Capacity Building; Emergency Preparedness MOU – Organizational Planning
- Development of specifications for energy efficiency upgrades, which then informed installation of LED light bulbs, weather stripping, and high efficiency showerheads. In collaboration with LERA and renewable energy businesses and funders, Minneapolis initiated a feasibility study to look at installation of solar panels and battery backup to supply temporary electricity if the local power grid goes down during an emergency.

*Source: [lims.minneapolismn.gov/Download/FileV2/21707/Climate-and-Health-Resilience-Hub-Pilot-Project-Report-Presentation.pdf](https://lims.minneapolismn.gov/Download/FileV2/21707/Climate-and-Health-Resilience-Hub-Pilot-Project-Report-Presentation.pdf)*

- In Minneapolis, the city's Sustainability Office and two Health Department divisions—Emergency Preparedness and Environmental Services—have partnered with Little Earth of United Tribes, the only public housing community in the U.S. where Native Americans are given preference. City staff worked with the association to conduct workshops that engaged residents in emergency preparedness exercises. The grant also supported development of specifications for energy efficiency upgrades, which then informed installation of LED light bulbs, weather stripping, and high efficiency showerheads. In collaboration with LERA and renewable energy businesses and funders, Minneapolis initiated a feasibility study to look at installation of solar panels and battery backup to supply temporary electricity if the local power grid goes down during an emergency.
- In 2018, Minneapolis started to explore this approach to support community preparedness and sustainability.
- With funding in 2019 from the Health Impact Project, a collaboration of the Robert Wood Johnson Foundation and The Pew Charitable Trusts, both cities have used health-related data and engaged with community organizations to evaluate, improve, and refine the hub concept.

*Source: [Resilience Hubs Can Help Communities Thrive—and Better Weather Disasters | The Pew Charitable Trusts \(pewtrusts.org\)](https://pewtrusts.org)*

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## San Leandro, California

The City of San Leandro is supporting the development of a network of resilience hubs, spaces and blocks, through workshops, consulting and funding opportunities.

- Temple Beth Sholom: Temple Beth Sholom is an historic synagogue with a forward-thinking leadership. Their resilience hubs practices include becoming certified as a green business, preschool and childcare services, mutual aid, and more.
- Church of Christ and Lewis Ave Neighborhood: The San Leandro Church of Christ & Lewis Ave Neighbors are growing a community garden and have hosted a number of neighborhood block parties and socials.
- Bethel Presbyterian Community Church: Bethel Community Church's food distribution, community garden, tiny home project, and other community programming make it an amazing example of resiliency in action.
- Teen Advocacy Going Strong (TAGS): TAGS is a nonprofit, second-hand clothing store and workspace dedicated to serving teens and young adults ages 13-24.
- Korean Community Center of the East Bay (KCCEB): The mission of KCCEB is to empower immigrants in the Bay Area through access to education, services, resources and advocacy. They are a bridge helping individuals get needed resources at critical moments in their lives.
- Davis St Community Center: Since 1972, Davis Street has been a key community leader in guiding families and individuals out of poverty and into productive lives by helping others help themselves. They provide a full range of necessary services, from medical care and child care to food and clothing.
- First United Methodist Church: First United Methodist Church, San Leandro has a long, proud history of serving the community of San Leandro, through the dedication of our leadership, pastors and volunteers. They currently host a warming shelter for the unhoused during the winter months.
- Faith Fellowship Foursquare Church: Faith Fellowship is a multicultural church in the Manor neighborhood of San Leandro.
- Mulford Gardens Improvement Association: The mission of the Mulford Gardens Improvement Association is the protection and enhancement of the lands and community in the historic Mulford Gardens neighborhood. They seek to improve the social, cultural, and environmental conditions of the neighborhood through community spaces, events, and other outreach efforts.
- Manor Branch Library and Washington Manor Neighborhood: The City is collaborating with local residents from the Washington Manor neighborhood to make the Branch Library a community hub that serves all.
- IDEAFINITY: IDEAFINITY strives to reduce the accessibility gap by providing an array of services specifically designed to help the Deaf and Hard of Hearing community and emergency responders better prepare for such dangers by ensuring full access and preparedness.
- San Leandro Food Sovereignty Project: This neighborhood project seeks to establish the right of peoples to healthy and culturally appropriate food produced through ecologically sound and sustainable methods, and the right to define and control our own food and agriculture systems, including markets, production modes, food cultures, and environments.

Source: [Hub Sites in San Leandro | San Leandro, CA](#)

## Oakland, California

Lincoln Square Park Municipal Resilient Hub

- A future-forward Recreation and Resilience Center inspired by tradition, featuring community-based design and opportunities to play, learn, connect, and contribute to the rich history and cultural legacy of Oakland Chinatown.
- Planned features: Solar Panels • Backup off-grid power • Air filtration • Improved heating and cooling systems • Commercial kitchen • Shower facilities • Broadband • Indoor/outdoor gathering area • Chargers for medical devices and phones on backup power • Refrigeration for medication on backup power • Environmentally friendly construction methods • Low-water landscaping, bio-filtration systems and permeable paving
- Community benefits: Expanded program space • Clean air center for poor air quality days • Ample storage for food and supplies • Workforce development, including within the Green economy • Multi-lingual community distribution point for information and resources • Resilience programming including disaster preparedness and response workshops

Source: [Lincoln Square Park Municipal Resilient Hub](#)

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## Los Angeles, California

- Los Angeles, California's, Neighborhood Resilience Hubs – which are part of the city's resilience strategy – will be physical spaces housed within trusted community organizations to facilitate social and climate resilience, including disaster preparedness and recovery. The total cost of the project is estimated at US\$1 million in "hard costs" per site, with US\$500,000 in "start-up" costs per site.
- The city will increase the number of so-called resilience hubs, which provide shade, cooling, internet and transportation services in buildings that are energized with renewables and backed up with battery energy storage
- Already the city operates a network of cooling centers during extreme heat events that includes 73 libraries
- Equipped with solar panels, backup power, shade and emergency food and water supplies, resilience hubs will target communities that are at highest risk for the negative effects of climate change
- Resilience hubs will also provide ongoing services and programs throughout the year

Boyle Heights Resilient Hub: Lessons Learned from the Boyle Heights Resilience Hub in Los Angeles and Practical Applications for Expanding Resilience Hubs Statewide

Source: [\*LA is building resilience hubs for extreme weather events \(spectrumnews1.com\)\*](#); [\*Boyle Heights Resilient Hub\*](#)

Video: <https://youtu.be/muPZBDrdEvM?si=97BODy58sCJ4QsG7>

Video: <https://youtu.be/muPZBDrdEvM?si=QZWsXWwAIESzAITu>

## San Francisco, CA

- San Francisco's Empowered Communities Program (ECP) provides communities with the technical support to assume rightful ownership of their resilience. By moving the community into a "recovery" state pre disaster, the ECP empowers neighborhoods to craft culturally competent resilience action plans for the mitigation, preparedness, response and recovery phases of the disaster. At the core of this planning process is a cross sector cohort of neighborhood stakeholder organizations who guide their resilience investments and advocate for their program needs. During times of stress, this cohort leverages a decision-making platform called an ECP Neighborhood HUB that uses the Incident Command System (ICS) to identify the needs of the community and respond in a culturally competent manner.

Source: *NEN Hub*

## San Antonio, Texas

Below are the four facilities the City of San Antonio is recommending become pilot resilience hubs. These sites were selected based on facility amenities and location.

- Garza Community Center (1450 Mira Vista, San Antonio, TX 78228)
- Normoyle Senior Center (700 Culberson Avenue, San Antonio, TX 78225)
- Northeast Senior Center (4135 Thousand Oaks Drive, San Antonio, TX 78217)
- Southside Lions Senior Center (3303 Pecan Valley Drive, San Antonio, TX 78210)

Source: [\*Resilience Hubs | City of San Antonio\*](#)

## Austin, Texas

- The City of Austin is working with the Austin Independent School District (AISD), Travis County, and community partners to pilot six Resilience Hubs in Austin's Eastern Crescent, with plans to build a future network of Hubs to serve the greater community. By 2025, the team hopes to grow the network to 30 Hubs.

Source: [\*Austin Resilience Hub Network | AustinTexas.gov\*](#)

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## Houston, Texas

- The City of Houston, Texas's "Lily Pads" – envisioned as interconnected resource centers that provide neighborhood-specific safety nets while enhancing connectivity and capacity across communities. The city is examining specific functions, programming and conceptual design of select neighborhood sites (library, school, etc.) that can be retrofitted to serve as a resilience hub, and will then work to attract funds to designate, design and implement the Lily Pads across the city.
- In January of 2021, with support from J.P. Morgan Chase and in partnership with the City of Houston, RCC began piloting a two-year Resilient Neighborhoods Program in Kashmere Gardens. The goal of the program is to help neighborhood residents recover from the challenges of the last few years, while tackling chronic stresses, mitigating climate risks, and advancing key identified community priorities. This project is focused on the design and implementation of a Lily Pad, also known as a resilience hub, that will act as a physical space for residents to access services and resources before, during, and after emergencies, while also providing opportunities to foster broader connectivity within the community.

Source: <https://www.cdp.net/en/articles/cities/us-cities-undertaking-sustainable-infrastructure-projects-to-build-resilience>

<http://www.greenhoustontx.gov/resilience-hubs/>

<https://www.rcc.city/impact-kashmere-gardens-houston>

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## Orlando, Florida

- In April 2021, the city was awarded a \$2,850,000 grant by the State of Florida's Department of Economic Opportunity through HUD's Community Development Block Grant (CDBG) Mitigation General Infrastructure Program to transform six existing community centers into Resilience Hubs.
- This funding will allow enhancements to our community centers to include electrical upgrades, adding generators and improving HVAC systems to ensure these centers can serve as Resilience Hubs so that in the recovery phase of a hurricane, residents can use the facility to charge phones, access wi-fi, apply for benefits or contact loved ones. Furthermore, these facilities act as distribution centers for sandbags, water, food or other supplies and services for residents.
- These centers are already used year-round as neighborhood centers for community building activities, fostering greater community cohesion, building trust with local government and connecting neighbors.

*Source: [Transforming Community Centers into Resilience Hubs - City of Orlando](#)*

## Seattle, Washington

- City of Seattle seeks to pilot resilience hubs in South Beacon Hill and in the Duwamish Valley neighborhoods of South Park and Georgetown.
- Environmental and climate hazards are a high priority for community members, who are deeply concerned about air pollution, including worsened air quality from wildfires, extreme heat, and flooding from storms and sea level rise

*Source: [Seattle Plans Resilience Hub Program Expansion with Climate Change in Mind - The Urbanist](#)*

## Indianapolis, Indiana

- The City of Indianapolis, Indiana developed the city's first sustainability, mobility and energy Hub, using existing infrastructure. The city's Hub model is designed to be a one-stop shop for preparedness, mobility, and energy savings – providing the most vulnerable communities with invaluable resources and personnel. In addition to featuring a physical space for the neighborhood, city staff are exploring the possibility of an emergency backup power system through a combination of on-site solar energy and battery backup. The preliminary estimate for a small-scale combined solar/battery backup system is approximately US\$70,000.

*Source: [US cities undertaking sustainable infrastructure projects to build resilience - CDP](#)*

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## Medford, Massachusetts

- Following the publication of its "[Resilient Medford, Resilience Hubs](#)" report, the City of Medford, Massachusetts is acting on recommendations to create just and inclusive spaces for enhancing community resilience, in collaboration with frontline communities. Through this collaboration, the city is identifying programming and services for a pilot resilience hub, and will evaluate physical sites, assess potential retrofits to enhance sustainability and resilience of the facility and develop relevant business plans and agreements. Medford is also considering how some social services could be co-located or co-hosted within a resilience hub.
- Through a 6-month community process, project teams sought answers to key questions to inform the creation of "Resilience Hubs" in Medford, including: What do our residents need in order to be most prepared? What do our community provider organizations need to do their work in emergencies? How can we work together to support our residents?- <https://www.medfordma.org/departments/health-department/resilience-hubs>

*Source: [US cities undertaking sustainable infrastructure projects to build resilience - CDP](#)*

## Cambridge, Massachusetts

- Cambridge Community Center works to effectively and efficiently meet the evolving needs of youth, families, and seniors living Cambridge, Massachusetts and its surrounding programs with innovative services and programming. The site currently serves as a Resilience Hub and is a leader within the Resilience Hub Community of Practice.

*Source: [USDN resilient hubs](#);*

*Video: <https://youtu.be/9NnWf-k3iao?si=dnFcmzYibYVlIK4G>*

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## PLANS



