Building Resilient Rural Communities

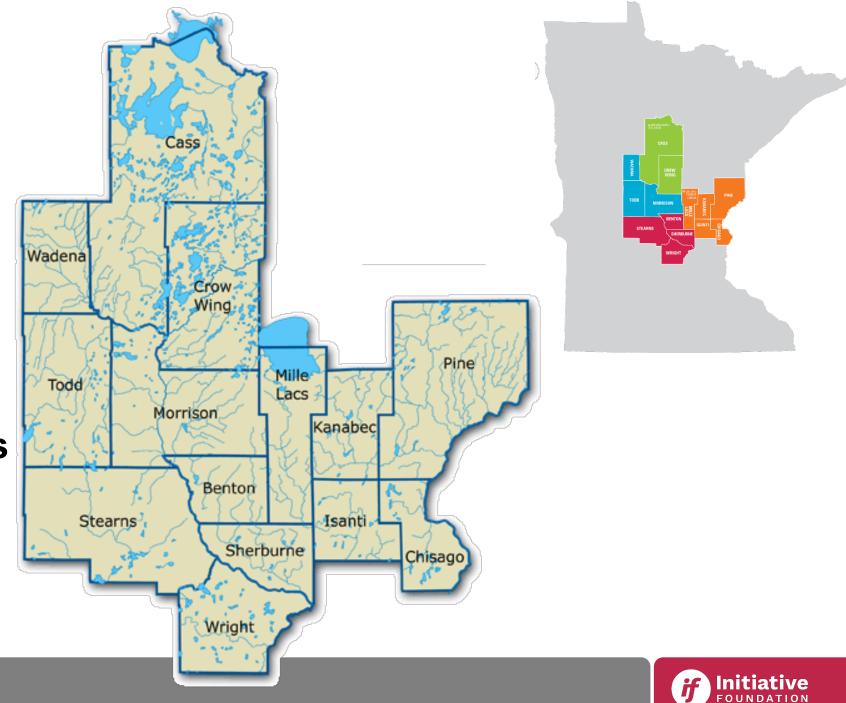
WELCOME



September 23, 2025

Serving the Region Since 1986

- 780,000 residents
- 12,000 square miles
- 163 communities
- 14 counties
- 2 Native nations



OUR MISSION

To empower people throughout Central Minnesota to build a **thriving economy**, **vibrant communities** and a lasting **culture of generosity**.

OUR VISION



Economy:

We have an abundance of talented people and job-creating enterprises that contribute to economic growth and vitality.



Community:

We are a region of robust, highly engaged communities where people choose to live, work, give and play.



Generosity:

People across our region give generously of their time, talent and resources.





Resilient

Ability to adapt and thrive in the face of challenges and adversity.



Community Resilience

 Capacity of a community to prepare for, withstand, and recover from adverse events.

 Ability to bounce back from setbacks, maintain social cohesion, and effectively navigate difficult times.



Why Community Resilience Matters

Growing threat of extreme weather which can impact:

- Water systems
- Energy grids
- Local economy
- Community members



Extreme Weather

- How has extreme weather already impacted your community?
- What challenges have you or your community experienced in preparing for or responding to these events?



What can we do to help build community resiliency?

Integrated Systems

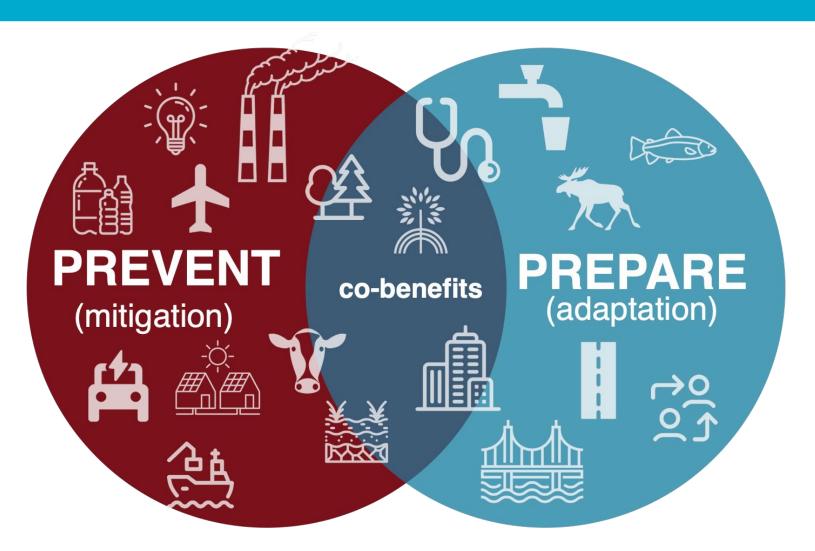
- Community
- Energy
- Water

Strengthen relationships between different sectors

- Community education & engagement
- Strengthen local infrastructure
 - power, water, transportation
- Support vulnerable populations
- Emergency communication plans



Mitigation & Adaptation



Mitigation:

preventing climate change by reducing emissions

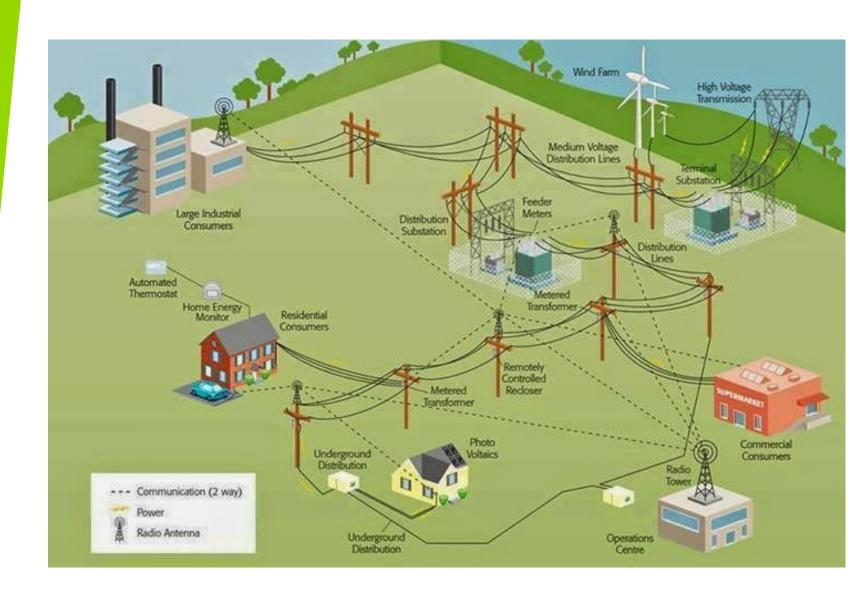
Adaptation:

preparing for impacts of climate change

Role of a healthy watershed



Electrical Grid



Resilience Hubs

"Resilience hubs are energy efficient, community-serving places that have the resources and connections needed to support community members both in moments of crisis and in the everyday."

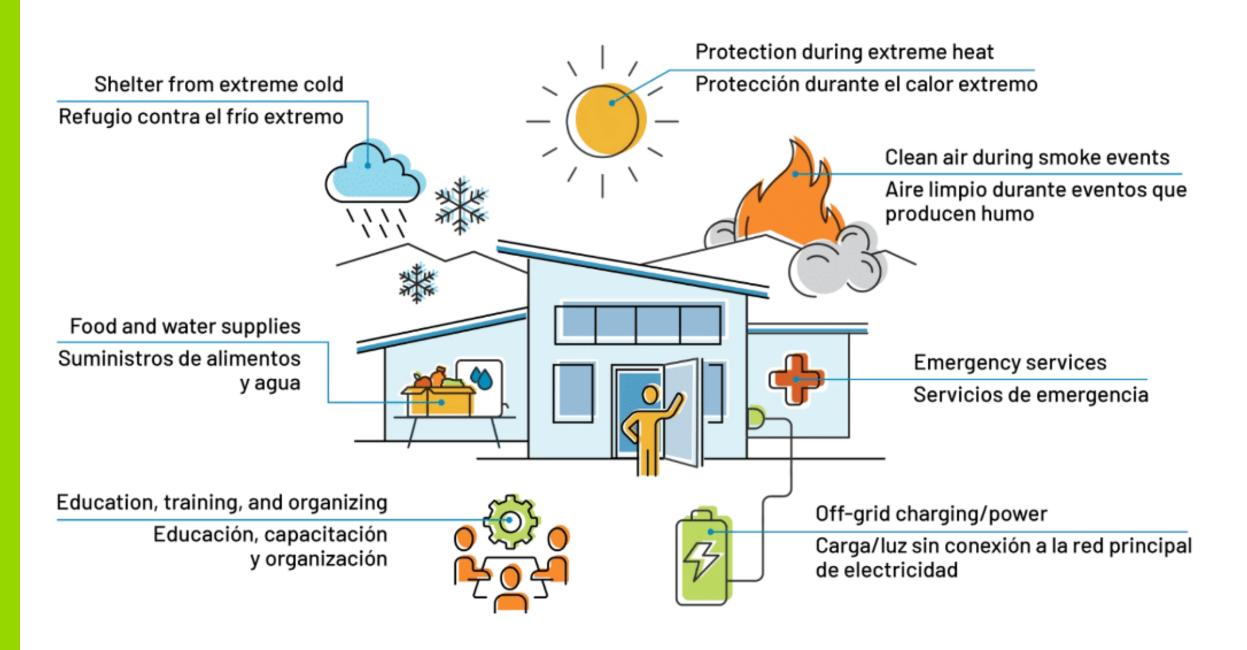
~ Minnesota Interfaith Power & Light



Key Features



- Cooling/warming centers
- Communications
- First aid stations
- Food/water storage
- Accessible & welcoming



Resilience Hubs

	NORMAL/STEADY STATE ("BLUE SKIES")	DISRUPTION	RECOVERY
PROGRAMMING	Promote community preparedness, wellbeing, economic vitality, trust-building.	Meet community needs: refrigeration, charging, information, medical supplies, communications, etc.	Support long-term recovery. Operational base for residents.
RESILIENT DESIGN	Physical space accommodates programming.	Resilient building withstands extreme weather and accommodates peak programming demand.	Include necessary spaces to meet new recovery programming and planning, in addition to steady state activities.
OPERATIONS	Personnel and resources to support programs.	Enhanced personnel, augmented by volunteers. Government agencies coordinate relief efforts and distribute emergency supplies through the hub.	Prepare for a second wave of disruption or support a return to steady state.
COMMUNICATION	Consistent communications, build presence and trust.	Facilitates emergency communications through trusted community channels; partners with government.	Facilitate community planning and communication about recovery.
POWER	Solar and battery storage reduces utility costs, reduces emissions, and may provide energy grid support.	Resilience hub can "island" to provide back-up power.	Reconnect to the grid, resume normal power operations.

Credit: Department of Energy & Environment, n.d.

Community Resilience Hub

- Identify a potential location in your community.
- What features would it include?
- Who would it serve?
- Who needs to be at the planning table?



Community Mapping

Community Mapping: Seeing the Full Picture

Identify various aspects of your Community

 Places, people, organizations, services, needs

Highlight

- Strengths (what's working well)
- Challenges (gaps and needs)



Vulnerability Mapping

Identify vulnerable populations

- Limited mobility
- Elderly
- Language
- Mobile homes



Focus on Strengths & Resources your Community already Has



Asset Mapping: Building from Strengths



Community

Asset Mapping

Community Strengths & Needs

Identify where assets intersect with needs

Look for Proximity Opportunities

 May be able to address some needs with these assets

Identify Gaps with no nearby assets

These may need external support





THANK YOU!

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Resources

Resilience Hubs

- Co-creating climate resilience hubs for MN communities | UMN Climate Adaptation Partnership
- Resilience Hubs Minnesota Interfaith Power & Light
- Resilience Hubs USDN: Urban Sustainability Directors Network
- Resilience Hub Collaborative
- What is a Community Resilience Hub? Future of Small Cities Institute
- <u>USDN_ResilienceHubsGuidance-1.pdf</u>
- Resilience Hubs | Build Resilient Communities Today Climate Resilience Consulting | Adaptation
 Strategy & Resilience Planning Services
- West Street Recovery West Street Recovery
- Resilience Hubs Support Communities Across the U.S. | Homeland Security
 - o Resilience Hubs Across the U.S.

Community Mapping, Engagement, Project Design

- The Community Mapping Toolkit | Rethink the Village
- Community Co-Design | Destination Medical Center
- Home Page | Kansas Leadership Center



HOW TO BUILD A CORSI-ROSENTHAL BOX

The Corsi-Rosenthal Box is an affordable DIY air-cleaning system made with simple materials found in hardware stores. The box fan pulls air through the filters on the sides and blows out clean air. It is proven to reduce indoor exposure to airborne particles, including those containing the virus that causes COVID-19. The box can also decrease the levels of other particles in the air, such as dust or wildfire smoke.

