

Clean Energy Resource Team (CERTs) appropriation: HF2032

Testimony to the House Climate and Energy Finance and Policy
Committee

March 1, 2023

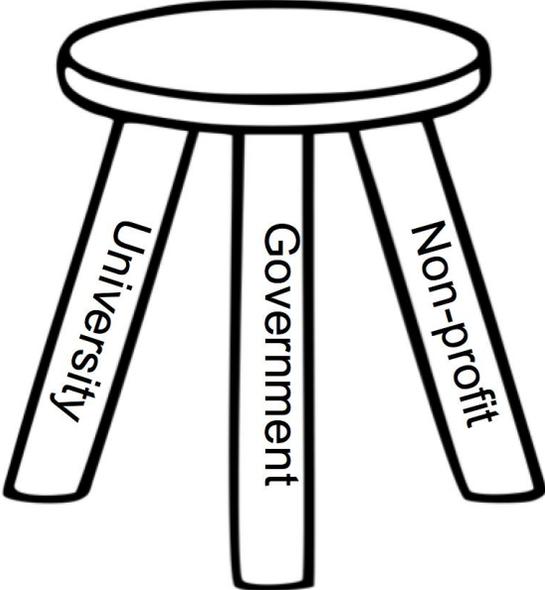
Lissa Pawlisch and Diana McKeown

CERTs is a Statewide Partnership



Regional Sustainable
Development Partnerships

UNIVERSITY OF MINNESOTA
EXTENSION



**GREAT PLAINS
INSTITUTE**

Better Energy.
Better World.



Helping Minnesotans build clean energy



MISSION

We connect individuals and their communities to the resources they need to identify and implement community-based clean energy projects



We work across Minnesota



STAFF

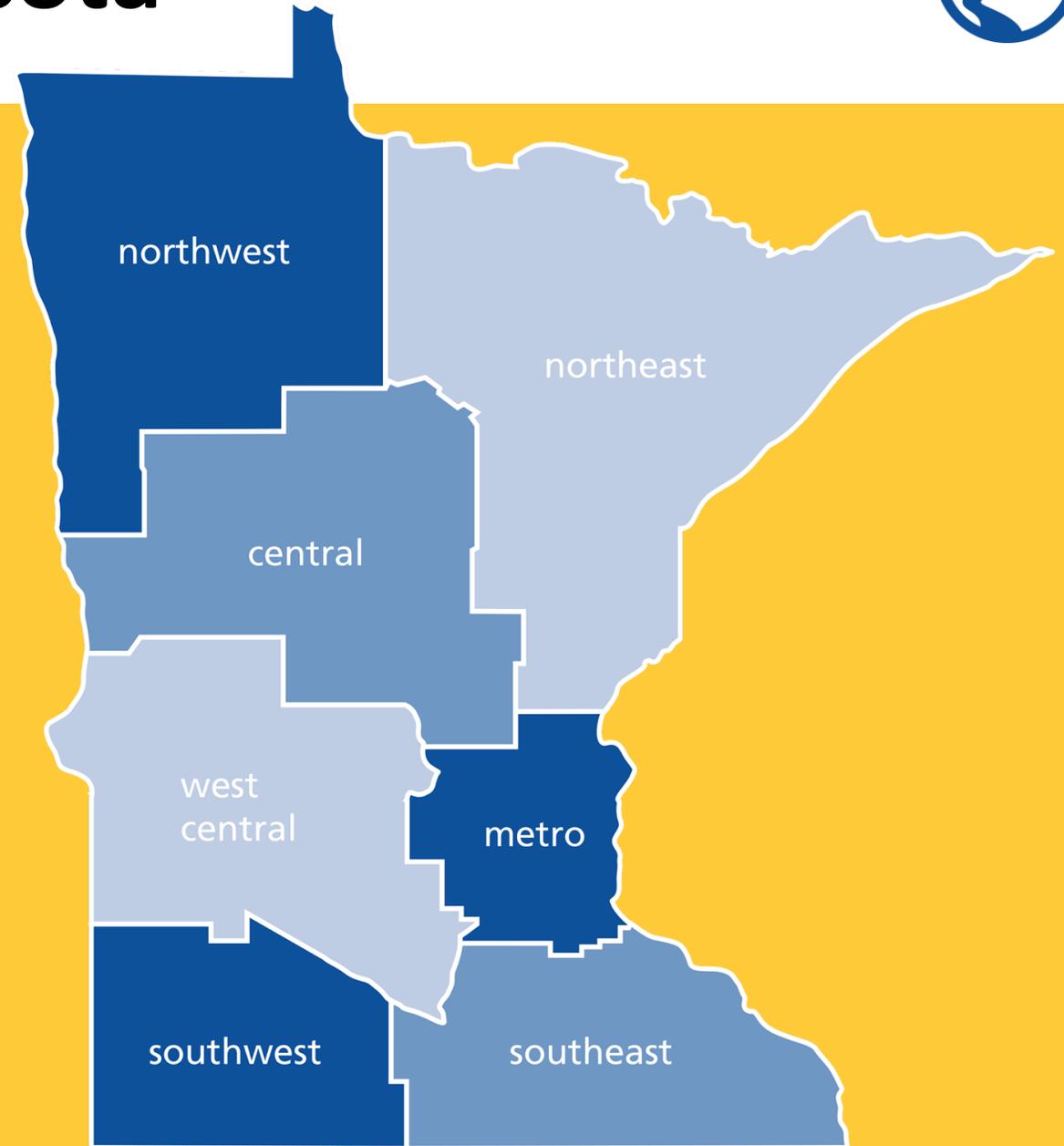
Regional coordinators and statewide support

STEERING COMMITTEES

One per region; governing body for regional team

REGIONAL TEAMS

Anyone can join; broad range of skills, interests, and backgrounds



What does CERTs do?



- Meet people where they are
- Connect people to tools, guides, & templates
- Provide direct technical assistance
- Convene peer networks & workshops for shared learning
- Provide seed funding
- Document stories

Inflation Reduction Act: Resident Energy Resources

+ **Manufactured Homes + Energy Star**



+ **Residents + Electric Vehicles (updated)**



+ **Residents + Energy Assessments**



+ **Residents + Energy Efficiency Rebates (Coming in 2023)**



+ **Residents + Energy Efficiency Tax Credits**



+ **Residents + Heat Pumps**



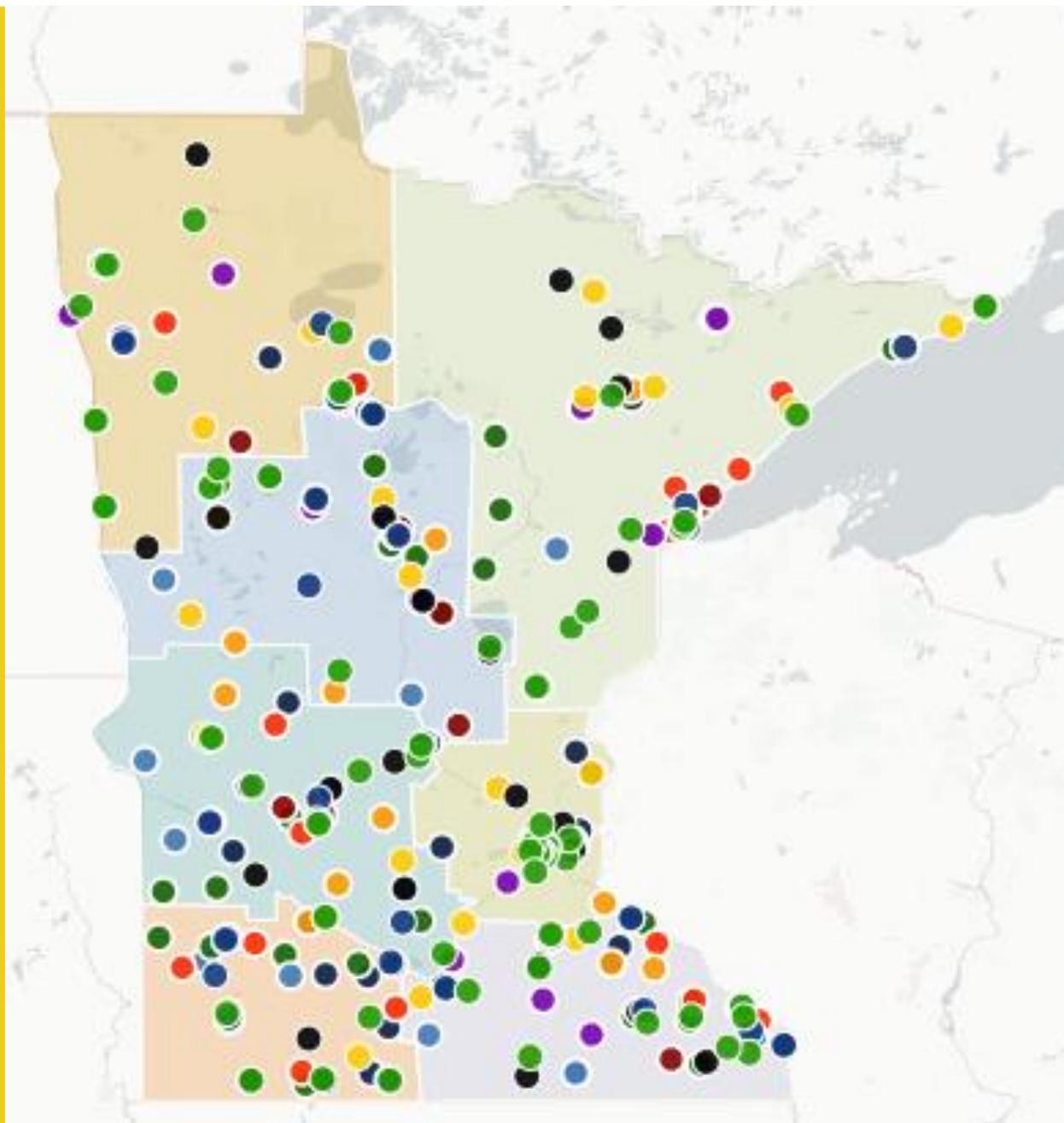
+ **Residents + Solar**



Visit the guide: on.mncerts.org/IRA



**get ready for a
clean energy
ribbon cutting
in your
community**

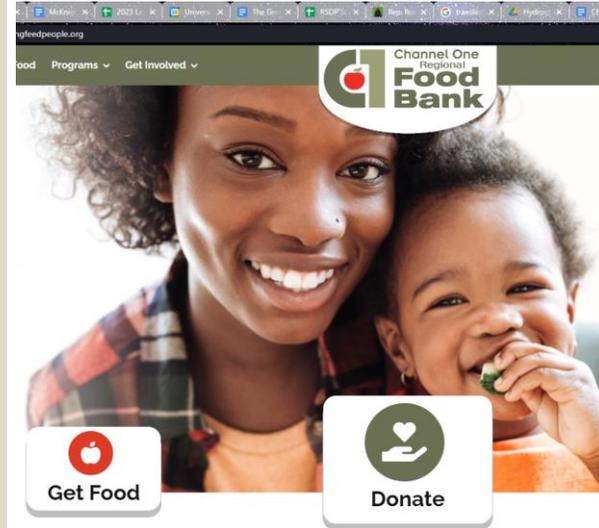


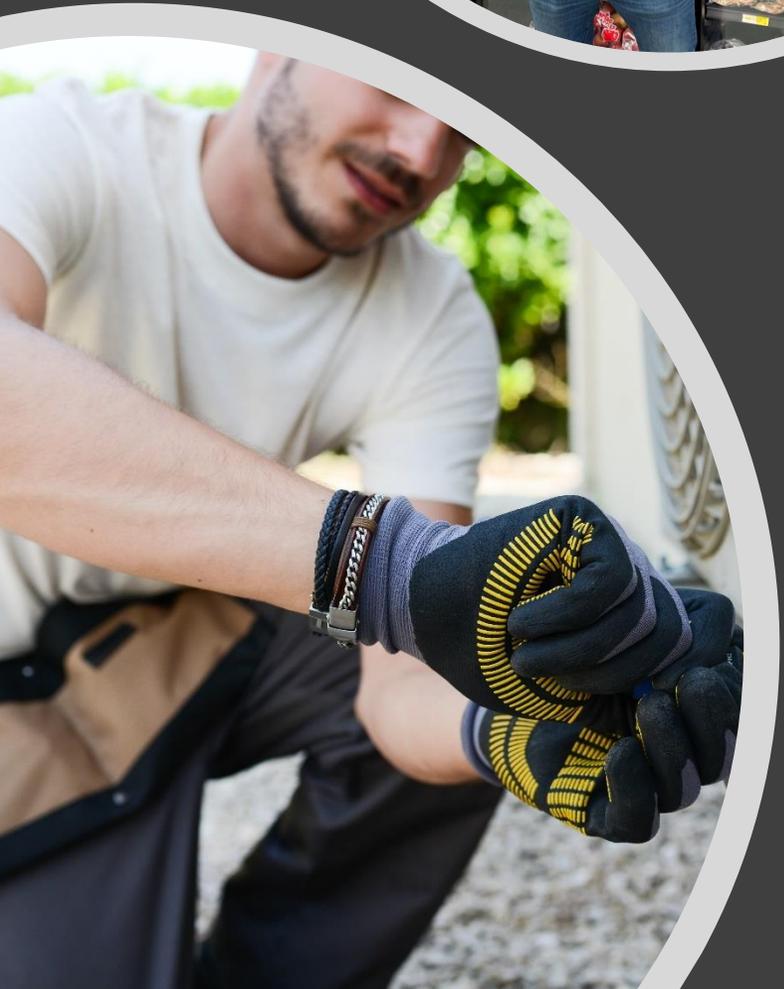
Example: Channel One Food Bank & Hometown Resource Center



Neighbors United Resource Center Food Shelf

Monthly Energy Saving Challenges -
January 2023
Save Energy (and Money!) On Your Heating Bill





A sampling of programs & community partnerships



Focus on Manufactured Housing Park Residents



Home Energy Guides



- Single Family Homes
- Manufactured homes
- Renters
- Landlords
- Multiple languages



Air Source Heat Pump Resources



Heat and Cool with Air Source Heat Pumps

Air source heat pumps use electricity to heat and cool.

- They work like air conditioners to cool, and work in reverse to move warmth from outside air into your home to heat.
- They heat homes up to three times more efficiently than forced air and electric resistance heating systems.

Two Setups: Ductless or Central
WHICH IS THE BEST FIT FOR YOUR MINNESOTA HOME?

DUCTLESS / MINI-SPLITS
Ductless air source heat pumps don't require ductwork. There is at least one outdoor condenser connected to one or more indoor air distribution units. Indoor units are typically mounted on the wall, floor, or ceiling. Individually-controlled indoor units allow for zoned conditioning — maximizing savings and comfort.
INSTALLED COST: \$3,000–18,000, depending on number of indoor/outdoor units

GOOD FIT WHEN:

- Already heating with radiators, in-floor, or electric baseboard.
- Getting rid of window A/C units.
- Adding heating/cooling to unconditioned areas of your home.

CENTRAL / DUCTED
Central heat pumps can use the existing furnace fan and ductwork to move heated and cooled air throughout your home. Unlike central A/C units, central heat pumps provide heating and cooling from a single system.
INSTALLED COST: \$4,500–15,000

GOOD FIT WHEN:

- Already heating with forced air (with ductwork in place).
- Replacing central A/C or adding it for the first time.

HOW IT WORKS

HEATING SEASON
Heat pump extracts heat from outside air and moves it indoors to heat your home.

COOLING SEASON
Heat pump extracts heat from your home and moves it outside to cool your home.

CONTACT YOUR ELECTRIC UTILITY PROVIDER
Learn about your electric utility's rebates, rate options, and requirements around participating or qualified contractors.

GET 2-3 BIDS FROM SKILLED CONTRACTORS
If your utility doesn't have contractor requirements, visit MN ASHP Collaborative Preferred Contractor Network: mnashp.org/preferred-contractor-network-homeowners

ASK CONTRACTORS THE RIGHT QUESTIONS
Beyond checking whether they are insured and licensed, ask them to calculate your home's heating and cooling load. Other questions to ask will vary depending on what you want out of your heat pump (cooling, heating, both). Visit our website for more questions to consider.

CleanEnergyResourceTeams.org/ASHP



1. Things I learned about heat pumps: a homeowner's perspective
2. Finding success with air source heat pumps in cold climates
3. A family's journey to decarbonize their home



**Heat pump advice:
FEBRUARY 2023
PROPANE HEAT + DUAL
FUEL ELECTRIC RATES**

Renewable Energy for Greater Minnesota



Rural businesses and farms can get assistance from CERTs:

- Solar site assessments and financial models
- Application support for grants like USDA Rural Energy for America Program (REAP)
- Information on federal tax credits, depreciation
- Financing opportunities like Property-Assessed Clean Energy (PACE)



Renewable Energy
for **Greater Minnesota**

Electric Vehicles: Greater Minnesota focus





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