

Municipal Electric Utilities in Minnesota

Presented by
Minnesota Municipal Utilities Association



Largest Municipals in Minnesota

Rochester (48,219)

Moorhead (16,712)

Shakopee (16,139)

Austin (12,432)

Anoka (11,818)

Owatonna (11,302)

Alexandria (9,555)

Elk River (9,207)

Chaska (9,444)

Willmar (9,223)

Hibbing (8,173)

Brainerd (7,824)

New Ulm (7,028)

Hutchinson (7,027)

Grand Rapids (6,942)

Detroit Lakes (6,585)

Marshall (6,505)

North St. Paul (6,349)

Fairmont (6,004)

Buffalo (5,377)

By number of customers in 2010

Typical Municipals in Minnesota

73% (90) have fewer than
2,500 customers

40% (48) have fewer than
1,000 customers

Smallest Municipals in Minnesota

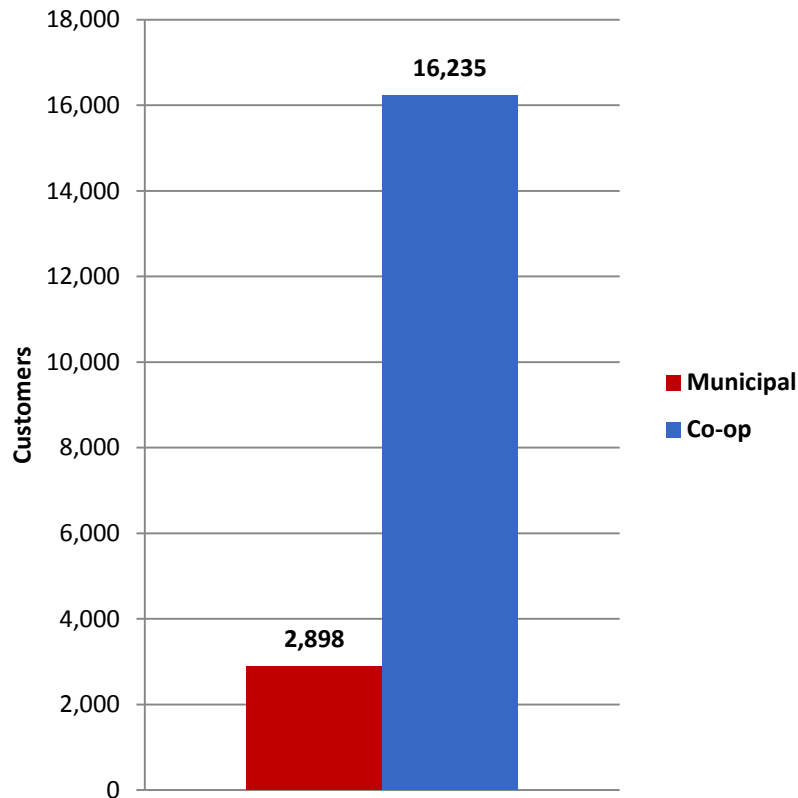
Whalan (42)	Rushmore (212)
Nielsville (57)	Newfolden (218)
Alpha (76)	Alvarado (248)
Dunnell (117)	Round Lake (255)
Bigelow (131)	Brewster (259)
Peterson (154)	Randall (353)
Eitzen (152)	Halstad (351)
Ceylon (214)	Kasota (342)
Shelly (153)	Brownton (388)
Kandiyohi (252)	Stephen (392)

By number of customers in 2010

Municipal and Co-op Size Comparison

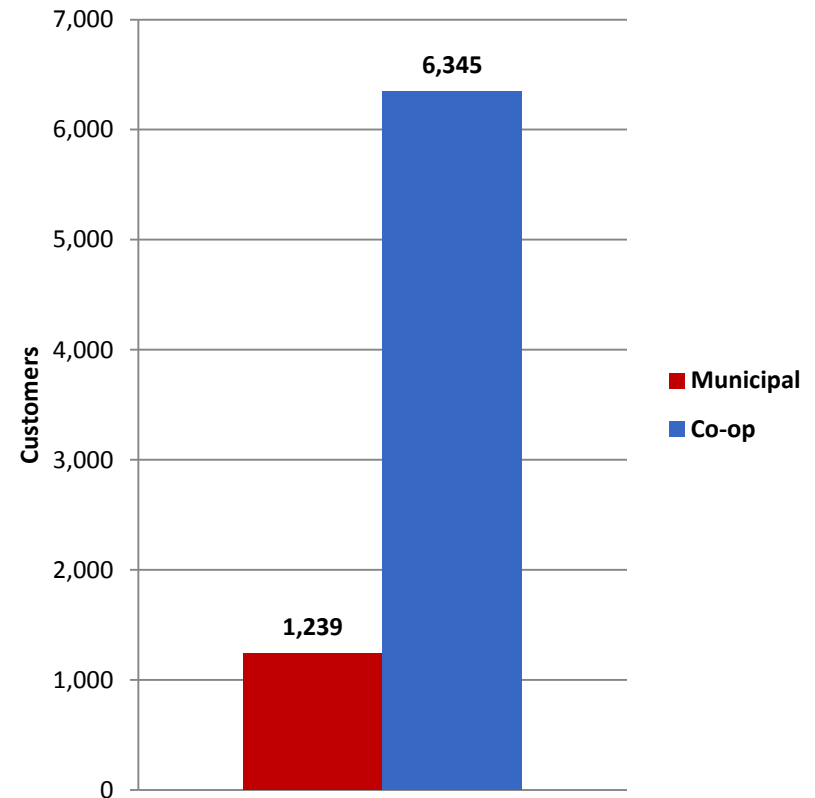
Average

Municipal vs. Average Co-op

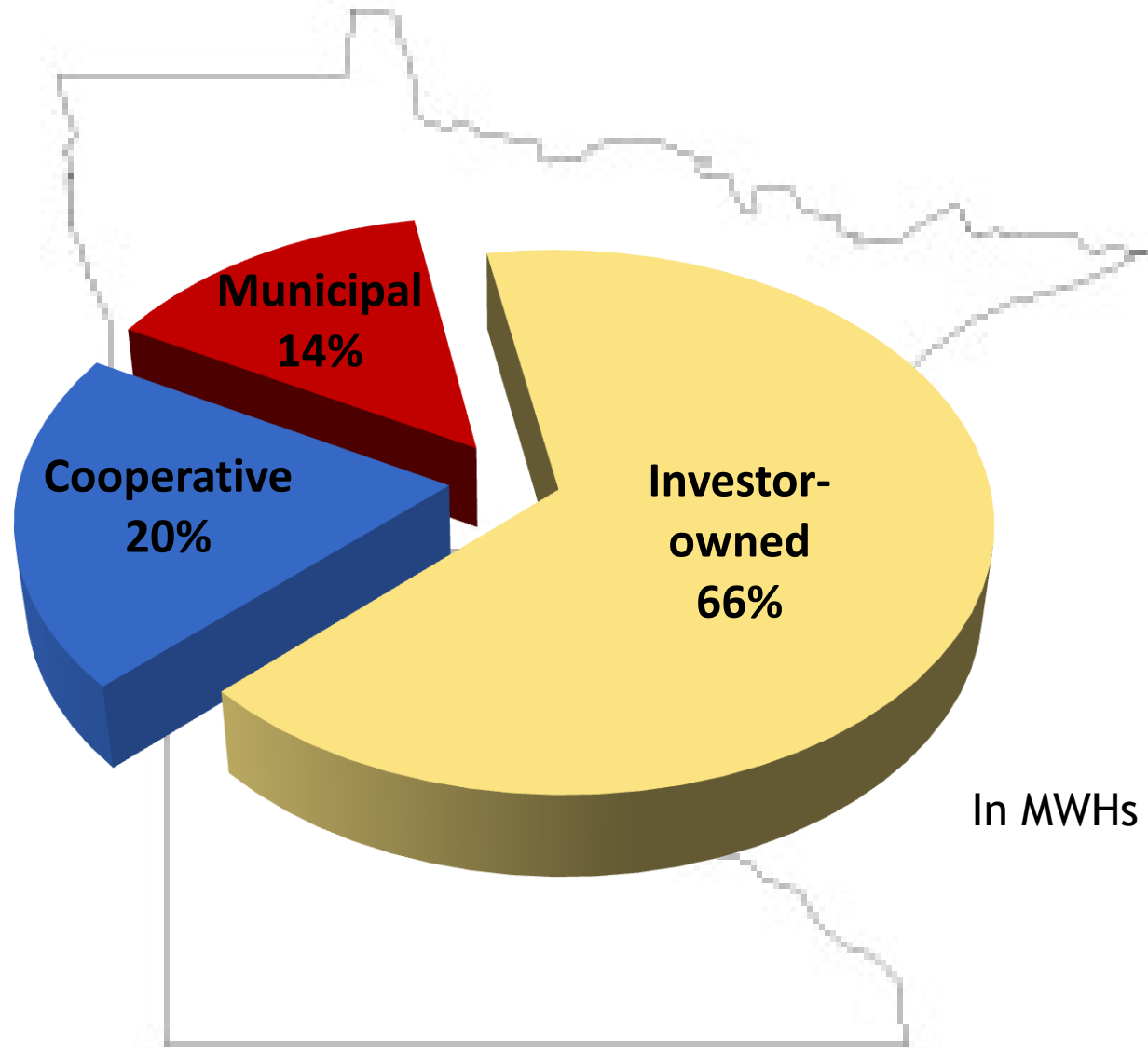


Median

Municipal vs. Median Co-op

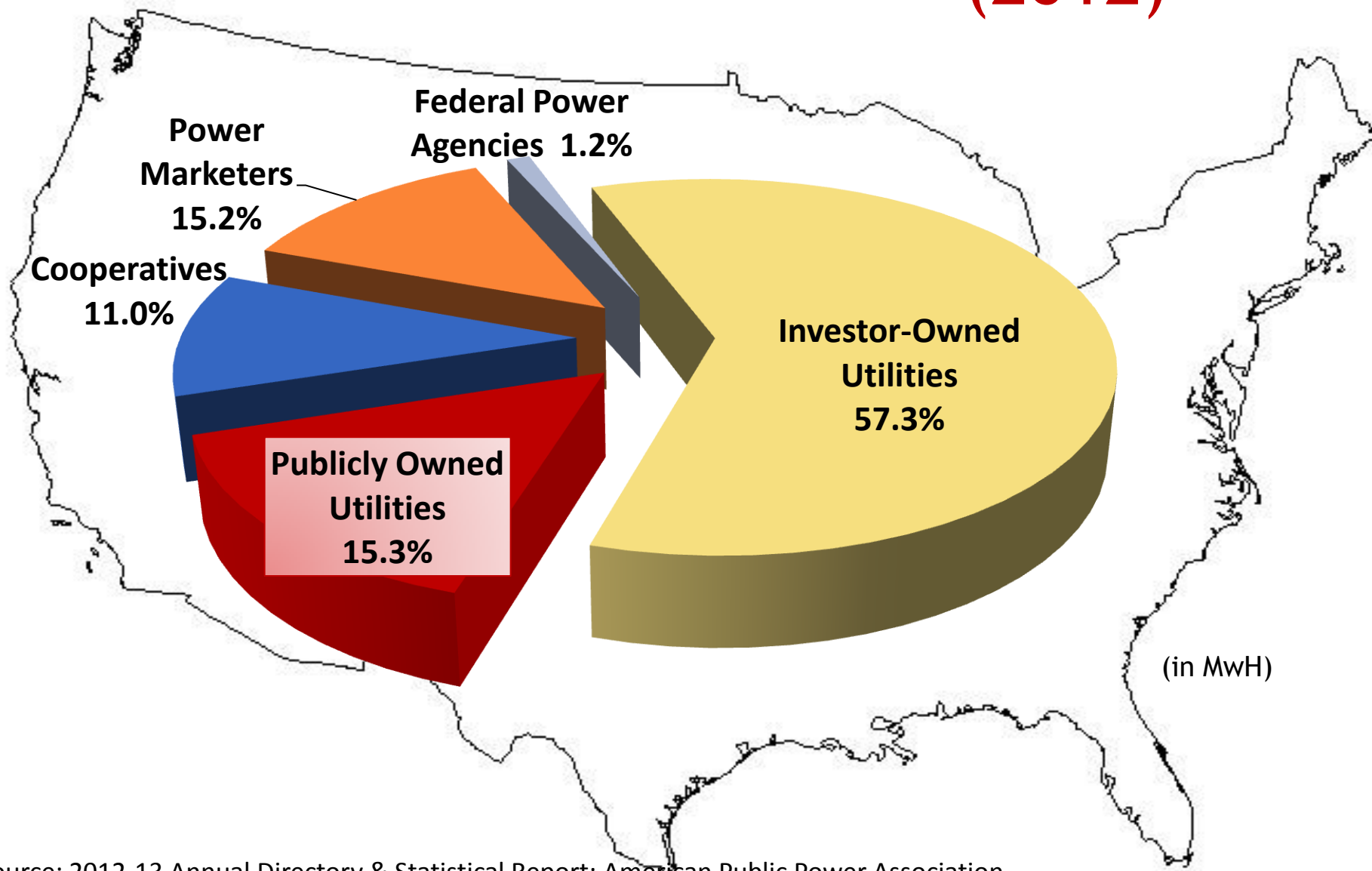


Minnesota Electric Sales by Sector (2007)

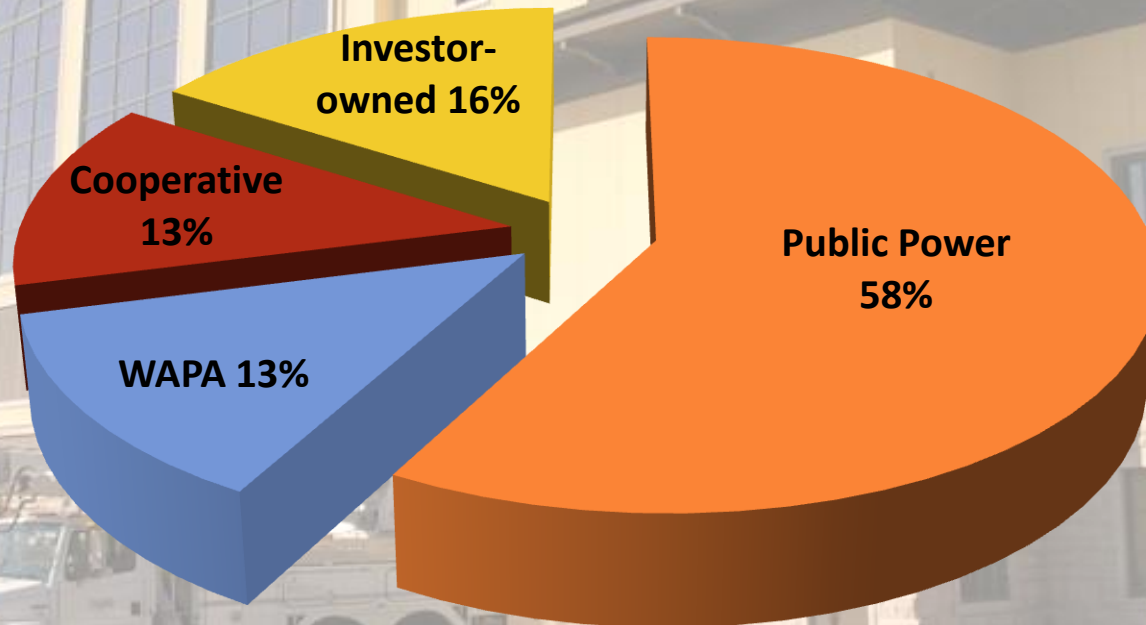


Source: 2007 Minnesota Utility Data Book; Minnesota Department of Energy Security

U.S. Electric Sales by Sector (2012)



Wholesale Power Suppliers for Minnesota Municipals

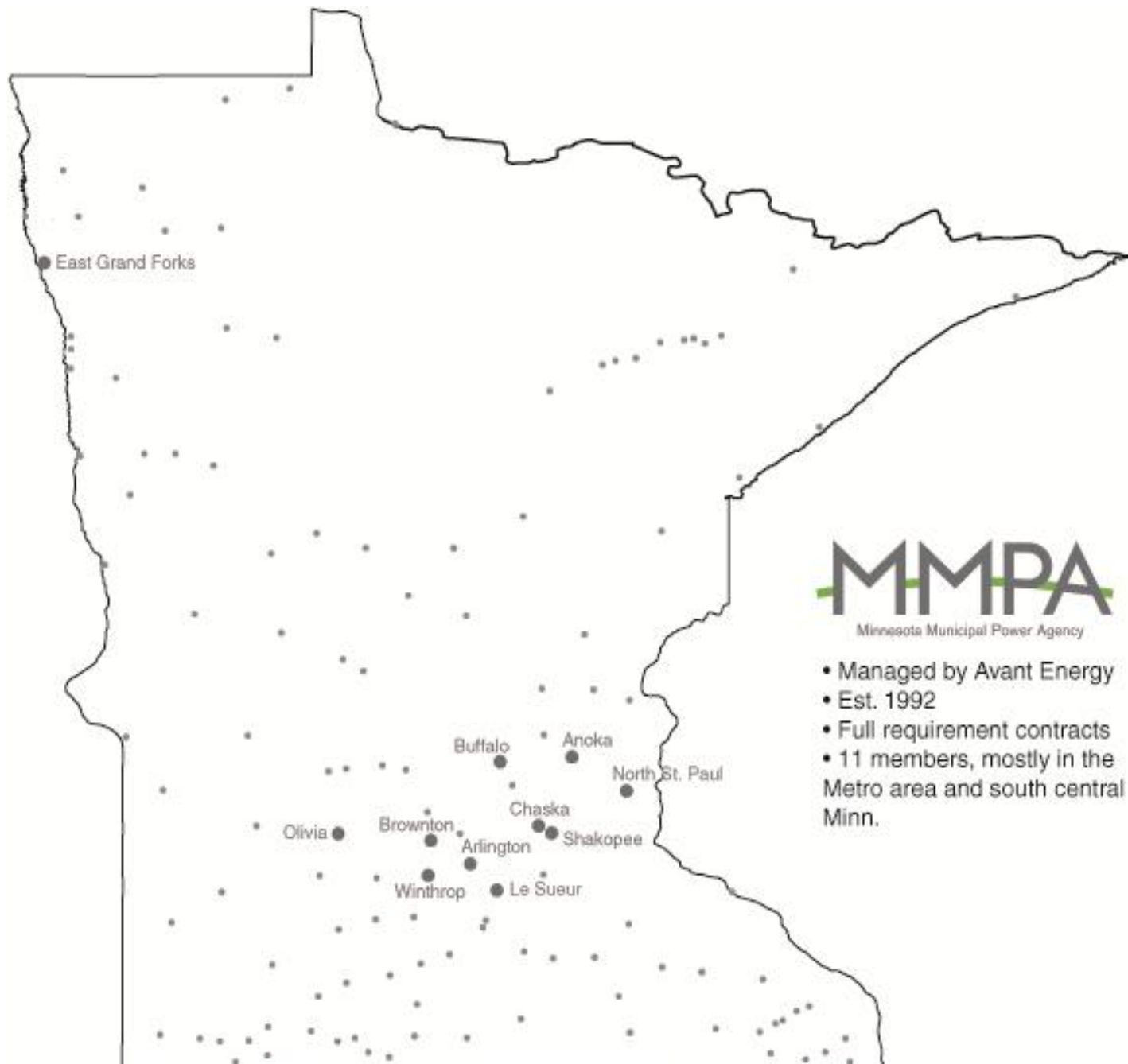


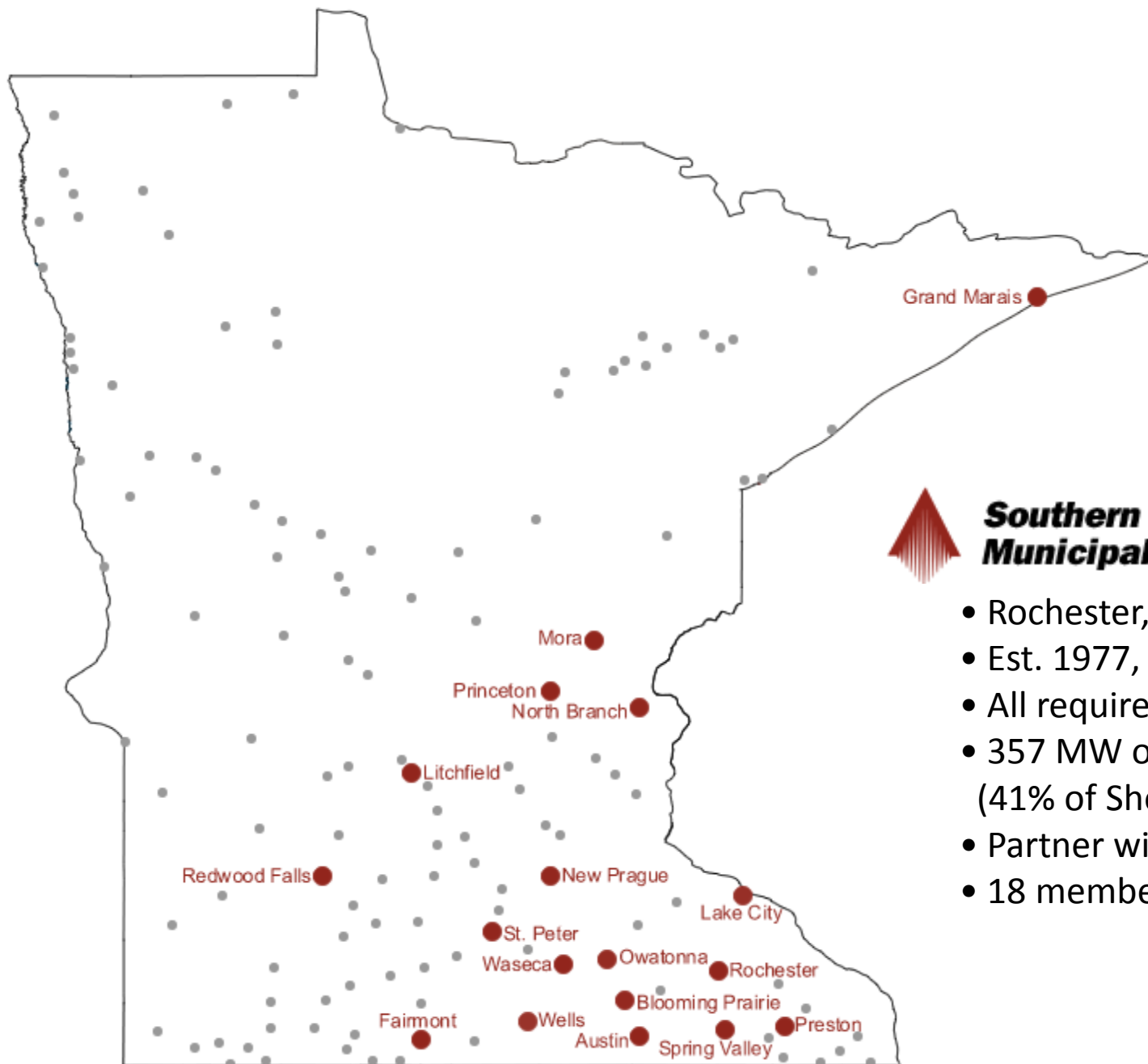
Source: MMUA

Minnesota Municipal Power Agency's Faribault Energy Park

Municipal Power Agencies

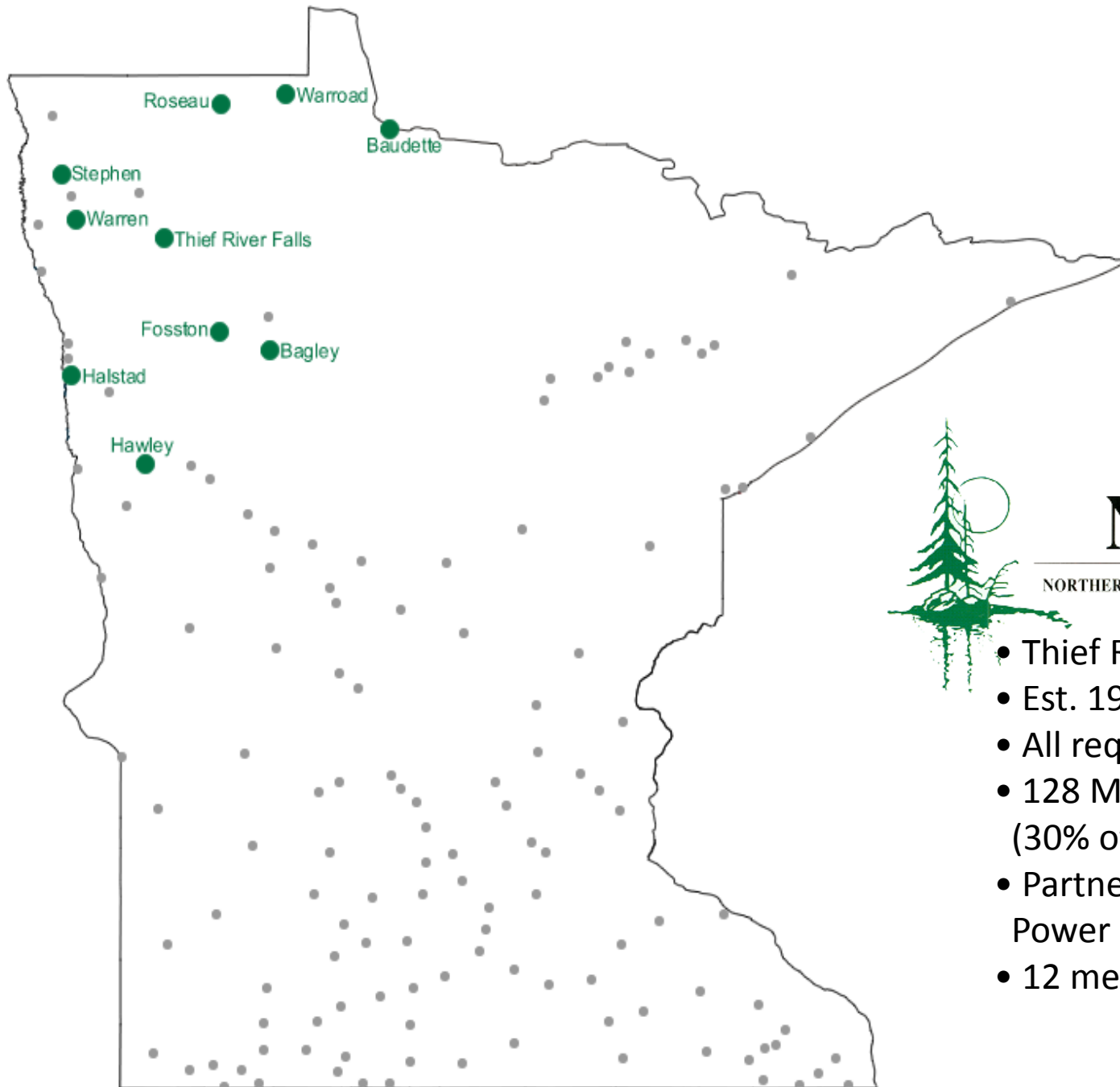






Southern Minnesota Municipal Power Agency

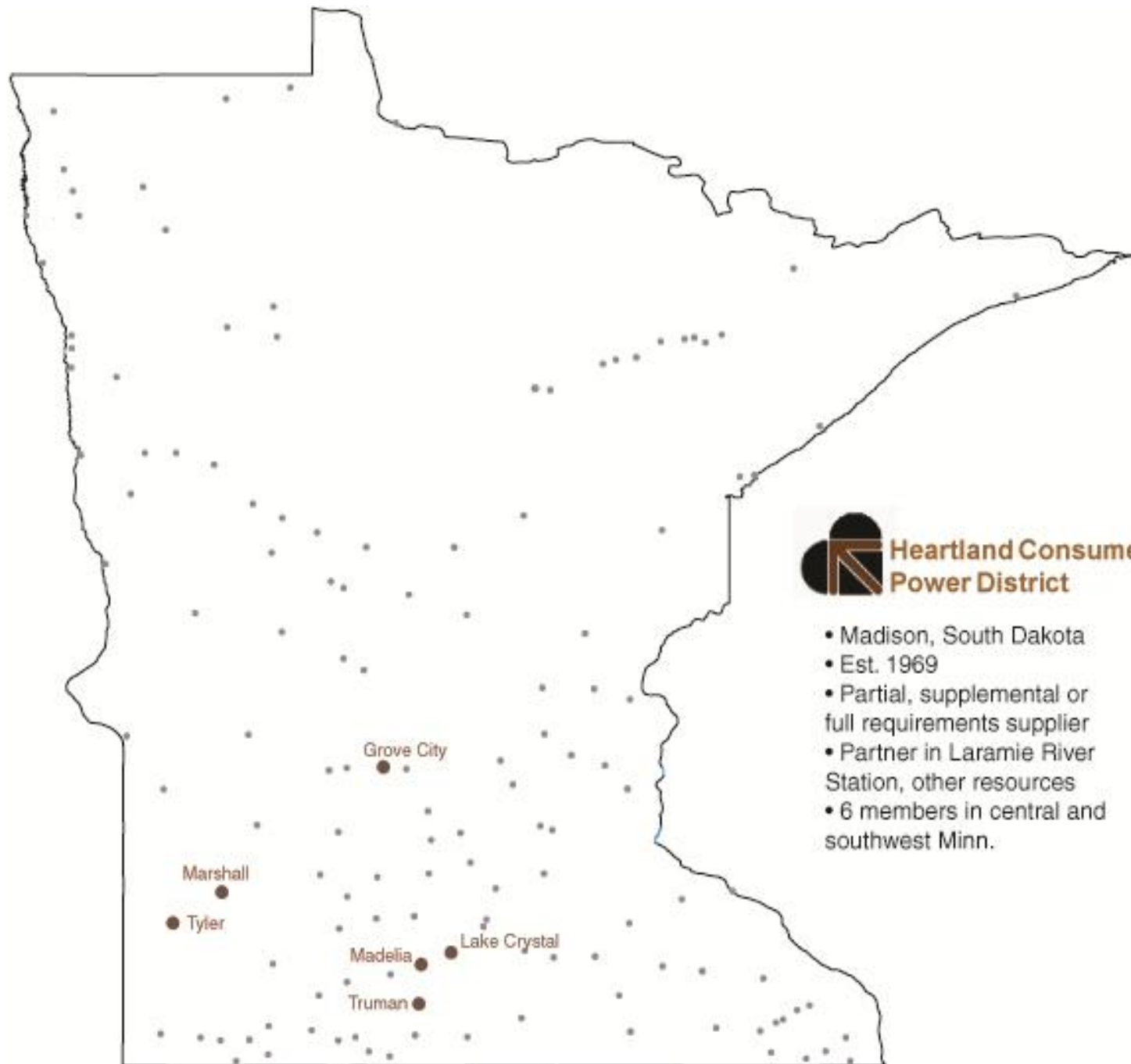
- Rochester, MN
- Est. 1977, 36 employees
- All requirements contracts
- 357 MW of generation
(41% of Sherco III Plant)
- Partner with NSP
- 18 members



NMPA

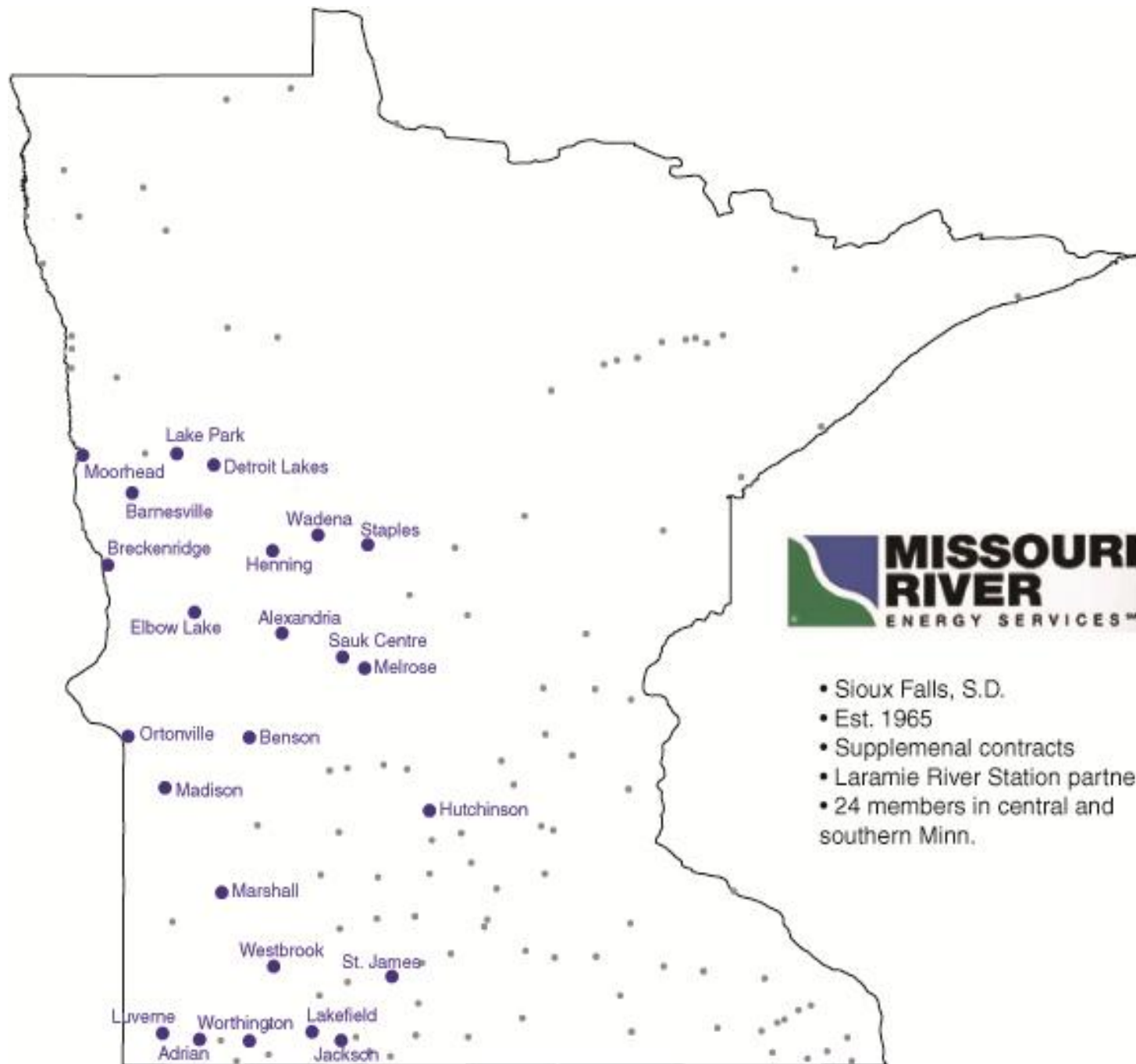
NORTHERN MUNICIPAL POWER AGENCY

- Thief River Falls
- Est. 1977, 3 employees
- All requirements contract
- 128 MW of capacity (30% of Coyote Plant)
- Partner with Minnkota Power Cooperative
- 12 members, 10 in NW MN



Heartland Consumer Power District

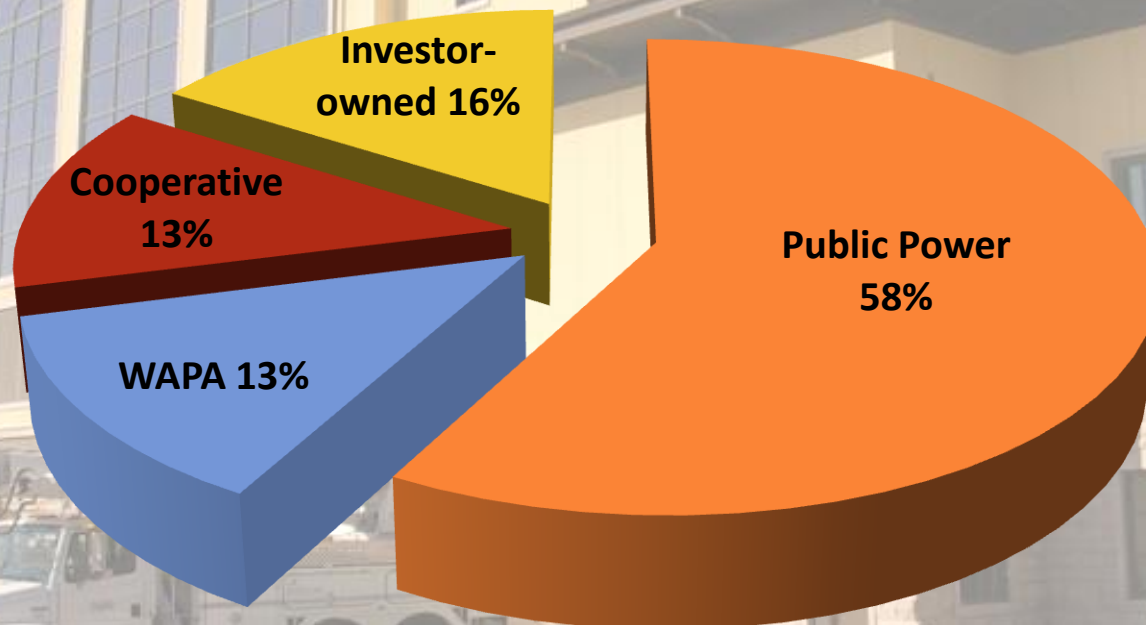
- Madison, South Dakota
- Est. 1969
- Partial, supplemental or full requirements supplier
- Partner in Laramie River Station, other resources
- 6 members in central and southwest Minn.



- Sioux Falls, S.D.
- Est. 1965
- Supplemental contracts
- Laramie River Station partner
- 24 members in central and southern Minn.

Wholesale Power Suppliers for Minnesota Municipals

Minnesota Municipal Power Agency's Faribault Energy Park



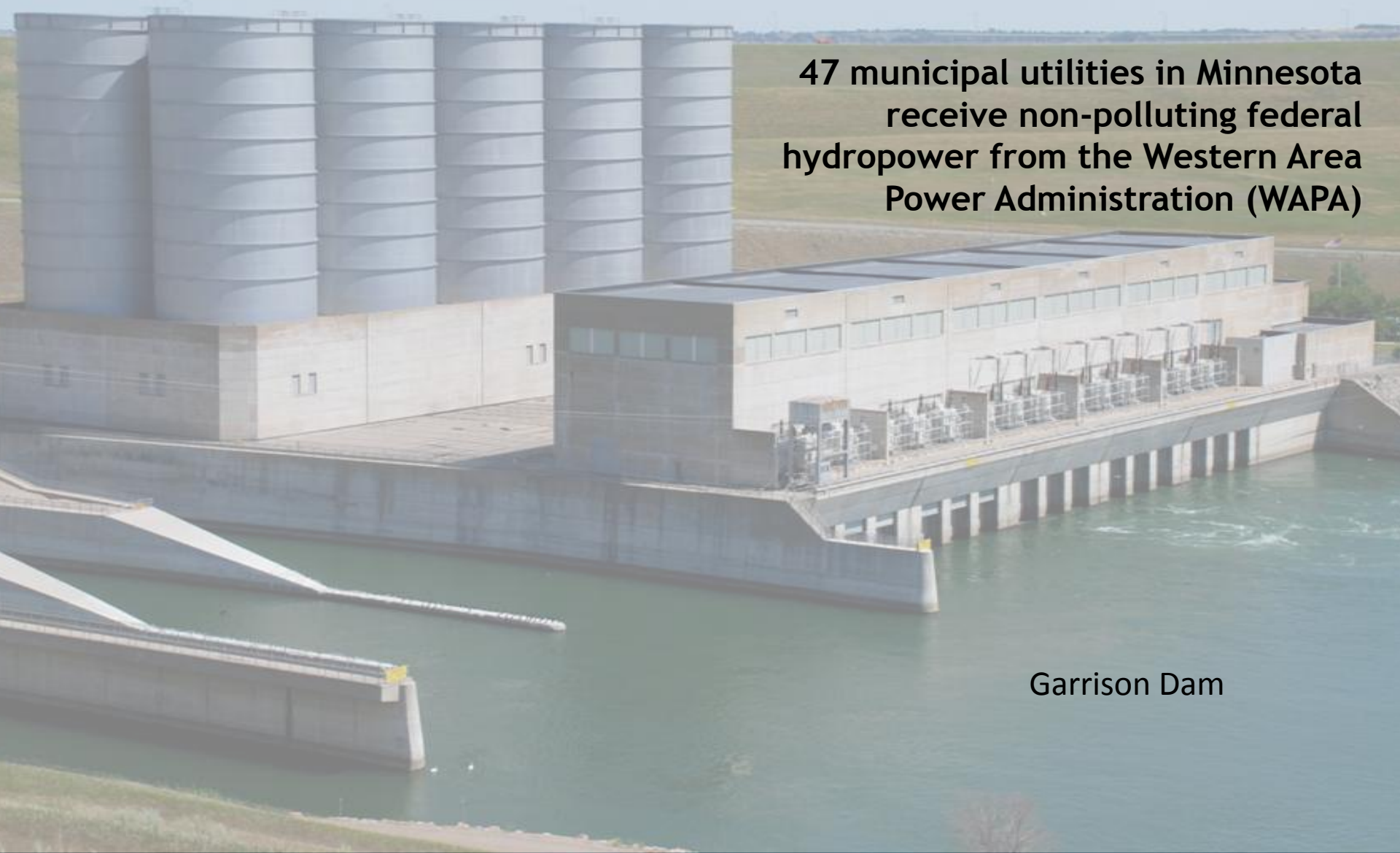
2008

Source: U.S. EIA, Form EIA-861, "Annual Electric Power Industry Report."

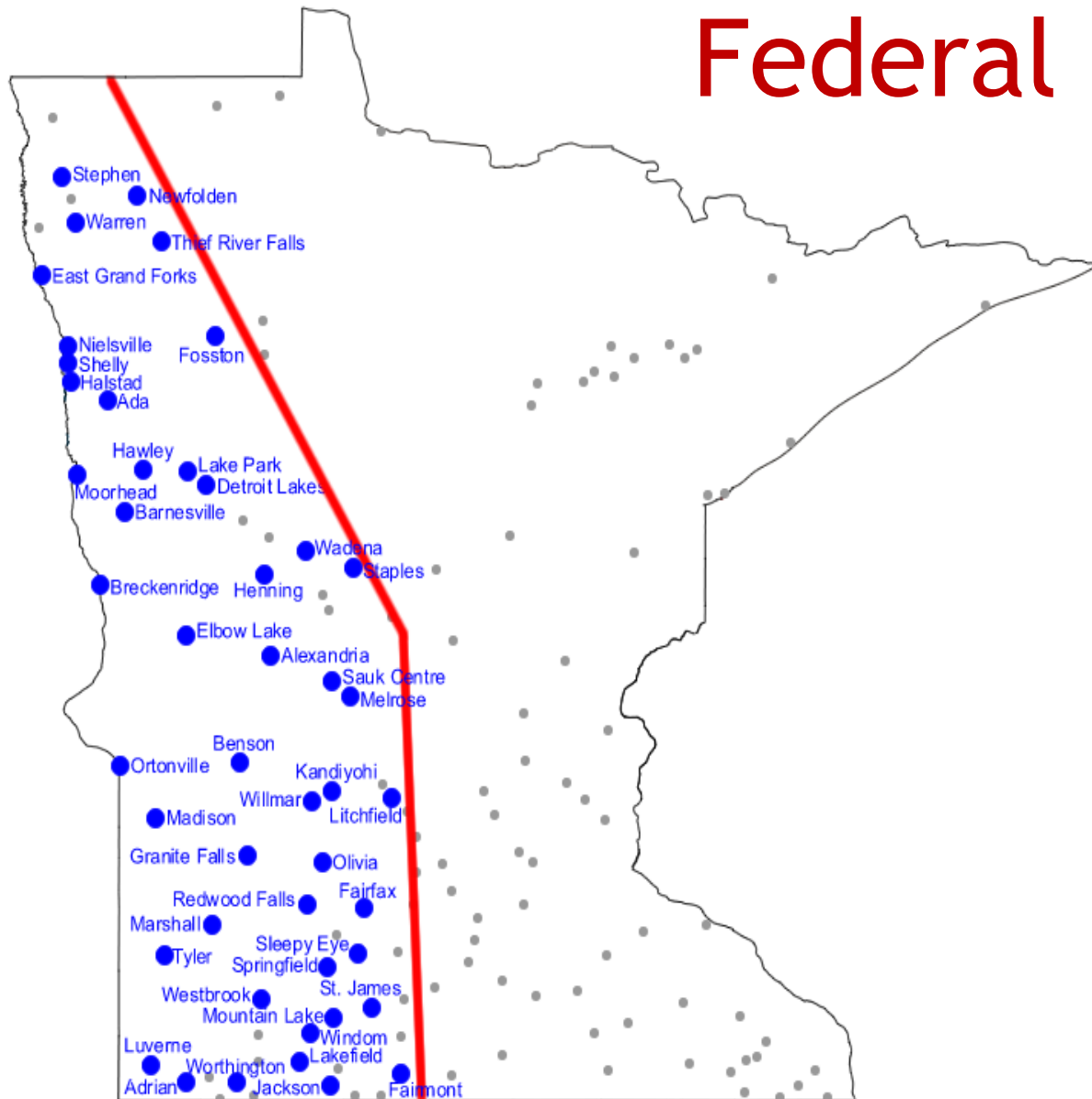
Federal Hydropower

**47 municipal utilities in Minnesota
receive non-polluting federal
hydropower from the Western Area
Power Administration (WAPA)**

Garrison Dam



Federal Hydropower



47 Municipal
Recipients of
Federal
Wholesale
Power

Renewable Energy

Minnesota Renewable Energy Standard (RES)

7% by 2010 ✓
12% by 2012 ✓
17% by 2016
20% by 2020
25% by 2025

Renewable Energy

Large Public Wind Power

Wapsipinicon Wind Farm (100 MW)

Rugby Wind Farm (40 MW)

Odin & Marshall (38 MW)

Renewable Energy

Small Public Wind Power Communities

Anoka
Brownton
Buffalo
Chaska
Arlington
Le Sueur

North St. Paul
Olivia
Shakopee
Winthrop
East Grand
Forks

Fairmont
Redwood Falls
Moorhead
Worthington
Mountain Lake
Willmar

Renewable Energy

Municipal Hydropower

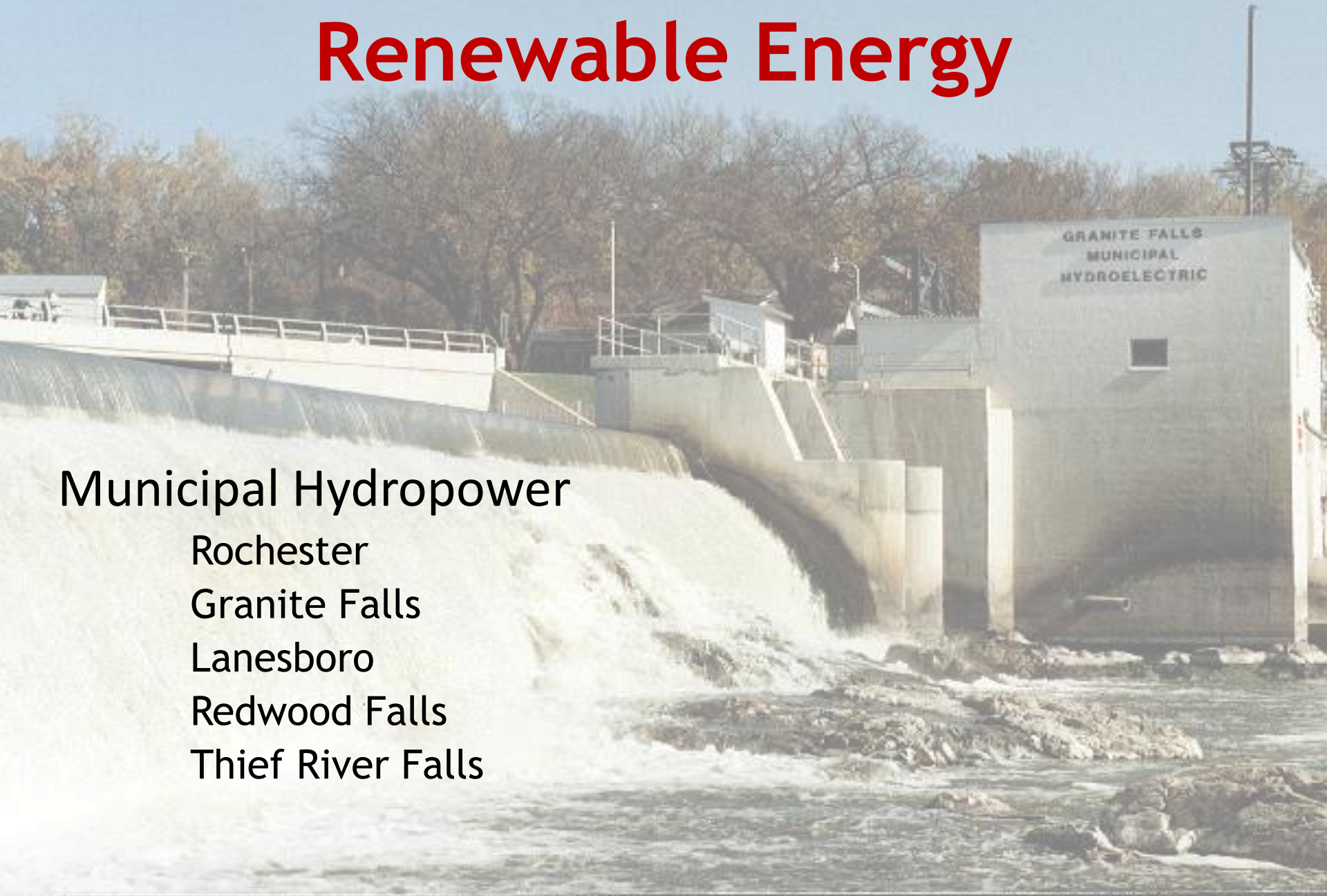
Rochester

Granite Falls

Lanesboro

Redwood Falls

Thief River Falls



Renewable Energy

Refuse-derived Energy

Elk River

Glencoe

Fosston

Rochester

Mora

Elk River Landfill Gas Electric Generation Station

Renewable Energy

Biomass

Virginia

Willmar corn cob test stock

Hibbing

Willmar*

Le Sueur*

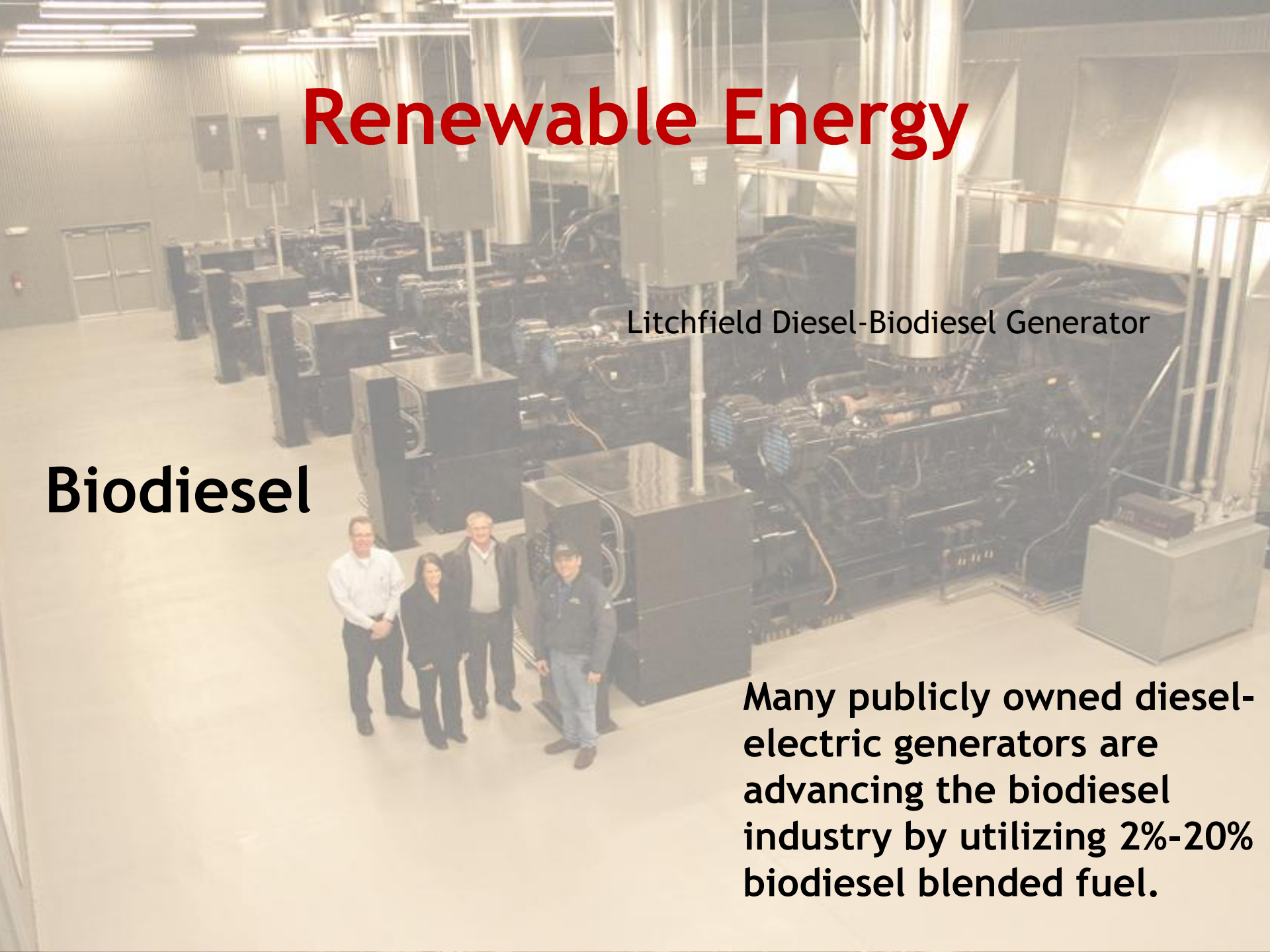
*in development

Renewable Energy

Litchfield Diesel-Biodiesel Generator

Biodiesel

Many publicly owned diesel-electric generators are advancing the biodiesel industry by utilizing 2%-20% biodiesel blended fuel.



Transmission

**Municipal utilities are
“transmission-dependent”**

Local Regulation - Local Accountability

City of Blooming Prairie

City
Councilperson

Public Utilities
Commissioner

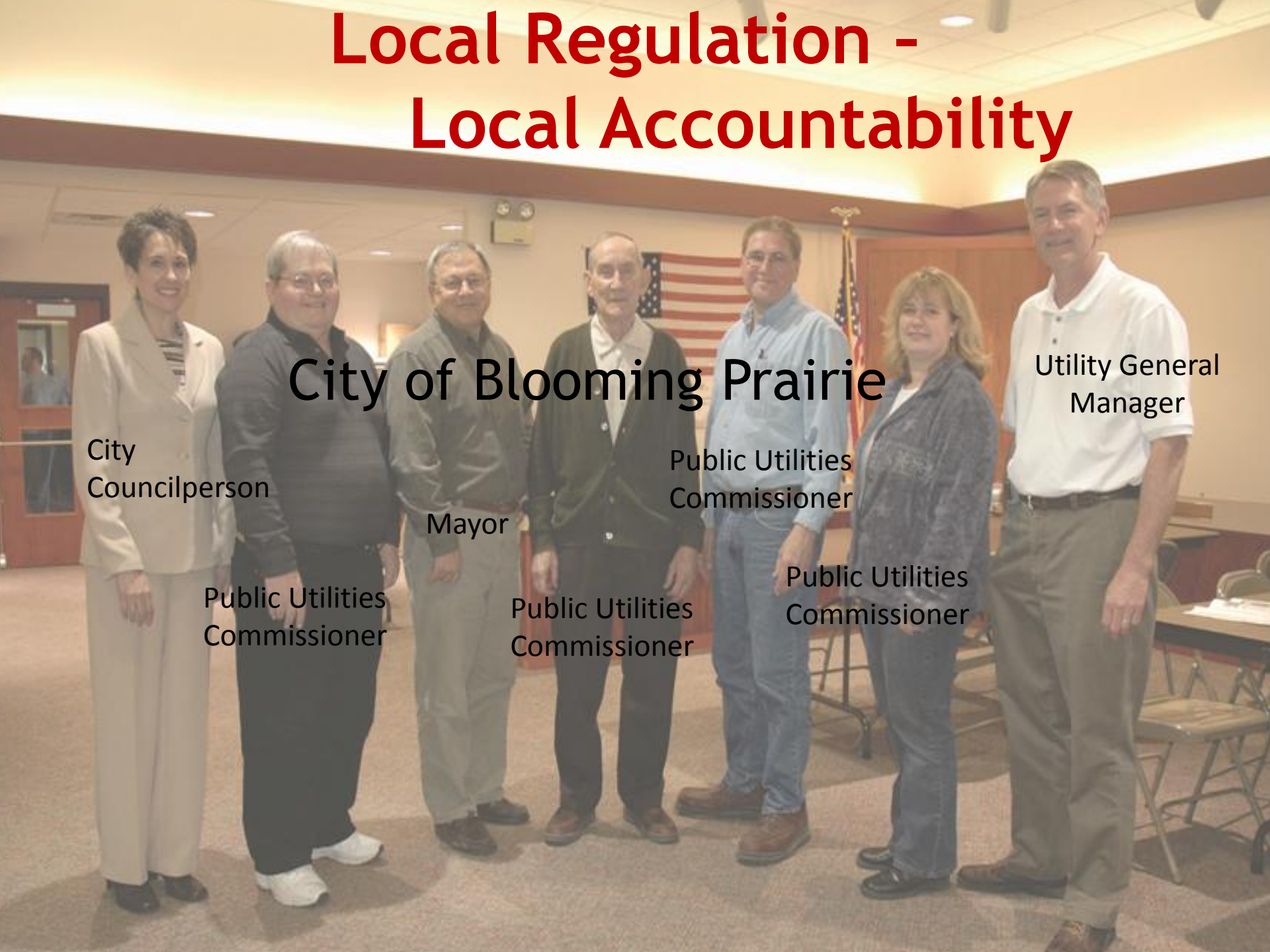
Mayor

Public Utilities
Commissioner

Public Utilities
Commissioner

Public Utilities
Commissioner

Utility General
Manager



Governed by Minnesota laws and regulations

Conservation Improvement Program (CIP)

Renewable wholesale power (RES)

Cold Weather Rule

Facility siting

Service territory

Open meetings

Data practices



Energy Efficiency & Conservation



Project Conserve (Elk River)

Home Energy Reports (Owatonna & Austin)

Energy Efficiency Improvement Loans (Marshall)

Neighborhood Energy Challenge (Rochester)

Griffin Project (Ely)

Workforce Development

Homegrown Talent

Lineworker training
Supervisor training
Natural gas system training

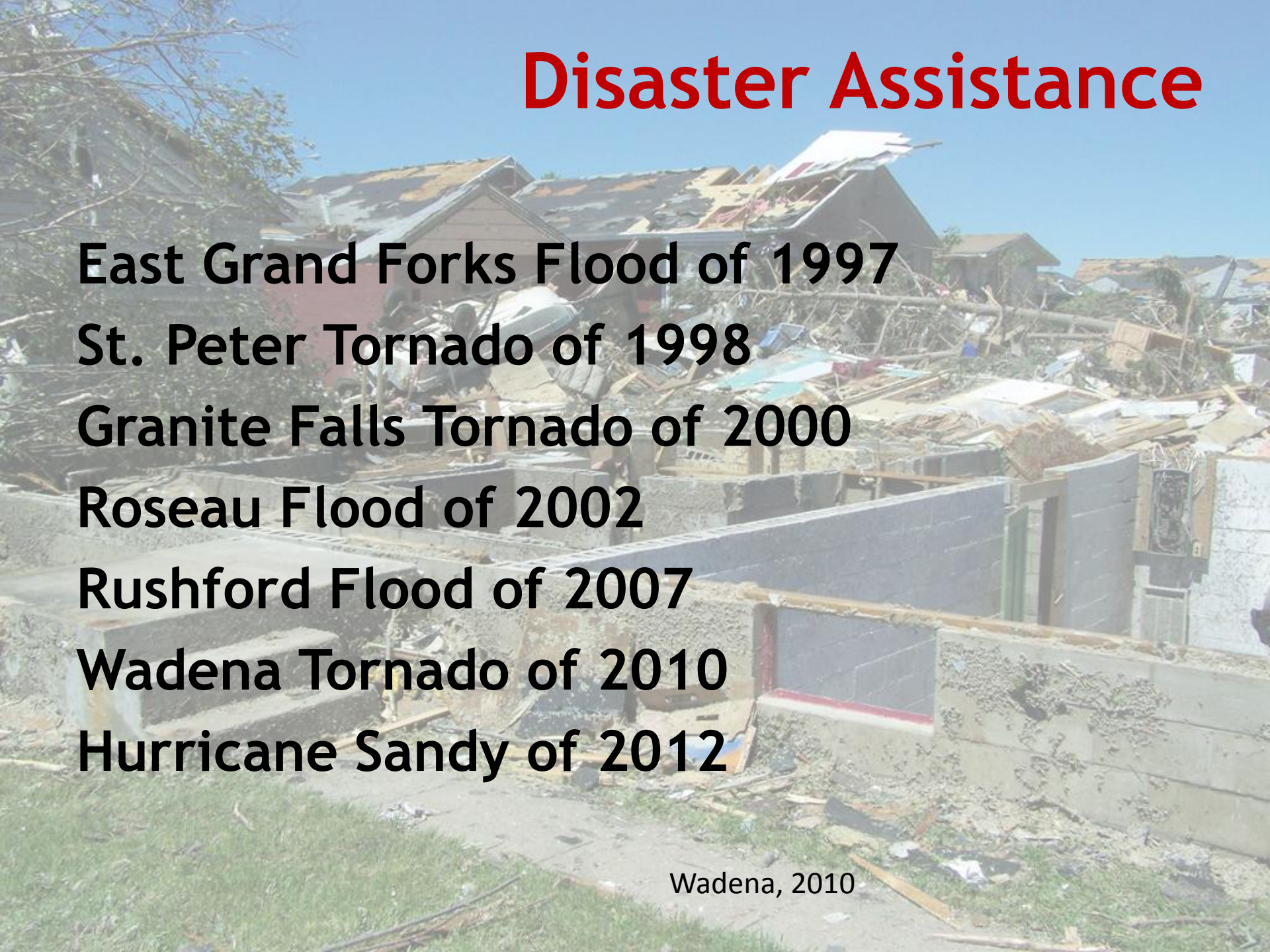


Workforce Development

An aerial photograph of the MMUA Training Center in Marshall, MN. The image shows a large, single-story building with a green roof and a white garage door. In front of the building is a paved parking lot with several vehicles, including a red fire truck and a white van. To the right of the building is a large grassy field with various utility equipment, including a large orange structure and several smaller vehicles. In the background, there are more buildings, a body of water, and a line of trees. The text "Workforce Development" is overlaid in red at the top of the image.

MMUA Training Center – Marshall, MN

Disaster Assistance

The background image shows a residential area with significant damage. A house in the upper center has a roof that is partially missing, with debris scattered around it. In the foreground, there is a concrete foundation or wall, and the ground is covered with grass and some debris. The sky is clear and blue.

East Grand Forks Flood of 1997

St. Peter Tornado of 1998

Granite Falls Tornado of 2000

Roseau Flood of 2002

Rushford Flood of 2007

Wadena Tornado of 2010

Hurricane Sandy of 2012

Wadena, 2010

Helping Cities to Grow Wisely

Partnering for business and
residential development



Local Service



Working for you to build a better community.
Buffalo Municipal Utilities

Community Pride



Litchfield

Tradition

More than 60 cities
in Minnesota are
served today by a
municipal electric
utility founded over
100 years ago.

Owatonna Municipal Power Plant

Photo courtesy of the Owatonna People's Press

Municipal Electric Utilities in Minnesota

Presented by

Minnesota Municipal Utilities Association