



Leading the Way on Innovative Energy Policies

Annual Midwest Building Energy Codes Conference
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1. Building Code Studies
2. Codes & Standards
Roadmap Project
3. Advanced/Stretch Code
Discussions
4. Electrification



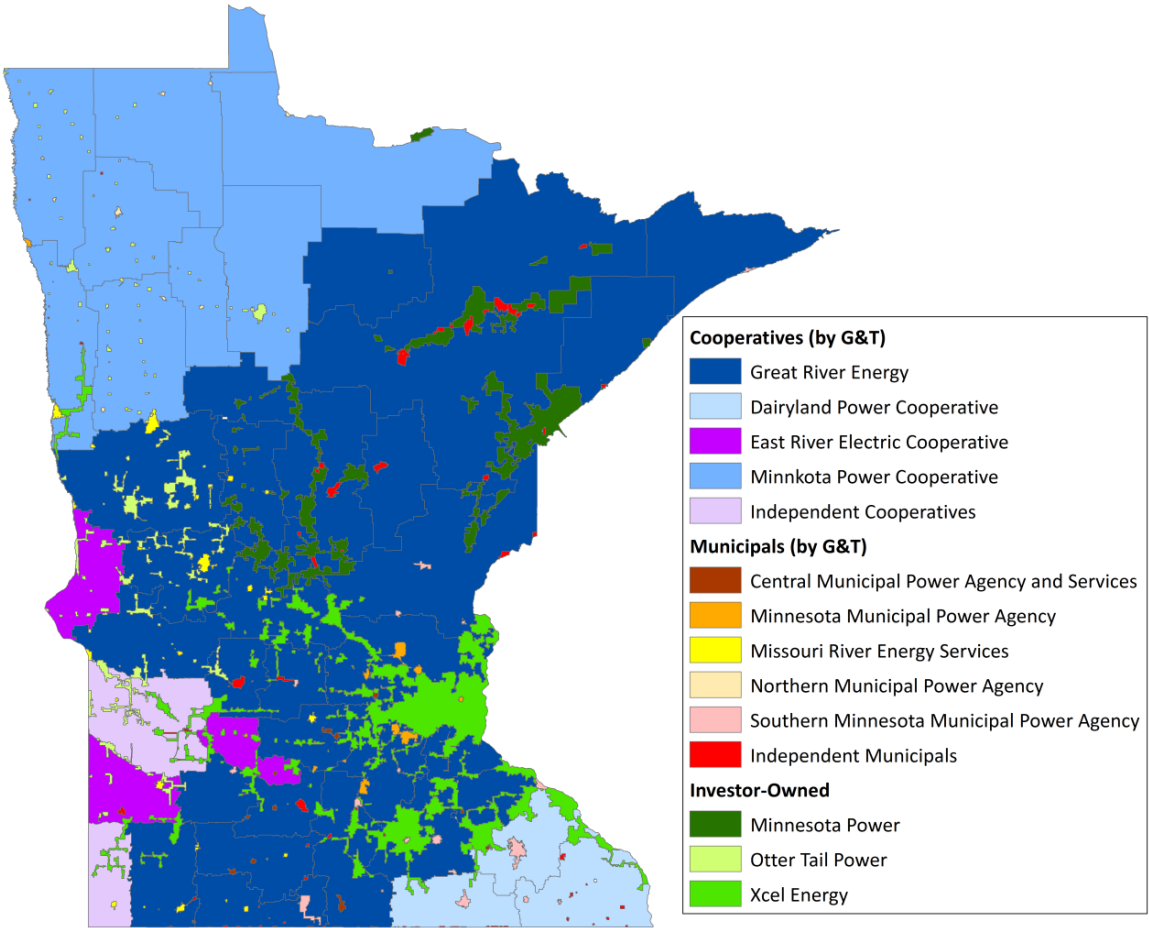
Minnesota Energy Policy Goals

- **Emissions Reduction** - Reduce greenhouse gas emissions by 15 percent by 2015, 30 percent by 2030, and 80 percent by 2050 relative to year 2005 emissions.
- **Renewable Energy Standard** - A goal that twenty-five percent of electric utilities' total retail sales be met from renewable energy resources by the year 2025.
- **Energy Efficiency Resource Standard** - Energy-saving goals for electric and natural gas utilities (1.5 percent of annual retail sales) that operate in the state of Minnesota through the Conservation Improvement Program (CIP).

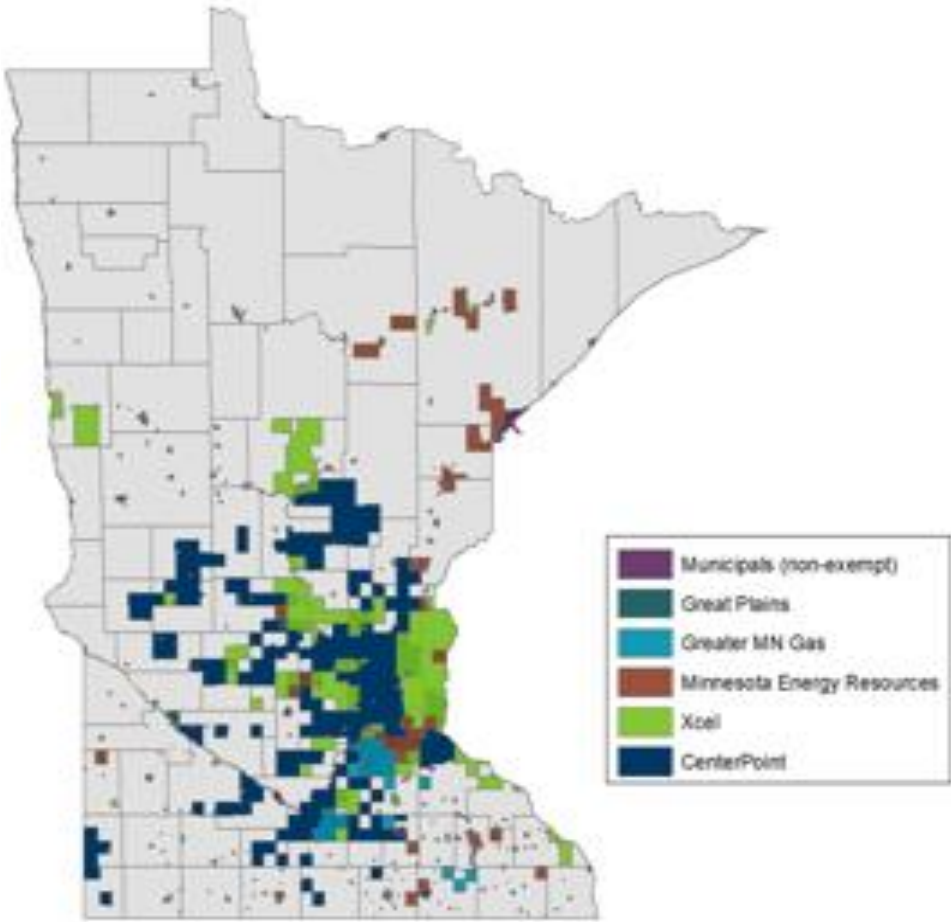


Minnesota Utilities

Electricity



Natural Gas



1. Building Code Studies

Commercial and Residential Code Compliance Studies (MN DLI 2013 & Slipstream 2020)

- Studies estimate rate of compliance with Minnesota energy code

Commercial Energy Code Compliance Pilot (Center for Energy & Environment, 2018)

- Test the potential to cost-effectively achieve CIP program savings by providing guidance and technical assistance to designers and/or city plan reviewers in a way that would improve compliance with the Minnesota energy code.

Minnesota Codes and Standards Program: Concept to Realization Roadmap (2050 Partners, 2021)

2. Minnesota Codes and Standards Program: Concept to Realization Roadmap

- Provides the foundation for developing a robust Minnesota Codes and Standards (C&S) Program that will deliver cost-effective energy savings, and
- Establishes a pathway for Minnesota utilities to participate in and claim savings from C&S program activities.

Project website - <https://www.mn-cs-roadmap.org>

Minnesota Codes and Standards Program: Concept to Realization Roadmap

- Program models vary by state and jurisdiction but often include one or more of the following activities:
 - Provide technical support for **building energy code advancement** (base codes and/or stretch codes),
 - Provide technical support for **appliance and equipment standards** at the state or national level,
 - Support **compliance improvement** through training programs and other stakeholder engagement strategies,
 - Conduct “**code readiness**” **data collection** efforts to support future C&S rulemakings, and
 - Facilitate stakeholder **planning & coordination** between stakeholders impacted by C&S rulemakings.

3. Advanced/Stretch Code

- Minnesota Department of Labor & Industry and Minnesota Department of Commerce formed informal workgroup examining ways to reduce energy use and GHG emissions associated with commercial and large multifamily buildings. Discussion included:
 - Updating statewide commercial code every three years
 - Allowing municipalities to adopt most recent model code prior to statewide adoption
 - Assessing resources needed to support accelerated code adoption cycle

4. Electrification



Electrification in Minnesota: Key Considerations

1. Preserving/enhancing efficiency efforts
2. Scope
 - Certain measures v. all measures
 - Transportation
 - Regulated fuels v. non-regulated fuels
3. Methodology for determining efficient fuel switching measures across 120 utilities

Thank You!

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