

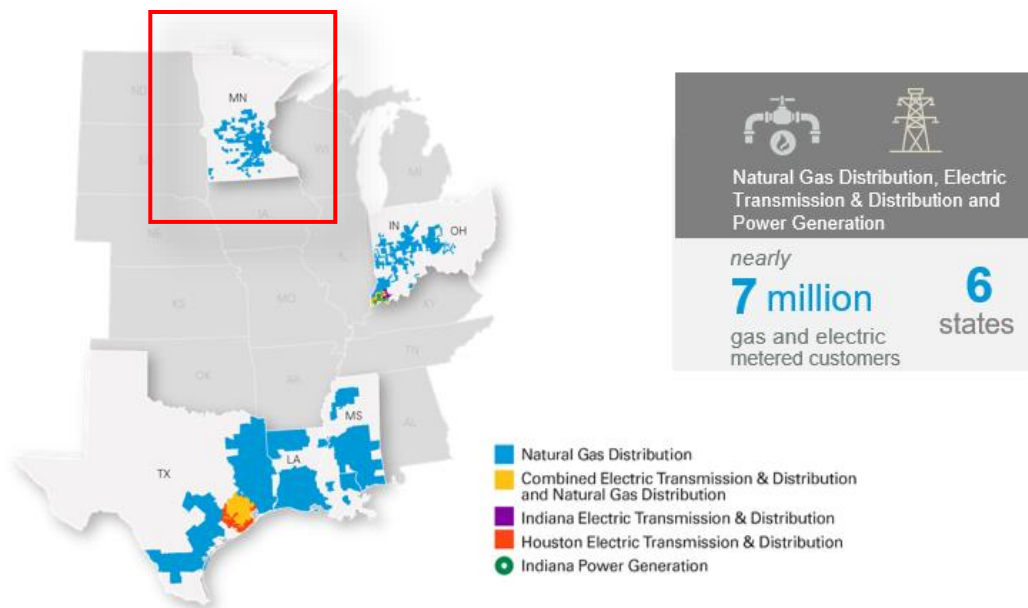


# Electrification in CenterPoint Energy's First Innovation Plan under the Minnesota Natural Gas Innovation Act

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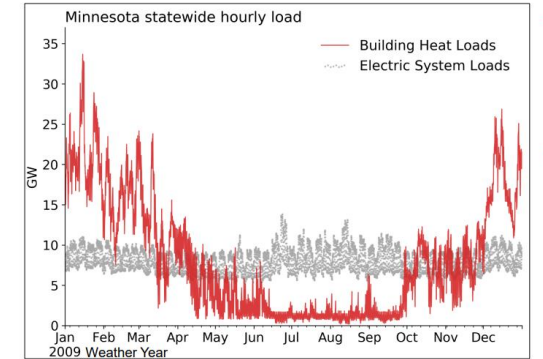
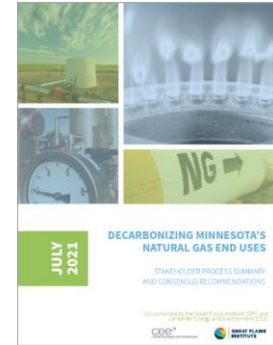
# Where CenterPoint Energy operates



## CenterPoint Energy in Minnesota:

- We're the **largest natural gas utility** in Minnesota
- **We serve 900,000** Minnesota homes/business in 260+ communities
- **1,200+ Minnesotans** employed

- Gas backup to reduce winter electric peak can reduce overall costs for building decarbonization in Minnesota
- Energy efficiency is key to all scenarios



Incremental Resource Costs for Buildings (2050)  
Commercial + Residential sector



Source: Decarbonizing Minnesota's Natural Gas End Uses, accessed 1/11/2023, <https://e21initiative.org/wp-content/uploads/2021/07/Decarbonizing-NG-End-Uses-Stakeholder-Process-Summary.pdf>

- Our first Natural Gas Innovation Act (NGIA) innovation plan is currently under development
- Electrification pilots we are considering:
  - Commercial Hybrid Heating program
  - Residential Deep Energy Retrofit with Air Source Heat Pump/Gas Backup program
  - Industrial Electrification Incentive program



- Design and operation of hybrid heating systems to optimize for customer cost and greenhouse gas reduction impact
- Data collection to assess performance and costs of specific products in cold climates
- Cost implications for customers who cannot afford to electrify



Thank you!

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