



Reducing emissions
with Picarro leak detection



Upgrading our system with durable,
state-of-the-art pipeline materials



Using innovative ZEVAC vacuum
pump technology to avoid gas
venting when pipelines are taken
in and out of service

Who we are

- Minnesota's largest natural gas utility, with 150+ years of service to the state
- Over 900,000 residential and business customers in 260+ communities
- 1,200 Minnesota employees
- Providing essential energy that Minnesotans count on every day – especially the coldest days, when our natural gas system delivers more energy than the state's total electric generating capacity

CenterPoint Energy is committed to innovative, comprehensive solutions that reduce greenhouse gas emissions and advance Minnesota's clean energy future.

What We're Doing

Enterprise-wide Carbon Reduction Goals

- We've established an industry-leading goal of achieving Net Zero by 2035 for direct emissions resulting from our own operations and energy use.
- We were the first utility to set a meaningful goal across a multi-state footprint for reducing indirect "Scope 3" emissions – those from our customers' use of natural gas. We're committed to helping our residential and commercial customers lower emissions from their natural gas use by 20-30% by 2035 (based on 2021 levels).

System Optimization

- We've reduced emissions from our Minnesota operations in the past decade by nearly 25% by upgrading our infrastructure and using cutting-edge technologies to keep natural gas in the pipe and out of the air.
- Since 2013, we've invested more than \$1.7 billion in modernizing our Minnesota pipeline system, and we expect to invest at least an additional \$1 billion over the next 5 years.
- Our fleet of Picarro Surveyor vehicles uses advanced technology that is 1,000 times more sensitive than traditional methods to efficiently locate potential leaks in our underground system.
- We've pioneered innovative ZEVAC vacuum and compression technology to avoid venting natural gas when pipelines are taken in and out of service for inspection, repair or replacement.



Energy Efficiency

- With our nation-leading Conservation Improvement Program, we help our residential and business customers reduce their energy use, save money and limit their own carbon footprint.
- Thanks to our energy efficiency programs, our customers have avoided 13.2 million metric tons of emissions over the past 26 years – equal to the annual natural gas use of 2.6 million Minnesota homes.
- We're expanding our commitment in support of energy efficiency, especially to serve our customers who experience a higher energy cost burden.

Natural Gas Innovation Act

- We proposed this landmark Minnesota energy law that passed in 2021 with strong bipartisan support.
- It creates a new regulatory process that supports cost-effective utility investments in innovative resources and technologies to reduce emissions from natural gas use.
- We expect to submit our first innovation plan by early 2023 for review and approval by the Minnesota Public Utilities Commission.

Renewable Natural Gas (RNG)

- We're promoting this new Made-in-Minnesota energy resource, produced by capturing and recycling biogas from farms, food waste, wastewater facilities and other sources.
- We secured regulatory approval in November 2020 to begin accepting RNG into our system from Minnesota suppliers, with plans to seek additional regulatory approval for a green tariff program to give our customers the option to purchase RNG for their own gas supply.

Green Hydrogen

- We're exploring another Made-in-Minnesota energy resource – hydrogen produced by safely splitting water into oxygen and hydrogen using renewable electricity.
- In April 2022, we launched a pilot project in Minneapolis that is producing green hydrogen and blending it into our natural gas supply at low concentrations, with additional projects being planned elsewhere in Minnesota.
- Because there are virtually no greenhouse gas emissions from either its production or end-use, green hydrogen has the potential to be an important low-emission alternative or supplement to conventional natural gas.

Carbon Capture & Recycling

- We're testing an innovative technology that captures carbon dioxide from business customers' natural gas equipment and converts it into a safe, nontoxic powder that can be reused in commercial products such as soap and glass.
- In addition to reducing emissions, it can increase efficiency to achieve both energy and cost savings for customers.

Minneapolis Clean Energy Partnership

- Since 2014, we've been an active partner in the Minneapolis Clean Energy Partnership, working with the City of Minneapolis and Xcel Energy to help the city reach its ambitious climate action and clean energy goals.

More information about CenterPoint Energy's clean energy innovations in Minnesota can be found at [CenterPointEnergy.com/CleanEnergyMN](https://www.CenterPointEnergy.com/CleanEnergyMN).