



GOODHUE COUNTY MINNESOTA

TO EFFECTIVELY PROMOTE THE SAFETY, HEALTH, AND WELL-BEING OF OUR RESIDENTS

COMMITTEE OF THE WHOLE AGENDA
COUNTY BOARD ROOM
GOVERNMENT CENTER
RED WING, MN

DECEMBER 15, 2020
5:30 P.M.

Virtual Meeting Notice

“Due to concerns surrounding the spread of COVID-19, it has been determined that in-person meetings or meetings conducted under Minn. Stat. 13D.02 a are not practical or prudent. Therefore, meetings that are governed by the Open Meeting Law will temporarily be conducted by telephone or other electronic means pursuant to Minn. Stat. 13D.021.”

“The Goodhue County Board of Commissioners will be conducting a Committee of the Whole Meeting pursuant to this section on December 15, 2020 at 5:30 p.m. in the County Board Room. The County Administrator and/or County Attorney will be present at the meeting location. All County Commissioners attending will appear by telephone or other electronic means. The public may monitor the meeting from a remote site by logging into <https://global.gotomeeting.com/join/552594509> or calling [1 866 899 4679](tel:18668994679) or [1 571 317 3116](tel:15713173116) any time during the meeting.” Access Code: **552-594-509**

1. Xcel Energy Resolution of Support

Documents:

[IRP slides for Goodhue County.pdf](#)
[Xcel Report.pdf](#)



Upper Midwest IRP Summary

Goodhue County
December 15, 2020

Leading the Clean Energy Transition



A bold vision for a carbon-free future

2019



2030



2050



Upper Midwest Energy Plan

- Proposal to the Minnesota Public Utilities Commission first filed in July 2019
- All the pieces of the integrated plan work together to provide:
 - 80% carbon reduction by 2030
 - Reliable service
 - Bills below the rate of inflation
- Robust public and stakeholder input process over the next year



An Integrated Plan



Close coal plants

Retire the last of our coal plants in the Upper Midwest by 2030, a decade earlier than planned

Add renewables

Add more than 3,500 megawatts of solar by 2030, enough to power nearly 775,000 homes each year, and complete our largest-ever wind expansion by 2022

Continue carbon-free nuclear

Start the process to gain regulatory approval to run our carbon-free Monticello nuclear plant until at least 2040

Enable a carbon-free future

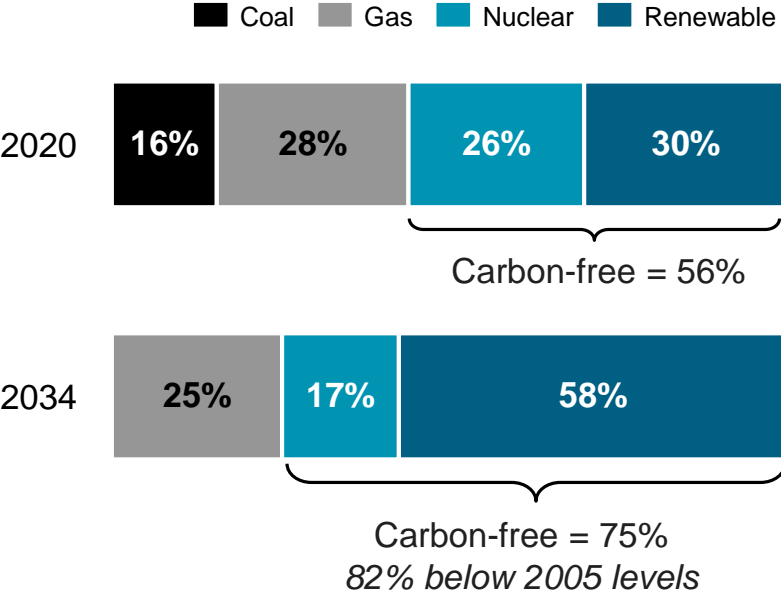
Use natural gas-fired plants in the coming years as a reliable, cleaner source of electricity as we add more renewable energy and build a carbon-free future

Preferred Plan Key Components

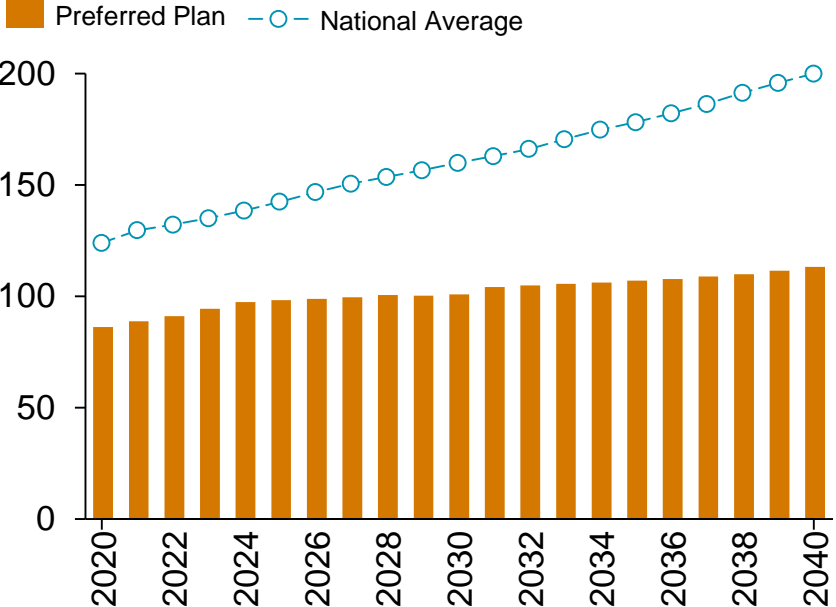
| Resource | Plan Detail |
|--------------|---|
| Nuclear | Extend Monticello from 2030 to 2040, Prairie Island to end of life (2033 & 2034) |
| Coal | Early retirement of King (2028) and Sherco 3 (2030); seasonal dispatch of Sherco 2 |
| Nat. Gas CC | ~800 MW new Sherco combined cycle (firm dispatchable, load-supporting resource) |
| Firm Peaking | ~2,600 MW cumulative firm peaking by 2030-34 (e.g., energy storage, DR, hydrogen) |
| Wind | ~2,250 MW by 2034 |
| Solar | > 3,500 MW by 2030 (utility scale), beginning in 2025 |
| EE and DR | ~780 GWh annual savings through 2034 via energy efficiency programs; 400 MW incremental DR by 2023 and growing total to ~1,500 MW by 2034 |
| Carbon | >80% reduction by 2030 achieved, on path to 100% carbon free by 2050 |

Carbon & Customer Cost Impacts

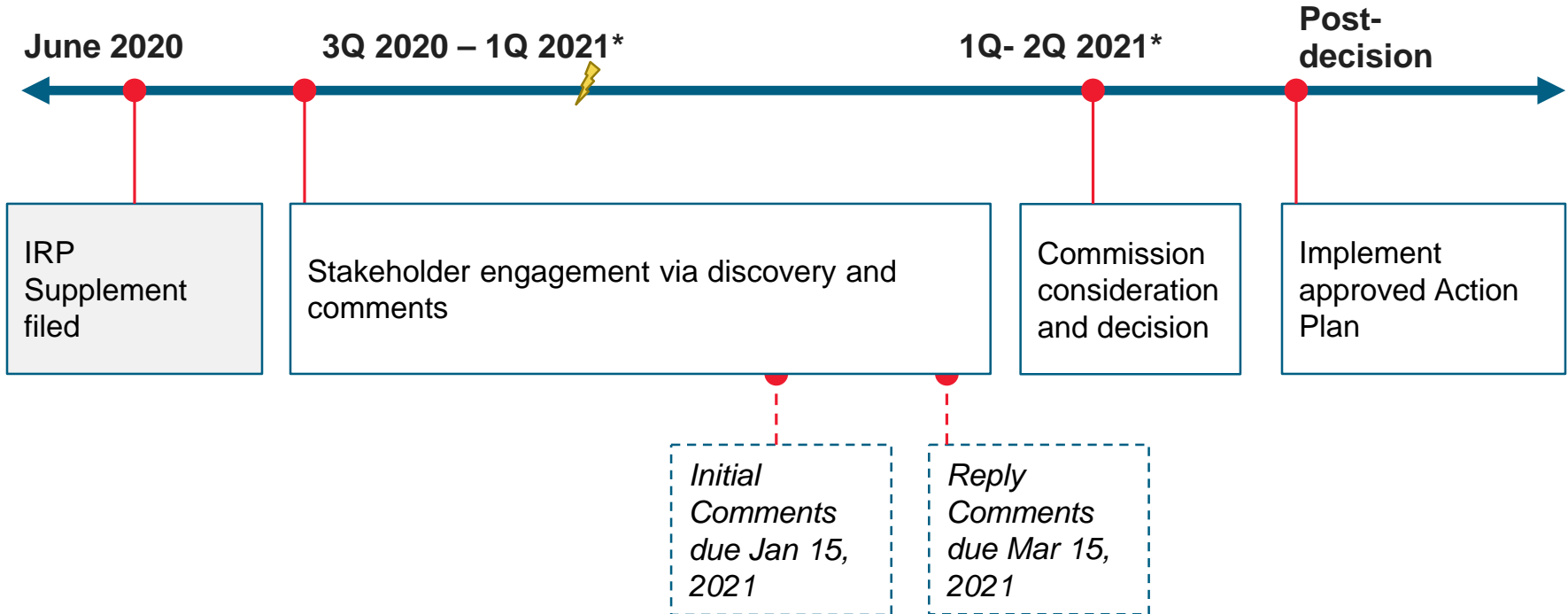
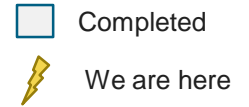
Supplement Preferred Plan Generation Mix (percent of GWh, EnCompass analysis)



Average residential customer bills (\$ per month)



Timeline



*Dates subject to change



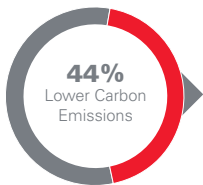
DELIVERING RELIABLE, AFFORDABLE, CLEAN ENERGY

UPPER MIDWEST ENERGY PLAN

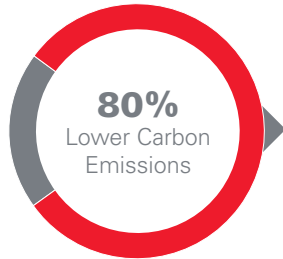


Xcel Energy's Upper Midwest Energy Plan outlines how we'll aggressively reduce carbon emissions, on our way to achieving our vision to provide all customers with 100% carbon-free electricity by 2050.

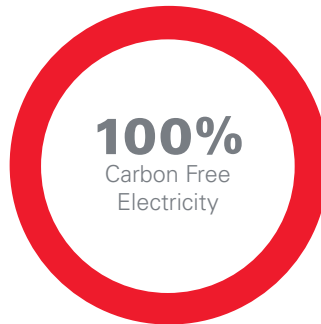
2019 Results



2030 Goal



2050 Vision



(Company-wide carbon reductions)

How we'll get there

Under our integrated plan, we would continue leading the clean energy transition by closing all of our coal units in the Upper Midwest a decade ahead of schedule, ensuring reliable, affordable energy by extending the use of nuclear energy at our Monticello plant, using cleaner natural gas, and increasing wind and solar energy.

Each element of the plan works with the others. Together, these elements will enable Xcel Energy to continue to provide reliable electric service while keeping bills low.



Close coal plants

Retire the last of our coal plants in the Upper Midwest by 2030, a decade earlier than planned

Add renewables

Add more than 3,500 megawatts of solar by 2030, enough to power nearly 775,000 homes each year, and complete our largest-ever wind expansion by 2022

Continue carbon-free nuclear

Start the process to gain regulatory approval to run our carbon-free Monticello nuclear plant until at least 2040

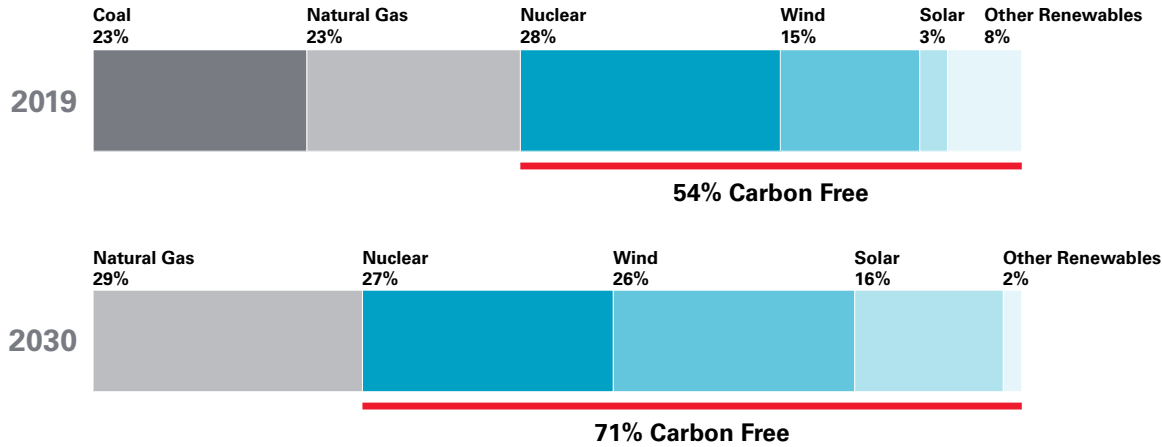
Enable a carbon-free future

Use natural gas-fired plants in the coming years as a reliable, cleaner source of electricity as we add more renewable energy and build a carbon-free future

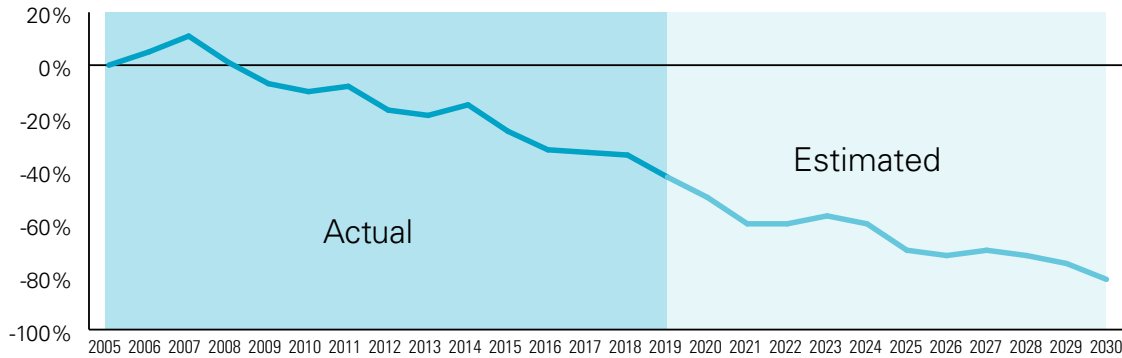
UPPER MIDWEST ENERGY PLAN

Building on clean energy leadership

We are already implementing ambitious energy plans that add record levels of renewable energy and reduce carbon emissions at levels that we never imagined a decade ago. We're proving that we can transition to advanced, clean technologies while continuing to deliver affordable, reliable energy to customers, and by 2030, our energy mix will be more than 70% carbon-free.



By 2030, we plan to reduce carbon emissions in the Upper Midwest by more than 80% from 2005 levels.



How the process works



We filed the proposed plan on July 1, 2019, with the Minnesota Public Utilities Commission, which will consider approval of the plan through a thorough, public process. We will continue to engage with and invite feedback from all stakeholders as the plan is considered by the Commission.



Draft comment letter—Xcel Energy Upper Midwest Energy Plan

To: Minnesota Public Utilities Commission

From: (Organization Name)

My organization/company (details about organization/company and its key stakeholders/customers/residents). We write today to express support for the Xcel Energy Upper Midwest Energy Plan currently under consideration at the Public Utilities Commission (docket number 19-368).

We support reducing carbon emissions and expanding clean energy, and we know that reliable electricity is key to meeting our needs and the needs of our customers and our community.

Xcel Energy's plan will reduce emissions, invest in renewable energy, and deliver reliable electricity while also keeping bills affordable.

We support the Xcel Energy plan to retire its coal plants, expand wind and solar energy, continue operating its carbon-free nuclear plants, and build a natural gas plant in Becker to ensure reliability. We ask the Public Utilities Commission to approve the Xcel Energy plan, as they are our trusted community partner and have the experience and expertise to continue meeting the energy needs of our community, our state, and our region.

Contact information:

Submit comments or resolutions to:

<https://mn.gov/puc/consumers/speak-up/public-comments.jsp>

Reference: Docket number 19-368

Resolution supporting Integrated Resource Plan (IRP)

Whereas Xcel Energy is a critical piece of the economy in Goodhue County as they are the largest taxpayer and one of the largest employers, and

Whereas Goodhue County supports activities that sustain the large tax base and workforce that Xcel Energy provides within Goodhue County, and

Whereas Goodhue County supports reducing carbon emissions in our electric system and expanding clean energy, and

Whereas, Goodhue County knows reliable electricity is critical to meeting the needs of our customers and communities,

Whereas Goodhue County agrees with Xcel Energy's plan to reduce carbon emissions, expand renewable energy, and deliver reliable electricity is an affordable plan to accomplish these goals, and

Whereas Goodhue County supports Xcel Energy's plan to retire its coal plants in the Upper Midwest, expand wind and solar energy, continue operating its carbon-free nuclear plants, and build a natural gas plant in Becker to ensure continued electric reliability,

Goodhue County urges the Minnesota Public Utilities Commission to approve the Xcel Energy Upper Midwest Energy Plan/Integrated Resource Plan and to submit this resolution of support to:

<https://mn.gov/puc/consumers/speak-up/public-comments.jsp>; Reference: Docket number 19-368.