

Do you generate your own electricity?

The Minnesota Public Utilities Commission requires Minnesota Power to buy all electric energy that qualified facilities offer for sale. The rules apply to small power producers who use renewable resources and cogenerators who produce electricity and steam.

Disputes that arise over interconnections, sales or purchases of power will be resolved by the MPUC. For information, call Minnesota Power at 800-228-4966.

Dual fuel customers can sign up for email, text alerts

If you're a Minnesota Power dual fuel customer, you can sign up to receive text or email alerts when there is a planned interruption to your dual fuel account. Sign up at mnpower.com/DualFuelAlert.

Safety around power lines

Downed power lines can be fatal or cause life-threatening injuries if you come in contact with them or something they have fallen on.

Do not drive over power lines.

Do not attempt to move trees, equipment or vehicles that have come in contact with downed lines.

Do not attempt to exit your vehicle if the line is in contact with it.

Do call 911 and stay a safe distance until help arrives.

MP offers special rate for charging electric vehicles

Owners of electric vehicles have a new option for charging their EVs.

Minnesota Power is offering residential customers a discounted energy rate for charging electric vehicles during off-peak hours between 11 p.m. and 7 a.m. Service under this rate will be separately metered and there will be upfront costs associated with hooking up the separate service.

If you want to go even greener, you can opt to purchase energy entirely from renewable energy sources for an additional cost.

To learn more, call Minnesota Power at 722-2625 or visit mnpower.com/ElectricVehicles.

Save Energy.
Save Money.

We can help get you started.

mnpower.com/save



Energizer News

WINTER 2016

Three-year project to reduce emissions wraps up at Boswell

Minnesota Power's Boswell Energy Center will generate electricity more cleanly and reliably for many years to come with the completion of a major emissions reduction project.

The three-year environmental improvement project at Boswell Unit 4 recently wrapped up in Cohasset and is online and generating power to meet customers' energy needs. The environmental upgrade is reducing mercury emissions by 90 percent and also significantly reducing emissions of sulfur dioxide and particulates, meeting all state and federal regulations. Unit 4, capable of producing 585 megawatts, is Minnesota Power's largest coal-fired generating unit.

Total cost of the Boswell project is about \$260 million. At the peak of construction, local trades

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Photo of Pike Lake north of Duluth by Dennis O'Hara

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Customer generosity helps to warm homes

Our customers have long been able to contribute to the Salvation Army's HeatShare program through their Minnesota Power bill, and last year was no exception.

Customers helped their neighbors in need to keep warm in winter by donating more than \$38,000 to the program in 2015.

To learn more about HeatShare or how you can contribute, call us at 800-228-4966 or visit www.mnpower.com/customerservice/heatshare.



Always ask permission: Power line right-of-ways mostly privately owned

Minnesota Power maintains about 7,500 miles of power line right-of-ways in northern and central Minnesota, and most of it is owned by private parties.

Minnesota Power has been granted rights permitting the electric line to be constructed and maintained on the private land.

A right-of-way is not a public thoroughfare. If you use a right-of-way for snowmobiling, hunting or all-terrain vehicle riding, you must first obtain the landowner's permission.

Failure to get permission can be considered trespassing.

Boswell 4 environmental upgrade cuts emissions

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and other workers numbered 600 on-site. Minnesota Power integrated the new emissions control equipment with existing systems during a 10-week outage this past fall.

The environmental upgrade involved replacing the existing wet scrubber and particulate control technology with a semi-dry system that uses less water, installing a powdered activated carbon injection system to capture flue gas mercury, and adding a fabric filter to further control particulates.

A new 25,000-square-foot building houses a nine-module Alstom NID system that removes mercury, sulfur dioxide and particulates.

The project meets the requirements of Minnesota's Mercury Emissions Reduction Act and the federal MATS rule (Mercury and Air Toxics Standards). In November 2015, the Minnesota Pollution Control Agency recognized Minnesota Power for its leadership in reducing mercury emissions.

Baseload coal generation remains an important energy



The Boswell 4 project, shown here in September 2015, is the latest achievement in Minnesota Power's initiative to further lower emissions. It demonstrates MP's commitment to a balanced energy future through its EnergyForward strategy for diversifying to an energy mix of one-third coal, one-third renewable energy and one-third natural gas.

supply component supporting Minnesota Power's mission to deliver safe, reliable and affordable electricity to its customers even as the utility adds more renewable energy and natural gas.

With the retrofit finished, ahead of schedule and under budget, Boswell 4 is cost-effectively serving customers, including the mines, paper

mills and other large industrial customers, with cleaner power. In the past decade, Minnesota Power has invested more than \$600 million to cut emissions across its system. The utility has reduced mercury emissions by 90 percent while lowering sulfur, nitrogen oxide and fine particulates by more than 70 percent compared with 2005 levels.