

MVEC PRIOR LAKE SUBSTATION REBUILD

PROJECT OVERVIEW: \$4 MILLION IN RELIABILITY IMPROVEMENTS AT THE PRIOR LAKE SUBSTATION, LOCATED AT THE SOUTHWEST CORNER OF HIGHWAY 13 AND COUNTY ROAD 42, IN THE SUMMER OF 2024, THAT WILL ENHANCE SUBSTATION DESIGN AND SERVICE.

- **\$4 million project:** represents one-fourth of MVEC's overall \$16 million 2024 Construction Work Plan and will:
 - Increase reliability and system strength.
 - Provides for future growth and power needs.
 - Updates to equipment and accommodates advances in technology.
- **6,200 members** are served by this substation, both residential and commercial.
- **The substation will be removed from service during the project;** during the substation switching process your home or business will be back fed* from another substation in the area. * See definition on reverse side.
- **Communications regarding the project include** an Open House, a more detailed email and/or letter describing the project, and a dedicated web page showing activity and progress.

TIMELINE

May 2024

- May 7 Open House at Prior Lake Library.
- Remove substation from service (de-energize).
- Dismantle entire substation.

June 2024

- Construction of concrete pads for transformers, switchgear building, high-side switches, and associated equipment.

July 2024

- Feeder conductor replacement.
- Installation of remaining equipment.
- Placement of high side structures.

August 2024

- A new switchgear* building delivered. *See definition on reverse side.
- Substation will be extensively tested before commissioning.

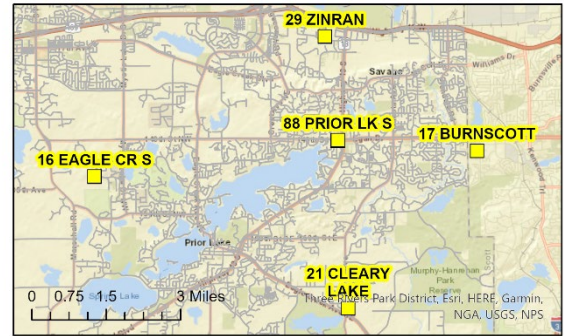
September 2024: Prior Lake Substation is re-energized and put back into service.



PROJECT-ASSOCIATED DEFINITIONS

Back Feeding* of Electricity

MVEC's electric grid allows the cooperative to temporarily switch member locations from their usual substation to a nearby substation for their power needs. MVEC members will be evenly distributed among the BurnScott, Cleary Lake, Eagle Creek, and Zinran Substations while the Prior Lake Substation is de-energized during construction.



Switchgear* Building

A big piece of the project is moving in a new 80-foot switchgear building. In the event of an electrical fault, an effective switchgear system will trigger, automatically interrupting the flow of power and protecting the electrical system from damage. Switchgears are also used for de-energizing equipment for safe testing and maintenance.



Moving equipment into a switchgear building will make sure the equipment that powers your location is:

- Protected from external environmental factors, animal interference, and the weather.
- Safer for MVEC linemen and substation technicians, as well as the public.
- Provides greater reliability of power for those served by this substation.


Check in weekly and follow the progress on this web page as we rebuild your substation:

www.mvec.net/prior-lake-sub-activity/


MVEC START/STOP SERVICE MY ACCOUNT SAVINGS & REBATES OUTAGES & SAFETY
MINNESOTA VALLEY ELECTRIC COOPERATIVE
A Tachstone Energy Cooperative

PRIOR LAKE SUBSTATION ACTIVITY AND PROGRESS

Project Overview
In the summer of 2024, the Prior Lake Substation, located at the corner of Highway 13 and County Road 42, will be rebuilt to increase power reliability and system resiliency. During this time, the 6,200 members served by this substation will be switched temporarily to adjacent MVEC substations for their power needs. We invite you to check this page for weekly updates.



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Thank you for being a valued member of MVEC. If you have any questions regarding this project, please email substations@mvec.net or call 952.492.2313.