

Substation School

March 19–21, 2024



**Location: VFW Post 4046
1201 3rd Avenue East, Shakopee, MN**

Substation School 2024

Training overview

Having the best distribution system in the world won't matter if your substation isn't operating properly. Recognizing that, MMUA presents a Substation School annually. This school offers instruction on a variety of important topics that can benefit anyone working in/on your substation—from the substation technician to the lineworker interested in learning more about substations.

In addition to expert-led classroom instruction, attendees will be able to tour a substation and a transformer manufacturer. Substation School is the best annual opportunity in Minnesota for learning about current trends and best practices for maintaining your utility's vital substations.



March 19—Tuesday

Substation maintenance and inspections

Proper operation and maintenance of your substation is key to sustaining the heartbeat of your power distribution system and ensuring reliability to your customer base. We will cover the industry's best practices on a variety of operational concepts and maintenance issues.

March 20—Wednesday

The basics of substation configuration

There are many different components and systems integral to the workings of a substation—knowing what they are and what they do is critically important for the safe operation of substations. Increase your understanding of the major systems and their associated components typically found in your substations.

Cause and effect of improper maintenance

Preventive maintenance is one of the most important aspects of maintaining substations. Learn about some of the most commonly found issues in substations and what could happen if they are not caught in time.

March 21—Thursday

Benefits of infrared technology

Using infrared technology can be an effective way to keep your substations in check, and your utility can do it on your own. Discover the different ways this technology can improve safety.

Safety and security within substations

There are a number of different hazards involved in substations. Knowing how to protect yourself from those is of the utmost importance. Are you wearing the proper equipment? What tools are available to better protect yourself? Find out the answers to these questions and more.



Hotel information

Holiday Inn Express & Suites

4550 12th Avenue East
Shakopee, MN 55379
Phone: 952.445.2244

MMUA has negotiated reduced room rates at the [Holiday Inn Express in Shakopee](#). Rates start at \$114 per night, plus tax. To obtain MMUA's reduced rate, please call the hotel directly and mention "Minnesota Municipal Utilities Association." We recommend you make your reservation as soon as possible, as availability is limited and cannot be guaranteed.

The reduced rate expires on February 25 or when sold out.

Substation School—program details

Agenda

Tuesday, March 19

- 12:00–1:00 Registration and check-in
- 1:00–1:15 Welcome and opening remarks
- 1:15–4:00 Substation maintenance and inspections

Wednesday, March 20

- 8:30–10:00 The basics of substation configuration
- 10:15–12:00 Cause and effect of improper inadequate preventative maintenance
- 12:00–1:00 Lunch
- 1:00–4:30 Group tours:
 - West Shakopee Substation
 - Jordan Transformers

Thursday, March 21

- 8:30–10:00 The benefits of infrared technology for assessing your assets
- 10:00–12:00 Safety and security within substations



What do I need to bring?

Please bring appropriate attire and materials, including:

- High-visibility clothing
- Hard hat
- Safety glasses
- Safety footwear

Certificate of achievement

Attendees earn a certificate of achievement for their participation. Watch for an email notification upon completion of the course.



Registration information

Substation School fees

- Member—\$535 per person
- Non-member—\$720 per person

Fee includes school tuition, materials, refreshment breaks, lunch on Wednesday, and a certificate of attendance.

Registration fees increase \$50 on February 19. **To register, visit mmua.org/event/substation-2024.**

Register by February 19, 2024 for best rate. The final deadline is February 29, 2024.