



# Electric Skills Training for Water/Wastewater Operators

**March 13–14, 2024**



**MMUA Training Center  
Marshall, MN**

# Electric Skills Training for Water/Wastewater Operators

## Training Overview

This course is offered as supplemental training for water/wastewater operators and support staff. This comprehensive electrical training program can benefit non-electricians to further develop skills and gain competency.

Understanding what electrical work can and cannot be done by a non-electrician operator or maintenance technician can present a challenge. Are you confident that the work you are assigned—or that you are assigning—can safely and legally be performed?

Recognizing your limitations is the key to ensuring everyone's safety.



## Topics

Topics of discussion will include:

- Safety overview
  - Proper personal protective equipment
  - Review national electrical code
  - Hazard identification
- Arc flash hazards
- What electrical work a non-electrician can legally do
- Basic and advanced hands-on electrical testing and troubleshooting activities
- Hands-on lockout tagout
- Determining appropriate equipment
- Hands-on voltage checks; testing and sizing fuses
- Communications
- Overview of electrical prints



## Hotel information

Marshall is home to several lodging options, but you are encouraged to act quickly to secure a reservation. There are multiple large events in Marshall the week of the workshop, and it is anticipated that space will be limited.

The AmericInn and the EverSpring Inn offer special pricing for participants. Call the hotel directly and be sure to ask for MMUA's reduced rate when making your reservation.

**AmericInn by Wyndham**  
1406 East Lyon St, Marshall  
Phone 507-537-9424

**EverSpring Inn**  
1500 East College Dr, Marshall  
Phone 507-532-3221

**Sleep Inn**  
1300 Nwakama St, Marshall  
Phone 507-337-0103

# Program details

## Agenda

### Wednesday, March 13

- 12:00–1:00 Registration and check-in
- 1:00–1:15 Welcome and opening remarks
- 1:15–4:00 Safety overview
- Personal protective equipment
  - Review National Electrical Code
  - Hazard identification and arc flash hazards
  - Review of process: how to register with State of Minnesota

### Thursday, March 14

- 8:00–10:00 Marshall Water Treatment Plant tour
- 10:00–12:00 Safety review and what electrical work you can do as a non-electrician
- 12:00–12:45 Lunch at Training Center
- 12:45–3:30 Hands-on exercises
- Electrical testing
  - Troubleshooting techniques
  - Lockout tagout
  - Voltage checks; test/size fuses
- 3:30–4:00 Q&A and recap
- 4:00–4:15 Closing remarks and wrap-up



## What do I need to bring?

Please bring appropriate attire and materials, including:

- Arc flash shield, if available
- Safety glasses
- Appropriate rubber gloves with leather protectors
- Voltage meter
- Calculator
- Commonly used hand tools for maintenance

## Certificate of achievement

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

## Registration information

### Workshop fee

- Member—\$460 per person

Must be a member to register. Registration limited to first 35 registrants. Fee includes school tuition, materials, refreshment breaks, lunch on Thursday, and a certificate of attendance. Registration fees increase \$50 on February 9, 2024. **To register, visit [mmua.org/event/water-wastewater-2024](https://mmua.org/event/water-wastewater-2024).**

**Register by February 9, 2024 for best rate. The final deadline is February 20, 2024 or when full.**

