



One-day, hands-on workshop

# Three-Phase Transformer School



## Key Training Topics

- *Single Phase Transformer Review*
- *Wye Systems*
- *Delta Systems*
- *Three Phase Transformer Theory*
- *Three Phase Connections – Hands-on*
  - Wye – Delta, 3 wire
  - Wye - Delta, 4 wire
  - Open Wye – Open Delta, 3 wire
  - Open Wye – Open Delta, 4 wire
  - Wye - Wye
- *Backfeeds*
- *Understanding Line Voltages and Line Currents*
- *Three Phase Loading Calculations*
- *Fusing Characteristics*
- *Troubleshooting*

*Training will be led by MEUW Electric Utility Safety and Training Coordinator Randy Larson*

## Dates and Locations

Monday, Jan. 17 – Fennimore Electric Utility

Tuesday, Jan. 18 – Waupun Utilities

Wednesday, Jan. 19 – Manitowoc Public Utilities

Thursday, Jan. 20 – Florence Utilities

Friday, Jan. 21 – Rice Lake Utilities

Tuesday, Jan. 25 – Arcadia Electric Utility

Training will begin at **8:15 a.m.** and conclude by **2:30 p.m.** each day.

*The schedule will include an extended mid-day break to enable attendees to get lunch on their own.*

**Register online at [meuw.org](http://meuw.org)**

*Deadline: Jan. 14, 2022*

**MEUW Member Rate: \$25 per person**

*Cancellations are subject to MEUW Policy.*

**Questions?** Call Randy Larson at (715) 559-7542

**Participants should bring the following items for training:**

- GE Transformer Manual
- Calculator (with square-root functionality)
- Pen / Pencil / Notepad
- Hard Hat and Safety Glasses
- Leather Gloves



Municipal Electric Utilities of Wisconsin