



Watt-Hour Metering Workshop



March 25 – 28, 2024 • Northeast Wisconsin Technical College, Green Bay

The watt-hour meter is often called “the cash register of the electric utility.” Metering mistakes, tampering, and improper operation can be costly. This workshop will help participants gain valuable insights and useful technical training to keep their utilities’ meters humming. **The multi-day training will offer something for electric utility employees of all experience levels**, including a review of the essentials of electric metering, combined with an in-depth discussion related to meter installation and troubleshooting. There will also be time to discuss how solar installations and electric-vehicle chargers impact metering. Workshop attendees will benefit from networking and the chance to learn from one another, including opportunities to engage with vendors who offer metering equipment.

Monday March 25	Tuesday March 26	Wednesday March 27	Thursday March 28
12:30 – 4:30 p.m. Metering Essentials	7:45 a.m. – 4:15 p.m. Advanced Metering Fundamentals	8 a.m. – 12 p.m. Modern Metering Methods	8 a.m. – 12 p.m. Timely Topics & Roundtable
	5 – 7 p.m. Vendor Show	12:30 – 4:30 p.m. Hands-on Labs	

Training will take place at **Northeast Wisconsin Technical College** — 2740 W. Mason Street in Green Bay



Registration passes are available to attend all or select portions of the four-day workshop.

Who should attend:
Electric meter technicians, superintendents, utility directors, linemen, foremen, meter engineers and electricians

Hotel information:

Workshop attendees are encouraged to take advantage of the room block at the **Oneida Hotel** (formerly the Radisson Hotel & Conference Center) in Green Bay. *To reserve a room with the special rate of \$98 (single occupancy), call (920) 494-7300. Be sure to reference MEUW and confirm your room no later than March 4.*

Register online at meuw.org

Deadline: March 22

\$125 per day for MEUW members (or \$450 for all four days)

fee includes access to workshop materials, meals and refreshments (including breakfast and lunch)

▶ **Non-members:** \$175 per day (or \$600 for all four days)

Access to Tuesday evening’s Vendor Show is included with all paid registrations

MEUW's Watt-Hour Metering Workshop 2024



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METERING ESSENTIALS

12:45 – 4:30 p.m.

Dan Salm, Meter Technician Apprenticeship Instructor at NWTC, will teach the fundamentals of basic electricity and metering terms. He will review metering terms like elements, potentials, current coils, service configurations (meter forms). He will then guide participants through hands-on practice wiring different meter socket forms.



ADVANCED METERING FUNDAMENTALS

7:45 a.m. – 12:00 p.m.

NWTC's Dan Salm will lead classroom discussions around advanced metering fundamentals including power factor, power triangles, vectors, polyphase metering, and burden testing.

12:45 – 4:15 p.m.



Participants will rotate through a series of **breakout sessions** to explore metering hardware and software, including a hands-on opportunity to wire meter sockets of various forms, and informative discussions around meter events, AMI alarms, and meter diversion.

VENDOR SHOW

5:00 – 7:00 p.m.

Check out the latest tools and technology and visit with suppliers at the **Oneida Hotel** (formerly the Radisson Hotel & Conference Center), located at 2040 Airport Drive, Green Bay



MODERN METERING METHODS

8:00 a.m. – 12:00 p.m.

John Hippensteel of NWTC will present information on grid tie PV systems, solar storage/batteries, EV charging stations, including shutdown of inverters, UL1741 standards, and shutdown center components.

12:30 – 4:30 p.m.



Participants will rotate through various lab breakout sessions providing **hands-on experience** with equipment settings of interconnections, battery banks, and more.



TIMELY TOPICS & METERING ROUNDTABLE

8:00 a.m. – 12:00 p.m.

Participants will hear topical presentations around energy tariffs, employee safety, and conflict communications, as well as a metering roundtable.

Attendees should bring the following materials to the workshop:

- Laptop with meter program
- Your utility's metering wiring diagrams
- One pre-wired meter socket
- The hand-tools you use at your utility
- All PPE you would use in the metering field (including safety glasses)
- A calculator

PARTICIPATING VENDORS



Workshop presented by

MEUW

Questions?

Call MEUW at (608) 837-2263