

The ABCs of Electric Metering



March 14-16, 2023

Northeast Wisconsin Technical College – Green Bay

The 2023 Watt-Hour Meter Institute will provide a back-to-basics understanding for anyone who needs to expand their knowledge about the intricacies of meter installations and why the details matter. Through classroom and hands-on training, the program will benefit the beginner, intermediate, and experienced utility lineworker, covering topics like verifying and identifying metering inaccuracies, and choosing the correct metering equipment. Workshop attendees will also benefit from networking and the chance to learn from one another, including opportunities to engage with vendors who offer metering equipment.

Modules

Subject matter and format



Dan Salm, Meter Technician Apprenticeship Instructor at NWTC, will teach the fundamentals of electric metering (in line with the apprenticeship curriculum) and cover topics such as calculations (vectors, timing the meter, register ratios), current transformers, potential transformers, service configurations (meter forms), power factor, and safety.



Classroom discussions and hands-on training will address meter socket basics, terminals, wiring, heating, wiring prep, connections, test switches, bypass levers, and self-shorting sockets. Participants will also troubleshoot common problems and repair meter socket wiring issues.



Workshop attendees will rotate through a series of breakout sessions to explore metering hardware and software directly with vendors who sell and service the metering equipment. Other discussions will provide an overview of voltage regulators, high-accuracy CTs, over current protection, and power quality.



Presentations and discussion related to regulatory service rules and common metering issues, the impact of electric vehicles on the power grid, as well as the growth of solar installations and how they affect electric metering.

**Tuesday
March 14**

9 a.m. – 4:30 p.m.



Electricity and
Metering
Fundamentals

5 – 7 p.m.

Vendor Show
featuring

**Wednesday
March 15**

7:30 a.m. – 12 p.m.



12:30 – 4:30 p.m.



**Thursday
March 16**

8 a.m. – 12 p.m.



Registration Fees (per person)

Blue Pass **\$350** Modules A & A+ (Tue/Wed)
 Green & Gold Pass **\$275** Modules B & C (Wed/Thur)
 All Access Pass **\$450** Modules A, A+, B & C

Fee covers materials plus lunches and snacks

REGISTER ONLINE AT MEUW.ORG BY MARCH 10

A block of rooms has been reserved at the **Best Western Green Bay Inn & Conference Center**, 780 Armed Forces Drive, Green Bay (also the site of Tuesday evening’s Vendor Show). To reserve a room with the special rate of \$94 per night, call the hotel directly at (920) 499-3161 by March 13 and reference the MEUW Watt-Hour Meter School. Breakfast is included in the room rate.

Questions? Contact Randy Larson at (715) 559-7542