METERING II

SEPTEMBER 24- 26, 2024

Held at:
NEPPA Training Center
(200 New Estate Road
Littleton, MA 01460)

Northeast Public Power Association
est. 1965

NEPPA's **Metering II Program** will be held **September 24- 26, 2024** at the **NEPPA Training Center** (200 New Estate Road, Littleton, MA 01460).

NEPPA's Metering II Program is designed to build upon the introductory concepts of Metering I. Metering II explores advanced application of concepts, how to apply theory in practice and understand system design elements and equipment.

Upon successful completion of the Program, including a final exam, students are awarded a Certificate of Completion.

WHO SHOULD ATTEND

This course is designed for:

- Intermediate or Transitioning Meter Technicians
- Lineworkers
- Supervisors or Managers transitioning from other departments

LEARNING OBJECTIVES

Upon completion of the program, participants will be able to successfully:

1. Demonstrate a foundational knowledge of how electricity is measured through meters.
2. Practice advanced applications of meter installations and measurements.
3. Apply advanced programming, testing and design concepts to real-world applications.
4. Develop a system design that demonstrates a deep understanding of the system's configuration.
5. Recognize applicable standards and specifications such as the National Electrical Safety Code (NESC).
6. Demonstrate an understanding of meter multipliers.
7. Test the impacts of metering on billing and revenue protection.

PREREQUISITES

Students are expected to have completed NEPPA's **Basic Electricity and Mathematics for Utility Operations** and **Metering I** programs, and/or demonstrate a solid understanding of basic electricity concepts, theory, and mathematics through prequalification testing.

SUPPLEMENTAL MATERIALS

In addition to the student binder with module printouts, students are provided with the following supplemental materials*:

- Program T-Shirt
- Calculator
- Meter Socket Checks Handbook

** Materials will be provided for participants who have not already received equipment in other programs.*

TESTING

Final Exam (25 Questions)

REGISTRATION FEES

Registration fees include coffee and lunch each day. If you have any dietary restrictions or considerations, please make note on your registration.

Members:	$1,450
Non-Members	$2,260

CANCELLATION POLICY

Cancellations are accepted until September 10, 2024. Substitutions may be made at any time prior to the start of the first session.

INSRUCTOR:

Tim Richardson, P.E.
Safety & Technical Trainer

Tim Richardson joined NEPPA in September of 2019 and has been an asset to the training team. Tim has a long history working in the electric utility industry, including as General Manager of Belmont Municipal Light Department from 1995 – 2007.
Most recently, Tim has worked as Principal of Fundy Power Services, LLC and at Consulting Engineers Group prior to that.
Tim brings a wealth of both technical and safety expertise to the organization and applies his expertise of both in an easy-to-understand and easy-to-learn approach.

AGENDA

Tuesday, September 24 – Thursday, September 26, 2024

Agenda details are subject to change.

Tuesday, September 24, 2024

Day 1

8:00 am	Welcome & Introductions
8:15 am	Electric Circuits
9:45 am	Break
10:00 am	Polyphase Systems
12:00 pm	Lunch
12:30 pm	Polyphase Systems (Cont.)
2:00 pm	Demand and Time of Use Meters
2:30 pm	Adjourn

Wednesday, September 25, 2024

Day 2

8:00 am	Instrument Transformers
9:00 am	Break
9:15 am	Instrument Transformers (Cont.)
12:00 pm	Lunch
12:30 pm	Instrument Transformers (Cont.)
2:00 pm	AC Power Measurements
2:30 pm	Adjourn

Thursday, September 26, 2024

Day 3

8:00 am	Meter Applications
9:00 am	Break
9:15 am	Meter Applications (Cont.)
11:00 am	Billing Constants for Complex Metering Instructions (CMI) Applications
12:00 pm	Lunch
12:30 pm	Complex Metering Instructions (CMI) Circuit Phase Measurements & Plotting
2:00 pm	Final Exam
2:30 pm	Review, Evaluations & Certificates of Completion