



NEPPA's **Metering I Program** will be held **April 5-6, 2022**, at the **NEPPA Training Center** (200 New Estate Road, Littleton, MA 01460).

NEPPA's Metering I Program is designed to be an introduction to the fundamentals of meter equipment and safety. The Program will introduce how meters are used as an integral part of the distribution system and why their accurate and efficient readings are critical to a utility's success.

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

## WHO SHOULD ATTEND

This course is designed for:

- New 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/introductory knowledge of meter use, demand and digital vs. analog meters.
2. Practice hands-on safe installation and removal of a meter.
3. Calculate and demonstrate the safe measurement of electricity.
4. Recognize meter theft, revenue protection controls, and how to safely install service and conduct inspections.
5. Demonstrate a basic understanding of net metering, demand metering and reverse metering.
6. Accurately identify faulty equipment and troubleshoot solutions.

## COURSE PREREQUISITES

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

## TESTING

Final Exam (25 Questions)



## AGENDA

*Agenda details are subject to change.*

### April 5 -6, 2023

#### Day 1

8:00 am Welcome & Introductions  
8:15 am Safety in Metering  
8:45 am Break  
9:00 am Introduction to Metering  
10:30 am Break  
10:45 am Mathematics for Metering  
Personnel  
11:30 am Lunch  
12:00 pm Review of Electric Circuits &  
Electrical Theory  
1:30 pm Demand Meters  
2:30 pm Review and Q&A  
3:00 pm Adjourn

#### Day 2

8:00 am Revenue Protection  
9:00 am Break  
9:15 am Introduction to Distributed  
Generation (DG) & Net Metering  
Techniques  
10:15 am Break  
10:30 am Metering Applications &  
Troubleshooting  
11:30 am Lunch  
12:00 pm Metering Applications &  
Troubleshooting (Cont.)  
2:00 pm Final Exam  
2:45 pm Certificates of Completion

## INSTRUCTOR

### Tim Richardson, P.E., Technical & Safety 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, Belmont Municipal Light Department from 1995 – 2007. There he served in many management capacity including General Manager.

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.

