

Course: Meter Technician – Level 1

For registration, please contact Angela Graham, Hydro One Work Methods & Training at 1-877-647-2872 ext. 2003, or email at angela.graham@hydroone.com

This session introduces the apprentice to the metering field while covering the following topics:

1. Single phase watt hour meter operation
2. Three phase system characteristics (Delta systems)
3. Standard metering applications and installations on Delta
4. Billing procedures, principals of demand, installation of self contained and transformer type meters
5. Theft of power - residential

Pre-course Requirements:

Theory Qualifying Test covering the following: atomic structure, basic electrical quantities and their relations, series and parallel circuits, series - parallel circuits, magnetism and electromagnetism, sine wave generation and components, semiconductor diodes, electrical meters, inductance, inductive reactance, impedance, capacitance, capacitive reactance, RCL series circuit solving and phasors, RCL parallel circuit solving with phasors, transformers, basic three-phase theory.

Date(s):	February 1 – 12 November 15 – 26	Cost:	\$3354.00 + GST
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Course Length:	9 ½ days	Location:	Kleinburg Training Ctr.
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Prerequisites & Pre-course requirements:	Theory Qualifying Test covering the following: atomic structure, basic electrical quantities and their relations, series and parallel circuits, series - parallel circuits, magnetism and electromagnetism, sine wave generation and components, semiconductor diodes, electrical meters, inductance, inductive reactance, impedance, capacitance, capacitive reactance, RCL series circuit solving and phasors, RCL parallel circuit solving with phasors, transformers, basic three-phase theory.
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Accommodation/ Meals:	Accommodation (Pg.6) is the responsibility of employer. Lunch will be provided by Training Agency.
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Course: Meter Technician – Level 2

For registration, please contact Angela Graham, Hydro One Work Methods & Training at 1-877-647-2872 ext. 2003, or email at angela.graham@hydroone.com

Building upon the skills learned in Level I, this session covers the following topics with both classroom and practical work:

1. Three phase Delta systems continued with cross phase analysis
2. Three phase Wye systems characteristics & cross phase analysis
3. Network Metering Analysers
4. Use of Power Mate Meter Analysers

Date(s): October 18 – 29 or November 1 – 12 **Cost:** \$3354.00 + GST

Course Length: 9 ½ days **Location:** Kleinburg Training Ctr.

Prerequisites & Pre-course requirements: Completion of Meter Technician Level I

Accommodation/Meals: Accommodation (Pg.6) is the responsibility of employer. Lunch will be provided by Training Agency.

Course: Meter Technician – Level 3

The final course towards the Journey person status includes the following topics:

1. Primary metering techniques, Installation troubleshooting and billing errors
2. Capacitive corrections, totalization of customer feeders
3. MV90 overview
4. Introduction to Digital Metering

Date(s): February 22 – March 5 or Sept. 20 – October 1 **Cost:** \$3354.00 + GST

Course Length: 9 ½ days **Location:** Kleinburg Training Ctr.

Prerequisites & Pre-course requirements: Completion of Meter Technician Level II

Accommodation/Meals: Accommodation (Pg.6) is the responsibility of employer. Lunch will be provided by Training Agency.

Certification:



The successful completion of the session combined with appropriate experience entitles the participant to The MEARIE Group's Certificate for registration as a Meter Technician.

Course: **Meter Technician – Proficiency**

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This course is to be delivered to Journeyperson Meter Technicians. It will review topics delivered in the apprenticeship program. These topics will include various types of meters and meter installations, government standards and regulations, communications, safety topics, phasor analysis and new technologies.

Date(s): Nov. 29 – December 3 **Cost:** \$1609.00 + GST

Course Length: 4 days – starting noon Monday ending noon Friday **Location:** Kleinburg Training Ctr.

Prerequisites & Pre-course requirements: Completion of the Meter Technician Apprenticeship program

Accommodation/Meals: Accommodation (Pg.6) is the responsibility of employer. Lunch will be provided by Training Agency.

