



10th Annual Minnesota Electric Meter School

Roseville, MN
September 11-13, 2017

Monday, September 11

Time	Track 1	Track 2	Track 3
10:00 AM - 12:00 PM	Registration and Check-In		
12:00 PM - 12:15 PM	Welcome [Board Member]		
12:15 PM - 2:00 PM	"Un-blurring the Line" between Electrician and Meter		
2:00 - 2:15 PM	Break		
2:15 PM - 2:55 PM	Advance Grid Modernization Overview		
2:55 PM - 3:00 PM	Speaker - Transition		
3:00 PM - 3:45 PM	PPE Safety Session		
3:45 PM - 3:50 PM	Speaker - Transition		
3:50 PM - 4:45 PM	Introduction to Meter Testing	Field Testing Customer Installations	
5:00 PM - 7:00 PM	Vendor Hospitality Reception / Exhibits		

Tuesday, September 12

Time	Track 1	Track 2	Track 3
7:00 AM - 8:00 AM	Hot Breakfast		
7:30 AM - 8:00 AM	Homework Session by Attendees, Optional		
8:00 AM - 9:00 AM	History of Electric Metering (1.1)	Polyphase Metering Review (2.1)	Meter Site Analysis (3.1)
9:00 AM - 9:05 AM	Transition		
9:05 AM - 10:00 AM	Meter Electricity Basics (1.2)	Overview of Electrical Schematics and Drawings (2.2)	Transformer/Line Loss (3.2)
10:00 AM - 10:15 AM	Break		
10:15 AM - 11:00 AM	Introduction to Single Phase Metering (1.3)	Reactive, TOU, and Load Profile Metering (2.3)	Net Metering Applications (3.3)
11:00 AM - 11:05 AM	Transition		
11:05 AM - 12:00 PM	Meter Forms, Applications and Math Review (1.4)	Reactive, TOU and Load Profile Metering (cont.) (2.3)	Using AMI Meters for IVVC/CVR, or Alphabet Soup (3.4)
12:00 PM - 1:00 PM	Lunch		
1:00 PM - 2:00 PM	Why we test: Accuracy and Traceability (1.5)	Distributed Generation Metering (2.4)	Power Quality and Metering (3.5)
2:00 PM - 2:05 PM	Transition		
2:05 PM - 3:00 PM	Shop & Field Testing Single Phase Meters (1.6)	Instrument Transformer Theory and Applications (2.5)	Power Quality and Troubleshooting Lab - Hands-on Session (3.6)
3:00 PM - 3:15 PM	Break		
3:15 PM - 5:00 PM	Shop & Field Testing Single Phase Meters - Hands-on Session (1.7)	Applications and Wiring of Instrument Transformers - Hands-on Session (2.6)	Power Quality and Metering Troubleshooting Lab - Hands-on Session - cont. (3.6)
5:45 PM - 7:00 PM	Dinner Reception		

Wednesday, September 13

Time	Track 1	Track 2	Track 3
7:00 AM - 8:00 AM	Hot Breakfast		
8:00 AM - 9:00 AM	Hot Socket Issues, Site Inspection Basics (1.8)	Meter Mis-Applications (2.7)	Troubleshooting Communications (3.7)
9:00 AM - 9:05 AM	Transition		
9:05 AM - 10:15 AM	Demand Metering Basics (1.9)	Introduction to Communications (2.8)	Meter Telemetry Configuration and Scaling (3.8)
10:15 AM - 10:30 AM	Break		
10:30 - 11:15 AM	Metering Utility Rates (1.10)	Proper Grounding and Bonding Techniques (2.9)	Energy Calibration, Accuracy, Traceability (3.9)
11:15-11:20 AM	Break - Open Dividers		
11:20 AM - 12:00 PM	Round Table - Topics in Metering, Q & A [Robert Pillsbury - Moderator]		