



Municipal Electric Utilities of Wisconsin
presents

LINEMAN UNIVERSITY

February 4, 2020

Chippewa Valley Technical College
Eau Claire

Lineman “U” is refresher training for the experienced lineworker. The day-long session offers numerous technical and safety presentations, hands-on training, the latest equipment, and many networking opportunities!

Who Should Attend?

This is valuable training for those who work in the field of electric power systems, construction, and maintenance. All journeymen lineworkers, crew leaders, foremen, groundmen, operations personnel, and related occupations with 1 to 50 years of experience are encouraged to attend. Apprentices are not recommended, as this is a refresher training course for the experienced lineworker.

LEARNING TOPICS

8:00 to 8:55 a.m.	Electric Vehicles	Cardinal-Hickory Creek Transmission Line Project	Connector College
9:00 to 9:55 a.m.	Emergency Response	Safety Awareness	
10:00 to 10:55 a.m.	Overcurrent Devices	Care and Use of Arc-rated Clothing	Connector College and Tool Ergonomics
11:00 to 11:55 a.m.	Wind Power	Commercial Drone Technology	
12:00 to 12:45 p.m.	— Networking Lunch —		
12:45 to 1:45 p.m.	Human Trafficking		
1:45 to 2:45 p.m.	Care, use, testing of rubber blankets, hoses, fiberglass sticks: What’s the difference between direct contact and brush contact PPE?		
2:45 to 3:00 p.m.	— Networking Break —		
3:00 to 4:00 p.m.	Kids just jumped off the UD cabinet and I have to wear my rubber gloves to open it?		

Training Location

CVTC Energy Education Center

4000 Campus Road, Eau Claire, Wis.

A room block has been reserved at the Holiday Inn Eau Claire South, 4751 Owen Ayres Ct., Eau Claire. To reserve a room, call the hotel directly at (715) 830-9889 and ask for the MEUW rate.

Register online at meuw.org

Deadline: January 31

MEUW Member Rate: \$275 per person

Non-MEUW Member Rate: \$325 per person



8 a.m.

Electric Vehicles – Electric vehicles and what are they all about? As households start to acquire EV's, loads will increase, service sizes will need to increase and what about demands? This session may help prepare your utility for the future EV loads. *Session Leader: Jeff Springer, Dairyland Power*

Cardinal-Hickory Creek Transmission Line Project – An update of the project area from Dubuque County, Iowa, to Dane County, Wisconsin, has been identified for the approximately 102-mile, 345-kilovolt line. Studies indicate that the Cardinal-Hickory Creek Project is a project that will improve electric system reliability locally and regionally, expand infrastructure to support greater use of renewables, and deliver economic benefits for utilities and electric consumers. *Alissa Braatz, American Transmission Co.*

Connector College – Backed by popular demand. Are you using the correct style of connector to make that effective connection? Can you put use that connector with that type of wire? What makes a perfect connection? These questions will be answered during this training session. Some of the connections you have made may not be as effective as you thought. *Burndy*

9 a.m.

Emergency Response – You are a critical component of a community emergency response system. It is more than power ... Public Safety, Public Information, Preparedness, Response Coordination, and Response Communication. Understand the threats and your capabilities and plan for what you can do, not what you want to do! *Peter Jensen, Deputy Team Leader, Southeast Wisconsin Incident Management Team and retired FEMA/Department of Homeland Security*

Safety Awareness: What You Need to Know – This session will give you an overview of general construction safety and to be more aware of the dangers which may be hiding at the jobsite. The session leader is very knowledgeable in all aspects of the safety world; this won't be your typical safety training session. *Sean Wall, Senior Regional Safety Coordinator, MEUW*

10 a.m.

Overcurrent Devices – This session will review the operation of overcurrent devices. Review of the “old” stuff and up-to-date of overcurrent protection devices. Using and understanding the new electronic devices makes our work safer by reducing arc flash issues due to the technology in these units. Leaving this session may give you more variables and understanding what your devices can do. *Eaton*

Care and Use of Arc-rated Clothing – Since the mid '90s, the utility industry has been required to supply employees to wear flame retardant (now arc-rated clothing is mandated) in locations where employees can experience and arc or a spark. As you depend on this personal protective clothing, are you taking care of these garments so it will protect you in case of an arc flash? This informative session will discuss the fundamentals of the clothing and at your home's general cleaning and care procedures; including wash water temperature settings, using certain detergents, the use of fabric softener, and washing separately from other garments to avoid damaging the luminescent effect. The information you receive may surprise you. *Caleb Churchill, Territory Sales Manager, VF Workwear*

Connector College and Tool Ergonomics – This session will review the information that was shared in the last session of the connector college, but this session will demonstrate tools which can help prevent the lineman “breaking down” with injuries which develop after continuous use of tools which can stress the body's muscles and joints. *Burndy*

11 a.m.

How is Wind Power Affecting the Power Grid? This session will give you the progression of wind power on the grid. You may be surprised how much wind power is available on the grid. You will see the amount of wind generated power is being generated daily compared to coal power plants. If the wind does not blow, now what? *WPPI Energy.*

Benefits of Commercial Drone Technology – Aerial platforms are rapidly becoming vital tools for energy businesses looking to more efficiently collect information crucial to their operations. Drones provide access to hard-to-get-to locations by getting right up next to the blade and taking 3-D pictures that show any dents or holes. Using drones are a safe and efficient alternative method that is becoming the norm for all energy inspections. *Timothy Wildes, Founder & CEO, Hawk-i Drones*

12:45
p.m.

Human Trafficking –Fierce Freedom educates and raise awareness about human trafficking in northwest Wisconsin, educating the public about the fact that human trafficking isn't just something that happens only in overseas, third-world countries or in large cities. This crime against the most vulnerable among us occurs right here in the United States, right here in the Midwest, right here in rural Wisconsin. *Fierce Freedom*

1:45
p.m.

Care, use, testing of rubber blankets, hoses, fiberglass sticks. What is the difference between direct contact and brush contact PPE? – Caring for fiberglass tools and rubber goods may be something we should more often than once a year when you have them tested. This session will review the caring for your insulated goods along with how to safety use these important tools. Can I lay a hose on a wood crossarm with an energized phase in it? We will review the difference between primary and secondary PPE. *Hubbell*

3 p.m.

Kids Just Jumped off the UD Cabinet and I must Wear My Rubber Gloves to Open It? – You may have said this in the past when you approached the underground cabinet. Our safety manuals clearly state we need to wear high voltage rubber gloves from lock-to-lock. Work procedures will be discussed from the point that we make the plan to open the metal cabinet and discuss the unknowns which could lie behind the cabinet's lid/door. We will also demonstrate one of the dangers that could lurk on a UD cabinet/transformer setting ... HIGH VOLTAGE. This will be demonstrated in the Hot Lab; discussion will help reinforce the safety rules along and strengthen awareness of the potential dangers a lineman could encounter at an underground setting. *Randy Larson, Electric Utility Safety and Training Coordinator, MEUW*

Questions?

Call the MEUW Office at (608) 837-2263
or contact Randy Larson directly at
(715) 559-7542



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