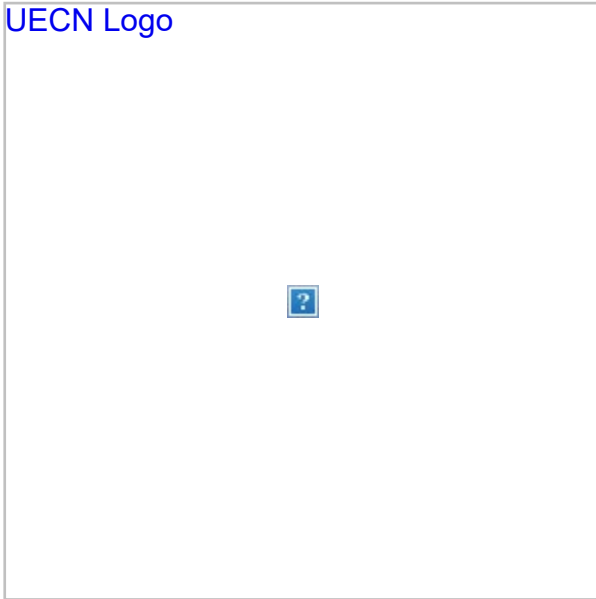


From: [Amy Kox](#)
To: [Willems, Bonnie M.](#)
Subject: April E-Newsletter - Utilities and Energy Coordination Network
Date: Tuesday, April 19, 2022 2:01:49 PM

UECN Logo



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Building a Skilled Energy Workforce Together April 2022 E-Newsletter

Share this newsletter with others who may be interested in helping the Utilities and Energy Coordination Network (UECN) meet its goals:

- Increase number of programs offered
- Graduate more students to meet workforce needs
- Train faculty on the latest industry trends and technology

Join UECN now!

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Grant Updates

New UECN Collaboration: NWTC continues to collaborate with Frontier Community College in Fairfield, IL to start a Gas Utility Construction and Service program. This collaboration was brought forward by UECN member Jack Tribe.

Infrastructure Legislation: Recently Congress passed President Biden's **Bipartisan Infrastructure Law** (Infrastructure Investment and Jobs Act). It is intended to rebuild roads, bridges & rails; expand access to clean drinking water; ensure access to high-speed internet; tackle the climate crisis; advance environmental justice; invest in communities; and create an anticipated 700,000 new jobs. We welcome your feedback on its impact to the energy industry.

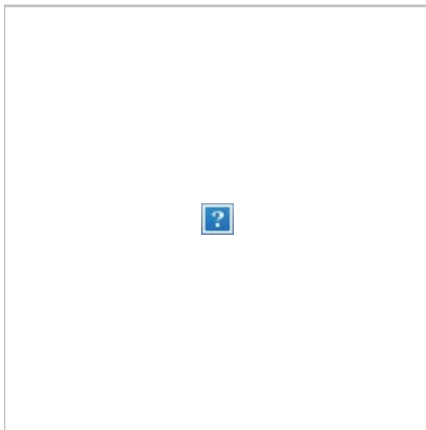
Communications Platform: Our communications platform is a work in progress. There has been little activity on the Microsoft Team site. Still in the works is an interactive Member Forum where information can be shared among members.

Surveys: Thank you to all who participated in the Gas Utility and Construction survey. Results are being evaluated and will be shared when available. Watch for the Energy Management Technology survey soon.

This Fall, watch for a Network Survey. The March 2021 survey provided baseline data about existing networks and relationships between industry organizations and educational institutions, as well as college programs. The Fall 2022 survey will update info and assess progress to help grow participation and develop additional member connections. We hope you'll take a few minutes to share your perspective.

Survey questions? Contact Kathleen Dean: kdean@therucksgroup.com

Upcoming Trainings and Seminars



NWTC Transformer Workshop

*Monday, April 25, 2022, 8:00 a.m. –
Thursday, April 28, 2022, 4:30 p.m.*

This class is designed to simplify the complex concept of why and how single-phase transformers work when banked together. **[Get information or enroll.](#)**

More training opportunities

- **NWTC Corporate Training and Economic Development (CTED) Training & Seminars:** CTED offers a wide range of specific training that brings together industry experts, relevant topics, and best practices to impact workplace performance. **[Find or register for training online.](#)**

- **Center for Renewable Energy Advanced Technological Education (CREATE):** Find a complete list of training opportunities on the [CREATE website – createenergy.org](http://createenergy.org)
- **Slipstream:** For a complete list of Slipstream in-person and online training opportunities, [visit their website](#).
- **Green Buildings Career Map:** Explore [Interstate Renewable Energy Council \(IREC\)](#) 's interactive tool exploring careers in green buildings and energy efficiency. [View the Green Buildings Career Map](#).

To have your training opportunities listed, email bonnie.willems@nwtc.edu.

This and That

Job Opportunities: Looking to build your workforce? Let NWTC help post jobs.

- [State of Wisconsin - TechConnect](#)
- [Nationally – Handshake](#)

Interested in teaching? NWTC is looking for a Gas Utility Construction & Service Instructor. [Get details and apply](#) (search job number 602443).

Great Lakes Energy Education Center

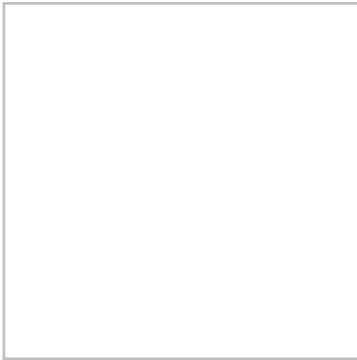
During a [recent visit](#) from Wisconsin Lt Gov. Mandela Barnes and Green Bay Mayor Erich Genrich, Energy Management and Solar Students were optimistic about their future in clean energy careers. They spoke highly of the hands-on, community-based projects they work on, like energy benchmarking for the city and our current energy audit at the County's NEW Zoo.

Graduation caps in sunlight



Energy Management Technology

In March, Energy Management, Solar Energy and other NWTC departments provided a glimpse into our industries to 2,000+ middle school students at the Find Your Inspiration event at the Green Bay KI Center. Students got a feel for the effort required to produce energy by riding a bike



connected to a generator that powered a variety of loads.

Telecommunications

This semester students installed a lighting system on the tower, trouble shot and decommissioned it. They also learned about all the wireless RF characteristics and behaviors and how they impact wireless networks. Now they are learning about different kinds of cables and how to make, then terminate them. Finally, students will do a full tower inspection.



Solar Technology

- First year students will do a solar site assessment for the City of Green Bay on an old building slated for renovation. They will learn to use site assessment tools to optimize potential systems designs and equipment selection.
- Some second-year students are preparing to install a 20 KW ground mount PV array that will compare energy production of 10 KW of bifacial modules to 10 KW of monocrystalline modules. Bifacials are expected to produce 15% or more energy while also improving on snow melt.
- Others will do final connections on the small trickle charging wind turbine mounted on a pole near the substation control house. It will help to maintain the control house battery banks. The interface of the backup generator to the battery-based power center has been completed.

Electrical Power and Gas Utility Graduation

On March 9, this year's Electrical Power and Gas Utility students participated in a condensed graduation ceremony. The ceremony is held early each spring to honor these students. Most of them will be working full time when the official commencement is held in May. Congratulations, graduates!



Connect With Us

Visit our website: nwtc.edu/EnergyNetwork

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