

# 2023 Underground School

## Date, Time and Location:

June 6-8, 2023 • The meeting will begin outside on the MTC training grounds at 1 p.m. on June 6, with registration beginning at 11 a.m., and conclude at noon on June 8.

## Location:

Mitchell Technical College in Mitchell, S.D.

## Room Reservations:

Contact the Comfort Inn and Suites directly by calling 605-990-2400 and asking for the SDREA Underground School room block. Room rate is \$109 plus tax. **Cut-off date is May 29.**

## Registration:

Register by **May 31** online at: <https://www.sdrea.coop/>

## Additional Information:

This year's URD school will be a hands-on training. We ask that you show up ready to work with hard hats, safety glasses, leather gloves and URD tools.

*This course is part of the SDREA Education Package B.*

*If you did not purchase Package B, then the fee is \$650 plus tax per participant.*



SOUTH DAKOTA RURAL ELECTRIC ASSOCIATION

A Touchstone Energy® Member



## TUESDAY, JUNE 6

- 11 a.m. Registration – Mitchell Technical College**
- 1 p.m. Competent Person Training for Trenching and Shoring – Roger Solberg**  
Roger is a former instructor at Northwest Iowa Community College. Roger will be teaching an in-depth look at Trenching and Shoring.

## WEDNESDAY, JUNE 7

- 8 a.m. Theory of Locating - Gary Grimms, Locators & Supplies, Inc.**  
This class will assist in developing the understanding and skills needed to perform accurate underground utility locates. We will cover the science and theory behind locating, along with best practices and troubleshooting techniques for those difficult locates. There will also be an opportunity to discuss fault to ground fault finding if the attendees desire.
- 10 a.m. Break**
- 10:15 a.m. SMARTSHORE™, Inflatable Trench Shield - Joe Rubbrlike & Supplies, Inc.**  
SMARTSHORE™, inflatable trench shield developed by PRONAL, is certified in all 50 states. It is approved for a maximum depth of four feet for the smallest size and eight feet for the largest size in soil types A, B and C60. SMARTSHORE™ is the perfect solution to secure excavations for quick maintenance operations on utilities as well as for first responders for trench rescue operations.
- 11 a.m. Theory of Thumping Underground Cable – Zach Hewitt, Rushmore Electric**  
Zach will be discussing the proper use of a thumper to locate an underground fault. This training will provide best practices and proper use of an thumper.
- Noon Lunch, Sponsored by RESCO at Blarneys'**
- 1 p.m. Electrical Phenomenon of Ferroresonance – Ted Smith, Sioux Valley Energy**  
Ted will be discussing the effects of Ferroresonance in Underground systems.
- 2 p.m. Map reading for sectionalizing**  
This map reading session will be group exercises to determine the best way to sectionalize an underground fault using real life maps. We will break into multiple groups, and they will use provided maps to read and understand the switching that is needed to isolate a section of faulted line.
- 3 p.m. Break**
- 3:15 p.m. Continue with map reading**

## THURSDAY, JUNE 8

- 8 a.m. Cable Prep, Jim Stephens-3M**  
Hands-on cable preparation training and best practices.
- 10 a.m. Closing & Evaluations**