



Michael L. Terbrueggen, CEO, O-T-S

Mike Terbrueggen was born in Detroit, Michigan. After high school graduation he entered the U.S. Army and was stationed at Fort Carson, Colorado. He was in the 4th infantry with the 4th Combat Engineers. Mike has two daughters, one son, two grandsons, and two granddaughters and lives in Longmont, Colorado, where, in his spare time, Mike enjoys golf, music, and home-improvement projects.

Mike's undergraduate degree is from Michigan (Go Blue!) and is in Electronics Engineering. His graduate degree is from the University of Colorado and is in Power Engineering.

Mike formed Operations-Training-Solutions in 1994. He is the CEO and Principal Engineer. He designs, develops, and delivers advanced training seminars, develops training programs and materials, and provides consulting services for power operations and engineering personnel.

NERC
NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Operations-Training-Solutions (O-T-S_001) and Otter Tail Power Company (OTP_002) are recognized by the North American Electric Reliability Corporation as a continuing education provider who adheres to NERC Continuing Education Program Criteria



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2018 NERC Reliability Standards Training

Otter Tail Power Company
is proud to host the
**NERC Reliability
Standards Training**
November 5-8, 2018
Bigwood Event Center
Fergus Falls, Minnesota

2018 NERC Reliability Standards Seminar

Otter Tail Power is proud to announce a training course designed for existing Power Professionals involved in the Operation of the Bulk Electric System. The course will be featuring Mike Terbrueggen CEO and Principal Engineer of Operations Training Solutions (O-T-S) as the primary instructor.

This 32 hour NERC CEH approved course will cover an in-depth review of the NERC Reliability Standards. This course both provides a comprehensive overview of the NERC Standards currently in effect, but also explores future revisions that are currently underway providing Power System Operators and their support staff with a very practical interpretation of the application of the NERC Standards.

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Agenda

Monday, November 5, 2018

0800-1700

BAL—This activity includes an explanation of the generation control process and NERC's requirements for generation control.

Tuesday, November 6, 2018

0800-1700

CIP—Requirements for protecting key cyber infrastructure such as SCADA systems.

COM—Review of NERC's Standards as they relate to operations communications.

EOP—A review of NERC's Standards as they apply to emergency operations.

FAC—Briefly examine these Standards as they are more planning related than operations.

MOD—Addresses the data needed to perform system computer simulations.

Wednesday, November 7, 2018

0800-1700

INT—A review of NERC requirements with respect to the interchange process.

IRO—A description of NERC's Standards as they apply to the duties of a Reliability Coordinator.

PER—A review of NERC's requirements for system operators.

PRC—A review of basic protection principles and NERC's protection requirements.

Thursday, November 8, 2018

0800-1700

TOP—An explanation of NERC Standards as they relate to transmission operations.

TPL—Standards requirements addressing planning issues.

VAR—A review of the voltage control process and NERC's VAR Standards.

Registration form

Cost is \$1,200.00 per attendee. This includes hotel breakfast, breaks, and lunches.

Name _____

Company _____

Billing address _____

Phone _____

E-mail _____

NERC Cert# _____

Method of payment

Bill me Check

Hotel accommodations

Country Inn & Suites (Bigwood Event Center)

A block of 10 rooms has been held from Sunday-Thursday for the week. Rooms are blocked under Otter Tail Power Company Training.

Room rate

\$90.00 for Otter Tail Power Company
Government rate upon request

Country Inn & Suites: 218-739-2211

Toll free: 1-800-830-5222

925 Western Ave., Fergus Falls, MN 56537

E-mail: cx_ffmncountryinn.com



For registration:

Tammy Smith

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