



**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 and Otter Tail Power Company are recognized by the North American Electric Reliability Corporation as a continuing education provider that adheres to NERC Continuing Education Program Criteria.



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**2017
NERC Reliability
Standards
Certification
Prep Seminar**

Otter Tail Power Company
is proud to host the

NERC Reliability

Standards Certification Prep

Seminar

March 6-10, 2017

**Bigwood Event Center
Fergus Falls, Minnesota**

2017 NERC Reliability Standards Certification Prep Seminar

Otter Tail Power Company is proud to announce a training course designed for **NEW Power System Operators preparing to take the NERC Certification Exam.**

The course will feature 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 include an in-depth review of the NERC Reliability Standards. Each student will be given full access to the NERC Certification Prep Course Material in the Otter Tail Power Company System Operator Training Solution (SOTS), which is our online LMS. This allows access to more than 32 hours of online instruction and a multitude of practice exam questions meant to mimic the format and topical areas covered in the NERC Exam. Each student also will be given a text book to complete prior to the course classroom delivery. This course serves as an excellent preparation for any of the four NERC Certification Exams.

Agenda

Monday March 6, 2017

0800-1700

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

Tuesday March 7, 2017

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—Review of NERC's Standards as they apply to emergency operations.

FAC—Brief examination of these Standards because they are more planning-related than operations.

MOD—The data needed to perform system computer simulations.

Wednesday March 8, 2017

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 March 9, 2017

0800-1700

TOP—An explanation of NERC's 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.

Friday March 10, 2017

0800-1300

Instructor Q&A session with topics of the students' choosing in final preparation for the NERC Exam.

Registration form

Cost is \$2,500.00 per attendee. This includes breakfasts, breaks, and lunches.

Name _____

Company _____

Billing address _____

Phone _____

E-mail _____

NERC Cert# _____

Method of payment

Bill me Check

Hotel accommodations

Best Western - The Falls Inn and Suites (Bigwood Events 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

\$89.99 for Otter Tail Power Company

\$89.00 for Government - single occupancy

Best Western Inn: 218-739-2211

Toll free: 1-800-293-2216

925 Western Ave., Fergus Falls, MN 56537

E-mail: www.bestwestern.com



For registration:

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