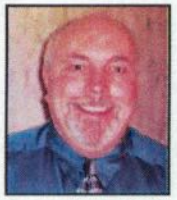

Pat Everly
President/Instructor

Pat Everly has almost 25 years serving many roles in the electric industry. Pat started his career with Philadelphia Electric Company in 1979 and spent the first 11 years in electric production. These eleven years were spent in both nuclear and fossil generation facilities. Pat's exposure in the fossil generation environment covered all facets of the industry with coal, gas, oil, and dual fuel facilities. This provided Pat with working experience with combustion turbines, once thru and drum-type boilers, demineralization and wastewater plants, along with SO2 flue-gas scrubbing plants.

Pat then moved onto the Pennsylvania, New Jersey, and Maryland Interconnections where he gained extensive experience in the operation of the first power pool in North America. At PJM, he worked in system operations before moving into the role of the Training Supervisor for the PJM System Operating Personnel. It was during this time that simulation scenarios were, not only incorporated into the normal training cycle, but also utilized in the control room position qualifying tests. While filling this training role at PJM, Pat served as the Chairperson of the PJM Dispatcher Training Task Force, Vice-Chair of the NERC Certification Examination Working Group, and continues today to serve as the Chairperson for the IEEE Working Group for System Operator Training. In addition to the role he played in System Operations training, Pat was also involved with the training efforts for PJM markets that included Market Based Rate, the PJM Regulation Market, and the PJM Two-Settlement System.

Pat left PJM to join the NERC staff as Manager - Certification. In this role, he was responsible for the administration assistance for the WECC System Operator Certification Program and the PJM System Operator Certification Program. In addition to the personnel certification responsibilities, Pat also participated in many Control Area Certifications and Reliability Coordinator Audits. Both of these efforts included reviews of training programs for System Operators. Pat has also been a guest speaker at the Iowa State System Operator Short Course, American Power Dispatcher Association Meetings, and various regional seminars throughout North America.

Email: peverly@oesna.com

Mike Terbrueggen
CEO, O-T-S

Mike Terbrueggen was born in Grosse Pointe, Michigan in 1954. He graduated from De La Salle High School in 1972. Upon graduation in 1972 he entered the U.S. Army and was stationed in Colorado Springs, Colorado. He was in the 4th infantry with the 4th Combat Engineers. He has two daughters, one son, two grandsons, and two granddaughters and lives in Longmont, Colorado where, in his spare time, enjoys golfing and hiking. Mike's undergraduate degree is from Michigan and is in Electronics Engineering. His graduate degree is from University of Colorado and is in Power Engineering. Mike formed Operations-Training-Solutions in 1994, is the CEO and Principal Engineer, and designs, develops, and delivers advanced training seminars, develops training programs and materials, and provides consulting services for power operations and engineering personnel.

OTTER TAIL POWER COMPANY

MISO

GREAT RIVER ENERGY

Minnkota Power COOPERATIVE, INC.

Western AREA POWER

MONTANA-DAKOTA UTILITIES CO. A Division of MDU Resources Group, Inc.

Xcel Energy® RESPONSIBLE BY NATURE™

2017 FALL PSR DRILL AND TRAINING

Otter Tail Power Company is proud to host the

2017 DAK-SUBREGION FALL PSR DRILL AND TRAINING

Week 1 October 2-5
Week 2 October 16-19

Bigwood Event Center
Fergus Falls, Minnesota

2017 Fall PSR Drill and Training

The Dak-Subregion is proud to announce Mike Terbrueggen (Week 1), Pat Everly (Week 2). These presenters have been arranged for this years power system restoration drill and training seminar. This 32-hour NERC CEH course will cover an in-depth review of the System Protection, Restoration Planning Access and Implement, and many other related PSR Topics. This course is designed not only to provide an annual review of our regions restoration procedures, but is also an excellent chance to interact and train next to the individuals you will be working beside, if we ever have to face the actual blackout event within our region. We would like to encourage Power Plant Personnel to attend as well.

Partial NERC CEH Credit will not be issued, but if a student wishes only to attend the PSR Drill they may do so for no fee, however OTP_002 will not issue NERC CEHs for participation in the restoration drill only.

Week 1 - Power System Protection

Power System Protection for System Operators is a four day class that describes and illustrated the fundamentals of power system protection and examines the types of protection used to protect transmission, generation, transformer, substation buses, and describes those protection systems used to maintain stability, voltage and frequency.

Week 2 - Restoration Planning, Assess and Implement

This class is intended to take the next step in the area of restoration training. The participants will be required to utilize the basic elements of restoration and utilize them in a simulated environment. The class will be a combination of lecture and group activities with the majority of the class being comprised of group activities. The Power Simulator system will be presented with the specific elements of a real-life system including:

- Critical loads
- Underfrequency protected circuits located throughout the entire system
- Black start generation
- Generation start-up power requirements
- And more

Course Material Week 1:

Monday, October 2, 2017

0930 –1800 Power System Protection (Mike T.)

Tuesday, October 3, 2017

0700-1700 MISO-wide PSR Drill

Wednesday, October 4, 2017

0700–1400 MISO-wide PSR Drill

1400-1700 Power System Protection (Mike T.)

Thursday, October 5, 2017

0800-1500 Power System Protection (Mike T.)

Course Material Week 2:

Monday, October 16, 2017

0930 –1800 Restoration Planning, Assess and Implement (Pat E.)

Tuesday, October 17, 2017

0700–1200 MISO-wide PSR Drill

Wednesday, October 18, 2017

0700–1400 MISO-wide PSR Drill

1400-1700 Restoration Planning, Assess and Implement (Pat E.)

Thursday, October 19, 2017

0800-1500 Restoration Planning, Assess and Implement (Pat E.)

This Training Session is specifically designed to exceed the PSR Training Requirements listing in NERC Standards.

Those wishing to attend the PSR Drill only may do so free of charge; no CEHs will be given.

Registration form

Cost is $1100.00 per attendee. This includes breakfasts, breaks, and lunch.

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 20 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

Contact person: Tammy Smith

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