Customer Training

2022 Course Catalog

Customer Training Department
2022 Training Catalog
1/1/22
Introduction

The SPP Customer Training - Reliability 2022 Course Training Catalog provides course descriptions and training sessions scheduled for the 2022 calendar year. Registrations for these classes will open at 1400 (CPT) on Tuesday, November 18, 2021, in the SPP Learning Center. Once registration opens, sessions will be displayed on, and can be requested from, the SPP Learning Center Session Calendar.

Note: You must have an account in the SPP Learning Center in order to register. Links to create an account can be found on the sign-in page.

This document is owned and maintained by the SPP Customer Training department. It is a living document and will be updated as new courses and materials become available. Please email questions or comments to Customer Training training@spp.org.

This document contains a complete schedule of SPP Customer Training’s reliability educational offerings for 2022. You can read a description of each course by clicking the links under Schedule of Classes. Registration information through the SPP Learning Center is also included.

Types of Training

- **On-Demand** – On-demand are computer-based modules available through the SPP Learning Center. These courses are self-paced and available at any time at the discretion of the learner.

- **Learning Burst** – Learning Bursts are short, targeted segments of on-demand training that deliver basic and valuable knowledge in short “bursts” or sessions of 10 minutes or less. Learning Bursts do not offer CEHs.

SPP currently offers two types of instructor-led training.

- **Instructor-Led Training (ILT)**
  - Live training delivered face-to-face in a real-time environment

- **Virtual Instructor-Led Training (VILT)**
  - Live interactive training delivered via the internet and sometimes referred to as a Net Conference or Webinar.
SPP Learning Center Registration Information

Learners will use the SPP Learning Center to search and register for all training.

First-time visitors to the Learning Center must create an account to gain access.

Creating an Account in the SPP Learning Center.

- Go to spp.csod.com and click the appropriate link:
  - Member Registration - Employees of SPP Member companies
    - (For a list of SPP Member companies, go to the Member page of SPP.org.)
  - Non-Member Registration - Employees of non-member companies (this includes Market Participants, Registered Entities who are not SPP Members, etc.)
    - Once you have created an account, log into the Learning Center.

Contact LMS@spp.org with any questions.
Schedule of Classes

Select each title to view the course description, NERC Continuing Education hours, course fees, contact information and dates offered.

**e-Learning Courses (with CEHs)**
- Outage Coordination – CROW
- Control Performance Standards (CPS)
- System Restoration Principles
- Transmission Loading Relief (TLR)
- Voltage Control and System Stability
- Operator Awareness
- Power System Protection: Curriculum
- Reserve Sharing System (RSS)
- SPP BA EOP Conservative Operations and Capacity and Energy Emergencies
- Natural Gas Fundamentals
- Minimum Generation and Load Shed
- Outage Coordination Methodology
- Event Reporting and Analysis
- Reliability Communication Tool
- Renewable Energy Curriculum

**e-Learning (without CEHs):**
- Adventures in Training - Subject Matter
- Expert (SME) Training
- SME – Learning the R.O.P.E.S

**Learning Bursts (no CEHs):**
- What is ACE?
- How to Calculate ACE
Instructor-led (ILT) and Virtual Instructor-led (VILT) Courses

March, 2022
1-2 Lighting the Way: Integrated Marketplace Fundamentals

April, 2022
5-6 Power System Restoration Drill
12-13 REOPS (VILT)
19-20 Power System Restoration Drill
26-28 System Operations Conference – Little Rock, AR

May, 2022
3-4 REOPS (VILT)
17-18 REOPS (VILT)
24 - 26 System Operations Conference – Little Rock, AR

July, 2022
25-27 Train-the-Trainer Workshop – Little Rock, AR

August, 2022
23-25 System Operations Conference – Omaha, NE
30-31 Power System Restoration Drill

September, 2022
13-14 REOPS (VILT)
20-22 System Operations Conference – Kansas City, MO
27-28 Power System Restoration Drill

October, 2022
3-4 Lighting the Way: Integrated Marketplace Fundamentals
5-6 Integrated Marketplace Symposium
11-12 REOPS (VILT)
18-20 System Operations Conference – Denver, CO
25-26 Power System Restoration Drill

November, 2022
15-16 REOPS (VILT)
29-30 Power System Restoration Drill
Course Descriptions

SPP System Operations Conference

SPP will host six System Operations Conferences (SOCs) designed to provide participants valuable training on current and relevant topics, NERC continuing education hours, and opportunities to collaborate and network with others who serve in system operations.

Members of Southwest Power Pool, Inc. may participate in SOCs at no additional cost. Non-members wishing to participate will be charged according to SPP’s Customer Training pricing structure. This is an intermediate level training event designed primarily for persons who have some previous experience in system operations.

Course Fee for Non-members:
System Operations Conference - SOC (24 hours) - $1,420/per person ($55/Continuing Education Hour plus $25 per/day for meals) for in person sessions. Virtual sessions are $1,080/ per person.

All payments are made through the SPP Learning Center. SPP does not invoice, but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_SOC_2022 (Pending approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

Estimated NERC CE Hours Breakdown:
Totals: 24 Operating Topics hrs. Partial Credit may be awarded per day or session. Complete CE hour break down will be available in the Learning Center after ILA approval.

Other Details: Agenda and other details TBA.

Event Contact: Kim Burnside – 501-482-2056

2022 Dates and Locations:

March 29-31 Little Rock, AR     August 23-25 Omaha, NE
April 26-28 Little Rock, AR     September 20-22 Kansas City, MO
May 24-26 Little Rock, AR     October 18-20 Denver, CO

Please Note: SPP will not have designated hotel room blocks. You will be responsible for choosing and securing your hotel room for each conference.
**REOPs Classroom Simulation Training VILT**

SPP’s Regional Emergency Operations (REOPS) is a 16-hour course that will focus on the conditions surrounding the February 2021 cold weather event that challenged the SPP footprint. During this session, participants will explore SPP’s preparations for the event, as well as the real-time operations employed to ensure reliability of the SPP footprint and the BES during this period of extreme cold weather.

This is intermediate level training.

**Course Fee for Non-members:**  
**REOPS** - (16 hours) – $720/per entity ($45/Continuing Education Hour)

All payments are made through the SPP Learning Center. SPP does not invoice, but accepts all major credit cards for payment.

**Other Details**

**NERCILA ID:** SPP_025_REOPs_VILT_2022 (Pending approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

**Estimated NERC CE Hours Breakdown:**  
Totals: 16 Operating Topics hrs.  
No Partial Credit will be awarded for this session.

**Event Contact:** [John Gunter](mailto:John.Gunter@SPP.org) – 501-688-2526

<table>
<thead>
<tr>
<th>2022 Dates:</th>
<th>April 12-13</th>
<th>May 17-18</th>
<th>October 11-12</th>
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<tr>
<td>May 3-4</td>
<td>September 13-14</td>
<td>November 15-16</td>
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Power System Restoration Drill

SPP’s Power System Restoration Drills are designed to provide participating entities an opportunity to practice the implementation of their system restoration plans including the assessment, coordination and communication necessary for power system restoration. Drills will be conducted virtually, enabling entities to participate from their own facility. SPP’s Dispatcher Training Simulator (DTS) will be available through remote access. The drills will emphasize the application of NERC Standards, SPP Criteria and industry principles and guidelines related to system restoration. Facilitators, or their proxy, must be registered and present to assess each participant’s performance in the simulation activity.

This is an intermediate level training session that will require participants have an existing knowledge of NERC Standards, SPP Criteria and industry principles and guidelines related to power system restoration. We strongly recommend learners planning to participate in a system restoration drill first complete SPP’s Restoration Principles Self-Study virtual training or other comparable restoration-focused training.

Members of Southwest Power Pool, Inc. may participate in customer training events at no additional cost. Non-members wishing to participate in SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:
Restoration Drill - (16 hours) – $720/entity ($45/Continuing Education Hour)

All payments will be made through the SPP Learning Center. SPP does not invoice, but accepts all major credit cards for payment.

Other Details

NERC ILA Number: SPP_025_PS RD_2022 (Pending approval) NERC ILA is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and that Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

Estimated NERC CE Hour Breakdown:
Partial Credit available – Partial credit will be awarded in whole-day increments only.

Day 1 – 8 Op Topics hrs. 8 Standards hrs. 7 Sim hrs.
Day 2 – 8 Op Topics hrs. 8 Standards hrs. 8 Sim hrs.

Event Contact: Greg Reed – 501-482-2463

PSR Drill 2022 Dates:        April 5-6   August 30-31   October 25-26
                            April 19-20   September 27-28   November 29-30

Return to schedule
Our previously delivered virtual instructor-led training (VILT) courses are being converted to self-study modules.

They will all be available by end of first quarter 2022.
eLearning - Event Reporting and Analysis

This e-Learning module reviews NERC’s and SPP’s Event Analysis Process. Participants will be able to state the benefits and procedures of these two event analysis processes when reporting Bulk Electric System (BES) events. The module also reviews NERC Standard EOP-004 reporting requirements as well as identifies reportable events. Additionally, the participants will identify necessary reporting forms, EOP-004 Attachment 2 Event Reporting Form and the Department of Energy OE-417 form.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:
(TBD) - $/per person or $45/Continuing Education Hour

All payments are made through SPP’s Learning Management System. SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_ERA_SS_2022 (Pending approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

Estimated NERC CE Hours Breakdown:
Totals: TBD Operating Topics hrs. TBD Standards hrs.

Event Contact: Jennifer Farley – 501-688-8398

Search the SPP Learning Center with the term “events”, “analysis”, or “reporting” for more information and for registration options.
eLearning - Minimum Generation and Load Shed

This e-Learning module explores what SPP defines as Minimum Generation conditions, as well as general load shed principles. The module begins by defining Minimum Generation according to SPP’s Balancing Authority Emergency Operating Plan, identifying conditions that could lead to Minimum Generation conditions, and stating actions SPP may take in response to Minimum Generation conditions. Next, the module explores fundamentals principles of load shed, NERC standards related to load shed, triggers that may lead to load shed conditions, and the facilitation of load shed.

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

**Course Fee for Non-members:**

*(TBD)* -$ /per person or $45/Continuing Education Hour

All payments are made through SPP’s Learning Management System. SPP does not invoice but accepts all major credit cards for payment.

**Other Details**

NERC ILA ID: SPP_025_MGLS_SS_2022 is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

**Estimated NERC CE Hours Breakdown:**

Totals: *TBD* Operating Topics hrs. *TBD* Standards hrs.

**Event Contact:**  [John Gunter](mailto:John.Gunter@SPP.org) – 501-688-2526

Search the SPP Learning Center with the term “load shed”, “min gen”, or “minimum generation” for more information and for registration options.
eLearning - Outage Coordination Methodology

This e-Learning module reviews SPP’s Outage Coordination Methodology. Participants will identify the purpose of the methodology as stated in NERC standard IRO-017. They will also identify timelines and submission requirements for transmission and generation outages. Additionally, participants will identify best practices and the importance of adhering to SPP’s Outage Coordination Methodology.

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

**Course Fee for Non-members:**
(TBD) - $/per person or $45/Continuing Education Hour

All payments are made through SPP’s Learning Management System. SPP does not invoice but accepts all major credit cards for payment.

**Other Details**

NERC ILA ID: SPP_025_OCM_SS_2022 (*Pending approval*) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

**Estimated NERC CE Hours Breakdown:**
Totals: TBD Operating Topics hrs. TBD Standards hr. TBD Simulation hr.

**Event Contact:** Jennifer Farley – 501-688-8398

Search the SPP Learning Center with the term “outage”, “methodology”, or “SPP Outage Methodology” for more information and for registration options.
eLearning - Reliability Communication Tool

This e-Learning session reviews the features and functions of SPP’s Reliability Communication Tool (R-COMM). Participants will be able to identify R-COMM’s primary features and explain its role in two-party, multidirectional, near real-time notifications.

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

**Course Fee for Non-members:**

*(TBD) - $/per person or $45/Continuing Education Hour*

All payments are made through SPP’s Learning Management System. SPP does not invoice but accepts all major credit cards for payment.

**Other Details**

**NERC ILA ID: SPP_025_RCT_SS_2022 (Pending approval)** is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

**Estimated NERC CE Hours Breakdown:**

*Totals: TBD Operating Topics hrs. TBD Standards hrs. TBD Simulation hrs.*

**Event Contact:**  [Greg Reed](mailto:Greg.Reed@swpp.org) – 501-482-2463

Search the SPP Learning Center with the term “R-Comm”, “Reliability Communication Tool” for more information and for registration options.
CURRENTLY AVAILABLE
eLearning - SPP BA EOP Conservative Operations and Capacity and Energy Emergencies

Being prepared to handle the Bulk Electric System (BES) during emergency operations is a CRITICAL skill for system operators and other key personnel. This self-study course will focus on Capacity and Energy Emergencies (CEE) as well as Conservative Operations.

This is intermediate level training.

The participants will identify how the SPP Balancing Authority Emergency Operating Plan and NERC’s EOP standards identify and describe actions to be taken for mitigating these emergency situations.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:  
SPP BA EOP Conservative Operations and Capacity and Energy Emergencies - (1 CE hour) - $45/per person or $45/Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_BAEOP_CO_CEE_SS_2019 (Pending renewal approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

NERC CE Hours Breakdown:  
Totals: 1 Operating Topics hrs. 1 Standards hrs.

Search the SPP Learning Center with the term “SPP BA EOP” or “Reliability Self-Study” for more information and for registrations options.
eLearning - Outage Coordination (CROW)

SPP uses the CROW Outage Scheduler to communicate and track planned and emergency outages of transmission elements and generating units. The Outage-Coordination – CROW Self-Study will describe the importance and timeliness of outage coordination and reporting. An emphasis will be placed on SPP RC Outage Coordination Methodology and the CROW outage submission tool.

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:
Outage Coordination (CROW) (1.5 hours) - $67.50/per person or $45/Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_CROW_SS_2014 (Pending renewal approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

NERC CE Hours Breakdown:
Totals: 1.5 Operating Topics hrs. 1.5 Standards hrs.

Search the SPP Learning Center with the term “CROW” or “Reliability Self-Study” for more information and for registrations options.

Return to schedule
eLearning - Control Performance Standards (CPS)

This self-study is designed to ensure participants develop an understanding of the NERC Real Power Balancing Control Performance Standards, Control Performance Standard 1 (CPS1) and Balancing Authority ACE Limit (BAAL); and the Disturbance Control Performance Standard (DCS). Applicable concepts, such as ACE and frequency will also be discussed, as well as expectations for compliance with each of these standards.

Those taking this self-study should have a clear understanding of the ACE calculation. For a refresher, we suggest you take the Learning Bursts; What is ACE? and How to Calculate ACE.

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:
Control Performance Standards (1 hour) - $45/per person or $45/person per Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_CPS_SS_2016 (Pending renewal approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

NERC CE Hour Breakdown:
Totals: 1 Operating Topics hr. 1 Standards hr.

Search the SPP Learning Center with the term “CPS” or “Reliability Self-Study” for more information and for registration options.
eLearning - System Restoration Principles (SRP)

This self-study is designed to help participants develop an understanding of system restoration principles, as well as NERC Standards and SPP Criteria related to system restoration. Topics covered in this self-study include, but are not limited to, acceptable frequency and voltage limits, load restoration guidelines, and criteria for interconnection.

*We strongly recommend anyone planning to participate in a system restoration drill first complete this self-study.*

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

**Course Fee for Non-members:**

*System Restoration Principles* - (1 hour) -$45/per person or $45/person per Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

**Other Details**

*NERC ILA ID: SPP_025_SRP_SS_2015 (Pending renewal approval)* is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

**NERC CE Hours Breakdown:**

Totals: 1 Operating Topics hr. 1 Standards hr.

Search the SPP Learning Center with the term “System Restoration” or “Self-Study” for more information and for registration options.
**eLearning - Transmission Loading Relief (TLR)**

This self-study is designed to ensure participants develop an understanding of flowgates, distribution factors and the TLR process. The various levels of TLR will be described along with considerations when selecting a particular TLR level, curtailment amounts, and Network and Native Load (NNL) relief. Applicable NERC and SPP requirements will also be reviewed.

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

**Course Fee for Non-members:**
**Transmission Loading Relief** - (1 hour) - $45/per person or $45/person per Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

**Other Details**
**NERC ILA ID: SPP_025_SS_TLR_2015 (Pending renewal approval)** is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

**NERC CE Hour Breakdown:**
Totals: 1 Operating Topics hr. 1 Standards hr.

Search the SPP Learning Center with the term “TLR” or “Reliability Self-Study” for more information and for registration options.

[Return to schedule](#)
eLearning - Voltage Control and System Stability (VCSS)

This self-study explores the basic fundamentals of voltage control, acceptable voltage limits under normal, contingency, and restoration conditions, and reactive devices used to manage voltage on the Bulk Electric System.

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:
Voltage Control and System Stability - (1 hour) - $45/per person or $45/person per Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_VCSS_SS_2017 (Pending renewal approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

NERC CE Hour Breakdown:
Totals: 1 Operating Topics hr.; 1 Standards hr.

Search the SPPLearning Center with the term “VCSS” or “Reliability Self-Study” for more information and for registration options.

Return to schedule
eLearning - Operator Awareness (OA)

This self-study introduces the components of Operator Situational Awareness and identifies the importance of the use of operator situational awareness in recognizing reliability issues on the system. The self-study will also identify Human Performance Tools that can promote Operator Awareness and can be used to help respond to contingencies.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:
Operator Awareness - (1 hour) - $45/per person or $45/person per Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_OA_SS_2017 (Pending renewal approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

NERC CE Hour Breakdown:
Totals: 1 Operating Topics hr.

Search the SPP Learning Center with the term “OA” or “Reliability Self-Study” for more information and for registration options.
eLearning - Power System Protection Curriculum

This self-study course will review the fundamental purpose of system protection and the basic components that make up a protection system. Participants will review a variety of relay types, characteristics, and applications such as differential relays, distance relays, instantaneous and time-delay relays, and directionality.

Members of Southwest Power Pool, Inc. may request self-study at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:

**Power System Protection Curriculum** - (1.5 hour) - $67.50/per person or $45/Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

**Other Details**

**NERC ILA ID: SPP_025_PSP Curriculum_2020** *(Pending approval)* is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

**NERC CE Hour Breakdown:**
Totals: 1.5 Operating Topics hrs. 1.5 Standard hrs.

Search the SPP Learning Center with the term “Protection” or “Reliability Self-Study” for more information and for registration options.
eLearning - Reserve Sharing System (RSS)

SPP uses the OATI Reserve Sharing System (RSS) tool to notify SPP’s Reserve Sharing Group (RSG) when one of its members has suffered a sudden and unexpected loss of capacity. Reserves carried by RSG members will be proportionately distributed by the RSS for recovery of this loss.

This self-study e-Learning will discuss the allocation and distribution of reserves within the SPP RSG as well as other information available in the SPP RSS. By participation in self-check scenarios throughout the session, the participants will learn how to submit pertinent data and the outcome of different reserve sharing situations.

This is intermediate level training.

Members of Southwest Power Pool, Inc. may request self-study e-Learning at no additional cost. Non-members wishing to take SPP training events will be charged according to SPP’s Customer Training pricing structure.

Course Fee for Non-members:
Reserve Sharing System - (1.5 hours) - $67.50/per person or $45/Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_RSS_SS_2016 (Pending renewal approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

NERC CE Hours Breakdown:
Totals: 1.5 Operating Topics hrs. 1.5 Standards hrs.

Search the SPP Learning Center with the term “RSS” or “Reliability Self-Study” for more information and registration.

Return to schedule
eLearning - Natural Gas Fundamentals

This self-study provides an introduction to natural gas operations. Participants will learn the contents of the natural gas stream, what different elements are used for in the marketplace, the components of natural gas delivery system and gas industry terminology among other things.

This is intermediate level training.

Course Fee for Non-members:
Natural Gas Fundamentals - (1 hour) - $45/per person or $45/person per Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_NC_NGF_SS_2021 (pending ILA approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

Estimated NERC CE Hours Breakdown:
Totals: 1 Operating Topics hrs. 0 Standards hrs.

Search the SPP Learning Center with the term “Gas”, “Natural Gas”, or “Self-Study” for more information and for registration options.
eLearning - Renewable Energy Curriculum

Renewable energy is on the mind of everyone from the leaders of the United States to your next door neighbor. The Renewable Energy Curriculum provides you with foundational knowledge about Solar and Wind energy as well as the related Energy Storage Resource technologies that are commonly used within the United States. Take all three 50-minute modules and join the conversation.

Course Fee for Non-members:
Renewable Energy Curriculum - (3 hours) - $135/per person or $45/person per Continuing Education Hour

All payments will be made through the SPP Learning Center (LMS). SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA ID: SPP_025_RC_SS_2021 (pending ILA approval) is recognized by the North American Electric Reliability Corporation as an approved learning activity for which NERC CE hours can be awarded, and Southwest Power Pool adheres to NERC Continuing Education Program Criteria.

Estimated NERC CE Hours Breakdown:
Totals: 3 Operating Topics hrs. 0 Standards hrs. 0 Simulation hrs.

Search the SPP Learning Center with the term “Wind”, “Solar”, or “Energy Storage” for more information and for registration options.
ADDITIONAL TRAINING

Additional Training
With No CE Hours

- Train-the-Trainer self-studies
- Lighting the Way
- Train-the-Trainer Workshop
- Subject Matter Expert (Train-the-Trainer) Learning Bursts
- Marketplace Symposium
- How to Calculate ACE? Learning Burst
- What is ACE? Learning Burst
SPP Train-the-Trainer

Southwest Power Pool’s Train-the-Trainer provides trainers opportunities to enhance their professional skills as they design and develop quality training programs using a Systematic Approach to Training (SAT). Using a SAT is not only a NERC requirement; it is an essential component in developing great training.

The 2022 Train-the-Trainer curriculum will consist of two on-line self-study modules that focus on the principles of ADDIE. There will also be an Instructor-led workshop at SPP in Little Rock, AR. Please see the Learning Center for a complete description of each training event.

Members of Southwest Power Pool, Inc. may participate in customer training events at no additional cost. Non-members wishing to participate in SPP training events will be charged according to SPP’s Customer Training pricing structure.

Who should attend these sessions?
• Individuals responsible for conducting training for their respective entities.
• System Operators and other operations personnel who play a role in training.

Course Fee for Non-members:
Train-the-Trainer self-study – (1 hours each) $25/participant
Train-the-Trainer workshop – (16 hours) $100/participant

All payments are made through the SPP Learning Center. SPP does not invoice but accepts all major credit cards for payment.

Other Details
NERC ILA IDs: SPP’s Customer Training Department follows NERC’s guidelines for awarding Continuing Education hours. The Train-the-Trainer courses do not address the approved Continuing Education topics found in Appendix A of NERC’s Continuing Education Manual. Therefore, no continuing education hours will be awarded for the Train-the-Trainer classes.

Event Contact: Jennifer Farley – 501-688-8398

2022 Workshop Dates and Times: (All times are CPT)

July 25th - 1300 – 1700
July 26th - 0800 – 1700
July 27th - 0800 – 1200
Lighting the Way: Integrated Marketplace Fundamentals

Are you a new Market Participant (MP) or employee needing a baseline understanding of the fundamentals of the Integrated Marketplace, or an existing MP or employee needing a refresher? If so, join us for our popular Lighting the Way: Integrated Marketplace Fundamentals course.

Through engaging activities and discussion, we will address concepts such as:

- What is the Integrated Marketplace?
- How do the various components of the Integrated Marketplace work together?
- What are some of the Integrated Marketplace’s key features?

By the end of this training, participants will be able to:

- Define the Integrated Marketplace.
- Recognize the roles in the Integrated Marketplace.
- Identify the primary components of the Integrated Marketplace, their purpose, and relationship with each other.
- Recognize the key features of the overall Integrated Marketplace.
- Distinguish among the key features of each Integrated Marketplace component.

Note: This course is a Level 1 course. It will not provide the in-depth training that is included in our Level 2 Computer-Based Training (CBT) courses.

Course Fee for Non-members:
Lighting the Way – $100.00 per/participant

All payments are made through the SPP Learning Center. SPP does not invoice but accepts all major credit cards for payment.

Event Contact: Becky Gifford – 501-614-3390

2022 Dates and Times: (All times are CPT)

March 1-2 - Day 1 (0800 – 1700) Day 2 (0800-1200)
October 3-4 - Day 1 (0800 – 1700) Day 2 (0800-1200)
Integrated Marketplace Symposium

This instructor-led training event will allow participants to learn about select Integrated Marketplace topics in greater detail through engaging activities and discussion, as well as build relationships with industry and SPP stakeholders. Topics will be announced to stakeholders closer to the event.

Who should attend these sessions?
This event is open to any SPP stakeholder interested in learning more about Marketplace features as well as building relationships with other stakeholders.

Course Fee for Non-members:
Integrated Marketplace Symposium – $100.00 per/participant

All payments are made through the SPP Learning Center. SPP does not invoice but accepts all major credit cards for payment.

Event Contact: Becky Gifford – 501-614-3390

2022 Dates and Times: (All times are CPT)

October 5-6 - Day 1 & Day 2 (0800 – 1700)
eLearning - Subject Matter Expert Training
No Continuing Education Hours are available for these courses.

According to NERC guidelines, a Subject Matter Expert (SME) must receive training before conducting training sessions. SPP’s Customer Training Department has developed two self-studies in order to provide SMEs with the necessary training.

If an organization is a member of Southwest Power Pool, Inc., they may request these Subject Matter Expert self-studies at no additional cost. Non-members will not have access to these self-studies.

eLearning - Adventures in Training - Subject Matter Expert (SME) Training

The Subject Matter Expert (SME) Training self-study is intended for individuals who have been identified as SMEs in their fields and subsequently asked to provide training. This thirty-minute self-study guides SMEs through relevant information pertaining to their responsibilities before, during, and after their session. Along the way, they will identify effective planning and presentation techniques and strategies. No CEH credit is awarded.

eLearning - Learning the R.O.P.E.S.: Subject Matter Expert Training

Learning the R.O.P.E.S - Subject Matter Expert (SME) Training self-study is intended for individuals who have been identified as SMEs in their fields and subsequently asked to provide training. This 30-minute scenario-based self-study navigates SMEs through the R.O.P.E.S. Method for delivering training. By learning to implement the five steps in this easy-to-use model, SMEs can ensure an effective delivery of their presentations. No CEH credit is awarded.
SPP Learning Bursts

SPP Learning Bursts are short, targeted segments of training that deliver basic and valuable knowledge in short “bursts” or sessions. This training is intended for beginners. No CEH credit is awarded.

SPP will continue to add courses to the Learning Burst series. Check back often by searching the SPP Learning Center with the term, “Reliability Learning Burst”.

Members of Southwest Power Pool, Inc., may request Learning Burst courses at no additional cost. Non-members may request access to the Learning Burst Series.

What is ACE? Learning Burst

Those taking this reliability Learning Burst virtual training should have a basic understanding of frequency and interchange. This Learning Burst is designed to provide the learner with a brief definition of Area Control Error (ACE) and why it is important.

Search the SPP Learning Center with the term “ACE” for more information and for registration options.

How to Calculate ACE? Learning Burst

This Learning Burst virtual training is designed to provide the learner with four different methods for calculating ACE. The learner can review any of the four methods for understanding and then apply the knowledge learned to several example calculations. Each example calculation will also provide a guided review using each of the four methods. It is suggested that those taking this Learning Burst have already completed the What is ACE? Learning Burst.

Search the SPP Learning Center with the terms “ACE” or “How to” for more information and for registration options.

*No Continuing Education Hours are available for these courses.