



AMERICAN PUBLIC POWER ASSOCIATION

2019
**PUBLIC
POWER
LINEWORKERS
RODEO**

**MARCH 29-30
THE BROADMOOR
COLORADO SPRINGS, CO**

SHOW YOUR
STUFF AT THE
INDUSTRY'S
TOP EVENT!

HOSTED BY



Colorado Springs Utilities
It's how we're all connected



COMPETE WITH & LEARN

FROM THE NATION'S TOP LINEWORKERS.

Join more than 50 journeyman teams and 100 apprentice lineworkers from public power utilities throughout the United States for two days full of training, learning, networking, and competing.

You'll have opportunities to attend pre-Rodeo courses taught by national experts and see the newest products and services at two vendor expos. You'll renew old friendships and make some new ones. And perhaps most importantly, you'll represent your utility with pride as you educate the public about the critical work that lineworkers do.

**2019
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COLORADO SPRINGS

ABOUT THE 2019 PUBLIC POWER LINEWORKERS RODEO HOSTS

COLORADO SPRINGS UTILITIES

In 1924, Colorado Springs residents voted to create a four-service public utility. Since then, our focus as a municipal utility has been on the basics – providing reliable power and exceptional customer service while keeping costs low. Today, Colorado Springs Utilities continues to provide electricity, natural gas, water, and wastewater services to the Pikes Peak region, and our customers still enjoy competitive prices, exceptional hometown service, responsible environmental practices, and a voice in how their utility operates... It's How We're All Connected. Learn more at www.CSU.org.



Colorado Springs Utilities
It's how we're all connected

AMERICAN PUBLIC POWER ASSOCIATION

We are the voice of not-for-profit, community-owned utilities that power 2,000 towns and cities nationwide. We represent public power before the federal government to protect the interests of the more than 49 million customers that public power utilities serve, and the 93,000 people they employ. Our association advocates and advises on electricity policy, technology, trends, training, and operations. Our members strengthen their communities by providing superior service, engaging citizens, and instilling pride in community-owned power.



AGENDA AT-A-GLANCE

FRIDAY, MARCH 29

All events on Friday take place at The Broadmoor.

7:30 a.m. – 9:30 a.m.

TRAINING COURSE REGISTRATION

8:00 a.m. – 12:15 p.m.

Training Courses for Apprentice and Journeyman Lineworkers

11:30 a.m. – 3:30 p.m.

INDOOR VENDOR EXPO

Connect with industry experts and learn about their latest products and services

11:30 a.m. – 3:30 p.m.

RODEO REGISTRATION & SALES

Registration for apprentice, journeyman teams, judges, and greeters/auditors

2:30 p.m. – 4:00 p.m.

JUDGES, GREETERS/AUDITORS MEETING (MANDATORY EVENT)

Judges and greeters/auditors must register prior to this meeting. Judges will proceed to the Apprentice Written Test after this meeting.

4:00 p.m. – 5:30 p.m.

APPRENTICE WRITTEN TEST

Apprentices must register prior to this event and arrive by 4:00 p.m. for the test.

SATURDAY, MARCH 30

The Rodeo competition takes place at the Garden of the Gods, Colorado Springs, Colorado. The Rodeo Awards Banquet takes place at The Broadmoor.

7:30 a.m.

OPENING CEREMONY

8:00 a.m.

2019 PUBLIC POWER LINEWORKERS RODEO COMPETITION

8:00 a.m. – 2:00 p.m.

OUTDOOR LINEWORKERS RODEO VENDOR EXPO

11:30 a.m. – 1:00 p.m.

WRITTEN TEST CHIEF EVENT JUDGE AVAILABLE FOR Q&A

12:00 p.m. – 5:00 p.m.

COMPETITOR CHECK OUT

6:00 p.m.

RODEO AWARDS BANQUET (TICKETS REQUIRED)

Competitors, judges, volunteers, families, and guests are invited to celebrate the Rodeo winners and participants at The Broadmoor.

LOOKING FOR ADDITIONAL SAFETY TRAINING?

EXTEND YOUR STAY IN COLORADO SPRINGS!

2019 ENGINEERING & OPERATIONS TECHNICAL CONFERENCE

March 21–April 3 @ The Broadmoor

Attend this conference to choose from more than 30 sessions on safety, utility operations, emergency management, and cyber/physical security. You'll have opportunities to network with 450+ engineering and operations professionals and learn about the latest industry products and services at the vendor expo.

Visit www.PublicPower.org/EandO for details.



TRAINING COURSES



FRIDAY, MARCH 29

8 – 10 a.m.

COMBATING COMPLACENCY IN LINE WORK

High-risk work requires high focus. Complacency is cited as a major cause of accidents, though we often lack effective solutions. This presentation is designed to help lineworkers understand, manage and reduce complacent thinking to ensure safe work practices.

Learn techniques—to apply immediately—to overcome mental distractions, rushed behavior, and overconfidence, that can lead to complacency. Understand why and how to bring a more attentive and mindful approach to your day-to-day work and make safety a priority.

Instructor: Dr. Jim Walters, EdD, President, Power of Learning, Inc., Rochester, Minnesota

8 – 10 a.m.

THE HAZARDS AND BEST PRACTICES OF RINGING OUT CABLE

Topics include:

- Cable Identification
 - Common tools used
- Review of Current Practices
 - Discussion of difficulties when cable is not properly identified
 - Examples of in-field issues
 - Incidents where workers were injured
- Safe Procedures and Best Practices
 - Best practices and required industry procedure
 - Policies that may have prevented those incidents
 - PPE, lock-out tag out, approach distances and isolation or cover-up
- Labeling or Tagging Conductors for Future Identification
 - Types and uses of tape and tags
 - Issues with each style: pro and con
- Labeling Strategies
 - What should be included in labels
 - Why limit content

Instructors: James Monroe, RJTS & Apprenticeship Instructor, and **Cody Raveling**, Training Center Coordinator and JT&S Instructors, Minnesota Municipal Utilities Association, Plymouth, Minnesota

10:15 a.m. – 12:15 p.m.

WE ARE ALL SAFETY LEADERS: LESSONS LEARNED FROM SAFETY MISSTEPS

We've all had missteps that may have resulted in employee injuries, equipment damage, and power outages. But, do we learn from them? Do we act to prevent future incidents? Attend this course to learn from safety incidents at utilities like yours. Find out how to institute positive change for incident prevention. Learn how to take ownership of near misses and how to prevent them from escalating into incidents, injuries, or fatalities.

Instructor: Marc Machacek, Regional Safety Coordinator, Minnesota Municipal Utilities Association, Plymouth, Minnesota

10:15 a.m. – 12:15 p.m.

SAFETY FIRST DURING MUTUAL AID EVENTS

Public power utilities plan and prepare for months to provide mutual aid to other communities in the event of a natural disaster, but are they prepared for the weather-related effects these men and women experience in the field? This session will discuss how to keep yourself safe and healthy while assisting others during a disaster.

Topics include:

- Managing lineworker expectations and behavior on restoration jobs
- Crew preparation (planning for unexpected weather conditions, proper inventory, assigning roles/responsibilities)
- Take care of your body (especially your feet)
- Coordinating travel (logistics, what to bring, support for crews)
- Response efforts
- Developing preliminary damage assessments
- Power restoration and safety
- Tips for troubleshooting overhead and underground lines
- Dealing with the public
- Getting home safely
- Post-disaster audits

Instructor: Craig Batchelor, Safety & Training Specialist, Electricities of North Carolina; and **Brandon Wylie**, Assistant Director of Training & Safety, Electric Cities of Georgia

JOURNEYMAN AND APPRENTICE

COMPETITION EVENTS

YOU'LL BE JUDGED ON SAFETY, WORK PRACTICES, NEATNESS, ABILITY, EQUIPMENT HANDLING, AND TIMELY EVENT COMPLETION.

SATURDAY, MARCH 30

JOURNEYMAN TEAM EVENTS

Journeyman Master Judge

Aaron Haderle

Kissimmee Utility Authority,
Florida

4kV Alley Arm Insulator Change Out

Chief Judge: Gaspareni Dixon,
*Memphis Light Gas and Water,
Tennessee*

This event is simulated energized at 4kV on 1/0 ACSR three-phase straight line circuit with a single 8' wooden cross-arm, braced with a 7' alley-arm. The team will change out the center phase pin insulator.

12kV Arrestor Change Out

Chief Judge: Cody Raveling,
*Minnesota Municipal Utilities
Association, Minnesota*

The team will change both cross-arm mounted lightning arrestors on an energized 12kV two-phase tangent line.

Hurtman Rescue

Chief Judge: Matt Hyatt,
Huntsville Utilities, Alabama

This team event will run once, with all team members rescuing the hurtman—one must climb, one must open switch, and one must tag the mannequin. The mannequin will be lowered to the ground while the third team member ties the bottom part of the handline to the mannequin's legs to pull it onto the tarp. Teams must keep the mannequin off the pole and hardware. There will be NO gigs for incidental contact of the mannequin on the pole or neutral conductor provided the tagman is making an honest attempt. The mannequin's whole body must land gently (as if it were human) on the provided tarp provided

12kV Pole Transfer

Chief Judge: Scott Windham,
Santee Cooper, South Carolina

Teams will be required to transfer the 1/0 ACSR primary conductor and neutral to a new pole. Poles will be set 4' apart and will be pre-drilled with the appropriate holes for material installation. The primary conductor will be on a pole top pin and insulator and the neutral on a spool bolt. Both conductors will be tied in with #6AL solid tie wire. The primary conductor will be tied with a "Hot" tie and the neutral will be hand tied on the spool.

URD Install

Chief Judge: Todd Prangle,
*Sacramento Municipal Utility
District, California*

This event will consist of a single-phase riser made up complete with the hot line clamp not attached and the cutout open. This is going to a new 25kvs mini pad transformer that is partially made up except the elbow and the secondary connections. The elbow will need to be installed on the primary and secondary conductors placed onto the mini pad transformer. The secondary connector must be stripped and landed in the secondary bars. The meter that this transformer is feeding is a simulation and is pulled already. The hot line clamp will need to be installed onto the stirrup which will be attached to the primary and cutout closed and the voltage checked at the transformer. After the voltage is checked the time is stopped. After the time is stopped the team must open the cutout, take the hot line clamp off, cut the elbow off, remove the secondary's, and put the event back like it was before starting.

*All events are timed and held on non-energized facilities.
Visit www.PublicPower.org/Rodeo for full event specifications
and answers to frequently asked questions (FAQs).*

SATURDAY, MARCH 30

APPRENTICE EVENTS

Apprentice Master Judge

Kenneth Roberts
ElectriCities of North Carolina,
North Carolina

3-Phase Fuse Replacement

Chief Judge: Darin Koehler,
San Marcos Electric Utility, Texas

This event will be simulated dead. Rubber gloves are NOT required; however, the apprentice shall perform the task by complying with all safe work practices. Time will start at the judge's signal. The apprentice must change the fuse links from all three cut-out switches and close the switches simulating restoring power.

Hurtman Rescue

Chief Judge: Dave Dwinell,
Denton Municipal Electric, Texas

This event is a simulation of rescuing an injured co-worker. The apprentice must ascend the pole and safely lower the mannequin to the ground. Time starts at the judge's signal with the apprentice standing at least an arm's length from the pole in any direction. Note: The apprentice's belt, hooks, and rubber gloves in bag will be lying on the ground at arm's length.

Load Transfer

Chief Judge: Woodie Wilson,
*ElectriCities of North Carolina,
North Carolina*

This event will consist of moving the transformer jumper from one outside phase to the other outside phase. The load must be removed from the 240/120-volt conventional transformer by opening the load-break fused cutout with an extendo stick. Once the fuse is open, the competitor must ascend the pole and transfer the high-side jumper from one outside phase to the other outside phase. The competitor must then descend the pole and reenergize the transformer with the extendo stick.

Service Connection

Chief Judge: Fredrick Rumery,
Lincoln Electric System, Nebraska

In this event, the apprentice must hang a #2 triplex service between weatherhead and pole. The service conductor will be pre-cut and two-loop coiled, lying flat on the ground at the weatherhead at the start of the event. The competitor will make up the weather head, rig a length of 3/8" three strand rope to the line-end of the triplex, don climbing tools, ascend the pole, sag the triplex, and make the buss connections. The pole will be clearly marked around its girth 6' below the secondary buss with a 3" diameter band of yellow paint. Time stops when the climber's safety strap crosses the mark.

On the judge's signal, un-timed, the competitor will ascend back up to the triplex and disconnect and drop the triplex with the service wedge clamp attached to the ground. The competitor will properly warn the judges before releasing the service. The competitor will remove the connectors and bring them down the pole in the competitors dity bag. After descending the pole the competitor will remove climbers and install gaff guards. Scoring of the competitor ends when climbers are removed and gaffs properly covered.

Written Test

Chief Judges: Shane Scott,
*Huntsville Utilities, Alabama, and
Jeremy Ash, Kansas City Board of
Public Utilities, Kansas*

This 20-minute written test, based on the Association's Safety Manual for an Electric Utility, 16th edition, to determine the apprentice's knowledge of safe work practices. The test takes place on Friday afternoon at the Broadmoor. The safety manual is available at www.PublicPower.org>Shop.

Scoring Judges

Ken Stone, *Braintree Electric Light
Department, Massachusetts*

Danette Scudder, *Tennessee
Valley Public Power Association,
Tennessee*

FREQUENTLY ASKED QUESTIONS (FAQS)

Submit or review questions about events at www.PublicPower.org/Rodeo until March 8.

After March 8, all questions will be answered onsite.

*All events are timed and held on non-energized facilities.
Visit www.PublicPower.org/Rodeo for full event specifications
and answers to frequently asked questions (FAQs).*

REGISTRATION DEADLINES & FEES

REGISTER AT WWW.PUBLICPOWER.ORG/RODEO

APPRENTICE AND JOURNEYMAN TEAMS

Registration Deadline: March 1

CATEGORY	FEE BY FEBRUARY 15	FEE FEBRUARY 16 – MARCH 1
Team with judge	\$500 (each)	\$550 (each)
Team without judge	\$600 (each)	\$650 (each)
Apprentice	\$250 (each)	\$300 (each)
Training courses	\$75 (each)	\$100 (each)

JUDGES, GREETERS, AUDITORS, AND GENERAL VOLUNTEERS

Hard-working volunteers are essential to the Rodeo's success and serve as judges, auditors, greeters, and general helpers. Register to volunteer at www.PublicPower.org/Rodeo by March 8. Positions will close as the desired number of volunteers is achieved.

HOTEL INFORMATION



THE BROADMOOR

Since their first opening over a century ago, The Broadmoor has offered guests an incredible way to experience the unique beauty of the American West. Today, that tradition is met with warm, genuine hospitality and an unmatched selection of programs and activities that celebrate our magnificent surroundings. The iconic resort is also home to several celebrated restaurants including the only Forbes Five-Star, AAA Five-Diamond restaurant in Colorado, Penrose Room, legendary golf, a world-renowned tennis program, distinctive retail shops, and an array of resort programs for guests of all ages and interests. The Broadmoor also specializes in hosting unforgettable meetings and events within 185,000 square feet of sophisticated function space. From art tours to tennis clinics, geocaching to fitness training, there's always something new and exciting to discover at "the most unique resort in the world".

Address

The Broadmoor
1 Lake Avenue
Colorado Springs, CO 80906

Main Telephone

719-634-7711

Group Rates

\$195 (Single/Double) per night
(plus 13% tax)

Check-in

4 p.m.

Check-out

Noon

Parking

Valet Parking fee: \$30/overnight
(for a 24-hour period, with in and out privileges);

Day Guests: complimentary;

Daily: \$4 for the first hour and
\$2 each add'l. hour (up to a max.
of \$12/day)

Internet Access

Complimentary wireless internet in
sleeping rooms

Reservation Cut-off Date

March 7, 2019

Reservation Telephone

800-755-5011

Group Code

APPA319

Online Reservation Link

[https://book.passkey.com/
event/49773384/owner/8026/
landing/closed](https://book.passkey.com/event/49773384/owner/8026/landing/closed)

Hotel Reservations & Cancellation Policy

The cut-off date to receive
the group rate (plus tax) is
Thursday, March 7, 2019. If
rooms remain in the block after
the cut-off date, the group rate
will be honored. If not, you may
be charged a higher rate. The
room block may sell out before
March 7, so early reservations
are encouraged. For individual
reservations call 719.623.5112 and
reference "American Public Power
Association". The Broadmoor
should receive all reservations
no later than March 7, 2019.

Cancelled reservations that are
not resold may become a financial
liability for the Association, so
please make your reservations
thoughtfully. If you require
additional assistance with housing
please contact Meeting Services
at 202-467-2941 or [meetings@
publicpower.org](mailto:meetings@publicpower.org).

CONTACT INFORMATION

Rodeo Registration

Chris Ching

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Email: CChing@PublicPower.org

General Rodeo Questions

Giacomo Wray

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Hotel Questions

Joy Campbell

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Sponsorship and Vendor Expo

Haley Herbst

Phone: 202-467-2944

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E&O Conference

Heidi Lambert

Phone: 202-467-2921

Email: HLambert@PublicPower.org

DATES TO REMEMBER

NOVEMBER 6

Competitor and volunteer registration opens

FEBRUARY 15

Competitor reduced-rate registration ends

MARCH 7

Hotel reservations deadline

MARCH 8

Competitor and volunteer registration closes

MARCH 8

FAQs submission deadline



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