



Continuing Education Credits Tracking Form
Use the list below to record the sessions you attend and submit directly to the appropriate accrediting organization.

SUNDAY, MARCH 10, 2019

PRE-CONFERENCE WORKSHOPS (8 a.m.–5 p.m., 480 minutes)

- Build and Test Your Cybersecurity Incident Response Plan
- MultiSpeak Integrator Training
- RUS Engineering Seminar
- Using the Online RC3 Cybersecurity Self-Assessment Tool to Evaluate Your Cybersecurity Capabilities

PRE-CONFERENCE WORKSHOPS (8 a.m.–Noon, 240 minutes)

- Broadband Planning: Technology, Business and Operational Considerations
- Contract Risk and Insurance Management
- Deploying Distribution Automation at Electric Cooperatives
- Utility Drone Operations: A Practical Guide

PRE-CONFERENCE WORKSHOPS (1–5 p.m., 240 minutes)

- Contract Management and Oversight: Essential Tools and Techniques
 - Drone Tech: An Overview of Technologies That Affect How Utilities Can Implement Drones
 - What is New in Communications Infrastructure for Utilities?
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MONDAY, MARCH 11, 2019

GENERAL SESSION (8–9:45 a.m., 105 minutes)

- How Hackers Attack and How to Fight Back, Kevin Mitnick

BREAKOUT SESSIONS 1 (10–11 a.m., 60 minutes)

- Design Considerations for Broadband
- Office 365 Administration and Best Practices
- CRISP: Two Cooperative's Experiences
- Practical Integration of Dispatchable Solar + Energy Storage
- Personal Protective Grounding
- Why You Should Sign Up for Cyber and Physical Security Notifications from the Electricity Information Sharing and Analysis Center (E-ISAC)
- Next Generation Distribution Engineering Analysis
- Beyond Passwords and Firewalls: Cybersecurity Tactics for Today's Co-op
- Procurement and Supply Chain Speed Networking

BREAKOUT SESSIONS 2 (11:15 a.m.–12:15 p.m., 60 minutes)

- All the Things I Forgot to Think About When Building My Broadband Network
- Azure Active Directory – An Introduction
- Defending Energy Cooperatives Against Advanced Threat Actors
- Navigating the FAA Waiver Process
- Cybersecurity Tabletop Exercises: Lessons Learned from Co-ops
- New Interconnection Requirements: Guide to IEEE 1547-2018
- Purchasing Guidelines for Fleets
- Contract and Procurement Fraud

BREAKOUT SESSIONS 3 (2–3:15 p.m., 75 minutes)

- New Industry Partnerships: Aligning Interests and Picking the Best Partners for a Successful Broadband Project
- IT's Jeopardy
- Beyond Engineering: Using Analytics and Dashboards for Operational Planning, Member Engagement, and Personnel Management
- How to Think Like a Criminal
- Overhead Reliability Solutions Case Study Habersham EMC and Davey Resource Group
- Distribution Operations Challenges and Solutions with DER
- Create a Smart Take on Data
- The Calm Before the Storm – Strengthening the Supply Chain
- Four Ways to Enhance and Improve Your Negotiations

BREAKOUT SESSIONS 4 (3:30–4:45 p.m., 75 minutes)

- Broadband for Broad Impact: The Rapid Delivery and Adoption of Broadband in Rural Alabama
 - How Big is Your Footprint? OSINT Tools and Techniques
 - Safely Guiding Crews and Resources During Mutual Aid Events: A Case Study on Emergency Planning with Dairyland Power Cooperative
 - The New World: Training for Reliable Distribution Operations
 - Utility Connected Home Strategies
 - Building for the Future: Electric Cooperative Facility Planning
 - Surviving the Storm – Lessons Learned from a Horrible Year of Weather
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TUESDAY, MARCH 12, 2019

BREAKOUT SESSIONS 5 (8–9 a.m., 60 minutes)

- Building a Transport Fiber Network
- Cybersecurity Best Practices for IoT/Network Devices: A Case Study on South River EMC
- Case Study on Cybersecurity Framework for Microgrids
- Environmental Permitting – Progress on Streamlining
- Wireless Communications: A Necessity for Grid Modernization – Many Options and Opportunities
- Improving Emergency Response Plans using Technology
- How New Open Data Efforts are Elevating Grid Modeling
- Energy Storage Uses Cases and Procurement
- A Bird's Eye View – Purchasing and Contracting Drones and Drone Services

BREAKOUT SESSIONS 6 (9:15–10:15 a.m., 60 minutes)

- Deploying Today's Fiber Backbone with Readiness for Future FTTH
- Hurricane Irma 2017 – The Experience of The Florida Key Electric Cooperative
- Third Party Security
- How to Modernize and Improve Safety Practices with Technology
- Load Studies Using Interval AMI Data
- Cybersecurity for Operation Tech Space
- Operation Coop – Cybersecurity in Action
- Cranes and Derricks: What's New at OSHA?
- Supply Chain Management and Procurement Roundtable – Part 1

BREAKOUT SESSIONS 7 (10:30 – 11:30 a.m., 60 minutes)

- Lessons learned from Real-World FTTH Deployments
- Enterprise MFA and SSO
- Visualization of Network Security Configuration
- Microgrids and Rural Resilience
- Predictive Outage Management and Cost Analysis Benefits for Improving Coop Operational Efficiency
- Linking Technology and Business Processes for Success
- New Trends and Technologies in Safety
- Optimizing Your Distribution System and Unlocking the Value of Data
- Supply Chain Management and Procurement Roundtable – Part 2

TECHTALK SESSIONS 1 (1:45–2:15 p.m., 30 minutes)

- Top Ten List for Solar Deployment
- Upgrading Legacy Load Management Systems to Prepare for Distributed Energy Resources
- The Power of FirstNet
- How to Harvest the Cost Savings and Public Relations Gold from an LED Streetlight Upgrade

TECHTALK SESSIONS 2 (2:45–3:15 p.m., 30 minutes)

- SMECO's Virtual Audit: Smart Thermostats, Data Analytics, and Customer Engagement
- Case Study for Building a Business Case for FLISR Based on Outage Prevention and Restoration Benefits
- Utility Battery Storage Economics
- Organizing Chaos: Proactively Planning Utility Security Protocol Regarding On-Site Threats

TECHTALK SESSIONS 3 (3:45–4:15 p.m., 30 minutes)

- Remodeling GIS on a Mobile Platform Driven by Analytics and Automation!
- Using Virtual Reality to Reduce Risk and Facilitate Training in the utility industry
- Overview of Driver Assist Technology
- Leakers ... What a Mess! Cost Effective Methods for Repairing Transformer and Circuit Breaker Oil Leaks

WEDNESDAY, MARCH 13, 2019

BREAKOUT SESSIONS 8 (8–8:50 a.m., 50 minutes)

- IEEE REPC #3: Rate Considerations Related to Solar Distributed Generation (8–8:30 a.m., 30 minutes)
- Understanding the Changes to EPA's Greenhouse Gas Emission Standards for New and Existing Power Plants
- IT Peer-to-Peer Part 1
- Cooperative Contributions to Military Resiliency
- A Test Case for Conservation Voltage Optimization
- Blockchain – What Utilities Need to Know
- NRECA's National Discounts Program – New Opportunities!
- IEEE REPC #2: Solutions to Common Distribution Protection Challenges (8:40–9:10 a.m., 30 minutes)

BREAKOUT SESSIONS 9 (9–9:50 a.m., 50 minutes)

- IT Peer-to-Peer Part 2
- ADSS vs Strand and Lash: A Cooperative FTTH Evaluation
- One Year of Using Big Data and Cloud Computing to Improve Reliability at Platte-Clay Electric Cooperative
- 20/20 Hindsight: Transitioning from PLC Pioneer to Next-gen AMI
- Deploying FLISR at the Coop Level
- Wood Pole Inspection and Inventory Maintenance
- IEEE REPC #1: Solving Power Quality Issues from Large Motor Starts using Fast-Acting Capacitor Bank Assistance (9:20–9:50 a.m., 30 minutes)

TECHTALK SESSIONS 4 (11–11:30 a.m., 30 minutes)

- How Cybersecurity Monitoring is used by Co-ops to Protect their Infrastructure from Cyber Threats
- The Convergence of Smart Grid and the Smart Home
- Cellular for Utility Applications
- Save a Tree, Stop Wood Pole Decay

TECHTALK SESSIONS 5 (noon–12:30 p.m., 30 minutes)

- Mobile GIS: Increasing Safety, Service and Efficiency by Getting your GIS Data into the Field
- Emergency Response Plan Development and Implementation
- S.A.F.E – Stop And Focus Everyday
- Don't Bug Me about Flame Resistant Clothing

GENERAL SESSION (1:30–2:30 p.m., 60 minutes)

- General Session: Six Keys to Success, Karl Mecklenburg

Add all your checked sessions to determine your total minutes and then divide (Each 60-minutes earns .1 CEU) (Each 60-minutes earns 1.0 CEH) (Each 60-minutes earns 1.0 PDH)

_____ Total Minutes Attended ÷ 60 = _____ Total Conference

Participant Name _____ Email _____

Employer _____ Phone _____

Address _____

City/State/ZIP _____

(Do not write below this line.)

This participant has attended the 2019 NRECA TechAdvantage Conference.

NRECA Signature _____ Date _____

ON-SITE REPRESENTATIVE

Please retain this form with your files until applying

Purchasing and Supply Chain Professionals – Credits may apply for the Certified Professional in Supply Management (CPSM) recertification, Certified Purchasing Manager (C.P.M.) recertification or the Accredited Purchasing Practitioner (A.P.P.) reaccreditation. Each 60-minutes earns 1.0 CEH - Continuing Education Hours (CEHs) can be converted into C.P.M. points. 7 CEHs = One C.P.M. point.

For more information on recertification requirements please contact ISM at www.ism.ws.

Professional Engineers – For dedicated professional engineers, earning a PE license is just the beginning. Many state licensing boards require that PEs maintain and improve their skills through continuing education courses and other opportunities for professional development. Each 60 minutes earns 1.0 PDH.

For more information on recertification requirements please contact National Society of Professional Engineers at www.nspe.org/Licensure/MaintainingaLicense.

IT Professionals – Credits may apply for Institute for Certification of Computing Professionals (ICCP). Because the environment in which the certified professional functions is so dynamic, it is vital that ICCP certificate holders remain current in the field. ICCP s can use Continuing Education Units (CEU). 1 CEU = 10 PDCs

For more information on recertification requirements please contact www.iccp.org Credits may apply for Project Management Institute – PMP Certification. PMI recognizes relevant educational activities or programs offered by organizations. 1 CEU = 1 PDU. For more information on recertification requirements please contact www.pmi.org.

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Contact Angie Hylton at 703-907-5656 or angie.hylton@nreca.coop for general information about TechAdvantage continuing education credits.