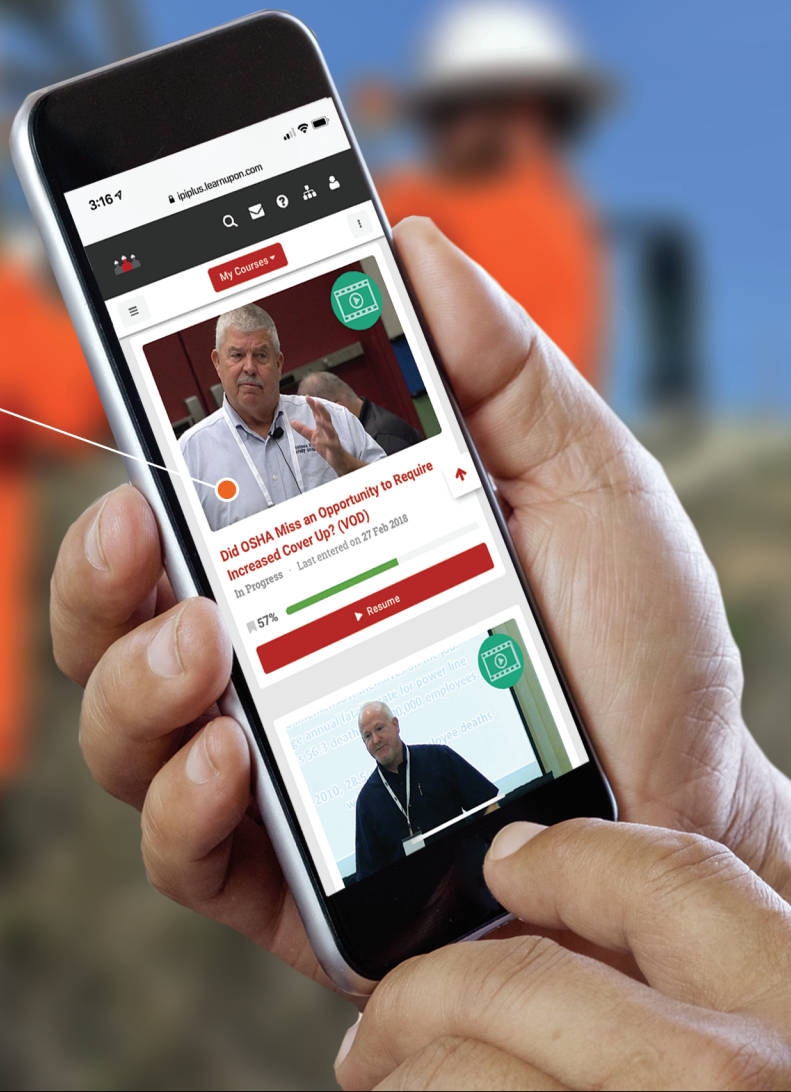


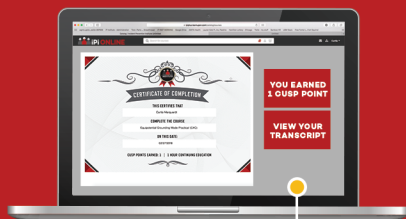
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WHAT IS iPi ONLINE?

Created by the same people who publish Incident Prevention magazine and produce the iP Utility Safety Conference & Expo, iPi Online is an online education platform that provides the same expert-sourced utility safety and operations content that you're used to seeing in the magazine or at the conference.

iPi Online has more than 120 hours of educational videos that can be watched on a computer or mobile device. Additionally, Certified Utility Safety Professionals (CUSPs) can earn CUSP points from more than 60 online courses.

From equipotential grounding and regulatory updates to human performance and leadership skills, iPi Online provides a deep catalog of video content created to provide insight, information and strategies to overcome the unique challenges that utility safety professionals face.

4 WAYS TO LEARN



COURSE 4 CREDIT

Earn CUSP points toward the recertification of the CUSP credential by taking a Course 4 Credit. Shortly after you pass the final exam, your points will automatically be reported to the USOLN so that it's applied to your CUSP maintenance efforts. There are currently more than 60 CUSP-earning courses available on iPi online.



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Webinars give subscribers the ability to attend a live, online educational webinar and interact with industry experts. Attendees earn CUSP points and get access to a video recording of the live presentation.



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Quick Learning topics give subscribers instant access to short 5-10 minute videos that feature interesting utility safety insights. These are perfect for on-the-go professionals who may not always have time to watch an hour-long video, but still want to constantly be learning. They're also great items to share at tailgate meetings!

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4 REASONS WHY iPi ONLINE IS PERFECT FOR CUSPs

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It can be hard to find time to earn CUSP maintenance points. iPi Online's CUSP points-earning courses are available 24/7 and wherever you have a device and internet connection. No flights or travel required! Blue CUSPs can earn up to 7.5 points per year and Green CUSPs can earn up to 10 per year.

2

WE REPORT THE POINTS YOU EARN TO THE USOLN (SO YOU DON'T HAVE TO)

When you complete courses and earn CUSP points, we'll send a report to the USOLN so the points get applied to your official records. No need to submit requests for points or keep certificates on file!



3

A BUDGET-FRIENDLY CUSP POINTS OPTION

USOLN members get discounted rates on subscriptions! For only \$59/month or \$399/year, a member gets unlimited access to the iPi Online catalog.

4

A DEEP CATALOG OF COURSES

There are more than 40 CUSP-points earning courses available in the iPi Online catalog with more added every month. Choose the topics you want and earn the CUSP points you need.

CATALOG OF ONLINE CONTENT

Below is our current list of titles. We add new titles every month, so log into ip-institute.com to see the most current listing.

7 Ways to Prevent Traffic-Related Incidents in Your Utility Work Zone	6	Lessons from a Leadership Warrior: A Keynote Presentation by General (Ret.) Joe Ramirez	13
A Sports Medicine Approach to Ergonomics: Functional Body Mechanics & Coaching	6	Making Sense of 1910.269: Get Your Compliance Questions Answered	13
Achieve Short-Service Employee Safety Success: How to Reduce the Risks of Rapid Growth	6	Mobile Equipment Regulatory Update: Understanding Changes to OSHA and ANSI Standards.	14
Are Compliance Grungs Taking Over Your Organization?	6	Off-Road Driving: Key Safety Strategies for When the Going Gets Rough	14
Autonomous Vehicles are Coming Sooner Than You Think: Are You Ready for the Safety Challenges They Will Bring?	6	Organizational Drift: Why Safety Varies Across Your Organization & What You Can Do to Fix It	14
Awaken the Leader in You	6	OSHA 1910 & 1926 Standards Update	14
Build Trust & Develop Employees with Effective Communication	7	OSHA Power Standards Update Roundtable Discussion	14
Building a Rope Access Program for Lattice Transmission Towers	7	OSHA's New Rules on Arc Flash Protection	14
Coaching & Correcting Performance Behaviors	7	OSHA's New Rules on Fall Protection: What You Need to Know	15
Collaboration for Fleet, Safety, and the Field	7	OSHA's New Rules on Minimum Approach Distance: What You Need to Know	15
Conducting Incident Investigations	7	Pain, No Gain: How to Prevent Musculoskeletal Disorders	15
Connecting Safety, Quality & Productivity	7	Protective Grounding Principles: The Limits of the "Zone"	15
Customer-Owned Solar & Wind Generation Challenges for Electric Workers	8	Rethinking Utility Security: Are Your Workers Exposed to Danger?	15
Designing & Implementing a Successful AED Program	8	Risk Management & Leading Indicators: How to Use Each to Reduce Incidents	15
Did OSHA Miss an Opportunity to Require Increased Cover Up?	8	Rubber Cover Up: We Need to Change the Truck-to-Truck Mentality	16
Drilled Shaft Safety	8	Safety Improvement Audits - What, Why, When, and How	16
Equipotential Grounding Made Practical	8	Safety Training for Metering Personnel	16
Ergonomics for Lineworkers	8	Solar Power Safety: An Introduction	16
Eyes in the Skies: How You Can Use Drone Technology to Mitigate Utility Safety Risks	9	Spec'ing Aerial Equipment for Maximum Safety: Best Practices that Protect Your Workers.	16
From the Field to the Office: Ergonomics Basics For New Management	9	Substation Rescue Plan Compliance	16
Frontline - Human Performance: What Is It and Why Should We Study It?	9	Substation Safety	17
Frontline - HP Principle 1: People Screw Up	9	Supervisory Skills for the Crew Leader	17
Frontline - HP Principle 2: Your Crystal Ball	9	Sustaining Utility Safety Success: How to Create a Long-Term Successful Safety Strategy	17
Frontline - HP Principle 3: You Cannot Outperform Your Organization	9	The Good, Bad & Ugly of Being Complacent with Safety	17
Frontline - HP Principle 4: People Influence Each Other	9	The Impact of New OSHA Rules on the Host & Contractor Relationship	18
Frontline - HP Principle 5: Why Works	10	The iY Generation: Why are the Youngsters so Different & How to Better Lead Them	18
Frontline - A Complete Definition of Leadership	10	The Past, Present & Future of Fall Protection	18
Frontline - Stop Telling & Start Communicating	10	The Safety Connection: How to Maximize Synergy Among Safety, Environmental & Security Functions	18
Frontline - Valuing your team & developing relationships	10	The Safety Side Effect: Things Leaders do that Coincidentally Improve Safety	18
Generational Differences: What's the Big Deal?	10	The Skill of Concentration: How Lineworkers Can Improve Their Focus	18
Going into Autopilot: Is Technology Preventing or Causing Increases in Driver Incidents?	11	The Top 10 Risks of Solar Farm Work: Lessons Learned from the Field.	19
Hardwired Inhibitions: Hidden Forces that Keep Us Silent in the Face of Disaster	11	The Top 20 Characteristics of a Good Boss	19
How Sunflower Electric Power Found Safety Success by Using Scenario-Based Fall Protection Solutions	11	Traffic Control Safety for Utility Work Zones	19
How to Empower Your Workers to Proactively Address Hazards	11	Underground Cable Vaults: How to Avoid Common Hazards	19
How to Improve Worksite Accountability and Improve Safety	11	What We Have Here is a Failure in Leadership	19
How to Improve Your Temporary Equipotential Protective Grounding	11	When Rules Aren't Enough	19
How to Perform Effective NESC Substation Audits	12	Why Cranes Fail and What You Can Do About It	19
How to Shift Your Utility Safety Culture	12	Why You Need to Develop a Contractor Safety Management Standard	20
Identifying Triggers and Preventing Events	12	Winning at Safety: How Your People Make the Difference	20
Ignore Your Employees and They'll Go Away!	12	Wood Pole Testing: 3 Steps that Could Save Your Life	20
Implementing an Effective Human Performance Toolbox	12	Zero By Design: Why Achieving World-Class Safety is Not Good Enough	20
Implementing an Effective T&D Switching and Tagging Process	12		
Incident Investigation: How Doing it Right Can Prevent Future Incidents	13		
Leadership Characteristics That Drive Utility Team Safety	13		
Leading for Safety's Sake	13		

LEGEND

- ▲ - **COURSE 4 CREDIT** - Watch videos, take quizzes and pass exam to earn CUSP points.
- - **VIDEO ON DEMAND** - Watch videos of utility safety experts.
- - **WEBINAR/WEBINAR REPLAY** - Webinar events or webinar replay videos.
- ◆ - **QUICK LEARNING** - Short 5-10 minute videos designed to offer you short bursts of learning.

7 WAYS TO PREVENT TRAFFIC-RELATED INCIDENTS IN YOUR UTILITY WORK ZONE

DURATION: 15 - 20 MINUTES | ◆

Did you know that, on average, a utility worker dies each and every month from a traffic-related incident? Working near moving vehicles can be deadly. But if your work zone teams take the proper safety steps, they can minimize these dangers. This Quick Learning Topic provides you with a training tool to teach your team about the dangers of working around traffic and provides seven helpful tips on how to stay safe around vehicles.

YOU WILL LEARN:

- The staggering statistics of traffic dangers
- Seven tips to make work zones in or near traffic safer, including:
 - Making safety a priority
 - Avoiding the low-speed zone safety lull
 - Changing your strategy before you set up your zone to increase safety
 - The “more” strategy
 - Using your truck as a barrier
 - Boom position awareness
 - Following work zone laws
- Where to find additional resources to increase safety in work zones that are in or near traffic

PRESENTER:

Created by our expert staff at iPi Online

A SPORTS MEDICINE APPROACH TO ERGONOMICS: FUNCTIONAL BODY MECHANICS & COACHING

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

This insightful presentation will show you how to use a sports medicine approach for your organization’s “working athletes” in a way that creates injury-preventing ergonomic processes. Through the use of data gathering, project management and body mechanics, you’ll learn how to create a reduced injury rate at your organization.

YOU WILL LEARN:

- How a sports medicine approach will help improve the efficiency and effectiveness of your ergonomics program
- The basics of an effective ergonomic assessment & data collection process
- How to find incident-reducing success through team facilitation, goal setting, project management and solution identification

PRESENTER:

Tony Kaczowski, MHCA-MLS, LAT/ATC, CEES | Briotix Health

ACHIEVE SHORT-SERVICE EMPLOYEE SAFETY SUCCESS: HOW TO REDUCE THE RISKS OF RAPID GROWTH

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

The effects of rapid growth in the utility industry are hitting utilities and contractors alike with increased risk associated with short-service employees (SSEs). During this presentation, we will outline some effective methods for overcoming this risk and conduct a small group exercise to develop the beginnings of a personalized plan that you can take back to your organization.

YOU WILL LEARN:

- To define SSE and understand ways to bring SSEs up to speed with the rest of your workforce
- To identify common concerns and risks associated with SSEs
- How to develop a targeted plan to succeed with SSEs at your organization

PRESENTER:

Jesse Hardy CUSP, CSP, CET | Supreme Industries

ARE COMPLIANCE GRUNGS TAKING OVER YOUR ORGANIZATION?

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Do you have a safety culture that focuses on safety compliance and personal protective equipment? If so, you probably have the dreaded “Compliance Grung” disease! Compliance Grungs can secrete poisons throughout your organizational safety culture by focusing on the “compliant look” instead of focusing on the real solution: creating a culture of safety by design.

YOU WILL LEARN:

- Recognize “Compliance Grungs” in your organization
- Describe differences between “Compliance Grungs” and safety by design
- Develop and implement safety by design methods to exterminate “Compliance Grungs”

PRESENTER:

Pam Tompkins, CUSP, CSP, CUSA | SET Solutions, LLC

AUTONOMOUS VEHICLES ARE COMING SOONER THAN YOU THINK: ARE YOU READY FOR THE SAFETY CHALLENGES THEY WILL BRING?

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

The emergence of self-driving systems is not just a trend to watch for the next five to 10 years; there’s a lot going on right now that you should be thinking and talking about because of the impact on fleet safety and operations. In this session, presenter Sean Lyden will bring you up to speed on the latest developments in self-driving systems.

YOU WILL LEARN:

- Top trends that make a brave new self-driving world appear inevitable
- Potential roadblocks that could put the brakes on fully autonomous vehicles
- How you can most effectively prepare for the imminent disruption this technology will bring to your organization

PRESENTER:

Sean Lyden | Utility Fleet Professional magazine

AWAKEN THE LEADER IN YOU

DURATION: 1 HOUR | ●

Do you want to create high-performing teams? Do you want the members of those teams to give 100 percent every day? If you answered yes to one or both of those questions, this keynote presentation will put you on a journey to leadership improvement. Bob McCall, President of Inspire High Performance LLC, is a retired executive who has now taken on the role of a certified John Maxwell leadership trainer and coach. He spent 33 years in the electric utility industry, during which he held leadership positions ranging from first-line supervisor to regional vice president. McCall also led teams supporting five power plants, as well as teams that supported six states and 58 locations.

YOU WILL LEARN:

- Proven leadership behaviors
- Tools that will propel your leadership style to the next level
- Why leadership begins with you

PRESENTER:

Bob McCall | Inspire High Performance, LLC

BUILD TRUST & DEVELOP EMPLOYEES WITH EFFECTIVE COMMUNICATION

DURATION: 5 MINUTES | ◆

Learn how to deploy the power of conversation to unlock and build trust and develop employees. In this quick learning topic, you'll receive insights into why conversation is such a vital skill for all leaders.

YOU WILL LEARN:

- The difference between conversation and communication
- Why it's important to know the interests and personalities of your employees

PRESENTER:

Sam Holt, CUSP, OSHA, CPR | City of Tallahassee

BUILDING A ROPE ACCESS PROGRAM FOR LATTICE TRANSMISSION TOWERS

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Prior to 2004, Salt River Project (SRP) lacked any formal safety plans or equipment in place for transmission tower work. Today, the organization has some of the best specialized PPE and rescue plans needed for lattice tower work. Learn what SRP did to first identify and learn about the best rope access solutions and how it implemented those solutions into its safety protocols.

YOU WILL LEARN:

- Insights and strategies for building rope access for lattice transmission towers
- How to identify and learn the best rope solutions

PRESENTER:

Randi Korte | Salt River Project
Steve Robinson | Salt River Project

COACHING & CORRECTING PERFORMANCE BEHAVIORS

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Learn how to coach and correct your team member's performance behaviors with this session. You'll learn different methods for maintaining the success of your great employees and influencing your poor-performing employees to improve.

YOU WILL LEARN:

- How to effectively manage employee issues
- Why documentation is important
- Ways to maintain trust during awkward or difficult conversations
- About the importance of face-to-face time with your team

PRESENTER:

Sam Holt, CUSP, OSHA, CPR | City of Tallahassee

COLLABORATION FOR FLEET, SAFETY, AND THE FIELD

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

What happens far too often in utility organizations is that each of the departments operate in silos that create communication barriers. As a result, fleet procures equipment that doesn't address safety needs. The safety department goes after the field for any incidents involving the equipment. And the operators in the field get upset because they feel like they aren't being heard by either fleet or safety. So, how can you counteract this dynamic to get all parties working together more effectively?

YOU WILL LEARN:

- Open lines of communication to get fleet, safety, and the field all on the same page
- Navigate requests from the field to determine which are

necessary for safety or are merely operator preferences

- Communicate "the Why" behind fleet and safety decisions so that the field feels like they're being heard

PRESENTER:

John Adkisson | PPL Electric Utilities

CONDUCTING INCIDENT INVESTIGATIONS

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

In today's litigious world, incident investigations have become more important than ever. However, organizations often make mistakes during the investigation process, or they don't bother to proactively get involved at all. Utility safety guru Jim Vaughn provides you with insight, strategies and tips on how to conduct effective incident investigations. You'll learn the vital reasons why incident investigations are not only important to your organization, but also to the safety culture of its employees.

YOU WILL LEARN:

- Why investigations are needed
- How investigations prevent incidents
- Why formal investigation procedures are important
- Key investigation strategies
- Which tools you'll need to conduct a proper investigation
- Why quality photography is important
- Photography tips and techniques
- How to interview the right way
- Which artifacts you should collect and how to do it
- Proper report formats

PRESENTER:

Jim Vaughn, CUSP | ISPC

CONNECTING SAFETY, QUALITY & PRODUCTIVITY

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

If you've heard "following safety rules takes too much time" or "I know some shortcuts to get the job done quicker" too often at your organization, this video replay is for you. Ted Granger will show you why the most efficient and productive companies are also usually the safest.

YOU WILL LEARN:

- Why connecting safety, productivity and quality (SPQ) will improve all three areas
- Why the traditional way of thinking and doing things just doesn't work
- What it takes to fully integrate a SPQ strategy into your organization
- How to measure and plan around leading indicators of SPQ issues
- How you should use and distribute the vital SPQ data you collect

PRESENTER:

Ted Granger, CUSP, CSSBB | Granger Management Consultants

▲ **COURSE 4 CREDIT** - Earn CUSP points when you pass

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CUSTOMER-OWNED SOLAR & WIND GENERATION CHALLENGES FOR ELECTRIC WORKERS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

As electric utilities and their customers continue to implement solar and wind-generated energy that connects to the grid, it's important that you understand how these distributed generation systems can impact the safety of your workers. This presentation not only gives you an overview about distributed generation and how it works, but also provides insight into how it can impact you and your workers.

YOU WILL LEARN:

- What types of distributed generation exist today
- How distributed generation gets onto the grid
- How distributed generation systems impact utilities and workers
- Understand the safety, reliability and cost considerations that go into clean energy implementation decisions.

PRESENTER:

Mike Caro, CUSP | Wilbros Group, Inc.

DESIGNING & IMPLEMENTING A SUCCESSFUL AED PROGRAM

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Automated external defibrillators can double the chances of survival of a cardiac arrest victim. Learn how the Navajo Tribal Utility Authority developed and delivered an AED program to a staff of 600 employees in only 15 weeks. Presenter Mary Lowery will explain how she led efforts to create a strong AED program by involving employees to take leadership roles, planning budgeting to support annual equipment updates and creating an employee buy-in strategy.

YOU WILL LEARN:

- Key ways to quickly and efficiently create an effective utility AED program
- Effective strategies to get program acceptance and ownership from employees
- How to ensure long-term AED program stability and sustainability

PRESENTER:

Mary Lowery | Navajo Tribal Utility Authority

DID OSHA MISS AN OPPORTUNITY TO REQUIRE INCREASED COVER UP?

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Do you know the history of utility cover up? How did current work practices evolve from working energized conductors from pole? In this session, presenter Danny Raines expands upon his recent iP Magazine article, "Voice of Experience: OSHA's MAD Changes and a Missed Opportunity" to highlight concerns about the Standard requirements.

YOU WILL LEARN:

- Insight into regulations on distribution voltages and gloving of energized conductors and equipment
- Proper distribution cover-up, including the path to ground
- Lessons learned from improperly covered potentials & grounds

PRESENTER:

Danny Raines, CUSP | Raines Utility Safety Solutions

DRILLED SHAFT SAFETY

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Drilled shaft worksites present dangers that require an organization to pre-plan, plan and plan some more to protect workers. Learn safety best practices from leaders in the drilled shaft foundation industry. Aldridge Electric's O'Brien Mills and Gary Coleman will provide insight and strategy into how to have safe drilled shaft worksites.

YOU WILL LEARN:

- Implementing a incident and injury free policy
- Effective emergency action planning
- The pre-planning steps you need to take
- Building an effective daily task analysis process
- Safety tips for moving machinery and equipment
- Creating drilled shaft permit entry policies
- Training, auditing & reporting strategies

PRESENTER:

O'Brien Mills, CUSP | Aldridge Electric
Gary Coleman, CUSP | Aldridge Electric

EQUIPOTENTIAL GROUNDING MADE PRACTICAL

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Distribution linemen typically work on de-energized lines hundreds of times in their career. Is installation of a ground chain enough protection? This program will explore that question as well as present different options on how to install and arrange protective grounds and bonding mechanisms in ways that prevents workers from getting hurt, should the line become energized. The session will conclude using a common sense approach to transfer these principles to the daily job.

YOU WILL LEARN:

- How to install and arrange protective grounds and bonding mechanisms
- About the common principles of protection
- More about equipotential grounding rules and documents

PRESENTER:

Dwight Miller | Ohio's Electric Cooperatives

ERGONOMICS FOR LINEMEN

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

"It's a tough job and people get hurt." Or, "you get paid well enough to tough it out." Too often, linemen believe trading their long-term health for the job is just the way things have to be. But it's just not true. In this session, utility safety expert Steve Hedden will detail what common lineworker tasks can cause injuries and what can be done to prevent them.

YOU WILL LEARN:

- How ergonomics can be applied to line work
- Understand the common types of injuries linemen are at risk to develop
- Lineworker work practices that can reduce and eliminate injury risk
- Which tools can help minimize and prevent injuries

PRESENTER:

Steve Hedden, CUSP, CLCP | Safely Home Utility Training Services

EYES IN THE SKIES: HOW YOU CAN USE DRONE TECHNOLOGY TO MITIGATE UTILITY SAFETY RISKS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Coutts Brothers Inc.—a utility contractor headquartered in Randolph, Maine—has been using unmanned aircraft systems (UAS, or drones) to inspect power lines for the past three years. What type of applications have they been using drones for, how have drones helped improve safety and what are some of the lessons they've learned?

YOU WILL LEARN:

- The safety considerations of using drones
- The utility applications that are the best fit for UAS technology today

PRESENTER:

Jared Rossignol, CUSP | Coutts Brothers Inc.

FROM THE FIELD TO THE OFFICE: ERGONOMICS BASICS FOR NEW MANAGEMENT

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Linemen are taught the basics of ergonomics while working in the field. But what happens when you move from working in a bucket to a management position where you spend a lot of hours at a desk? If you want to learn more about the real health risks that are associated with working at a desk, this is a course you won't want to miss!

YOU WILL LEARN:

- An understanding of office and desk ergonomics and why they matter
- About the health risks associated with working at a desk for long periods of time
- How proper desk ergonomics reduce injuries

PRESENTER:

Jerry Havens | ISPC

FRONTLINE - HUMAN PERFORMANCE: WHAT IS IT AND WHY SHOULD WE STUDY IT?

DURATION: 1 HOUR | ■

Do the same kinds of incidents continue to occur at your organization? When incidents happen, are you left in disbelief that they happened, about how they happened and about who they happened to? If your answer to either of these questions is yes, there is room for improvement and an opportunity to incorporate Human Performance (HP) into your safety program.

YOU WILL LEARN:

- Different methods of measuring safety
- Get an introduction to human performance and be able to define it
- Examine how effectively HP principles are integrated into their respective safety programs
- Define performance as the combination of behavior and results ($P = B + R$)
- Learn about the goals of HP
- Understand why HP should be studied and utilized

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

FRONTLINE - HP PRINCIPLE 1: PEOPLE SCREW UP

DURATION: 1 HOUR | ■

No one is perfect and we all make mistakes. Five mistakes an hour—and often not even aware—according to some studies. Traditional safety programs tend to assume if there is a rule or procedure and the rule or procedure is correct, people will follow the rule or procedure perfectly. That simply isn't the case. This course will discuss how the first principal of HP should be incorporated into safety programs and begin building an HP toolbox participants can use to reduce errors and manage controls.

YOU WILL LEARN:

- Acknowledge that people make mistakes
- Be introduced to concepts of safety by design and defense in depth to protect people from their mistakes
- Understand different types of errors and mistakes
- Incorporate human fallibility into observations, investigations, coaching and feedback

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

FRONTLINE - HP PRINCIPLE 2: YOUR CRYSTAL BALL

DURATION: 1 HOUR | ■

While we cannot know the exact time and date injuries will happen, HP allows us to identify error likely situations. Beyond that, we can predict, manage, and prevent with HP tools. This webinar will discuss the second principle of HP, error likely situations are predictable, manageable, and preventable, and how that principle can become your crystal ball to predict and prevent injuries.

YOU WILL LEARN:

- About the Crystal Ball Concept
- More about the TWIN model of Error Precursors
- How error precursors can negatively impact decision making
- How HP tools give yourself time to make good decisions
- About common error precursors

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

FRONTLINE - HP PRINCIPLE 3: YOU CANNOT OUTPERFORM YOUR ORGANIZATION

DURATION: 1 HOUR | ■

An individual can't be better than their organization and an organization cannot be better than its individuals. The third principle of Human Performance tells us that individual behavior is influenced by organizational processes and values. This course will discuss how HP principle three impacts performance.

YOU WILL LEARN:

- How to compare human error to system error
- Explain how systems errors, or latent organizational weaknesses impact individual performance
- How to identify latent organizational weaknesses

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

FRONTLINE - HP PRINCIPLE 4: PEOPLE INFLUENCE EACH OTHER

DURATION: 1 HOUR | ■

One key function of leadership is to create an environment where people can perform at the highest level. HP teaches us that people achieve high levels of performance based on encouragement, reinforcement and support. Leadership is all about the ability to influence those whom you lead. Effective leaders understand what motivates workers to embrace teamwork, respect each other and work safely and effectively. In this webinar, we'll explore proven human performance strategies that will help you become a more influential leader.

YOU WILL LEARN:

- Explain how support and encouragement can motivate people
- Discuss the advantages and disadvantages of showing the right way and measuring what you want compared to using injury data and focusing on events
- Outline how different types of consequences should be used by leaders to influence behavior
- Briefly mention the need to provide consequences based on performance and not behavior

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

FRONTLINE - HP PRINCIPLE 5: WHY WORKS

DURATION: 1 HOUR | ■

Albert Einstein once said, "if I had an hour to solve a problem, I'd spend 55 minutes thinking about the problem and five minutes thinking about solutions." This is what HP principle five is all about because it says that events can be avoided through an understanding of the reasons mistakes occur and an application of lessons learned from past events or errors. In this webinar, you'll learn more about applying this HP principle in ways that will help you improve your organization's safety performance.

YOU WILL LEARN:

- Why traditional investigations that focus on human error are flawed
- How to use the culpability matrix to avoid the blame cycle
- Methods of incident investigations that prevent incident recurrence

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

FRONTLINE - A COMPLETE DEFINITION OF LEADERSHIP

DURATION: 1 HOUR | ■

What is your definition of leadership and how do you measure your leadership? The fear of failure, fear of hurting others' feelings, or an incomplete definition of leadership may be holding you back. It's not always about yelling and cussing with a my-way-or-the-highway mentality or being the unquestioned authority on the work your team performs. Anyone that wants to maximize their effectiveness and potential as a leader should attend this webinar.

YOU WILL LEARN:

- What leadership is and how it is measured
- Outcomes produced by successful leaders
- Five critical characteristics that successful leaders possess

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

FRONTLINE - STOP TELLING & START COMMUNICATING

DURATION: 1 HOUR | ■

How many times have you heard someone say, "I've told them 1,000 times..."? Have you ever assumed communication has taken place because you sent an email and got a read receipt? Did your words account for less than 10% of communication? How many incidents are caused by lack of or ineffective communication? What happens when we don't communicate? This course will define communication and walk through each step of the communication process including message and media selection, filters, obstacles, and feedback. The ultimate goal will be to communicate for mutual understanding.

YOU WILL LEARN:

- Communicating for mutual understanding
- The communication process
- Results of effective and ineffective communication

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

FRONTLINE - VALUING YOUR TEAM & DEVELOPING RELATIONSHIPS

DURATION: 1 HOUR | ■

Your team is diverse and each individual contributes in different ways. Remember this: you don't have a choice whether or not you have relationships with your team but you do have a choice about what kind of relationships you have. Participate in this course and learn how to foster positive and effective relationships that will result in increased and improved trust, teamwork, and communication.

YOU WILL LEARN:

- Identifying and utilizing individual and team strengths and weaknesses
- Diversity with a focus on generational differences
- TEAMwork
- Fostering effective relationships

PRESENTER:

David McPeak, CSP, CHST, CUSP, CSSM | Incident Prevention Institute

GENERATIONAL DIFFERENCES: WHAT'S THE BIG DEAL?

DURATION: 10 MINUTES | ◆

What are the greatest differences seen from employees of different generations? What managerial tactics can be used by management to get all employees from different generations to work productively together? You'll find out in this Quick Learning topic.

YOU WILL LEARN:

- Why it's important to adapt to change
- Understand the differences between baby boomer and millennials
- Why effective feedback matters
- How to use generational diversity as a strength

PRESENTER:

Rey Gonzalez | HOPE Consulting, LLC

GOING INTO AUTOPILOT: IS TECHNOLOGY PREVENTING OR CAUSING INCREASES IN DRIVER INCIDENTS?

DURATION: 1 HOUR | ▲● | 1 CUSP POINT

Distracted driving. Aggressive driver behaviors. Lapses in judgment. These are just a few of the issues that increase a utility's risk of preventable accidents, drive up the number of expensive claims and litigation payouts, and potentially ignite a public relations firestorm. But despite today's vehicles offering more safety systems and technology tools than ever before, the vehicle fatality rate in the U.S. has seen the biggest two-year jump in over five decades.

YOU WILL LEARN:

- Practical tips on what you can do to promote a culture of safety throughout your utility and fleet operations
- What fleet and safety departments do to drive down incident rates to protect drivers, the public and the organization's bottom line

PRESENTER:

Carl Cormier | Driving Dynamics, Inc.

HARDWIRED INHIBITIONS: HIDDEN FORCES THAT KEEP US SILENT IN THE FACE OF DISASTER

DURATION: 1 HOUR | ▲● | 1 CUSP POINT

A recent study has revealed that only 39 percent of people speak up when they witness something they consider to be unsafe. Why is it that such a large percentage of workers remain silent when they or their coworkers are exposed to danger? The RAD Group's Phillip Ragain, uncovers the real reasons why many stay silent in the face of danger and provides some insight into what safety managers can do to improve safety intervention at their organization.

YOU WILL LEARN:

- About real-world stories and situations that reveal the true motivations behind being silent when it comes to safety intervention
- Why stop work authority isn't enough to motivate workers to speak up
- How contexts such as production pressure, unit bias, deference to authority and the bystander effect have an impact on how employees prioritize safety
- How reactance, social incongruence and confirmation bias drive whether or not employees will speak up when dangerous situations arise
- Some tips and advice on how to motivate your employees to increase their safety intervention rate

PRESENTER:

Phillip Ragain | The RAD Group

HOW SUNFLOWER ELECTRIC POWER FOUND SAFETY SUCCESS BY USING SCENARIO-BASED FALL PROTECTION SOLUTIONS

DURATION: 1 HOUR | ●

As an introduction to scenario-based fall protection solutions, presenter Robbie Adams will explain how Sunflower Electric identified appropriate fall protection for working on top of transformers without employees tying off at their feet. The presentation will include an open forum and question and answer session regarding scenario-based fall protection.

YOU WILL LEARN:

- The advantages of elevating anchor points and using self-retracting lanyards
- How to deal with fall clearances on substation equipment
- How using different fall protection methods to minimize exposure can help you maintain 100 percent fall protection

PRESENTER:

Robbie Adams, CUSP, CLCP | Sunflower Electric Power Corporation

HOW TO EMPOWER YOUR WORKERS TO PROACTIVELY ADDRESS HAZARDS

DURATION: 1 HOUR | ▲● | 1 CUSP POINT

Workers have "dealt with" hazards in their working environment for years. Frequently, they are recognized, thanked and promoted for "getting the job done in spite of the hazards." This session will explore how managers and supervisors must facilitate a safety culture that empowers employees to stop work activity if/when they encounter hazards as well as how to address the hazards effectively and proactively.

YOU WILL LEARN:

- Why recognizing AND addressing hazards in the workplace prior to starting work is important
- How supervisors can facilitate and encourage workers to identify and address hazards
- Insight into training techniques that promote hazard recognition and resolution

PRESENTER:

Robert Buckingham, CUSP | HOPE Consulting, LLC

HOW TO IMPROVE WORKSITE ACCOUNTABILITY AND IMPROVE SAFETY

DURATION: 1 HOUR | ▲● | 1 CUSP POINT

Research shows 95 percent of workers struggle to hold their coworkers accountable for worksite and job safety—which leads to avoidable incidents. Through case studies, videos and exercises, you will learn how to restore workplace safety by holding everyone in the organization accountable regardless of position.

YOU WILL LEARN:

- Methods to hold any person accountable regardless of power or position
- How to master accountability discussions while maintaining positive relationships
- Proven strategies to improve workplace safety

PRESENTER:

Steve Willis | VitalSmarts

HOW TO IMPROVE YOUR TEMPORARY EQUIPOTENTIAL PROTECTIVE GROUNDING

DURATION: 1 HOUR | ▲● | 1 CUSP POINT

Learn a brief history of temporary protective grounding as well as recent OSHA guidelines that impact working practices and product. Using a simple circuit analysis, we will illustrate the impact of fault current with and without adequate protective grounding. You will gain a greater understanding of the potential hazards that impact your workers when inadequate ground sets are employed. Equipotential grounding will be presented, with detail about the products needed to achieve an equipotential zone for your linemen.

▲ **COURSE 4 CREDIT** - Earn CUSP points when you pass

● **VIDEO ON DEMAND** - Watch videos of utility safety experts

■ **WEBINAR/WEBINAR REPLAY** - Webinars/webinar replays

◆ **QUICK LEARNING** - Learn from short 5-10 minute videos

YOU WILL LEARN:

- Why managing your equipotential grounding is so crucial—and the products you should use to achieve an equipotential zone for your linemen
- More about potential hazards to workers when inadequate ground sets are employed
- What fault current and resistance is and how to keep your team safe
- How OSHA 29 CFR 1910.269 impacts linemen

PRESENTER:

Jeff Kopp | Hubbell Power Systems/Chance

HOW TO PERFORM EFFECTIVE NESC SUBSTATION AUDITS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

This program will cover the importance of performing substations audits in accordance with NESC standards. The need to ensure equipment and facilities are in good condition can be critical as will be demonstrated by a case study resulting in a fatality. We will discuss components including the ground grid connections, fence specification, equipment grounding, objectionable current flow, importance of gauges and indicator lights, DC control systems, signage requirements, vegetation management, lighting, and equipment maintenance requirements. A sample checklist will be provided to attendees.

YOU WILL LEARN:

- Define the NESC requirements for supply stations
- Describe various component parts of substations that should be regularly inspected and maintained
- Understand the need to perform inspections to reduce the risk of injuries and potential legal litigation

PRESENTER:

Lee Marchessault, CUSP | Workplace Safety Solutions, Inc.

HOW TO SHIFT YOUR UTILITY SAFETY CULTURE

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Is your organization falling into safety culture pitfalls? Do you know what actions effective leaders take to shape a successful safety culture? Utility safety expert Phillip Ragain will answer those questions and many more. He explains the mechanisms that drive safety culture, how individuals internalize and adopt “unwritten rules” which become taken-for-granted behaviors, and the role leaders play in either positively or negatively influencing company culture. Lastly, Ragain presents concrete steps that organizations can take to shift to a more mature safety culture level.

YOU WILL LEARN:

- How to demystify the concept of safety culture and make it practical
- Examine the hierarchy of safety culture levels and their characteristics
- Brain function as it relates to problem-solving and automation and why that knowledge is useful for shifting culture
- Which variables play the most significant role in forming safety culture
- How leaders’ actions and subtle cues shape and influence culture—both positively and negatively
- To identify the pitfalls to avoid when changing culture
- Tools to shift an organization’s safety culture to a more mature level

PRESENTER:

Phil Ragain | The RAD Group

IDENTIFYING TRIGGERS AND PREVENTING EVENTS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

You’re working on a job and come across something that just doesn’t look or feel right. You get that feeling in your gut and you begin questioning the safety of the task. These triggers are very powerful signals and it is vitally important you know how to spot them and respond to them in the proper way. In this session, you’ll learn to do just that—as well as explore a case study that reveals how ignored triggers led to bad results.

YOU WILL LEARN:

- What triggers are and where they are located in an organization
- The importance of using a questioning attitude to spot triggers
- Why a “Stop when Unsure” protocol is effective

PRESENTER:

Rey Gonzalez | HOPE Consulting, LLC

IGNORE YOUR EMPLOYEES AND THEY’LL GO AWAY!

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

A diminishing pool of workers combined with an emerging workforce that increasingly seeks recognition and a sense of accomplishment is a growing challenge to the utility field. Standardization of training and leader development are key components to retaining quality employees, attracting and developing future leaders, and moving your company towards safety excellence.

YOU WILL LEARN:

- Identify indications of non-standardized training and describe the key components of a standardized training system
- Specify elements required for effective goal setting
- Illustrate characteristics of an effective performance evaluation
- Describe elements of an effective counseling session

PRESENTER:

Glen Moehling, CUSP | Ocala Electric Utility

IMPLEMENTING AN EFFECTIVE HUMAN PERFORMANCE TOOLBOX

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Utility workers have high-risk, dangerous jobs. When errors are made, it can result in a serious injury—or even worse—a fatality. That’s why it is essential for utility safety leaders to implement solutions that minimize errors. In this presentation, utility safety expert Pam Tompkins provides you with the tools you need to begin reducing errors at your utility.

YOU WILL LEARN:

- The meaning of “Error Traps” as it relates to utility employees
- Types of error prevention tools
- How utility employees can effectively use error prevention tools
- Strategies and methods to effectively implement the tool box

PRESENTER:

Pam Tompkins, CUSP, CSP, CUSA | SET Solutions, LLC

IMPLEMENTING AN EFFECTIVE T&D SWITCHING AND TAGGING PROCESS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Do you know the differences between traditional lockout-tagout and switching and tagging on T&D systems? Do you fully understand OSHA’s new requirements for switching and tagging procedures? If you answered “no” to either of the above, this is the session for you. Presenter Skip Holloway will explain why you need an effective switching and tagging process as well as show you how to develop one.

YOU WILL LEARN:

- More about OSHA'S 1910.269(m) "De-energizing lines and equipment for employee protection"
- Specific terms and definitions for T&D procedures required for de-energizing, isolating, tagging and grounding to perform de-energized work
- What it takes for a worker to be considered a "qualified employee"
- Details and insight about required training

PRESENTER:

Skip Holloway, CUSP | SET Solutions, LLC

INCIDENT INVESTIGATION: HOW DOING IT RIGHT CAN PREVENT FUTURE INCIDENTS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Once an incident has occurred, it's important to determine the facts and develop a plan to ensure future incidents don't occur. Before a plan can be developed, basic causal factors—including the root cause—must be established. Join this class for an active discussion about reviewing basic incident prevention strategies, developing a systematic investigation approach, how to determine causal factors, root cause analysis, investigation techniques, and how to write and submit a complete incident investigation report to management.

YOU WILL LEARN:

- How to develop a comprehensive and systematic incident investigation plan for your organization
- Why causal factors need to be identified prior to developing your plan
- What elements should be included in an investigation report to management

PRESENTER:

Pam Tompkins, CUSP, CSP, CUSA | SET Solutions, LLC

LEADERSHIP CHARACTERISTICS THAT DRIVE UTILITY TEAM SAFETY

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Is your utility safety organization frustrated by the plateau in improvements to injury rates? Are you looking to add to your toolbox to revitalize your utility safety program? Listen as Esteban Tristan describes how leader's style and behavior contribute to the success—or failure—of a utility safety program. An in-depth review of safety and leadership styles and a short personal assessment will provide actionable insight. You will understand the strengths and the potential blind-spots of your or your team's style(s)—and benefit from the case-studies presented, including concrete action steps that you can adapt to meet your organization's needs.

YOU WILL LEARN:

- Why injury rates have plateaued despite ongoing focus on safety
- What safety DNA is and how it influences your team's safety behavior
- What the 4 factor S.A.F.E. model reveals about safety styles
- Safety leader blind-spots and appropriate action plans to improve effectiveness
- Key behaviors tied to successful safety leadership
- Tips for coaching to one's safety leader style

PRESENTER:

Esteban Tristan, Ph. D | Select International

LEADING FOR SAFETY'S SAKE

DURATION: 1 HOUR | ●

As a utility safety and operations leader, you know it is important to effectively manage your team. Former lineman and current cognitive training expert Jim Walters taps into his "Get to Know Your Brain for Safety's Sake" presentation to provide you with insightful and intelligent ways you can improve your leadership skills.

YOU WILL LEARN:

- Several "ah ha's" regarding how to lead and practice working incident free
- Why management is key to the safety process and why leadership is key to the application of those processes
- The tenets of effective leadership including understanding the role of followers, moral development and more
- Key components of a safety leadership plan and how to effectively implement it

PRESENTER:

Jim Walters | The Power of Learning

LESSONS FROM A LEADERSHIP WARRIOR: A KEYNOTE PRESENTATION BY GENERAL (RET.) JOE RAMIREZ

DURATION: 1 HOUR | ●

When it comes to managing risk in a deadly environment, the leadership decisions you make can be the difference between life and death. Few know this better than Brigadier General Joe E. Ramirez (retired). He is a career Army officer who has led troops around the world in both peacetime and wartime, including serving as the Deputy Chief of Staff for the wartime headquarters overseeing Operation Iraqi Freedom and Operation Enduring Freedom. Ramirez presents an insightful and compelling narrative about what it takes to lead a team to be safe in potentially dangerous environments.

YOU WILL LEARN:

- A better understanding of your role as a leader
- Why it's important to change and adapt on an ongoing basis
- How to effectively manage generational differences.
- Why failure is not fatal (but failure to change is)
- How to build values based on your instinct to collaborate
- Why you must establish trust with every member of your team

PRESENTER:

General (Ret.) Joe Ramirez

MAKING SENSE OF 1910.269: GET YOUR COMPLIANCE QUESTIONS ANSWERED

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

OSHA 29 CFR 1910.269, the electric power generation, transmission and distribution standard, is not a complicated standard if you understand its practical application in the field. This jam-packed session will explain how to apply the standard to your work and attempt to answer the most commonly asked questions about the standard, including those related to training requirements, PPE, fall protection and AR/FR clothing requirements. This session is for you if you work in electric power generation, transmission or distribution; have responsibilities for safety; have questions or need interpretations about the standard; or want to understand what the standard really means to you and your organization.

YOU WILL LEARN:

- What changed between the 1994 and 2014 versions of 1910.269
- About cover-up, including whether or not OSHA missed a

chance to reduce the chances of contact and flashes?

- About de-energizing for protection of the employee
- System grounding and requirements for equipment operations near energized conductors

PRESENTER:

Danny Raines, CUSP | Raines Utility Safety Solutions

**MOBILE EQUIPMENT REGULATORY UPDATE:
UNDERSTANDING CHANGES TO OSHA AND ANSI
STANDARDS**

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Get the latest regulatory information about mobile equipment including the walking-working surfaces standards and how these apply to vehicles. This session will also examine the interpretation letters for dual-rated equipment and construction activity.

YOU WILL LEARN:

- How walking-working surfaces standards apply to vehicles
- OSHA's interpretation letter regarding dual rated equipment.
- Recent OSHA interpretation letters on construction activity

PRESENTER:

Josh Chard | Altec

**OFF-ROAD DRIVING: KEY SAFETY STRATEGIES FOR WHEN
THE GOING GETS ROUGH**

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Whether it's a company truck, ATV or UTV, driving off-road introduces unique safety concerns into the commute to the job site. Once off the beaten path, workers face a variety of new challenges that, if unprepared for, could result in serious injury, vehicle damage or a need for extraction. This presentation will highlight potential concerns, as well as the need for additional training and preparation prior to leaving the pavement.

YOU WILL LEARN:

- To identify how loading cargo can affect the off-road driving characteristics of a vehicle
- The frequent causes of injuries in off-road driving
- How to determine safe options for navigation of difficult terrain

PRESENTER:

Steve Andreas | Safety One Training, Inc.

**ORGANIZATIONAL DRIFT: WHY SAFETY VARIES ACROSS
YOUR ORGANIZATION & WHAT YOU CAN DO TO FIX IT**

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Large utilities and contractors have a tendency to drift away from the safety vision, rules and procedures that were defined by the organization. This drift can lead to increased near hits and incidents. This session explores why drift occurs, what you can do to recognize it and how to correct it.

YOU WILL LEARN:

- What organizational drift is and why it occurs
- Key indicators that reveal that drift is occurring
- How to correct the drift and prevent future drift from occurring

PRESENTER:

Mike Caro, CUSP | TRC Solutions

OSHA 1910 & 1926 STANDARDS UPDATE

DURATION: 7 HOURS | ●

If you've been looking for electric power industry-specific information on the latest changes to OSHA's 1910 and 1926 OSHA standards, look no further! In this video on demand, utility safety expert Pam Tompkins presents seven hours of in-depth data and insight about OSHA's new rules as they relate to the electric power industry.

YOU WILL LEARN:

- The changes to information sharing between host employers and contractors
- Rules changes to fall protection
- New guidelines for minimum approach distances (MAD)
- New rules for protection from flames and electric arcs

PRESENTER:

Pam Tompkins, CUSP, CSP, CUSA | SET Solutions, LLC

**OSHA POWER STANDARDS UPDATE ROUNDTABLE
DISCUSSION**

DURATION: 1 HOUR | ●

As organizations continue to adapt to comply with the recent changes to OSHA 1910 & 1926 standards, there is still confusion about how to properly comply with certain areas of the new rules. This roundtable session—filmed at the August 2015 iP Utility Safety Conference—offers some additional compliance insight and interpretation.

YOU WILL LEARN:

- More about paragraphs N & Q of the grounding rules
- What the rules say about undergarment rules
- How to clear up confusion regarding confined spaces versus enclosed spaces
- About issues relating to employers being required to provide MAD

PRESENTER:

Danny Raines, CUSP | Raines Utility Safety Solutions
Pam Tompkins, CUSP, CSP, CUSA | SET Solutions, LLC
R. Scott Young, CUSP | Industrial Safety Institute
Rick Tobey | ISPC

OSHA'S NEW RULES ON ARC FLASH PROTECTION

DURATION: 4 HOURS | ●

The recent changes to OSHA 1910 & 1926 have made significant changes the employer's requirements for arc flash protection. Arc flash expert Hugh Hoagland will provide in-depth insight into the changes OSHA has made to its arc flash protection rules. You'll also learn about changes made to NFPA 70E, 1926.950-969 and NESC. You'll get an overview about the dangers of arc flashes as well as information about the protective equipment that is tested to provided adequate protection.

YOU WILL LEARN:

- The practical changes to relevant regulations and standards
- The employer's requirements for purchase, care and maintenance of garments under PPE standards (Subpart I)
- How to evaluate cost-saving compliance strategies for evaluation, specification, selection and care of PPE for arc flash

PRESENTER:

Hugh Hoagland | e-Hazard

OSHA'S NEW RULES ON FALL PROTECTION: WHAT YOU NEED TO KNOW

DURATION: 4 HOURS | ●

The recent changes to OSHA 1910 & 1926 have changed how workers use and employers manage fall protection. In this video replay, renowned utility safety expert Jim Vaughn provides you with an in-depth breakdown of all of the new OSHA rules on fall protection.

YOU WILL LEARN:

- The changes to the fall protection rules that are being implemented with the publication of OSHA's new final rule regarding CFR 1910.269 and 1926 Subpart V
- How the new rules compare to the original fall protection rules that were in place since the advent of workplace safety
- The exemptions that previously enabled utilities and contractors to operate without fall protection for poles and similar structures that are no longer valid

PRESENTER:

Jim Vaughn, CUSP | ISPC

OSHA'S NEW RULES ON MINIMUM APPROACH DISTANCE: WHAT YOU NEED TO KNOW

DURATION: 4 HOURS | ●

The recent changes to OSHA 1910 & 1926 have changed how workers must work around energized power lines. In this video replay, renowned utility safety expert Jim Vaughn provides you with an in-depth breakdown of all of the new OSHA rules on minimum approach distance (MAD).

YOU WILL LEARN:

- A non-technical understanding of the basics of IEEE 516 and the "IEEE Guide for Maintenance Methods on Energized Power Lines," which is the basis for OSHA's new MAD rules
- The basics for calculating minimum approach distances
- How to identify multiphase exposures

PRESENTER:

Jim Vaughn, CUSP | ISPC

PAIN, NO GAIN: HOW TO PREVENT MUSCULOSKELETAL DISORDERS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Many workplace injuries don't occur from a single traumatic event. Rather they occur from several months or even years of neglect and abuse that eventually create an injury ticking time bomb. The good news is that these injuries can be avoided by implementing an effective injury prevention strategy. This course will show you what you need to do to take control of your organization's injuries as well as provide advice on how to get employees to take ownership of their health and well being.

YOU WILL LEARN:

- Learn the true value of implementing an injury prevention strategy
- See what pitfalls and mistakes people and organizations make that lead to injuries
- Understand the anatomy of the spine and why back injuries are the most common injury claim
- Learn how cumulative microtrauma is the root cause of many injuries
- Understand how and why you should delegate the injury prevention responsibility
- Get tips and advice for how one can prevent prolonged stress, tension and damage to the body
- Participate in some non-strenuous exercises that will show you

how to effectively stretch the muscles in your neck, fingers and arms.

PRESENTER:

James Clapper | Future Industrial Technologies

PROTECTIVE GROUNDING PRINCIPLES: THE LIMITS OF THE "ZONE"

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Personal protective grounding is often misunderstood—and the sad reality is that misunderstanding results in injuries, destruction and fatalities. Using scientific data and real-life case studies, Jim Vaughn provides you with the insight and understanding you and your staff need to know about the true risks of fault situations and what can be done to keep everybody safe.

YOU WILL LEARN:

- How utility grounds always carry potentially deadly current
- OSHA, ANSI and IEEE requirements for grounding and equipotential
- How current travels during faults
- Common mistakes many workers make
- Why you should ground your truck
- Grounding & equipotential strategies that work

PRESENTER:

Jim Vaughn, CUSP | ISPC

RETHINKING UTILITY SECURITY: ARE YOUR WORKERS EXPOSED TO DANGER?

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

With the impact of modern communication on the utility and its employees—and the influence shifting attitudes, lifestyles, and values on security—utility workers are exposed to increasingly dangerous work environments. In this session, you'll learn why a secure utility environment requires a multifaceted strategy for field and office staff and how a singular security approach creates false confidence and is a recipe for disaster.

YOU WILL LEARN:

- Introduces practical techniques and strategies for improving security without hampering operations
- Get an overview of the changing utility environment and why it requires enhanced security both in the office and in the field
- Identify the differing security focus areas and their interrelationships
- Gain an understanding of methods and techniques for improving utility's security posture

PRESENTER:

Jim Willis | InDev Tactical

RISK MANAGEMENT & LEADING INDICATORS: HOW TO USE EACH TO REDUCE INCIDENTS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

This presentation addresses how organizations can use leading indicators as a risk management tool. Presenter Rey Gonzalez will also deliver an overview of a unique risk management approach to triggers and observation as well as feedback processes.

▲ **COURSE 4 CREDIT** - Earn CUSP points when you pass

● **VIDEO ON DEMAND** - Watch videos of utility safety experts

■ **WEBINAR/WEBINAR REPLAY** - Webinars/webinar replays

◆ **QUICK LEARNING** - Learn from short 5-10 minute videos

YOU WILL LEARN:

- How organizations can use leading indicators as a risk management tool
- Examples of relevant key performance indicators
- A new view on leading indicators for complex and dynamic work environments
- About a unique risk management approach to triggers and observation and feedback processes
- About actual data collected that presents emerging risks, exposures and hazards

PRESENTER:

Ray Gonzalez | HOPE Consulting, LLC

RUBBER COVER UP: WE NEED TO CHANGE THE TRUCK-TO-TRUCK MENTALITY

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

This presentation will explain how new employees should be trained on safely approaching the primary zone, as well as how to insulate and isolate and avoid second points of contact.

YOU WILL LEARN:

- The importance of 100 percent buy-in at all levels
- New ways to promote safety, training and building trust with every employee
- How to proactively control worksites involving primary work

PRESENTER:

Bruce Meagher | Bigfoot Construction Equipment, Inc.

SAFETY IMPROVEMENT AUDITS - WHAT, WHY, WHEN, AND HOW

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Audit? Just the thought of participating in an audit brings to mind frightening thoughts. So why would an organization want to spend time, money and resources to audit when it could be painful? To answer this question, organizations must develop a deeper understanding of using audits as an improvement tool rather than a way to monitor compliance.

YOU WILL LEARN:

- The differences between traditional compliance audits and improvement audits
- Why and when a safety improvement audit should be completed
- What should be included in a comprehensive safety improvement audit
- How to use a safety perception survey and a common cause analysis to help identify specific safety culture issues and areas of vulnerability
- How to identify strengths and weaknesses within safety management systems, training systems and written rules and procedures
- How to develop an effective plan for future improvement

PRESENTER:

Pam Tompkins, CUSP, CSP, CUSA | SET Solutions, LLC

SAFETY TRAINING FOR METERING PERSONNEL

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

From shocks and arc flashes to slips and dog bites, metering personnel face a wide array of dangers. In this course, utility safety expert Lee Marchessault will detail those dangers and more as well as provide helpful strategies and tips to help keep employees safe

while working with meters.

YOU WILL LEARN:

- The most common causes of injuries to metering personnel
- How shock incidents can easily go from a mildly painful jolt to a deadly incident
- The hazards that make arc flashes extremely dangerous and what metering personnel must do to protect themselves
- An overview of the new OSHA 1910.269 regulations affecting metering jobs and personnel
- What OSHA requires employers to do to ensure metering staff are safe
- Guidelines that you should follow when training your metering staff
- New Minimum Approach Distance rules
- Advice on what equipment and PPE metering personnel should be using
- Common meter hazards caused by environmental conditions and improper workmanship
- Real-world stories of how ignoring safety can lead to tragic consequences

PRESENTER:

Lee Marchessault, CUSP | Workplace Safety Solutions

SOLAR POWER SAFETY: AN INTRODUCTION

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Is your organization implementing solar power generation soon? Are you curious about how solar power safety works? If so, this is the course for you! First Solar's Regional Safety Manager Jeff Court provides you with a surface-level look at safety strategies as they relate to solar power generation.

YOU WILL LEARN:

- How solar power generation is growing in the United States and worldwide
- How solar panels generate power
- Safety challenges specific to solar power generation
- Heat illness prevention tips and techniques

PRESENTER:

Jeff Court, CUSP | First Solar

SPEC'ING AERIAL EQUIPMENT FOR MAXIMUM SAFETY: BEST PRACTICES THAT PROTECT YOUR WORKERS

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Your crews are brave first responders on the front lines to restore power for customers after major storm events. So, when you send them out in bucket trucks to repair power lines, how can you ensure that your lineworkers can have confidence in the safety of the aerial equipment you provide them? Start by spec'ing the aerial equipment with maximum safety in mind.

YOU WILL LEARN:

- How to properly spec aerial equipment
- Best practices to help you avoid the common pitfalls that could put your people at risk

PRESENTER:

Eric Lumberg | Altec

SUBSTATION RESCUE PLAN COMPLIANCE

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

When an incident occurs, each minute that ticks by during a rescue can literally mean the difference between life and death. This is why it is so vital to have a rescue plan in place for substation work. In

this session, you'll learn how to create an effective substation rescue plan, why relying on the fire department for rescue is ill advised, and to understand the various rescue equipment you can use.

YOU WILL LEARN:

- Why you need a rescue plan
- The difference between planned and improvised rescue
- About the various types of substation rescue
- About the related regulations you need to follow
- What rescue equipment is available

PRESENTER:

R. Scott Young, CUSP | Industrial Safety Institute

SUBSTATION SAFETY

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Any employee working on substations needs to understand the dangers and how to take the appropriate safety steps. Utility safety expert Lee Marchessault breaks down all of the hazards involved in substation work as well as the new OSHA regulations that organizations are required to follow.

YOU WILL LEARN:

- Substation hazards
- A greater understanding of the new OSHA regulations, including:
 - Requirements for qualified workers
 - Job briefings
 - PPE changes
 - Switching & tagging vs. lockout-tagout
 - Grounding
 - Vehicles in substations
 - General substation safety

PRESENTER:

Lee Marchessault, CUSP | Workplace Safety Solutions

SUPERVISORY SKILLS FOR THE CREW LEADER

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

What does it take to be a good crew leader? What sort of leadership styles, communications and skills does it take and what can you do to ensure you're motivating your crew? Utility safety expert Mack Turner answers these questions and more in this presentation about supervisory skills for crew leaders.

YOU WILL LEARN:

- What the crew leader's role should be
- More about the DiSC Profile System
- Tips on how to be a more effective communicator
- More about generational differences
- Advice on how to effectively plan and organize
- An understanding of the principles of motivation

PRESENTER:

Mack Turner, CUSP, CUSA, COSS | ISPC

SUSTAINING UTILITY SAFETY SUCCESS: HOW TO CREATE A LONG-TERM SUCCESSFUL SAFETY STRATEGY

COURSE DURATION: 12 HOURS | ▲ | 5 CUSP POINTS

Does your organization implement safety initiatives that work one year, but fail the next? Are you having difficulty finding solutions to safety issues at your organization that are consistently effective? Are you looking to elevate the success of your safety program? If you answered yes to any of the above, this is a course you'll want to take.

Ted Granger taps into his vast utility leadership experience and

Six Sigma knowledge to provide you with an extremely detailed, comprehensive strategy for sustaining safety success at your organization. You'll learn about the most common mistakes utility safety leaders make and how to correct them. Additionally, you'll receive proven and effective best practices guidelines for building an outstanding safety program.

This 12-hour course has been broken up into short segments so you can learn at a pace that is best for you and your schedule. With your registration, you get access to all 6 chapters, 47 video segments (6 hours of video), 38 interactive quiz activities and 9 downloadable PDF activities.

YOU WILL LEARN:

- Define your safety vision
- Use SWOT analysis for strategic planning
- Effectively involve leadership and employees in the safety process
- Create a safety recognition program that works
- Learn how to use and identify key performance indicator (KPI) metrics
- Implement a communications strategy
- Get employees to take individual ownership of safety
- Use human performance knowledge to reduce incidents
- Assess and improve your organization's safety culture
- Improve hazard recognition with pre-job, site visit and evaluation strategies
- Implement an unsafe conditions process
- Measure and analyze near miss data
- Improve your safety processes
- Implement corrective measures into the work process
- Create an effective behavioral observation process
- Properly implement inspection of facilities audits
- Develop a safety implementation process for new materials, equipment, tools and procedures
- Implement safety rules and procedures for hazard prevention and control
- Plan and manage an effective safety and health training program
- Identify and validate safety leading indicators
- Improve safety quality and productivity
- Implement comprehensive safety data monitoring

PRESENTER:

Ted Granger, CUSP, CSSBB | Granger Management Consultants

THE GOOD, BAD & UGLY OF BEING COMPLACENT WITH SAFETY

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Ever hear about an accident that made you think, "what were they THINKING?" It's true. Every day, seemingly easily-avoided incidents occur as a result of somebody's brain going into "cruise control" which causes them to miss present dangers. Believe it or not, our brains are actually hardwired to function in this autopilot mode that leads to complacent, unfocused and unfortunately unsafe work behaviors. Learn why and what you can do to combat against it from occurring with your employees.

YOU WILL LEARN:

- Why our brains are programmed to be complacent
- How our inattention leads us to be blind to present dangers
- Why we believe we're better at being safe than we actually are
- Tips and techniques to keep your team from being complacent about safety

PRESENTER:

Dianne Stober | C Cubed

THE IMPACT OF NEW OSHA RULES ON THE HOST & CONTRACTOR RELATIONSHIP

DURATION: 4 HOURS | ●

The recent changes to OSHA 1910 & 1926 have made significant changes to the ways that host employers must work with its contractors. Utility safety expert Ted Granger will navigate through the complexities of these changes to help make sure you maintain compliance.

YOU WILL LEARN:

- Rules on multi-employer citations
- Rules on defining the host and contractor roles
- An overview of types of contractor employers
- Rules on onboarding & ongoing communications processes
- Rules on the contractor employer selection process
- Incorporating communications into the contract
- Rules for providing system characteristics, installation conditions, & contractor-requested information
- Information needed for contractor assessments
- Assessments required by the contractor & the information required to be provided by the host
- How to coordinate work rules
- Rules on pre-job briefings
- Changes to the information exchange process options
- Enforcing date information
- An overview of OSHA's response to EEI's questions

PRESENTER:

Ted Granger, CUSP, CSSBB | Granger Management Consultants

THE iY GENERATION: WHY ARE THE YOUNGSTERS SO DIFFERENT & HOW TO BETTER LEAD THEM

DURATION: 10 MINUTES | ◆

If you have people on your team who were born after 1990, you have some iY Generation members in your group. Learn more about this generation.

YOU WILL LEARN:

- Why the iY Generation is so different
- Why leading the iY Generation is challenging
- How to inspire and lead iY Generation
- How to effectively train the iY Generation

PRESENTER:

Bob Hobbs, CUSP | Coastal Electrical Construction

THE PAST, PRESENT & FUTURE OF FALL PROTECTION

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Fall protection has been a vital, evolving form of PPE for a number of industries—especially utilities. This session will explore the past, present and future of fall protection to show you how much we've already changed our fall protection and take a look at how fall protection may change moving forward.

YOU WILL LEARN:

- An understanding of today's fall protection
- The ways fall protection needs to evolve
- Live demos of how new fall protection is correctly used

PRESENTER:

Mark Todd, CUSP | Electricities of NC

THE SAFETY CONNECTION: HOW TO MAXIMIZE SYNERGY AMONG SAFETY, ENVIRONMENTAL & SECURITY FUNCTIONS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Thieves who steal copper grounds from substations; a messy work environment that causes a worker to fall and get hurt; an improperly labeled hazardous material causes workers to get sick after it is unintentionally inhaled—there are a lot of ways that safety, environmental and security functions overlap in ways that can impact your safety program. This course will show you how these areas overlap and provide you with some advice on how to maximize the safety synergy between all three.

YOU WILL LEARN:

- About the safety, environmental and security functions and how all three have significant overlap
- How to leverage this overlap to improve your safety program's performance
- Get real-world examples that reveal significant overlap
- Several valuable ways you can implement cross-functional synergy

PRESENTER:

Joe Saccaro, CUSP, CSP, OHST, CUSA | American Transmission Company

THE SAFETY SIDE EFFECT: THINGS LEADERS DO THAT COINCIDENTALLY IMPROVE SAFETY

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Research tells us that leaders play a special role in the safe or unsafe performance of subordinates. In fact, even the most subtle actions a leader takes can have a profound impact on how his or her team works. Safety expert Phil Ragain will provide you with insightful research on effective leadership as well as provide several tips on how you can better lead your team to safer, more productive results.

YOU WILL LEARN:

- About research studies that show just how impactful a leader's actions are to his or her team
- The top 20 characteristics of a "good boss"
- How leaders effectively motivate other
- How to hold your team accountable
- What employees respond most positively to

PRESENTER:

Phil Ragain | The RAD Group

THE SKILL OF CONCENTRATION: HOW LINeworkERS CAN IMPROVE THEIR FOCUS

DURATION: 1 HOUR | ▲ ● | 1 CUSP POINT

Improving your focus requires active, daily routines to develop the mental skill of concentration. This presentation emphasizes the core skills of self-awareness and self-regulation covered in the studies of emotional intelligence and neuroscience. Explore how to improve your focus and learn new techniques for navigating through the personal and external distractions workers face every day.

YOU WILL LEARN:

- How to define emotional quotient and emotional intelligence in line work
- To identify self-awareness skill-sets and competencies to improve your focus
- Identify personal intervention tools to improve your professional performance on the job
- Identify team intervention techniques you can use to increase the emotional quotient among crew members

PRESENTER:

Parrish Taylor | Taylor-Made Concepts, LLC

THE TOP 10 RISKS OF SOLAR FARM WORK: LESSONS LEARNED FROM THE FIELD

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Solar power has grown by nearly 30 percent across the globe in 2017 and is projected to continue growing. As it continues to grow in popularity, it's important to understand the unique risks of solar farm work and what you can do to be ready for them. Join Josh Schieffer as he highlights the top 10 solar farm risks that he and his crew experienced first hand in the field.

YOU WILL LEARN:

- Understand the unique solar safety challenges that exist
- Examine the different ways that hazard identification is accomplished
- Explore the necessary strategies for lone worker safety

PRESENTER:

Josh Schieffer | Duke Energy

THE TOP 20 CHARACTERISTICS OF A GOOD BOSS

DURATION: 10 MINUTES | ◆

What does it take to be a good boss? Phillip Ragain and the RAD Group surveyed more than 4,000 people to find out and the results are telling.

YOU WILL LEARN:

- The top 20 best characteristics of a good boss
- Why these characteristics matter
- Some insights about these characteristics
- The importance of motivating others

PRESENTER:

Phillip Ragain | The RAD Group

TRAFFIC CONTROL SAFETY FOR UTILITY WORK ZONES

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Did you know that more than one utility worker fatality happens each month as a result of a work zone traffic-related crash? That's why it's so important that workers know and understand how to properly control traffic. Danny Raines will go over some of the new MUTCD and provide you with a better understanding of the risks and safety strategies for making traffic work zones safer.

YOU WILL LEARN:

- How utility work zones differ from other work zones in traffic
- MUTCD guidelines on work zone duration differences
- The utility work zone risk factors
- How to prevent traffic-related incidents in work zones
- The importance of uniformity in traffic control strategy and devices

PRESENTER:

Danny Raines, CUSP | Raines Utility Safety Solutions

UNDERGROUND CABLE VAULTS: HOW TO AVOID COMMON HAZARDS

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Get a better understanding of a broad range of hazards and the recommended mitigation strategies to effectively and safely perform work in underground high-voltage electrical vaults. This session shows you how to integrate confined space concepts with practical methods of energy control inside vaults and interconnected spaces. You'll also learn how to perform step evaluation of hazards and how to implement proper controls within specific vault configurations.

YOU WILL LEARN:

- How to identify the associated hazards of working in energized

vaults

- Insight into known circuit failure modes and the critical interventions needed
- How you can catalog spaces for the purpose of grouped risk assessments
- How to develop functional rescue methods

PRESENTER:

Chris Grajek, CRSP, CUSP | Allteck Line Contractors Inc.

WHAT WE HAVE HERE IS A FAILURE IN LEADERSHIP...

DURATION: 1 HOUR | ●

Some companies have field managers they may rate as an "A," "B", or "C" player. But do those ratings align with each manager's ability to lead their teams to reduced at-risk behaviors? In this session, you'll learn to ignore the various levels of safety program noise that distract from the real goal of risk elimination.

YOU WILL LEARN:

- How to help managers see by being present and fighting distractions
- How to help managers hear by avoiding gossip and safety program noise
- How to help managers lead change by becoming knowledgeable about the risks and creating interdependent teams

PRESENTER:

Donald Weyhrauch, CUSP | Edison Power Constructors, Inc.

WHEN RULES AREN'T ENOUGH

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

There are many reasons why lineworkers don't follow the rules. Whether it's laziness, peer pressure or if they just don't believe they'll become a statistic, it is up to each individual to find out what is motivating them to work unsafely. In this session, utility safety expert Steve Hedden will explore the variety of reasons why workers work unsafely and offer ways you can get them to start following the rules.

YOU WILL LEARN:

- What motivates workers to work unsafely
- Why changing the rules after incidents can be a practice in futility
- How to fix improper work practices & change behaviors
- How to effectively assess lineworker performance

PRESENTER:

Steve Hedden, CUSP, CLCP | Safely Home Utility Training Services

WHY CRANES FAIL AND WHAT YOU CAN DO ABOUT IT

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Do you have questions about the proper operation of cranes? This session will provide the answers including why proper certifications and qualifications are vital to crane operation safety. Together, we will review load chart interpretation, crane operation principles and the meaning of subpart CC. Lastly, we will study various crane incidents and learn how these could have easily been averted.

YOU WILL LEARN:

- How to set up and properly operate cranes
- The differences between ASME B30.5 and ANSI A92.2
- Why you should utilize cranes to hoist personnel
- Why you should have an A/D director and lift director

PRESENTER:

Gary Tellish, CSP, CET, CUSP | Quanta Services, Inc.

WHY YOU NEED TO DEVELOP A CONTRACTOR SAFETY MANAGEMENT STANDARD

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Why consider developing a contractor safety management standard? If you hire contractors or subcontractors, the benefits of having a well-developed standard of this kind will become obvious during and after a serious unwanted event. Who is responsible for creating, exposing, correcting or controlling hazards affecting another employer's workers? This work practice has changed significantly throughout organizations that acknowledge the basic principle that employers share responsibility for working conditions—and thus for safety—at multiemployer worksites.

YOU WILL LEARN:

- The importance of developing safety standards for pre-qualification and contracts
- How to identify regulatory requirements for multiemployer worksites
- How to establish contractor and host employer safety oversight requirements
- About establishing key performance indicators and performance feedback and correction requirements

PRESENTER:

Pam Tompkins, CUSP, CSP, CUSA | SET Solutions, LLC

WINNING AT SAFETY: HOW YOUR PEOPLE MAKE THE DIFFERENCE

DURATION: 1 HOUR | ●

This dynamic keynote presentation from the 2015 iP Utility Safety Conference will provide you with insight into how to effectively motivate your team to “win” at the game of safety. Safety expert and successful football coach Mike Allen uses the parallels between the sport of football and utility teams to illustrate just how crucial it is to strive for a high-level of success when it comes to safety.

YOU WILL LEARN:

- How human error is not the real cause of nearly all incidents
- Why a culture of blame can ruin safety success
- Why your team must be built for safety agility
- Why context causes your team to justify unsafe work
- The effectiveness of informal safety conversations
- Why we should celebrate team members who question safety procedures

PRESENTER:

Mike Allen | The RAD Group

WOOD POLE TESTING: 3 STEPS THAT COULD SAVE YOUR LIFE

DURATION: 10 MINUTES | ◆

Many lineworkers think that rapping a hammer against a utility pole a couple of times is all that is needed to test a wood pole. As a result, every year workers are injured or killed when they pole they're working on collapses. This Quick Learning topic will detail OSHA's wood pole testing requirements (1910.269 App D, Subpart R)—as well as reveal how investing just a few minutes into properly inspecting and testing a wood utility pole can potentially save a utility worker's life. The video includes a downloadable PDF activity sheet that can be used during tailgate safety meetings.

YOU WILL LEARN:

- OSHA's 1910.269 App D, Subpart R requirements for testing and inspecting wood poles prior to working on them
- Three steps to testing and inspecting a wood pole, including:
 - Checking that the pole matches up to the work project
 - Performing a visual inspection
 - Testing the pole for hidden dangers
- The eight conditions to look for when visually inspecting a wood pole
- How to perform the hammer test, prod test and rocking tests

PRESENTER:

Created by our expert staff at iPi Online

ZERO BY DESIGN: WHY ACHIEVING WORLD-CLASS SAFETY IS NOT GOOD ENOUGH

DURATION: 1 HOUR | ▲ ● | **1 CUSP POINT**

Somewhere along the way, utilities abandoned the goal of zero incidents and adopted the goal of achieving world-class safety instead. However, the reality is that any total recordable incident rate above zero is unacceptable, no matter how world-class an organization's safety performance may be. This presentation will help you blaze a new trail to zero by providing proven strategies and thought-provoking ideas.

YOU WILL LEARN:

- How to challenge existing safety strategies
- Why the goal of zero is the only goal to have
- Strategies that will help you on your path to zero
- Suggested strategies that stimulate thought provoking ideas on how to blaze a trail on your journey to zero

PRESENTER:

Michael Jaurena, CSP, OHSG, CUSP | Safety Management Systems, LLC

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