



2022 RMEL SAFETY CONFERENCE

HOSTED WITH SRP
APRIL 19-20, 2022, TEMPE, ARIZONA



Conference Description

Safety is paramount in the power industry. It holds no boundaries, no rank. It is not a sometime thing. Safety must be at the forefront in everything we do. Everyone is responsible for safety. When it comes to safety, everyone's a leader.

Join us at SRP's PERA Club in Tempe, Arizona for the RMEL's 2022 Safety Conference! Presentations will dive into the challenges we face today and safety best practices. Interactive roundtable discussions mixed into the program provide the opportunity to learn from each other.

Keynote - Human Performance: Obedience, Compliance, or Conformity?

James Merlo, PhD, Vice President, Operational Excellence, KnowledgeVine



Human error is often cited as the main cause for up to 80% of all incidents and accidents in complex, high-risk systems that exist in the aviation, petrochemical, healthcare, construction, mining, and nuclear power industries. Many of the major events that occur are initially labeled as being caused by individual human error. When the causes of these human errors are broken down further, they reveal that the majority of the errors associated with events stem from latent

organizational weaknesses, which are not attributable to one individual.

People, even the very best people, will make mistakes. We have not fully understood an event if we do not see the human's actions as reasonable (when they are). Sound administrative and cultural controls can withstand human error. Events can be avoided through an understanding of the reasons mistakes occur and application of the lessons learned from past events and near misses.

In this presentation we will discuss human behavior and organizational culture and the difference between obedience, compliance, and conformity. We will explore ways to move our human capital's behavior to a more acceptable risk tolerance levels to not only reduce individual error but increase system resilience. We will also discuss novel approaches for the elimination of serious injuries and fatalities using past events for predictive analysis.

DATE, TIME, LOCATION

Tuesday, April 19, 2022
8:00 a.m. - 4:30 p.m.

Wednesday, April 20, 2022
8:00 a.m. - Noon

SRP's PERA Club
1 E Continental Dr,
Tempe, AZ 85281

Who Should Attend

Safety professionals, linemen, plant operators and all electric energy personnel from utilities of all types and services and supplier companies will be heard as we drill down to the best ways to lead our safety efforts.

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Preliminary Agenda

**Tuesday,
April 19, 2022**

7:30-8:00 a.m.
Networking Breakfast

8:00-8:30 a.m.
**Welcome and
Introductions**
Kevin Nielsen, SRP

8:30-9:15 a.m.
**Keynote – Human
Performance: Obedience,
Compliance, or
Conformity?**
*James Merlo, PhD, Vice
President, Operational
Excellence, KnowledgeVine*

9:15-9:30 a.m.
Networking Break

9:30-10:45 a.m.
**Updates to Current Codes
& Technologies For Large-
Scale Battery Storage
Systems – 4.0**
*Paul Hayes, FPE, General
Manager, American Fire
Technologies, A Division of
Hiller Companies*

This presentation will address changes in code requirements in the last year and since the previous conference, the advancements in battery storage technology over the past year. It will also lay out current approaches and changes to managing large-scale battery failures and fires. Because the industry continues to develop projectable data and codes that continue to grow and change, this presentation will draw from recent testing and real-life experiences with fire detection and suppression systems, including further updates on the explosion hazard.

Design and dedication toward solutions provide a better understanding of fire protection. Detection can sense one or more fire phenomena. Fire areas containing ESS systems within buildings or structures shall be provided with a smoke detection system per NFPA 72. The battery backup detection is a secondary power supply capable of 24 hours in standby and 2 hours in alarm. Sprinkler systems are the only approved suppressions, but under 50kWh, other standards are noted; however, technology is outpacing the codes. Most solutions so far don't fit or meet the requirements of these codes.

10:45-11:00 a.m.
Networking Break

11:00-11:45 a.m.
Luck is Not a Strategy
*David Sowers, Co-Owner/
CFO, KnowledgeVine LLC*
Risky behaviors plus a little bit of luck can still get good results. How much do we rely on luck to keep us safe? What can we do to eliminate the need for luck? In this session we will explore the role of luck in keeping us safe, encouraging risky behaviors, and giving us a false sense of comfort. We will also take a look at the big picture role of Human Performance in eliminating the need for luck and how we can know if we are lucky or good.

11:45 a.m. - 12:30 p.m.
Networking Lunch

12:30-1:30 p.m.
**Getting the Best Fit – 3M
EARfit Validation Testing
System**

*Beverly Figge, Safety &
Training Analyst II, Evergy*
How do you know if you are wearing your best possible hearing protection? There are a few different types of fit testing systems, but Evergy chose 3M, as they were a leader in the industry to this type of personalization. The 3M EARfit Dual Ear Validation Testing System uses F-MIRE (Field Microphone-In-Real-Ear) technology to generate a personal attenuation rating in under 5 seconds for both ears. This system measures how well 3M's most popular earplugs and earmuffs perform for each individual employee. Evergy uses this system to test and educate employees every three years. By using a fit testing system, Evergy has seen hearing shift cases drop dramatically since 2009.

1:30-2:15 p.m.
**Best-in-Class Contractor
Management**

*Duane Duhamel, Corporate
Health Director, Safety &
Environment, ISN Software
Corporation*
To help Hiring Organizations make informed decisions on their journey towards safety and risk management excellence, ISN surveyed decision makers from 203 Hiring Organizations across the globe. The survey collected insights on challenges, risks, priorities, best practices and general trends related to contractor risk management. The findings in this presentation build upon the previous ISN Contractor Management Strategy White Paper

released in 2017 and shed additional light into management practices around safety culture and serious injuries and fatalities. When looking at the future of outsourcing work, 41% of Hiring Organizations surveyed expect outsourcing of work to third parties to increase over the next 1-2 years, compared to only 6% that expect a decrease. These responses indicate that contractors and suppliers play a pivotal role in the business ecosystem. Third-party contractors help Hiring Organizations streamline operations, optimize cost structure and sharpen focus on core competencies. Outsourcing work to third parties can also come with additional exposure to risk. Almost 80% of surveyed Hiring Organizations believe their ability to manage contractor risk has increased over the past 1-2 years. Workplaces in capital intensive-industries can be particularly complex, especially where multiple contractor, subcontractor and Hiring Organization employees are constantly interacting in high risk, dynamic work environments. Hiring Organizations are challenged to accomplish their organizational objectives despite internal and external constraints. While the EHS group primarily drives contractor management processes in two out of three organizations, only 15% of Hiring Organizations have an established guideline for the ratio of on-site EHS resources needed for the number of contractor employees on work sites.

2:15-2:30 p.m.
Networking Break

**Speakers and topics are subject to change.*

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2:30-3:15 p.m.

Embarking on the VPP Journey

Ivan Insua, Director - Hydro Generation, SRP

"Embarking on the VPP Journey" covers the first-hand observations, activities, and takeaways of an organization preparing, applying, and living as an OSHA Voluntary Protection Program designated Star site. The discussion first explores tenets of the OSHA program and the expected benefits to organization taking part, followed by the application process and potential preparations, and finally the ongoing activities which support and maintain a site's VPP Star status. The discussion should enable participants to consider how VPP might be valued-added for their sites and provide resources for additional research.

3:15-4:15 p.m.

Roundtable

4:15-4:30 p.m.

Day 1 Wrap Up Discussion

4:30

Networking Reception

SRP's PERA Club

Wednesday, April 20, 2022

7:30-8:00 a.m.

Networking Breakfast

8:00-8:30 a.m.

Roundtable and Recap Discussion

8:30-9:00 a.m.

Keeping Safety Close - Site Safety Representative

Alex Oshiro, OS / Site Safety Representative, SRP

A look at what the advantages have been by having a non-management site representative. How being an hourly site contact and resource for safety and other aspects of what it takes to maintain our safety culture and VPP programs. The presentation will provide an overview of the job duties and what an average day/week looks like. How this has maintained and improved our safety culture as well as the overall health of the plant employee engagement.

9:00-10:00 a.m.

Introduction to Psychological Safety

Reno Jameson, Senior Safety Technical Specialist, Omaha Public Power District

Psychological safety is the principle that where we allow people to feel safe in the workplace and allow them to contribute their ideas and concerns, we are considerably more likely to develop a culture of knowledge and innovation. This training will provide participants with an insight into a topic that has been identified as a crucial element in developing high performing teams. It is designed to explore the concept of psychological safety and establish how learners can help develop a culture that exhibits psychological safety traits, giving participants the skills to minimize errors and unleash the talent within our organization.

10:00-10:15 a.m.

Networking Break

10:15-11:30 a.m.

Talk Saves Lives

Cori Reese, Arizona & New Mexico Area Director, American Foundation for Suicide Prevention

Talk Saves Lives is AFSP's standardized education program that provides participants with a clear understanding of this leading cause of death, including the most up-to-date research on suicide prevention, and what they can do in their communities to save lives. Participants will learn common risk factors and warning signs associated with suicide, and how to keep themselves and others safe.

Topics covered include:

- **Scope of the Problem:** The latest data on suicide in the U.S. and worldwide
- **Research:** Information from research on what causes people to consider suicide, as well as health, historical, and environmental factors that put individuals at risk
- **Prevention:** An understanding of the protective factors that lower suicide risk, and strategies for managing mental health and being proactive about self-care
- **What You Can Do:** Guidance on warning signs and behaviors to look for, and how to get help for someone in a suicidal crisis

Thank You RMEL Safety Committee

CHAIR

Bradley Palu

Nebraska Public Power District
Safety/HP Lead

Jeff Allen

Tri-State Generation and Transmission Assn.
Training & Development Manager

Matt Bleckert

Colorado Springs Utilities
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Jenifer Grimes

SRP
O&M Manager

Chuck Hendry

Austin Energy
Occupational Health & Safety Coordinator

Mike Hermesen

Eergy
Lead Safety Coordinator, Power Delivery

Brian Moore

Platte River Power Authority
Occupational Health & Safety Specialist

The RMEL Safety Committee plans all RMEL Safety events. If you have topics you'd like to share, please email info@rmel.org or call (303) 865-5544.



Education and networking for the electric energy industry.

6855 S. Havana St, Ste 430 - Centennial, CO 80112 www.RMEL.org

SAFETY CONFERENCE

Your Personal Member ID#: _____ Name: _____

No Member ID? No Problem. Please provide the following instead:

First Name: _____ Last Name: _____

Title: _____

Company Name: _____

Company Address: _____

City: _____

State: _____ Zip: _____

Phone: _____

Fax: _____

Email: _____

HOW TO REGISTER

ONLINE Register at www.RMEL.org

PHONE Call RMEL at (303) 865-5544

FAX your form to (303) 865-5548

MAIL Send form and payment to RMEL

RMEL Safety Conference - April 19-20, 2022

Registration Includes: Breakfast, breaks, lunch, training, course materials, attendee roster and, upon course completion, a continuing education certificate.

- Member full conference\$495
- **Student Member full conference.....\$197
- Non-RMEL member full conference meeting.....\$695

TOTAL

Payment

- Check (RMEL; 6855 S. Havana St, Ste 430; Centennial, CO 80112)
- Visa Master Card or American Express

Card#: _____ Exp. Date: _____

Signature: _____

**** To receive the student rate, you must be a full-time student at an RMEL member university. All student registrations must be faxed or called in, and a copy of your student ID and full-time class schedule are required.**

Cancellation Policy: Fees are refundable if cancellation is received on or before 5 p.m. on **April 9, 2022**. If cancellation is received after that date, half of the registration fee will be refunded. Payments will be processed for those who do not attend or do not cancel by 5 p.m. the day before the event. To have someone take your place, please notify RMEL anytime before the event.