



WESTERN UNDERGROUND
COMMITTEE

WATER | ENERGY | LIFE

Conference Hosted by:



Platinum Sponsor & Welcome Reception Host:



Learning Session Sponsors:



Technical Tour Host and Transportation Sponsor:  **Oldcastle** Infrastructure™
A CRH COMPANY

Welcome Reception, March 12, 2024

Conference, March 13 – 15, 2024

Host Hotel, The Mission Inn Hotel & Spa
3649 Mission Inn Avenue, Riverside, CA

<https://www.missioninn.com/>

See Information on PAGE 6 for Manufacturer Expo shipping requirements.

All conference sessions to be held at the host hotel

www.westernunderground.org



WESTERN UNDERGROUND COMMITTEE
 GENERAL CONFERENCE INFORMATION
 March 12-15, 2024



CONFERENCE EVENTS:

Tuesday Activities:

2:30pm – 4:30pm Executive Board Meeting
 5:00pm – 7:00pm Welcome & Networking Reception
Hosted by TOTAL SAFETY SUPPLIES & SOLUTIONS

Wednesday Activities:

7:00am – 7:30am Registration
 7:30am – 8:30am Breakfast Learning Session **Hosted by ONESOURCE SUPPLY SOLUTIONS, Utility Members ONLY**
 8:30am – 9:15am General Opening Session
 9:15am – 10:15am Platinum Sponsor, **TOTAL SAFETY SUPPLIES & SOLUTIONS**
 10:15am – 10:30am BREAK
 10:30am – 11:30am Safety Subcommittee
 11:30pm – 12:30pm Lunch Learning Session **Hosted by SOUTHWIRE, Utility Members ONLY**
 12:30pm – 12:45pm BREAK
 12:45pm – 1:30pm General Session
 1:30pm – 2:00pm Mutual Problems Session, Closed Door, **Utility Members ONLY**
 2:00pm – 2:15pm BREAK
 2:15pm – 4:00pm Subcommittee Breakout Sessions
 5:00pm – 8:00pm Manufacturers Showcase Expo *(See Page#6 for Shipping Info.)*

Thursday Activities:

7:30am – 8:00am Registration
 8:00am – 9:00am Breakfast Learning Session **Hosted by DAUPLER Utility Members only**
 9:00am – 9:45am General Session
 9:45am – 10:00am BREAK
 10:00am – 10:30am General Session
 10:30am – 12:00pm Mutual Problems Session, Closed Door, **Utility Members ONLY**
 12:00pm – 1:00pm Lunch Learning Session **Hosted by UBICQUIA**
 1:15pm – 4:30pm Technical Tour at **OLD CASTLE INFRASTRUCTURE**
 5:30pm – 8:30pm WUC Fellowship Dinner, The Mission Inn Hotel & Spa

Friday Activities:

8:00am – 9:00am Breakfast Network Session **Hosted by WUC Utility Members ONLY**
 9:00am – 9:00am Moment of Silence for Fallen Comrades
 9:00am – 9:15am WUC Executive Board – Treasurer Report and Bylaws
 9:15am – 10:15am General Session
 10:15am – 10:30am BREAK
 10:30am – 11:30am General Session
 11:30am Conference and Meeting Adjourn

LOCATION

Glenwood Tavern
 Chapel/Galleria Atrium

 Ramona Court
 Grand Parisian Ballroom
 Grand Parisian Ballroom
 Grand Parisian Ballroom

 Grand Parisian Ballroom
 Spanish Art Gallery

 Spanish Art Gallery
 Spanish Art Gallery

 Various
 Grand Parisian Ballroom & Glenwood Tavern

Ramona Court
 Grand Parisian Ballroom

 Grand Parisian Ballroom

 Grand Parisian Ballroom
 Grand Parisian Ballroom
 Galeria Room

 Grand Parisian Ballroom

Grand Parisian Ballroom
 Grand Parisian Ballroom
 Grand Parisian Ballroom
 Grand Parisian Ballroom

 Grand Parisian Ballroom



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Welcome Reception

The Mission Inn Hotel & Spa
3649 Mission Inn Avenue, Riverside CA
St. Francis Chapel / Galleria Atrium



Location of Conference Rooms

GROUND FLOOR

Ramona Court

Outside the Grand Parisian Ballroom

Grand Parisian Ballroom

Go to the right of the staircase, through the archway and down the stairs.
The ballroom will be straight ahead.

Spanish Art Gallery

Go through the glass blue doors on the left side of the Front Desk. Walk across the Spanish Patio and the entrance is straight ahead.

Fitness Center/Suite 8

Exit hotel at Orange Street (near Pres. Lounge) entrance and make an immediate Right. Continue to the third door on building and make a Right. Look for Fitness Center Sign.

FIRST FLOOR

Ho-O-Kan Room

Take the elevator to the first floor, go right and make an immediate right down the hallway. Step outside and follow the path. Go through the hallway on the left (Hall of the Gods). Entry door is on the right.

Galleria Room

Take the elevator to the first floor, go right and make an immediate right down the hallway. Go outside and follow the path to the St. Francis Atrio. The entrance is the second door to the right of the Chapel.

INTERNET CODE FOR MEETING ROOMS & LOBBY AREA

WIFI Name: MissionInn-Meetings

Password: WUC2024



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Tuesday, March 12

- 2:30pm – 4:30pm: **Executive Board Meeting**
- 5:00pm – 7:00pm: **Welcome & Networking Reception**
 - Hosted by Platinum Sponsor **TOTAL SAFETY SUPPLIES & SOLUTIONS**
 - Website: <https://www.totalsafety.com/>

**Glenwood Tavern
Chapel/Galleria Atrium**

Wednesday, March 13

- 7:00am – 7:30am: **Registration**
- 7:30am – 8:30am: **Breakfast Learning Session for Utility Members ONLY**
 - **Hosted by ONESOURCE**
 - **Presentation: Supply Chain Challenges and Distributor Value for Utilities**
 - Presenter: Lora Jones, President and CEO, Steve Coleman, VP of Supply Chain
Joe Burnett, Regional Sales Manager
 - Description: OSS introduction, value-added services, Utility Flow Model overview.
 - Website: www.my-oss.com
- 8:30am – 9:15am: **General Opening Session**
 - Eileen Dickerson, Tucson Electric Power
 - Past Chairperson
 - Adolfo Maldonado, WUC 2024 Treasurer
(Secretary & Vice Chairperson, Chairperson positions are vacant)
 - Welcome Remarks and Recognition of Board Members
 - Member Self Introductions and Years of Service
 - City of Riverside Public Utilities (15mins.)
 - Host Utility Welcome
- 9:15am – 10:15am: **Platinum Sponsor, TOTAL SAFETY SUPPLIES & SOLUTIONS**
 - **Presentation: Introduction to Total Safety Supplies & Solutions**
 - Presenter: Tim Rosser, Vice President, Business Development - Utilities
 - Description: An in depth look at the breadth of what all we do from Distributor of thousands of products and materials to our repair labs and PET lab services as well as customized programs.
 - Website: <https://www.totalsafety.com/>
- 10:15am – 10:30am: **BREAK**
- 10:30am – 11:30am: **Safety Subcommittee**
 - Safety Chairperson: VACANT, please contact WUC Board if interested in this position.
 - **Presentation: Grounding Safety Practices and IEEE Standard Requirements**
 - Presenter: nVent ERICO, To Be Announced
 - Description: Coming Soon
 - Website: www.nvent.com/en-us/erico

**Ramona Court
Grand Parisian Ballroom**

Grand Parisian Ballroom

Grand Parisian Ballroom

Grand Parisian Ballroom



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- 11:30pm – 12:30pm: **Lunch Learning Session for *Utility Members ONLY*** **Spanish Art Gallery**
 - **Hosted by SOUTHWIRE**
 - **Presentation: Holistic Approach for Grid Resilience with an Aging Underground Infrastructure**
 - Presenter: James Steele, Director of Engineering & Wayne Chatterton Ph.D, Technical Director
 - Description: Today, the US electric utility industry is faced with a growing dichotomy between the need to improve grid resilience while dealing with ever aging infrastructure that is often being operated beyond its intended life. A comprehensive turnkey Capital Program is proposed that combines elements of digital assessments, field assessments, cable rejuvenation, and selective cable replacement in a manner that yields the greatest system reliability impact for a given capital budget without being subject to the industry's supply chain crisis.
Website: www.southwire.com
- 12:30pm – 12:45pm: **BREAK**
- 12:45pm – 1:30pm: **General Session** **Spanish Art Gallery**
 - **Presentation: Wildfire Mitigation Plan**
 - Presenter: Rene Valdez, Senior Electrical Engineer, Riverside Public Utilities
 - Description: Riverside Public Utilities Wildfire Mitigation Plan (WMP) is a structured protocol to mitigate the risk of RPU's electric utility infrastructure causing a wildfire. Included are the steps, programs, policies, and procedures implemented by RPU to reduce these risks and minimize impacts to customers.
- 1:30pm - 2:00pm: **Mutual Problems**, Closed Door session *Utility Members ONLY*. **Spanish Art Gallery**
Questions shall be reviewed in order received.
Please email, Jun Golo: jgolo2@idahopower.com
- 2:00pm – 2:15pm: **BREAK**

SUBCOMMITTEE BREAK-OUT MEETINGS

- 2:15pm – 4:00pm: **Subcommittee Breakout Meetings (*Afternoon refreshments will be served*)**
 - **Subcommittee 1 – Operations** **Spanish Art Gallery**
Chairperson: Harry Nelson, Lineman Foreman, Imperial Irrigation District
 - **Presentation 1: Primary Fault Locating**
 - Presenter: Chris Stathopoulos, Regional Sales Manager, The VON Corporation
 - Description: Presentation will cover the following topics;
 - Underground cable construction, cable insulations, termination construction and types.
 - Introduction to cable testing.
 - Fault location theory and procedures-thumping, radar, arc reflection and earth gradient. Fault location case histories.
 - Sectionalizing using arc reflection method.
 - Website: <https://voncorp.com/>



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- **Presentation 1: One SCADA Concept**
 - Presenter: Trace Spacone, Electric Operations Superintendent & Adrian Kazigo, Associate Electrical Engineer, Riverside Public Utilities
 - Description: An in-depth discussion detailing RPU’s “One SCADA” philosophy, focusing on our combination of electric and water resources for the purpose of improving operational efficiencies across all SCADA-related applications and networks.

- **Subcommittee 2&3 – Engineering & Substructures** **Ho-O-Kan Room**
Chairperson: Steve Robles, Senior Electrical Engineering Technician, Riverside Public Utilities
 - **Presentation 1: RPU’s Management of Distribution Transformer Availability (45mins.)**
 - Presenter: Jose R. Solano, Senior Engineer, T&D Standards, City of Riverside Public Utilities
 - Description: As a small municipality, RPU has had several challenges procuring transformers during extended lead times even with annual contracts. Included are RPU’s obstacles, both internal and external, in being able to procure distribution transformers from foreign manufacturers to meet customer’s needs.
 - **Presentation 2: Substation P&C Design using SDS/ACAD, Substation Physical Design using SDS/Inventor**
 - Presenters: Peter Mossel, Engineering Technician, Substation Engineering, and Nathan Aguilera, Associate Electrical Engineer, City of Riverside Public Utilities (RPU)
 - Description: The Riverside Public Utilities Substation Group is transitioning to Intelligent Design/Modeling using Substation Design Suite (SDS) with ACADE and Inventor. Highlighting the challenges of implementation and the long-term benefits of switching from basic CAD design to Intelligent CAD design.

- **Subcommittee 5 – Planning** **Galleria Room**
Chairperson: Alan Kasanow, Senior Engineer, Standards, Southern California Edison
 - **Wildfire Mitigation Forum:**
 - Presenters: Riverside Public Utilities (RPU), Arizona Public Service (APS), Idaho Power, Additional Participants TO BE ANNOUNCED
 - Description: This discussion will provide high-level wildfire mitigation program information from member utilities. Each presentation will be 10 minutes with time for questions and roundtable discussion.

• 5:00pm – 8:00pm: **Manufacturer Showcase Expo, Mission Inn, Grand Parisian Ballroom/Glenwood Tavern**

Shipping Information:

The Mission Inn Hotel & Spa
 Hold for Arrival: Western Underground / Tiffany
 McAvoy
 3649 Mission Inn Avenue, Riverside, CA 92501 USA

Include the following information on package:

Name, Company, Address & Phone # of Sender
 Total Number of Boxes (1 of 2, etc.)
 Shipment cannot arrive prior to 3/11/2024.

Contact hotel for cost associated with receiving and storage of boxes. Special arrangements are required if shipping five or more packages or if a single box exceeds 100lbs.



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 MANUFACTURER EXPO
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LEARNING SESSION SPONSOR



VENDORS





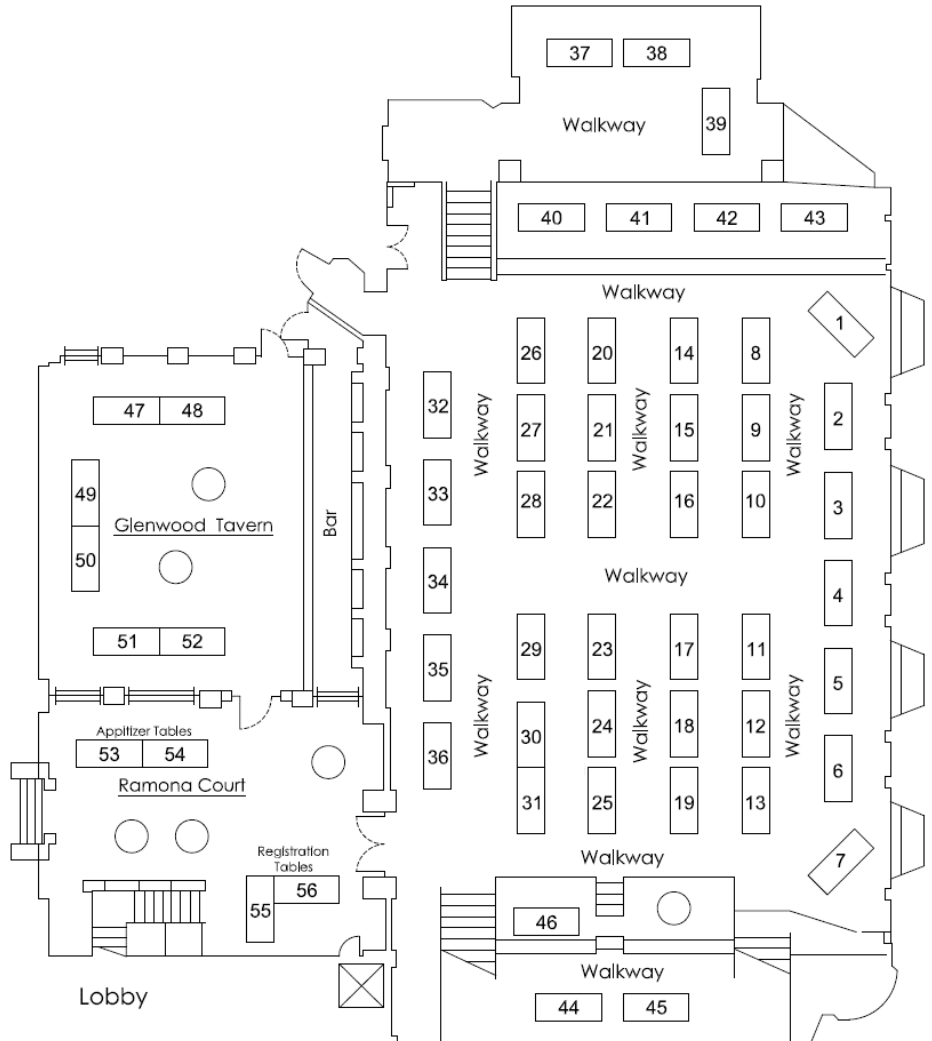
WESTERN UNDERGROUND COMMITTEE
MANUFACTURER EXPO
March 13, 2024



Booth Assignments & Event Floorplan

NOTE: Table assignments may be adjusted until event time at the discretion of the WUC Executive Board.

Booth #	Occupant
1	Howard Lighting
2	ATKORE
3	Southwire
4	Ubicquia
5	Burlington Safety Laboratory Inc
6	Huskie Tools
7	McAvoy & Markham
8	Estex Manufacturing
9	Young & Company
10	Almetek Industries inc.
11	Roxtec USA
12	Okonite
13	The VON Corporation
14	ABB
15	Doble Engineering
16	American Polywater Corp
17	LineWise
18	Federal Pacific
19	Jensen Precast
20	TE Connectivity
21	MSI-Mid State Instruments, LLC
22	CME Wire and Cable
23	West Coast Utility Solutions
24	West Coast Utility Solutions / Buckingham
25	Kaddas
26	Evluma
27	EJ
28	G&W Electric
29	Energy Products Unlimited
30	Total Safety Supplies & Solutions
31	Total Safety Supplies & Solutions
32	Richards Manufacturing
33	Bashlin Industries
34	OneSource Supply Solutions
35	Oldcastle Precast / InWesco
36	Daupler
37	nVent ERICO
38	Pacific Utilities
39	3M
40	Utility Solutions, Inc
41	Pinnacle Pole / Effective Safety Products
42	Preferred Sales
43	Mader Supply
44	Eaton
45	Scott Manufacturing
46	Matzinger-Keegan inc
47	New Basis
48	Pacific Power Reps
49	Classic Connectors
50	LWS Inc
51	Jelco
52	CamTran
53	Appetizer / Food
54	Appetizer / Food
55	WUC Board Registration & Raffle
56	WUC Board Registration & Raffle





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Thursday, March 14

- 7:30am – 8:00am: **Registration** **Ramona Court**
- 8:00am – 9:00am: **Breakfast Learning Session for Utility Members ONLY** **Grand Parisian Ballroom**
 - **Hosted by DAUPLER**
 - **Presentation: Using Customer Insights and AI for Informed Outage Response**
 - Presenter: Samatha Poole & Tim Hear, VP of Sales
 - Description: Ever responded to a reported emergency only to find out it wasn't an emergency after all? Discover how technology is transforming how outages are assessed, enabling teams to identify real emergencies remotely, focus their finite resources and reduce unnecessary dispatches. Ideal for field operations and dispatchers, this session reveals strategies that save time and reduce direct cost.
 - Website: www.daupler.com
- 9:00am – 9:45am: **General Session** **Grand Parisian Ballroom**
 - **Presentation: The Power of Pi**
 - Presenter: Jennifer Tavaglione, Principal Project Manager, Technology Integration, Riverside Public Utilities
 - Description: This presentation will showcase how Riverside Public Utilities leverages the Aveva Pi software to efficiently manage and visualize operational data, and give an overview of the return on investment and benefits derived from the implementation of this tool.
- 9:45am – 10:00am: **BREAK**
- 10:00am – 10:30am: **General Session** **Grand Parisian Ballroom**
 - **Presentation: Prioritizing Worst Performing Circuits**
 - Presenter: Lilliana Cuevas, Senior Electrical Engineer, Riverside Public Utilities
 - Description: System Planning analyzes outage causes, trends, and reliability to identify projects that will bring the reliability of the worst performing circuits into compliance. Compliance requires that no individual circuit exceeds the targets for more than two years. For circuits that exceed these targets for two consecutive years, System Planning will issue a remedial action plan with a proposed completion target of eighteen months.
- 10:30am – 12:00pm **Mutual Problems, Closed Door session Utility Members ONLY.** **Grand Parisian Ballroom**

Questions shall be reviewed in order received.
Please email, Jun Golo: jgolo2@idahopower.com
- 12:00pm – 1:00pm: **Lunch Learning Session for Utility Members ONLY** **Galleria Room**
 - **Hosted by UBICQUIA INC.**
 - **Presentation: Managing Grid Resiliency from 'Feeder to the Meter' through Real-Time Distribution Transformer Analytics**
 - Presenter: Charlie Nobles, VP of Business Development, Smart Grid
 - Description: By monitoring distribution transformers in real-time, utilities can get visibility into the true condition of their circuits and assets between the substation and the meter. Additionally, monitoring the load side of the transformer provides clarity into 'behind the meter' loads such as DERS and EV, which can also



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challenge grid resiliency. This session will offer a cost-effective, scalable solution for retrofitting onto distribution transformers and leveraging the existing LTE communications networks to provide this grid visibility.

- Website: www.ubicquia.com/

1:15pm – 4:30pm: Technical Tour,  **Oldcastle Infrastructure**TM
A CRH COMPANY
<https://oldcastleinfrastructure.com/>

Technical Tour Schedule of Events

- 1:00pm Bus Arrives at Mission Inn for Boarding
- 1:15pm Depart for Oldcastle Infrastructure
- 1:45-2:00pm Tour Start
- 3:45pm Depart Oldcastle Infrastructure
- 4:30pm Arrive at Mission Inn

WUC FELLOWSHIP DINNER
DON'T MISS OUT ON THIS MAGICAL EVENING OF NETWORKING AND FUN!
Thursday Evening, March 14, 5:30pm – 8:30pm
 The Mission Inn Resort & Spa in the Grand Parisian Ballroom



Entertainment for the evening will feature the Magic of Brady Glen including Strolling Magic and his Magic Castle set.
[About-Brady-Orange County Magician | The Magic of Brady Glen \(magicbrady.com\)](http://About-Brady-Orange County Magician | The Magic of Brady Glen (magicbrady.com))



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Friday, March 15

- 8:00am – 9:00am: **Breakfast Network Session, Utility Members ONLY** **Grand Parisian Ballroom**
 - **Hosted by WUC**
- 9:00am – 9:00am: **Moment of Silence for Fallen Comrades**
- 9:00am – 9:15am: **WUC Executive Board - Treasurer Report and Bylaw Discussion**
- 9:15am – 10:15am: **General Session** **Grand Parisian Ballroom**
 - **Presentation: Citywide LED Conversion**
 - Presenter: Gary Hironimus, Utilities Supervising Engineering Technician, Celina Maravilla, Senior Engineering Technician, Rociel Paul, Engineering Technician, Riverside Public Utility
 - Description: Discussion of the Citywide LED Street Light Conversion to include, but not limited to, the history and process of the conversion including the benefits, hurdles, and long-term cost savings of the conversion.
- 10:15am – 10:30am: **BREAK**
- 10:30am – 11:30am **General Session** **Grand Parisian Ballroom**
 - **Presentation: California Climate Policy and Electric Utilities**
 - Presenter: Tracy Sato, Power Resources Manager, Sustainability and Energy Solutions, Riverside Public Utilities
 - Description: A brief review of California Climate Policy and its direct and indirect impacts on electric utilities – from direct requirements placed on equipment and energy resources to indirect impacts from rules requiring vehicle electrification and building codes that impact how and how much electricity our customers use. These new policies, regulations and laws are reaching beyond specifying equipment requirements to impacts how our customers are using electricity and how they are impacting rates, business systems and our infrastructure.
- 11:30am: **Conference and Meeting Adjourn**

**Utility hosts are always needed for future conference planning.
If you are interested in details, please see a member of the WUC Executive Board.
Hosting is a way to showcase the great work being done by your utility.**