

GENERATION 2024



Renewables Conference

Wednesday, November 13, 2024
8:00 a.m. – 4:30 p.m. CST

Energys, One Kansas City Place
1200 Main St
Kansas City, MO 64105

Description

Renewable Energy sources play a crucial role in sustainable and decarbonized power generation. Join us for an engaging conference to gain insights on issues and trends that are relevant throughout the industry. This event will feature discussions and presentations on the latest environmental regulatory trends, technology developments, and real projects. Key topics include:

- **Environmental Stewardship Panel:** Interactive panel will discuss current regulations and utility strategies to provide sustainable power generation.
- **Current Renewable Energy Projects:** Gain practical insights to renewables implementation from current wind, solar and hydrogen projects.
- **Flow Batteries:** Discover the role flow battery technology can play in enhancing energy resilience and sustainability at military installations.
- **SPP/RTO Perspectives:** Southwest Power Pool will provide a Regional Transmission Organization's perspective on the integration of large-scale renewables.

This conference will provide a valuable opportunity for networking and collaboration among professionals dedicated to advancing renewable energy solutions. Don't miss out on the chance to be part of this transformative conversation!

Who Should Attend

This conference is ideal for engineers and professionals in renewable energy development, environmental and regulatory roles, utility leadership, energy storage, and grid integration. Especially those with an interest in sustainable practices, technology advancements, and renewable project insights. Individuals with other backgrounds are also welcome to learn about the issues in this section.

Professional Development Hours

All attendees will receive a continuing education certificate worth 6.0 Professional Development Hours (PDHs) by Alltricity Network, upon completion of the course. Depending on the certifying body you are affiliated with, Alltricity Network PDHs may be applied towards your recertification credit. Use the event brochure and agenda to determine how the content applies to your certification. The attendee is also responsible for verifying how the quantity of Alltricity Network PDHs convert to your certifying body credits. Typically 1.0 PDH is equal to .1 CEU, but you should always verify the conversion scale.

Conference Pricing

Registration includes: Breakfast, breaks, lunch, handouts, attendee roster and, upon course completion, a continuing education certificate.

Member price	\$445
Non-member price	\$745

Register Now!

ONLINE: Register at AlltricityNetwork.org

PHONE: Call Alltricity Network at (303) 865-5544

Cancellation Policy: Fees are refundable if cancellation is received on or before 5 p.m. MST on November 3, 2024. 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. MST the day before the event. To have someone take your place, please notify Alltricity Network anytime before the event.

Conference Agenda

**Tuesday,
November 12, 2024**

5:30-7:30 p.m.

Pre-Conference Networking Social
Yard House - Power & Light District
1300 Main St. | Kansas City, MO 64105

Join conference attendees for a Networking Social at the Yard House in Kansas City's Power & Light district from 5:30-7:30 p.m. CST on Tuesday, November 12 (the evening before the one-day conference). If you've arrived the night before the conference, or you're local to the Kansas City area, this is a great opportunity to connect with fellow attendees, speakers, and conference organizers for fun and to start the conversation over appetizers and a round of drinks.

Sponsored by:  **BLACK & VEATCH**

**Wednesday,
November 13, 2024**

7:30-8:00 a.m.

Arrival & Breakfast Available

8:00-8:15 a.m.

Welcome to Evergy
Peter Rogge, Senior Manager - Generation Engineering, Evergy

8:15-9:00 a.m.

Introductions & Engagement Exercise

Facilitated by the **Generation Committee**

9:00-10:00 a.m.

PANEL: Environmental Stewardship
Ajay Kasarabada, Associate Vice President - Environmental Solutions, Black & Veatch

Brent Ross, Vice President - Power Production Services, Associated Electric Cooperative, Inc.

Daniel Wilkus, Director - Environmental Services, Evergy

Moderator: Curt Brown, Vice President, Power Providers - Advanced Power Generation & Renewables Services, Black & Veatch

Panelists will discuss the latest environmental regulations affecting the energy sector and innovative utility strategies for achieving sustainable power generation. Panelists will examine compliance

with emerging policies, explore practical approaches to reduce emissions, and address challenges in balancing regulatory demands with operational needs. Additionally, they will highlight real-world examples of utilities implementing environmental stewardship initiatives, such as integrating renewable resources and promoting responsible resource management.

10:00-10:15 a.m.

Networking Break

10:15-11:00 a.m.

Green Hydrogen: Opportunities, Challenges & Real Experiences
Laura Bergedieck, Senior Vice President Hydrogen Development

This session offers insights from RWE, the third largest renewables provider in the United States, into promising opportunities for electrolytic hydrogen production, the challenges encountered along the way, and practical lessons learned when RWE Clean Energy commissioned its first pilot plant in Germany in August 2024.

11:00 a.m.-11:45 a.m.

Lockheed Martin's GridStar Flow® Energy Storage System
Mark Wanamaker, Business Development, Lockheed Martin Energy Storage

This presentation will provide background on Lockheed Martin Corporation's experience in energy, overview of the GridStar Flow energy storage system and its technology, capabilities, differentiation from other long-duration energy storage technologies and our projects, including the role flow battery technology can play in enhancing energy resilience and sustainability at military installations.

11:45 a.m.-12:45 p.m.

Networking Lunch

12:45-1:30 p.m.

Regional Transmission Organization Generational Challenges
Casey Cathey, Vice President - Engineering, Southwest Power Pool

This presentation will give an overview of the state of the grid, Generation Interconnection, Resource Adequacy, and Transmission Planning activities. The presentation shall include burning topics in the industry, such as how to interconnect large loads while navigating needed capacity for extreme conditions.

1:30-2:15 p.m.

Renewables Insurance Update
Dain Jorgenson, Senior Vice President - Producer Energy Practice, McGriff

This session provides a look into current trends and challenges in renewables insurance, including a review of the key types of losses and claims impacting the renewable energy sector over the past three years, offering insights into the most common risks and their implications. We'll explore engineering best practices that have proven effective in reducing these risks, giving operators and engineers actionable strategies. Additionally, we'll examine critical contract and coverage issues that often arise between project owners and EPC contractors, discussing ways to navigate and mitigate potential disputes.

2:15-2:30 p.m.

Networking Break

2:30-3:15 p.m.

NERC Compliance for New Renewable Projects
Rachael Williams, Senior Consultant - NERC Compliance, ENTRUST Solutions

This presentation aims to give attendees a firsthand look at the NERC compliance challenges utilities encounter when commissioning renewable energy sites. It will cover currently enforceable NERC standards, upcoming standards specific to renewable sites, and the compliance requirements for these standards. Additionally, the roles and responsibilities of Generator Owners (GOs) and Generator Operators (GOPs) will be outlined. The presentation will share lessons learned regarding technology, protection systems, and models from sites currently in operation.

3:15-4:30 p.m.

Roundtable Discussion
Facilitated by the **Generation Committee**

Roundtables offer a unique forum for peer-to-peer sharing of experiences, critical issues and expertise and provide each attendee the opportunity for participation and dialogue on their particular issue.

Bring roundtable topics for discussion and/or send topics ahead of time to ccole@alltricitynetwork.org.

4:30 p.m.

Adjourn

Thank You, Alltricity Network Generation Committee!

CHAIR

Curt Brown

*Vice President, Power Providers - Advanced Power Generation & Renewables Services,
Black & Veatch*

VICE CHAIR

Jeff Parker

*Engineering Manager,
Salt River Project*

Nathan Ames

*Operations Manager,
Associated Electric Cooperative, Inc.*

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*Generation Engineering Manager,
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Tom Reid

*Vice President - Power Generation,
ENTRUST Solutions*

Rick Urrutia

*Senior Director - Supply Chain,
CPS Energy*

The **Alltricity Network Generation Committee** plans all Alltricity Network Transmission events. If you'd like to send information to the committee, please email Ciara Cole at ccole@alltricitynetwork.org.