

May 16-17, 2023

CEATI 

# Strategy & Innovation Conference



## Event Overview

Introducing the **Strategy and Innovation Conference**! Building off the success of our annual Asset Management Conference, this expanded event will take place in **Chicago, IL on May 16-17, 2023**, and will feature the same great content we've been providing to asset managers and investment planners and will also include other critical areas of strategic importance for today's power industry professionals. With dedicated tracks for safety and security, and innovation, this event will provide a forum for thought leaders to share and learn about the newest innovations, latest technological advancements, and the future of the power grid.

## The Week at a Glance

May 15 - 19, 2023 • Chicago, IL



	Morning Break	Lunch	Afternoon Break	
<b>MONDAY</b> <b>15</b>	Distribution Operations & Automation General Meeting			Welcome Reception
	Asset Management in T&D General Meeting			
	Infrastructure Protection & Security General Meeting			
	Thermal Generation General Meeting			
<b>TUESDAY</b> <b>16</b>	Strategy & Innovation Conference			Exhibitor Reception
<b>WEDNESDAY</b> <b>17</b>	Strategy & Innovation Conference			Women in Power Reception
<b>THURSDAY</b> <b>18</b>	Asset Management in Generation General Meeting			
	Health & Safety General Meeting			
	Energy & Integration Strategy General Meeting			
	Demand Side Energy Management General Meeting			
<b>FRIDAY</b> <b>19</b>				

Note: The general meetings on Monday and Thursday are only available to CEATI member utilities.

## Who Should Attend?

- Electric Utilities
- Consultants
- Equipment Vendors
- Research Facilities and Laboratories
- Academics



# This event is supported by the following member utilities:

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Algonquin Power and Utilities	Hydro Tasmania	Snohomish County P.U.D. #1
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Arizona Public Service Company	Independent Electricity System	Southern Company
Arkansas Electric Cooperative	Operator	Tacoma Power
Corporation	Landsvirkjun	Tennessee Valley Authority
ATCO Electric	Lewis County PUD	Toronto Hydro-Electric System
Atura Power	Luma	Limited
Avangrid Networks	Manawa Energy	TransAlta Corporation
Avista Corporation	Manitoba Hydro	U.S. Army Corps of Engineers
BC Hydro	Metropolitan Water District of Southern	U.S. Department of Energy
Bonneville Power Administration	California	Uganda Electricity Generation
Brookfield BRP Holdings (Canada) Inc.	National Grid	Company
California Department of Water Resources	National Rural Electric Cooperative	Yuba Water Agency
Capital Power Corporation	Association	Yukon Energy Corporation
Central Hudson Gas and Electric	Natural Resources Canada	
Chelan County Public Utility District	New Brunswick Power	
Columbia Power Corporation	New York Power Authority	
Con Edison	Newfoundland Power Inc.	
Efficiency Manitoba	Northern California Power Agency	
Electricity Supply Board (ESB)	NorthWestern Energy	
ELES	Nova Scotia Power Inc.	
Enbridge Gas Distribution Inc.	Omaha Public Power District	
ENMAX Power Corporation	Oncor Electric Delivery	
Entergy Services	Ontario Power Generation	
EPCOR	Pacific Gas and Electric Company	
Exelon	Portland General Electric	
Federal Energy Regulatory Commission	Powerlink Queensland	
FirstEnergy Corporation	PPL Electric Utilities	
FortisBC Inc.	Puget Sound Energy Inc.	
Fortum	RTE – France	
Grant County Public Utility District	Sacramento Municipal Utility District	
Great River Hydro	Saskatoon Light & Power	
Hoosier Energy	SaskPower	
Hydro One Networks Inc.	Seattle City Light	
Hydro Ottawa Limited	SHEM Societe Hydro Electrique du Midi	

# CEATI Strategy & Innovation Conference - DAY 1 – May 16, 2023

7:30-8:45 Breakfast

8:45-10:15 Opening Plenary – All tracks

8:45 Opening Remarks

9:15 **Keynote Presentation** – Gwen Holdmann, Associate Vice Chancellor for Research, Innovation & Industry Partnerships for the University of Alaska Fairbanks

10:15-11:00 Coffee Break

## A1: Asset Management

Session Chair: Sita Egan, USBR

11:00 **The Value of Asset Management and Continual Improvement**  
*Philippe Webster, Hydro Ottawa*

11:45 **Baby Steps: A Recipe for Your First Two Years in Asset Management**  
*Ruth Wallsgrove, AMCL  
Russ Seiler, Grant County PUD*

## B1: Innovation

Session Chair: Claudia Banner, AEP

11:00 **Bolstering Hydro Power Assets for the Complex Demands Stemming From the New Volatile Energy Paradigm**  
*James Mearns, NCPA  
Oscar van Rooy, Andritz US*

11:45 **Grid Modernization – Paving the Path for the Future**  
*Jim Papadoulis & Valentina Dabic, BC Hydro*

## C1: Safety & Security

Session Chair: Michael Carter, TVA

11:00 **Culture Trumps Strategy**  
*Paul Hurysz and Ellen Schaefer, Davey Resource Group*

11:45 **Human Performance Improvement: Culture, Methods, and Tools to Improve Safety and Deliver Technical Excellence**  
*Brian Moores, POWER Engineers*

12:30-14:00 Networking Lunch

## A2: Asset Management

Session Chair: Cheryl Norris, PGN

14:00 **Asset Strategy in a Changing Marketplace**  
*Graeme Fitz, TransAlta*

14:45 **Guide to Understanding Asset Modelling Data Requirements**  
*Joanne Peacock, EA Technology  
Landel Johnston, SSEN*

## B2: Innovation

Session Chair: Gary S. Brinkworth, TVA

14:00 **AMI Analytics for Transformer Health: A Case Study at Southern Company**  
*Giovanni Polizzi, Minsait ACS  
Julia Clark, Southern Company*

14:45 **Using Technology to Simplify Power System Control and Protection as it Becomes More Complex**  
*Seth Nelson, Basler Electric*

## C2: Safety & Security

Session Chair: Brendan Armstrong, Seattle City Light

14:00 **Security Risk Management of Assets**  
*William Foos, Gannett Fleming and John Rizzardo, CDWR*

14:45 **Electric Utility Guideline for Inventory and Asset Management of Cyber Security Assets**  
*Edvard Lauman, Loreto Sarracini, AESI and Allen Mulanax, Paladin*

15:30-16:15 Coffee Break

## A3: Asset Management

Session Chair: Dori Gurtler, ENMAX

16:15 **A Data Driven Strategy: Right Assets, Right Investments, Right Time**  
*Mason King, Versant Power  
David Lizak, METSCO*

17:00 **How to Make Optimal Asset Decisions: Best Practice & Beyond**  
*Ruth Wallsgrove, AMCL  
Todd Shepherd, AMCL*

## B3: Innovation

Session Chair: James Mearns, NCPA

16:15 **Grid Reliability Through Large-scale Sensorless Monitoring of Transmission Lines Case Study**  
*Dr. Eran Inbar, Prisma Photonics*

17:00 **Grid Planning with Advanced Data Sciences; Practical Applications of AI/Machine Learning**  
*Ted Zalucki, Engineered Intelligence*

## C3: Safety & Security

Session Chair: Sheryl Yee, SMUD

16:15 **Injury Prevention Outpost**  
*Justin Simmons, Sacramento Municipal Utility District*

17:00 **Shifting Mindsets to Improve Safety**  
*Valerie Sherman, Tacoma Power*

17:45-19:30 Networking Reception - Exhibit Hall

# CEATI Strategy & Innovation Conference - DAY 2 – May 17, 2023

7:30-8:45 Breakfast

## AB4: Asset Management and Innovation

Session Chair: Jim Papadoulis, BC Hydro

8:45 **Grid Modernization Programs in Asset Investment Planning**  
Trevor Kang, Hatch

9:30 **Incorporating Climate Adaptation, Resilience, and Innovation in Strategic Asset Management Decision-making**  
Sarah Vine, AMCL  
Guy Druce, Copperleaf

## C4: Safety & Security

Session Chair: Clayton Whitacre, GRE

8:45 **Incorporating Emergency & Crisis Management into Strategic Planning**  
Marcelo Ferreira, Simplify EM

9:30 **SOC Monitoring – An Orchestrated Effort of Multiple Parties**  
Harshal Patil, ABS Group and Jacob Chapman, Nozomi Networks

10:15-11:00 Coffee Break

## A5: Asset Management

Session Chair: John M Hayes, BPA

11:00 **Strategic Leadership Through the Transition Away from Coal-Fired Generation**  
Gary Wicentowich, TransAlta

11:45 **Kabeka Falls Generating Station: Case Study for Investment Decisions for Hydro End of Life Assets**  
Stefan Kohnen, KGS Group  
Shawn Bremner, OPG

## B5: Innovation

Session Chair: Silvia Khurum, Con Edison

11:00 **Electric Vehicle, Solar PV, and Building Electrification Forecast and Load Analysis for ENMAX Power**  
ENMAX

11:45 **The treasure map for EV Charging**  
Ian Cooper, EA Technology

## C5: Safety & Security

Session Chair: Paul Silba and Scott Webber, CEATI

11:00 **FBI's Investigative Response to Cyber Incidents**  
Raymond Miller, Federal Bureau of Investigation

11:45 **Distributed Energy Resources Cybersecurity Framework and Incident Response**  
Anuj Sanghvi, NREL

12:30-14:00 Networking Lunch

## A6: Asset Management

Session Chair: Firdaus Timiyati, Hydro MB

14:00 **Up and Out: How Asset Management Supports Better Infrastructure Decisions for our Communities**  
Lou Cripps, RTE Denver  
Ruth Wallsgrove, AMCL

14:45 **Risk and Resilience - Two Sides of the Same Coin?**  
Mark Knight, Institute of Asset Management

## B6: Innovation

Session Chair: Joseph Zerdin Hydro One

14:00 **Human Factor Considerations in De-risking the Deployment of New Tech in the Utilities Sector**  
Giselle Commissiong & Peter Safarik, Hatch

14:45 **Edison, Tesla, Westinghouse & The Cat in the Hat: How TVA is Using Innovation to Prepare for the Energy System of the Future**  
Gary S. Brinkworth, TVA

## C6: Safety & Security

Session Chair: Sheryl Yee, SMUD

14:00 **Improving Health and Safety with Mobile Robots**  
Roger Hebert and Andrew Wassef, Boston Dynamics

14:45 **A Safe, Sustainable, and Secure Contractor Management Strategy**  
Zack Milne, Avetta

15:30-16:15 Coffee Break

## 16:15-17:30 Closing Plenary

16:15 *Panel Discussion (60 mins) – Grid Modernization and Readiness: Laurent Nassif (CEATI), Gary Brinkworth (Tennessee Valley Authority), Kishore Billapati (Southern California Edison), Anuj Sanghvi (NREL) Jim Papadoulis (BC Hydro)*

17:15 *CEATI Closing Remarks (15 mins)*

17:30-19:00 Networking Reception – Women in Power