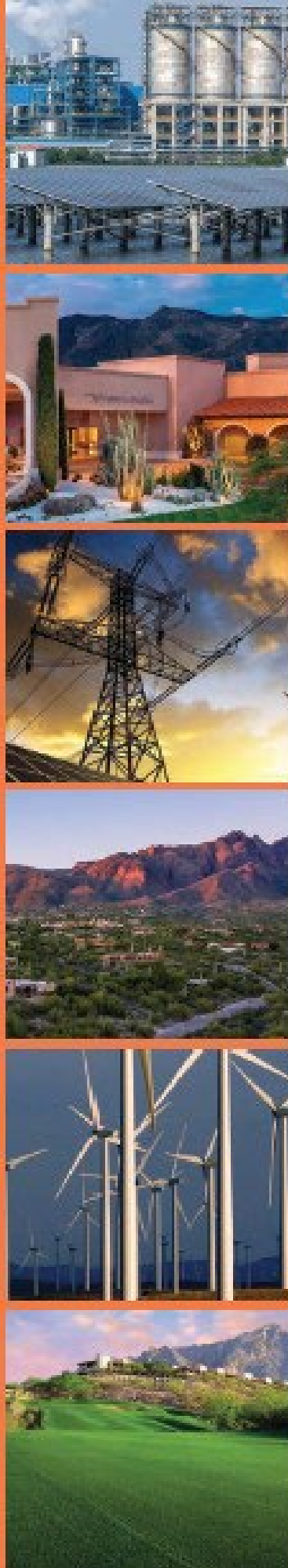


Preliminary Program



In-Person & Virtual EUEC 2022

ENERGY, UTILITY & ENVIRONMENT CONFERENCE
MARCH 10-11, 2022 | TUCSON, ARIZONA

EUEC 2022

1,500+
Attendees

300+
Speakers

100+
Exhibitors

5★
World-class
resort venue

March 10-11, 2022
Westin LaPaloma Resort
Tucson, AZ

EUEC 2022: The 25th Annual Energy, Utility & Environment Conference, is the largest professional networking and educational event of its kind in the United States. EUEC 2022 will be held March 10-11, 2022, at the Westin La Paloma Resort & Spa in Tucson, Arizona.

PRE-CONFERENCE EVENTS - Wednesday March 9, 2022

TRAINING WORKSHOPS - Designed on focussed current topics
GOLF at the Jack Nicholas designed La Paloma Golf Course.

NETWORKING RECEPTION - Meet with colleagues and clients before the start of conference for an evening BBQ reception held 5 to 7 pm at the country club connected by beautiful walking paths by the golf course to the Westin Hotel.

BACK-UP OPTION: Speak & Attend using EUEC Virtual

SPEAKERS unable to attend in-person may opt to present remotely using the EUEC Virtual FLOOR platform that was successfully used for four EUEC virtual conferences in 2021.

ATTENDEES with restrictions to travel or attend in-person may register to attend and view the full conference - both the recorded virtual speakers and in-person speakers.

ACCEPTING ABSTRACTS TO SPEAK IN OPEN SLOTS

The Preliminary Program for EUEC 2022 lists the current speakers - both confirmed and invited and the open slots available for speakers to submit abstracts online at

<https://euec.com/submit-abstract/>

PROGRAM SCHEDULE AND FORMAT

A distinctive characteristic of EUEC is that the conference provides curated content along ten distinct tracks. This allows attendees to choose content that is most relevant to them.

For speakers, this means presenting and networking with audiences in their specific industry professionals and clients.

Each Track has a total of six, two-hour sessions. For each session, each speaker will be allotted 20-minutes for their presentations. Each speaker will introduce themselves before their presentation. One of the speakers will be selected to serve as chair to moderate the session.

Thursday, March 10, 2022

8:00-10:00 AM	Session 1 (six speakers/track)
10:00-10:30 AM	Break/Networking time
10:30-12:30 PM	Session 2 (six speakers/track)
12:30-2:00 PM	Networking Lunch
2:00-4:00 PM	Session 3 (six speakers/track)
4:00-6:00 PM	Networking Reception

Friday, March 11, 2022

8:00-10:00 AM	Session 4 (six speakers/track)
10:00-10:30 AM	Break/Networking time
10:30-12:30 PM	Session 5 (six speakers/track)
12:30-2:00 PM	Networking Lunch
2:00-4:00 PM	Session 6 (six speakers/track)
4:00-6:00 PM	Closing Reception
6:00-8:00 PM	Exhibit Tear Down

OPENING PANEL A1 - UTILITY, POLICY, STRATEGIES & MANAGEMENT



INVITED

INVITED

INVITED

INVITED Clean Air Markets Division,
U.S. EPA

INVITED US DOE

A1.2 HOST COMPANY

A3.3 Power Sector Regulatory Update

8 AM - 8:20 AM

8:20 AM - 8:40 AM

8:40 AM - 9:00 AM

OPEN

OPEN



John Kinsman, Sr. Director,
Environment, Edison Electric Institute

AVAILABLE - SUBMIT ABSTRACT

AVAILABLE - SUBMIT ABSTRACT

A1.1 The Transitioning Electric Power Sector

9:00 AM - 9:20 AM

9:20 AM - 9:40 AM

9:40 AM - 10 AM

Session A2. ELECTRIC UTILITIES CHALLENGES, HYDROGEN



Daniel Chartier, Regulatory Director,
Environmental Policy, National Rural
Electric Cooperative Association



Jesse Frederick, Vice President, WZI



Brian Petermann, Senior Env Project
Manager, POWER Engineers, Inc.

A2.1 Air Regulatory Challenges Facing the Nation's Electric Cooperatives

A2.2 Utility Level Adaptation In A Post-Mitigation Environment

A2.3 Environmental Hurdles Associated with Development of US Green H2 Infrastructure Elements

10:30 AM - 10:50 AM

10:50 AM - 11:10 AM

11:10 AM - 11:30 AM



Eric Hiser, Partner, Jordan Hiser & Joy,
PLC



Anne-Sophie van der Waart,
Performance Engineer, AECOM

OPEN

A2.4 Developing an Approvable ACE Standard of Performance

A2.5 EPA's Affordable Clean Energy Rule - Compliance & Innovative Solutions

AVAILABLE - SUBMIT ABSTRACT

11:30 AM - 11:50 AM

11:50 AM - 12:10 PM

12:10 PM - 12:30 PM

Session A3. EPA RULES, SO2, NOX, O3, NESHAP, TURBINES, CT



Leslie Witherspoon, Manager,
Environmental Programs, Solar
Turbines Incorporated



Shawn O'Brien, Associate, Troutman
Sanders LLP

OPEN

A3.1 Stationary Combustion Turbine NESHAP - An Update

A3.2 Redefining Good Neighbor Obligations & Implications

AVAILABLE - SUBMIT ABSTRACT

2:00 PM - 2:20 PM

2:20 PM - 2:40 PM

2:40 PM - 3:00 PM



George Schewe, Principal
Meteorologist/Consultant, Trinity
Consultants

OPEN

OPEN

A3.4 The SO2 Data Requirements Rule: It's Not Over Yet

AVAILABLE - SUBMIT ABSTRACT

AVAILABLE - SUBMIT ABSTRACT

3:00 PM - 3:20 PM

3:20 PM - 3:40 PM

3:40 PM - 4 PM

Session A4. NSR, MACT, ACE, NEPA



Makram Jaber, Partner, Hunton
Andrews Kurth LLP



David Jordan, Partner, ERM



Eric Hiser, Partner, Jordan, Hiser &
Joy, PLC

A4.1 Appeal of the Ameren Case

A4.2 The Continued Evolution of NSR Reforms Under the Trump

A4.3 A Further Dive into EPA's Source Specific Actions

8 AM - 8:20 AM

8:20 AM - 8:40 AM

8:40 AM - 9:00 AM



Brian Buck, Vice President, Stantec
Consulting

OPEN

OPEN

A4.4 Complying with the New CEQ NEPA Regulations using a Modified EIS Approach

AVAILABLE - SUBMIT ABSTRACT

AVAILABLE - SUBMIT ABSTRACT

9:00 AM - 9:20 AM

9:20 AM - 9:40 AM

9:40 AM - 10 AM

Session A5. REGIONAL HAZE, VISIBILITY & UTILITIES



Robert Paine, Associate Vice
President, AECOM



Jeremy Jewell, Principal, Trinity
Consultants



Tony Widboom, Vice President and
Senior Environmental Engineer, Barr
Engineering Co.

A5.1 Second Decadal Review for the Regional Haze Rule

A5.2 Litigious Issues for the Regional Haze Second Planning Period

A5.3 Lessons Learned from Four Factor Analyses

10:30 AM - 10:50 AM

10:50 AM - 11:10 AM

11:10 AM - 11:30 AM (PST)



Gale Hoffnagle, Senior Vice
President, TRC

OPEN

OPEN

A1.3 Advances in Regulatory Air Quality Modeling

AVAILABLE - SUBMIT ABSTRACT

AVAILABLE - SUBMIT ABSTRACT

11:30 AM - 11:50 AM

11:50 AM - 12:10 PM

12:10 PM - 12:30 PM

Session A6. ENERGY POLICY, PFAS, CAQS, RE, ENVIRONMENTAL SUSTAINABILITY



Mark Scherluebbe, Senior Manager,
EY



Law Offices Of
C. William Smalling
William Smalling, Attorney, The Law
Office of C. William Smalling PC



James Westbrook, President,
BlueScope Environmental

A6.1 Air Regulatory Challenges

A1.4 Streamlining the CAA- Helping New Administration with its Regulatory Agenda

A6.3 California Air Quality Regulations in 2021: What You Need to Know

2:00 PM - 2:20 PM

2:20 PM - 2:40 PM

2:40 PM - 3:00 PM



Matthew Dobbins, Partner, Vinson
& Elkins

OPEN

OPEN

A6.4 Managing Permitting Risks in Carbon Capture and Sequestration Projects

AVAILABLE - SUBMIT ABSTRACT

AVAILABLE - SUBMIT ABSTRACT

3:00 PM - 3:20 PM

3:20 PM - 3:40 PM

3:40 PM - 4 PM

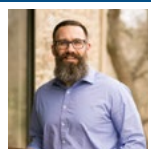
Session B1. EPA RULES FOR CTS, CMS



Thomas Dunder, Technical Director, TRC



Troy Boley, Vice President, Spectrum Environmental Solutions



Jon (JP) Kleinle, Practice Area Leader, Continuous Monitoring Systems, ALL4 LLC

B1.1 EPA Signs New Rule Affecting Stationary

8 AM - 8:20 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:00 AM - 9:20 AM

B1.2 Update EPA's New Formaldehyde Emissions

8:20 AM - 8:40 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:20 AM - 9:40 AM

B1.3 Update on the U.S. EPA Withdrawal of CMS

8:40 AM - 9:00 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:40 AM - 10 AM

Session B2. MONITORING, HRVOC, CFB, HG, SILICATES



JCT
Philipp Zimmel, Vice President, JCT Analysentechnik GmbH

B2.1 Clever Sampling Solutions for Demanding Applications

10:30 AM - 10:50 AM

ees
Environmental Energy Services (EES)

B2.4 Amended Silicate Products from Environmental Energy Services

11:30 AM - 11:50 AM



MONTROSE
Peter Zemek, SVP Emerging Technology, Montrose Environmental

B2.2 Comparison of Emerging Technology Quantification...

10:50 AM - 11:10 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

11:50 AM - 12:10 PM



GORE
John Knotts, Business Development Leader, W. L. Gore & Associates, Inc.

B2.3 CFB Baghouse Optimization Give the Use of Gore Membrane Filter...

11:10 AM - 11:30 AM (PST)

OPEN

AVAILABLE - SUBMIT ABSTRACT

12:10 PM - 12:30 PM

Session B3. ADVANCED TECH INSTRUMENTATION, DIGITAL INVESTMENT (RODI)



Yogesh Pai, Lead Propulsion Sys. Eng., Sensatek Propulsion

B3.1 On-Blade Gas Turbine Sensors for Real-Time Health Monitoring

2:00 PM - 2:20 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

3:00 PM - 3:20 PM



Borton Lawson
Walt Stout, Business Development Leader, Borton Lawson

B3.2 What is a Digital Transformation and How Do I Get Started?

2:20 PM - 2:40 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

3:20 PM - 3:40 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

2:40 PM - 3:00 PM

AVAILABLE - SUBMIT ABSTRACT

3:40 PM - 4 PM

Session B4. MODELING



Trinity Consultants
Tony Schroeder, Principal Consultant, Trinity Consultants

B4.1 Air Quality Modeling Options for Capped and Horizontal Stacks

8 AM - 8:20 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:00 AM - 9:20 AM



ERM
Richard Hamel, Air Quality Meteorologist, ERM

B4.2 Successful Air Dispersion Modeling Analysis

8:20 AM - 8:40 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:20 AM - 9:40 AM



AECOM
Robert Paine, Associate Vice President, AECOM

B4.3 White Paper Issues for Aermod - Where Are We in 2020?

8:40 AM - 9:00 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:40 AM - 10 AM

Session B5. EMISSION MONITORING, MODELING & PERMITTING, P.M.



UNIVERSITY OF MADRID
Roberto San Jose, Professor, Computer Science School / Technical University of Madrid

B5.1 Indoor Air Quality Modeling and Health Impacts

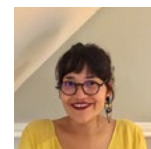
10:30 AM - 10:50 AM



TSI
Steve Boehm, Sr. Global Product Manager, TSI Incorporated

B5.4 Considerations for Certifying Photometric PM 2.5 & PM 10 Monitors

11:30 AM - 11:50 AM



Gasmet
Alejandra Cabrera, Product Engineer, Gasmet Technologies Inc

B5.2 Emissions Monitoring with Multi-Gas FTIR in Carbon Capture and Storage Processes

10:50 AM - 11:10 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

11:50 AM - 12:10 PM



CMS Experts
Geoffrey Klotz, President, CEMS Experts

B6.3 Update on the U.S. EPA Withdrawal of CMS Regulatory Interpretation

11:10 AM - 11:30 AM (PST)

OPEN

AVAILABLE - SUBMIT ABSTRACT

12:10 PM - 12:30 PM

Session B6. DRONES, FENCELINE MONITORING, REMOTE SENSING



JCT
Philipp Zimmel, Vice President, JCT Analysentechnik GmbH

B6.1 NextGen Smart Air Quality and Fenceline Monitoring Solution

2:00 PM - 2:20 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

3:00 PM - 3:20 PM



SAULS SEISMIC
Jeffrey Taylor, President, Sauls Seismic LLC

B6.2 Continuous Remote Environmental Monitoring

2:20 PM - 2:40 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

3:20 PM - 3:40 PM



CMS Experts
Geoffrey Klotz, President, CEMS Experts

B6.3 Update on the U.S. EPA Withdrawal of CMS Regulatory Interpretation

2:40 PM - 3:00 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

3:40 PM - 4 PM



Session C1. MERCURY CAPTURE & CONTROL

 Domenic Contrino, Research and Development Manager, Carbonxt	 Evan Granite, Research Chemical Engineer, Technical Task Lead, U.S. DOE / NETL	OPEN
C1.1 Mercury Capture in the Coal Industry; Beyond Halogens 8 AM - 8:20 AM	C1.2 Overview on Mercury Control Options for Coal-Burning Power Plants 8:20 AM - 8:40 AM	AVAILABLE - SUBMIT ABSTRACT 8:40 AM - 9:00 AM
OPEN	OPEN	OPEN
AVAILABLE - SUBMIT ABSTRACT 9:00 AM - 9:20 AM	AVAILABLE - SUBMIT ABSTRACT 9:20 AM - 9:40 AM	AVAILABLE - SUBMIT ABSTRACT 9:40 AM - 10 AM

Session C2. NATURAL GAS RELIABILITY CONVERSION

 Carolyn Birch, Environmental Associate, Sargent & Lundy	 Daniel Barbersek, Director of Power generation, Waukesha Pearce Industries	 Bruce Ogden, Director, Business Development, EAPC Industrial Services
C2.1 Combustion Turbine Missions Troubleshooting 10:30 AM - 10:50 AM	C2.2 Diesel vs Natural Gas 10:50 AM - 11:10 AM	C2.3 Unit Flexibility For Coal Fired Units 11:10 AM - 11:30 AM (PST)
OPEN	OPEN	OPEN
AVAILABLE - SUBMIT ABSTRACT 11:30 AM - 11:50 AM	AVAILABLE - SUBMIT ABSTRACT 11:50 AM - 12:10 PM	AVAILABLE - SUBMIT ABSTRACT 12:10 PM - 12:30 PM

Session C3. H2S REMOVAL, PM, CEMS, REACT, MULTI POLLUTANT CONTROL

 Robert Baxter, President, B3 Systems	 Regina Rodriguez, President, Carbonxt	 John Buschmann, Consulting Engineer, MS Technology Inc.
C3.1 Don't Just Monitor Your PM, Control It! 2:00 PM - 2:20 PM	C3.2 Multi-Pollutant REACT System 2:20 PM - 2:40 PM	C3.3 Cope Baghouse Retrofit Project 2:40 PM - 3:00 PM
OPEN	OPEN	OPEN
AVAILABLE - SUBMIT ABSTRACT 3:00 PM - 3:20 PM	AVAILABLE - SUBMIT ABSTRACT 3:20 PM - 3:40 PM	AVAILABLE - SUBMIT ABSTRACT 3:40 PM - 4 PM



Session C4. HYDRATED LIME & ACTIVATED CARBON HG TECHNOLOGIES

 Michael Fontaine, VP Project Management, Falcon Project Consultants	 Eric Fairbairn, Product Manager - Flue Gas Treatment, Mississippi Lime	 Domenic Contrin, Lead Propulsion Sys. Eng., Carbonxt
C4.1 Reduce Flow Assurance Costs with Low Dose Hydrate Inhibitors 8 AM - 8:20 AM	C4.2 Benefits of Enhanced Hydrated Lime 8:20 AM - 8:40 AM	C4.3 Activated Carbon Adsorption and Air Phase Mercury Capture 8:40 AM - 9:00 AM
 Dr. Jacob Tuttle, Research, Development and Application Engineer, Griffin Open Systems LLC	OPEN	OPEN
C4.4 Improving Hg Control While Reducing PAC Injection Rates 9:00 AM - 9:20 AM	AVAILABLE - SUBMIT ABSTRACT 9:20 AM - 9:40 AM	AVAILABLE - SUBMIT ABSTRACT 9:40 AM - 10 AM

Session C5. GAS TURBINES, STARTUP, MACT FOR HAPS, CCGT

 Makram Jaber, Partner, Hunton Andrews Kurth LLP	 Jordan Haywood, Senior Key Expert, Siemens Energy, Inc.	OPEN
C5.1 HAP Regulations of Combustion Turbines - MACT and RTR 10:30 AM - 10:50 AM	C5.2 Gas Turbine Startup Emissions - Determination and Permitting 10:50 AM - 11:10 AM	AVAILABLE - SUBMIT ABSTRACT 11:10 AM - 11:30 AM (PST)
OPEN	OPEN	OPEN
AVAILABLE - SUBMIT ABSTRACT 11:30 AM - 11:50 AM	AVAILABLE - SUBMIT ABSTRACT 11:50 AM - 12:10 PM	AVAILABLE - SUBMIT ABSTRACT 12:10 PM - 12:30 PM

Session C6. CO2, NOX AND SO2, HG, PM, MEDICAL WASTE INCINERATOR

 John Kumm, Senior Engineer/Senior Project Manager, EA Engineering, Science, and Technology, Inc. PBC	 Robert Richardson, President, Pacific Rim Design & Development Inc.	 Quayum Abdul, Solar Instructor, Pasadena City, EastLA, WestLA, LACC, LA Harbor & El Camino Colleges
C6.1 Meeting Increasingly Stringent Medical Waste Incinerator Standards 2:00 PM - 2:20 PM	C6.2 Very Green Capture of CO2, NOx and SO2 2:20 PM - 2:40 PM	C6.3 Solar PV Electromagnetic Radiation and It's Shielding 2:40 PM - 3:00 PM
 Nathan Schindler, Technical Sales Manager, Evonik Corp.	OPEN	OPEN
C6.4 It's All In The Dust Cake Revisited 3:00 PM - 3:20 PM	AVAILABLE - SUBMIT ABSTRACT 3:20 PM - 3:40 PM	AVAILABLE - SUBMIT ABSTRACT 3:40 PM - 4 PM

Session D1. CCGT, GAS TURBINE UPGRADES & TECHNOLOGIES



SIEMENS ENERGY
Reed Lengel, Sales Applications Manager, Siemens Energy, Inc.

D1.1 Increased Role Of Medium Gas Turbines In Combined Cycle

8 AM - 8:20 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:00 AM - 9:20 AM



ST POWERSERVICES
Siraj Taj, Principal / Owner, ST Power Services Consultants, LLC.

D1.2 Thermal Power Plant Transformation: The Key To A Clean Energy Future

8:20 AM - 8:40 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:20 AM - 9:40 AM



MITSUBISHI HITACHI POWER SYSTEMS
Muhammad Saqib Riaz, Engineering Manager, Mitsubishi Hitachi Power Systems Americas

D1.3 Steam Turbine Upgrade Options With Respect to Heat Rate...

8:40 AM - 9:00 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:40 AM - 10 AM

Session D2. DATA MANAGEMENT SOFTWARE, RESOURCE PLANNING, COGENERATION



Daniel Mussaffi, Senior Power Economist, U.S. Nuclear Regulatory Commission

D2.1 Increasing Efficiency At Almost No Cost: It's Time For Cogeneration

10:30 AM - 10:50 AM



DroneDeploy
Nick Pilkington, CTO and Co-Founder, DroneDeploy

D2.4 Monitoring Distributed Energy Assets with Drones


11:30 AM - 11:50 AM



Ascend Analytics
Brent Nelson, Senior Energy Analyst, Ascend Analytics

D2.2 Resource Planning 2.0: The Energy Transition Paradigm

10:50 AM - 11:10 AM



powercloud GmbH
Marc Pion, Head of Marketing and Communications, powercloud GmbH

D2.5 powercloud For Utilities: Cost Down - Flexibility Up!

11:50 AM - 12:10 PM



Wildnote
Kristen Hazard, CEO, Wildnote

D2.3 Regulators And The Regulated - Can Technology Bridge The Gap?

11:10 AM - 11:30 AM (PST)

OPEN

AVAILABLE - SUBMIT ABSTRACT

12:10 PM - 12:30 PM

Session D3. CYBER SECURITY, RISK MANAGEMENT



1898 & Co.
Jerome Farquharson, Sr. Managing Director, 1898 & Co. part of Burns & McDonnell

D3.1 Utility Vulnerability, Threat And Risk Management

2:00 PM - 2:20 PM



MinuteMan Weather
Lawrence Heitkemper, President, MinuteMan Weather, LLC.

D3.4 Quantifying Risk in Temperature Forecasting

3:00 PM - 3:20 PM



DNG-ISAC
John Bryk, Cyber and Physical Threat Intelligence Analyst, Downstream Natural Gas ISAC

D3.2 Threat Actors Affecting ICS - Who and Why

2:20 PM - 2:40 PM



Griffin Open Systems LLC
Jacob Tuttle, Research, Development and Application Engineer, Griffin Open Systems LLC.

D3.5 Leveraging Artificial Intelligence in Heavy Industry - Adivrent Control & The Griffin AI Toolkit

3:20 PM - 3:40 PM



EISC Lab Data Automation
Paul Banfer, Vice President/CTO, EISC

D3.3 Risk Aversion Through Automation Of Analytical Results

2:40 PM - 3:00 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

3:40 PM - 4 PM

Session D4. T&D, UNDERGROUND UTILITIES & SUBSTATIONS, SWITCHGEAR, TRANSFORMERS



GaugeTech
Charles Kachel, Application Engineer, Electro Industries/GaugeTech

D4.1 T&D Maintenance: Leveraging Advanced Revenue Quality Billing...

8 AM - 8:20 AM



IMCORP
Steffen Ziegler, Director - Signal Analysis & Artificial Intelligence, IMCORP

D4.4 Machine And Deep Learning Provide Risk Categorization...

9:00 AM - 9:20 AM



conEdison
Eric Fell, Specialist - EH&S Safety, Consolidated Edison Company of New York, Inc.

D4.2 Working In Switchgear Cubicles Just Got A Lot Safer

8:20 AM - 8:40 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:20 AM - 9:40 AM



Marrone Bio Innovations
Seth Donrovich, Invasvie Mussel Consultant, Marrone Bio Innovations

D4.3 Control Of Invasive Mussels In Power Generation Facilities


8:40 AM - 9:00 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

9:40 AM - 10 AM

Session D5. DATA MANAGEMENT SOFTWARE, PPA, SIMULATOR TRAINING, POWER GEN



Solomon Associates
Scott Diermann, Sr. Consultant, Solomon Associates

D5.1 Finding The Hidden Value In Your Plant Data

10:30 AM - 10:50 AM



AES
Ken Daycock, Manager, GP Strategies; co-author: Ron Rodrique, AES

D5.4 Digital Integrated Technologies For A Simulator Training & Qual Program

11:30 AM - 11:50 AM



PEXAPARK
Amanda Niklaus, Energy Analyst, Pexapark

D5.2 Pexapark Brings Transparency To Long-Term PPA Prices In Europe

10:50 AM - 11:10 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT

11:50 AM - 12:10 PM



arpa-e
Rakesh Radhakrishnan, Technology to Market Advisor, ARPA-E

D5.3 Adv Generation Systems For Stationary & Transportation Markets

11:10 AM - 11:30 AM (PST)

OPEN

AVAILABLE - SUBMIT ABSTRACT

12:10 PM - 12:30 PM

Session D6. POWER PLANT EFFICIENCY, BOLTING TECHNOLOGY, FUEL GAS MONITORING



HYTORC
Eric Forslund, Power Generation Project Manager, Hytorc

D6.1 Industrial Bolting - Improve Productivity Through Technology...

2:00 PM - 2:20 PM



MERRICK
Andy Rogers, Senior Electrical Engineer, Merrick and Company

D6.4 Power Plant Control System Upgrades for Improved Resilience

3:00 PM - 3:20 PM



Creative POWER Solutions
Majed Toqan, Chief Executive Office, Creative Power Solutions

D6.2 Reducing The Cost Of Electricity Production: A Case Study

2:20 PM - 2:40 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

3:20 PM - 3:40 PM



mks Instruments, Inc.
Roberto Bosco, Senior Product Marketing Manager, MKS Instruments, Inc.

D6.3 Monitoring Fuel Gas Composition In Real Time

2:40 PM - 3:00 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT

3:40 PM - 4 PM

Session E1. WASTE TO ENERGY, RNG, MSW




Ryan Cooper, Waste Diversion Manager and Organics Recycling Lead, Rubicon

E1.1 Food Waste Recycling Best Practices

8 AM - 8:20 AM




Girish Srinivas, Vice President, TDA Research, Inc.

E1.2 Hydrogen Generation Using Heavy Oil Feedstocks

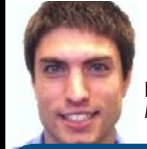

8:20 AM - 8:40 AM




Richard Fish, President and Chief Operating Officer, Community Eco Power LLC.

E1.3 Extending the Economic Life of Waste to Energy in the U.S.

8:40 AM - 9:00 AM

Dan Moeller, Process Engineering Manager, Guild Associates, Inc.

E1.4 California Rule 21/30 Compliance Made Easy!


9:00 AM - 9:20 AM




Shayne Petkiewicz, Business Development Manager, Anaergia

E1.5 California Rule 21/30 Compliance Made Easy!

9:20 AM - 9:40 AM



OPEN

AVAILABLE - SUBMIT ABSTRACT

9:40 AM - 10 AM

Session E4. MSW, SUSTAINABLE RE PROJECTS




Bret Swain, Senior Engineer, City of Manteca

E4.1 The Development Of A Municipal Waste To Fuel Program

8 AM - 8:20 AM




Matt Leuck, Technical Manager, North America, Neste

E4.2 Renewable Diesel: Risk Free Carbon Footprint Reduction

8:20 AM - 8:40 AM




Dr. Moinuddin Sarker, PhD, MRSC., Chairman, CEO and CTO, Waste Technologies LLC

E4.3 Conversion Of Municipal Solid Waste (MSW) To Green Energy

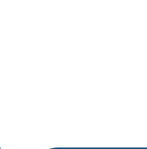
8:40 AM - 9:00 AM




Lincoln Blevans, Assistant General Manager, Burbank Water & Power

E4.4 Black and White or Surprisingly Green: Reimagining Legacy Coal Plants For Green Hydrogen


9:00 AM - 9:20 AM



OPEN

AVAILABLE - SUBMIT ABSTRACT

9:20 AM - 9:40 AM



OPEN

AVAILABLE - SUBMIT ABSTRACT

9:40 AM - 10 AM

Session E2. RNG, BIOGAS, BIOFUELS, BIODIESEL, ALGAE




Tony Widboom, Vice President and Senior Environmental Engineer, Barr Engineering Co.

E2.1 Environmental Permitting For Upgrading And Supplying RNG

10:30 AM - 10:50 AM




Joel Cuello, Professor of Biosystems Engineering, The University of Arizona

E2.2 Waste-To-Energy Circular Economy Strategy For Vertical Farms

10:50 AM - 11:10 AM




Keith Lampi, President, Fluid Technology Solutions

E2.3 Management Of Anaerobic Digester Effluent Using Forward Osmosis

11:10 AM - 11:30 AM (PST)




Peter Ettinger, Chief Development Officer, Bioenergy DevCo.

E2.4 Fueling Businesses With RN Natural Gas & Anaerobic Digestion


11:30 AM - 11:50 AM



OPEN

AVAILABLE - SUBMIT ABSTRACT

11:50 AM - 12:10 PM



OPEN

AVAILABLE - SUBMIT ABSTRACT

12:10 PM - 12:30 PM

Session E5. WASTE TO ENERGY, LFG, RNG, BIOGAS




Patrick Sullivan, Senior Vice President, SCS Engineers

E5.1 The Evolution Of Emission Controls On Landfill Gas Engines...

10:30 AM - 10:50 AM




Anthony Cirillo, Senior Project Director, AECOM

E5.2 Waste-To-Energy Or Wasted Energy?

10:50 AM - 11:10 AM




David Elam, Vice President, TRC

E5.3 Renewable Natural Gas: A Marketable Commodity From Bio Wastes

11:10 AM - 11:30 AM (PST)




Joseph A. Rossin, VP, Materials Development, Guild Associates, Inc.

E5.4 Reduce H2S removal costs for Landfill Gas with BSR-050


11:30 AM - 11:50 AM




Sandra Sassow, CEO, SEaB Power Ltd.

E5.5 Closed Loop Organic Waste Management To Make Our Cities More Sustainable

11:50 AM - 12:10 PM



OPEN

AVAILABLE - SUBMIT ABSTRACT

12:10 PM - 12:30 PM

Session E3. LFG, RNG, MSW, LMOP, SILOXANE, BIOGAS




Jeffrey Pierce, Senior Project Director, SCS Engineers

E3.1 Flip Or Flop: Conversion Of Biogas Power Generation To RNG

2:00 PM - 2:20 PM




Mark Bertane, Principal, Blackhawk Technology Company

E3.2 Siloxane Sampling Methods: Online vs Offline

2:20 PM - 2:40 PM



OPEN

E3.3 Pumping Elevated-Temp Fluids To 300°F Case Studies, Lessons Learned


2:40 PM - 3:00 PM




Wes Younger, Managing Consultant, Trinity Consultants

E3.4 Lessons Learned At Landfills Complying With NSPS XXX Rqrmnts


3:00 PM - 3:20 PM



OPEN

AVAILABLE - SUBMIT ABSTRACT

3:20 PM - 3:40 PM



OPEN

AVAILABLE - SUBMIT ABSTRACT

3:40 PM - 4 PM


Session E6. CLIMATE, GHG, CARBON CREDITS, WASTE MANAGEMENT




Bill Leightly, Director, Alaska Applied Sciences, Inc.

E6.1 "Carfree" Cities: Accommodating Millions Fleeing Rapid Sea Level Rise


2:00 PM - 2:20 PM



Austin Wentworth, Vice President, STX Commodities

E6.2 LCFS Optimization And Reaching Fleet Carbon Neutrality

2:20 PM - 2:40 PM



Nedia Miller, Principal, MILLER CTA

E6.3 How To Invest In The Constrained GHG Energy Market...


2:40 PM - 3:00 PM




Dr. Bapanaiah Penugonda, Associate Professor / Group Practice Director, New York University

E6.4 Solid Waste From Health Care - Environmental Impact & Management


3:00 PM - 3:20 PM



OPEN

AVAILABLE - SUBMIT ABSTRACT

3:20 PM - 3:40 PM








OPEN

AVAILABLE - SUBMIT ABSTRACT

3:40 PM - 4 PM

Session F1. RE PROJECT MANAGEMENT, ENERGY STORAGE

 <p>JSS Consulting LLC Jaisen Mody, Consultant, JSS Consulting LLC</p> <p>F1.1 Challenges with Renewable Energy Contracts Addressing Reverse Flow and Covid-19 Delays 8 AM - 8:20 AM</p>	 <p>GRIDSCAPE Alok Singhania, Partner, Gridscape Solutions</p> <p>F1.2 GRIDSCAPE's Renewable Microgrid and EV Charging 8:20 AM - 8:40 AM</p>	 <p>UL James Trudeau, Global Business Development Manager, UL LLC.</p> <p>F1.3 Energy Storage - New Codes & Standards 8:40 AM - 9:00 AM</p>
 <p>Alaska Applied Sciences, Inc. Bill Leighty, Director, Alaska Applied Sciences, Inc.</p> <p>F1.4 California's Dilemma: Rebuild Grid or Hydrogen 9:00 AM - 9:20 AM</p>	 <p>GUTech Seyed Mojtaba Sadrameli, Professor of Process Engineering, German University of Technology</p> <p>F1.5 California's Dilemma: Rebuild Grid or Hydrogen 9:20 AM - 9:40 AM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:40 AM - 10 AM</p>






Session F2. ENERGY STORAGE & PROJECT MANAGEMENT

 <p>NELSON ENERGY Douglas Spaulding, President, Nelson Energy LLC.</p> <p>F2.1 Economical Underground Pumped Storage Development using TBMs 10:30 AM - 10:50 AM</p>	 <p>BURNS McDONNELL Patricia Scroggin-Wicker, Business Manager, Burns & McDonnell</p> <p>F2.2 Long Duration Energy Storage - What's Available? 10:50 AM - 11:10 AM</p>	 <p>troutman sanders Andy Flavin, Associate, Troutman Sanders LLP.</p> <p>F2.3 State Siting Regulation of Energy Storage Resources 11:10 AM - 11:30 AM (PST)</p>
 <p>NORTON ROSE FULBRIGHT Noah Pollak, Partner, Norton Rose Fulbright</p> <p>F2.4 Financing Renewable Energy and Storage Projects 11:30 AM - 11:50 AM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 11:50 AM - 12:10 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 12:10 PM - 12:30 PM</p>






Session F3. SMART GRID, MICROGRID, DER ENERGY MANAGEMENT

 <p>SmartPower Brian Keane, President, SmartPower</p> <p>F3.1 Energy Congestion? We Can Fix That -- Easy! 2:00 PM - 2:20 PM</p>	 <p>EATON Sercan Teleke, Senior Specialist, Eaton</p> <p>F3.2 Microgrids for Hurricane Prone Areas 2:20 PM - 2:40 PM</p>	 <p>HAMER ENVIRONMENTAL Nathan Goodman, CEO, Hamer Environmental</p> <p>F3.3 Electric Grid & Renewable Energy. Marriage or Lifelong Frenemies? 2:40 PM - 3:00 PM</p>
<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:00 PM - 3:20 PM</p>	 <p>Nexant John Dirkman, Vice President Product Management, Nexant</p> <p>F3.5 Using Data and Analytics to Solver DER Challenges 3:20 PM - 3:40 PM</p>	 <p>HOMER Energy Peter Lilienthal, Global Microgrid Lead, HOMER Energy by UL</p> <p>F3.6 Economic Optimization of Microgrid Design and Operation 3:40 PM - 4 PM</p>

Session F4. WIND, SOLAR, PV & NUCLEAR

<p>Hal Falls, Commercial Manager, Miaoli Wind Company</p> <p>F4.1 Economic and Social Aspects of Operating a Commercial Wind Farm 8 AM - 8:20 AM</p>	 <p>UC Mark Hauenstein, Partner, UC Won</p> <p>F4.2 Zero to One and the Electric Grid 8:20 AM - 8:40 AM</p>	 <p>Russell Light, Environmental Consultant, Sargent & Lundy, LLC.</p> <p>F4.3 Environmental Review for NRC Subsequent License Renewal 8:40 AM - 9:00 AM</p>
 <p>PRESENT POWER Jason Katcha, President, Present Power Systems, LLC.</p> <p>F4.4 What Keeps Utility Executives Awake At Night? 9:00 AM - 9:20 AM</p>	 <p>CALNETIX Freddie Sarhan, Vice President of Business Development, Calnetix Technologies</p> <p>F4.5 Economic Analysis of Turbo Expanders for Natural Gas... 9:20 AM - 9:40 AM</p>	 <p>John Eric Chapman, Director of Nuclear Engineering, Continuous Engineering Solutions</p> <p>F4.6 Boron-Basalt Fibers aiding Nuclear New-Build Construction 9:40 AM - 10 AM</p>

Session F5. RENEWABLES & ENERGY STORAGE

 <p>Trinity Consultants Scott Osbourn, Principal, Trinity Consultants</p> <p>F5.1 The Effect of Renewables on Fossil Fuel-Fired Generation 10:30 AM - 10:50 AM</p>	 <p>ENGIE ENGIE Storage Walker Wright, Vice President of Policy, ENGIE Storage, ENGIE North America</p> <p>F5.2 Challenges / Opportunities: DERS for Utilities, Customers, and the Environment 10:50 AM - 11:10 AM</p>	 <p>ARIZONA UNIVERSITY Kamil Khalaf, Master's Candidate in Engineering Management, University of Arizona</p> <p>F5.3 Cost-Effective Energy-Efficient Practices Designed for Iraq's Hydroelectric PP 11:10 AM - 11:30 AM (PST)</p>
 <p>MAGALDI Mario Magaldi, Magaldi Technologies</p> <p>F5.4 Thermal Energy Storage Technology 11:30 AM - 11:50 AM</p>	 <p>BURNS McDONNELL Jason Barmann, Energy Storage Applications Engineer, Burns & McDonnell</p> <p>F5.5 Energy Storage Technology Review and Update 11:50 AM - 12:10 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 12:10 PM - 12:30 PM</p>

Session F6. PV SOLAR, SUSTAINABLE ENERGY, GREEN PROJECTS

 <p>Sargent & Lundy Julianna Crumlish, Environmental Consultant, Sargent & Lundy, LLC.</p> <p>F6.1 Solar PV Redevelopment for Decommissioned Coal Plants 2:00 PM - 2:20 PM</p>	 <p>CAL STATE LA Arezoo Khodayari, Assistant Professor, California State University, Los Angeles</p> <p>F6.2 Developing a Sustainability Tool for Cal State LA 2:20 PM - 2:40 PM</p>	 <p>OHIO UNIVERSITY Gilbert Michaud, Assistant Professor of Practice, Ohio University</p> <p>F6.3 Locational Drivers for Utility-Scale Solar PV Farms 2:40 PM - 3:00 PM</p>
<p>Nicholas Zanrosso, Sales Representative, Calpine Energy</p> <p>F6.4 Sensible Sustainability 3:00 PM - 3:20 PM</p>	 <p>Sivertson & Associates Lorne Sivertson, President, Sivertson & Associates Consulting Ltd.</p> <p>F6.5 British Columbia Renewable Energy Low-Carbon Future? 3:20 PM - 3:40 PM</p>	 <p>Constellation Ben Chadwick, Executive Director, Renewables Origination, Constellation</p> <p>F6.6 Integrating Renewable Energy Solutions to Reach Business and Sustainability Goals 3:40 PM - 4 PM</p>

Session G1. DECOMMISSIONING & DEMOLITION (D&D)

Tim Smith, Senior Vice President, Environmental Liability Transfer, Inc.

G1.1 Transferring Assets And Liabilities During Power Plant
8 AM - 8:20 AM

Robert Appelt, Project Manager, Weston Solutions, Inc.

G1.2 The Holly Decommissioning Story: Plant To Parkland
8:20 AM - 8:40 AM

Tim Barker, D4 Program Director, AECOM

G1.3 Foundations Of Demolition Management
8:40 AM - 9:00 AM

Jeff Pope, Manager, Facility Decommissioning & Demolition Services, Burns & McDonnell

G1.4 Planning And Implementation Of Decommissioning & Demolition
9:00 AM - 9:20 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT
9:20 AM - 9:40 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT
9:40 AM - 10 AM

Session G2. O&M, POWER PLANTS, DUCTS, PERFORMANCE & RISK MGMT

Dennis Barlow, Sr Product Manager, General Electric

G2.1 Solutions For Flexible Operation Of Steam Generation Power Plants
10:30 AM - 10:50 AM

Mohsen Tarassoly, Director of Sales & Business Development, Electrical Builders, Inc. (EBI)

G2.2 Avoid A Failure: System Critical Bus Duct Maintenance Best Practices
10:50 AM - 11:10 AM

Sloane Whiteley, Principal, Infosys

G2.3 Data Driven Knowledge Management For Process Intensive Operations
11:10 AM - 11:30 AM (PST)

Stephen Groner, President, SGA Marketing

G2.4 The Momentums Of Truth - Building Program Engagement With Online Tools
11:30 AM - 11:50 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT
11:50 AM - 12:10 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT
12:10 PM - 12:30 PM

Session G3. POWER PLANT DECOMMISSIONING, O&M, CHP

Christine Harris, Associate Vice President, HDR Engineering, Inc.

G3.1 Need To Decommission Your Power Plant? What To Know And Do First?
2:00 PM - 2:20 PM

Stephen Mitchell, Senior Vice President, Weston Solutions, Inc.

G3.2 Decommissioning Alternatives: Preparing Plants For Adaptive Reuse
2:20 PM - 2:40 PM

Scott Donaubauber, President, Entalpy Energy Services, LLC.

G3.3 Decommissioning Power Plants - The Human Element
2:40 PM - 3:00 PM

David Watson, Director, Global Business Development, Cold Jet

G3.4 Fundamentals & Magic Of Dry Ice Cleaning
3:00 PM - 3:20 PM

Luke Krooswyk, Senior Mechanical Engineer, Burns and McDonnell

G3.5 Utility Isolation & Reconfiguration Challenges with Plant Decommissioning
3:20 PM - 3:40 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT
3:40 PM - 4 PM

Session G4. O&M, EHS, ASSET MANAGEMENT, D&D

Mil Shastri, Sr. Applications Engineer - Energy, Trading & Risk Management, MathWorks Inc.

G4.1 Asset Health Monitoring & Predictive Maint. Using ML & AI
8 AM - 8:20 AM

David Shotts, Partner, ERM

G4.2 Creating Value With Managed Corporate EHS & Asset Management
8:20 AM - 8:40 AM

Jeff Pope, Manager, Facility Decommissioning & Demolition Services, Burns & McDonnell

G4.3 Safety Considerations For Plant Decommissioning & Demolition
8:40 AM - 9:00 AM

Sanjeev Bhatia, Chief Engineer - Electrical, Bechtel (India) Pvf. Ltd.

G4.4 Asset Condition Monitoring For Electrical Equipment
9:00 AM - 9:20 AM

Nick Steinke, Technical Leader, Olsson

G4.5 A Systems Approach to Managing Environmental Programs
9:20 AM - 9:40 AM

Devin Bennett, Partner, Loss Prevention Systems, Inc.

G4.6 Keys to Transforming Organizational Performance
9:40 AM - 10 AM

Session G5. FIRE PROTECTION, RISK MANAGEMENT, ENERGY STORAGE

Wes Kennedy, Senior Technical Specialist, Blue Planet Energy

G5.1 Designing And Deploying Fire-Safe Energy Storage Systems
10:30 AM - 10:50 AM

Paul Hayes, General Manager, American Fire Technologies

G5.2 Fire Protection For Energy Storage System Batteries
10:50 AM - 11:10 AM

Marc Dillon, Senior Manager, Sphera

G5.3 Moving From Lagging To Leading Indicators In Improve Safety Performance
11:10 AM - 11:30 AM (PST)

Jeffrey Bonkoski, Western North American Market Manager, Hazard Control Technologies

G5.4 Encapsulator Agent Energy Storage System Fire Protection Systems
11:30 AM - 11:50 AM

OPEN

AVAILABLE - SUBMIT ABSTRACT
11:50 AM - 12:10 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT
12:10 PM - 12:30 PM

Session G6. ENV DATA MANAGEMENT, APM, RAP

Brian Payer, Digital Solutions, Sphera

G6.1 High-Frequency data Collection And Environmental Accounting
2:00 PM - 2:20 PM

Jeff Pope, Manager, Facility Decommissioning & Demolition Services, Burns & McDonnell

G6.2 End Of Life For A Power Plant - Cost Estimating & Evaluation
2:20 PM - 2:40 PM

Bill Green, Senior Vice President, GP Strategies

G6.3 Developing An Effective Asset Performance Management Program
2:40 PM - 3:00 PM

Carlos Mendizabal, President, Arete

G6.4 Risk-Based Portfolio Management RAP - Risk Assessment Profiler
3:00 PM - 3:20 PM

OPEN

AVAILABLE - SUBMIT ABSTRACT
3:20 PM - 3:40 PM






OPEN

AVAILABLE - SUBMIT ABSTRACT
3:40 PM - 4 PM





Session H1. ELG, CCR, CCP (Coal Combustion Products)

 <p>BLACK & VEATCH Michael Preston, Industrial Water Treatment Section Leader, Black & Veatch</p> <p>H1.1 ELG Update - What Now? 8 AM - 8:20 AM</p>	 <p>BURNS & McDONNELL Jason Eichenberger, CCR Business Unit Manager, Burns & McDonnell</p> <p>H1.2 Water And Ash Compliance: What Is New This Year? 8:20 AM - 8:40 AM</p>	 <p>UNITED CONVEYOR CORPORATION David Donkin, Manager, Wastewater Treatment Sales & Technology, United Conveyor Corporation</p> <p>H1.3 Managing Outage Wash Water Treatment With Existing 8:40 AM - 9:00 AM</p>
 <p>KOEN KOREA SOUTH-EAST POWER CO. Dong Won Park, Assistant Manager, KOEN (Korean South-East Power Co.)</p> <p>H1.4 Flow Analysis (CFD) Related To SCR Catalyst Abrasion And Ash Deposit 9:00 AM - 9:20 AM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:20 AM - 9:40 AM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:40 AM - 10 AM</p>

Session H2. CCR, CCP, COAL ASH, FGD

 <p>NAES Dale Timmons, Program Manager, NAES Corporation</p> <p>H2.1 Dense Slurry (Paste) Technology Achieves EPA Recognition 10:30 AM - 10:50 AM</p>	 <p>Geosyntec consultants Ben Amos, Senior Engineer, Geosyntec Consultants, Inc.</p> <p>H2.2 Case Study – Characterization and Remediation of CCR-Impacted Groundwater 10:50 AM - 11:10 AM</p>	 <p>BARR Tonia Johnson, Senior Geologist, Barr Engineering Company</p> <p>H2.3 It Is Never Too Late For An Alternative Source Demonstration 11:10 AM - 11:30 AM (PST)</p>
 <p>Profile Solutions for your Environment Marc Theisen, Vice President - Business Development and Technical Services, Profile Products LLC.</p> <p>H2.4 Engineered Soil Cover Systems For Sustainable CCR Closures 11:30 AM - 11:50 AM</p>	 <p>SEFA Robert Erwin, CCR Business Development, SEFA Group</p> <p>H2.5 Characterization Of CCP Impoundments To Determine Beneficials 11:50 AM - 12:10 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 12:10 PM - 12:30 PM</p>

Session H3. CCR MANAGEMENT & GROUNDWATER REMEDIATION

 <p>Geosyntec consultants Stephanie Jones, Environmental Engineer, Geosyntec Consultants</p> <p>H3.1 In Situ Flushing - A Counter-Intuitive Groundwater Remedy At CCR Sites 2:00 PM - 2:20 PM</p>	 <p>AECOM Mark Rokoff, Senior Vice President, AECOM</p> <p>H3.2 Change: The Only Consistency In CCR Management 2:20 PM - 2:40 PM</p>	 <p>GOLDER PJ Nolan, Project Geochemist, Golder Associates</p> <p>H3.3 Geochemical Modeling For Defensible CCR Remedy Selection 2:40 PM - 3:00 PM</p>
 <p>K&L GATES John Hagan, Partner, K&L Gates LLP.</p> <p>H3.4 Insurance Coverage For CCR Investigation And Remediation Costs 3:00 PM - 3:20 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:20 PM - 3:40 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:40 PM - 4 PM</p>

Session H4. WWT SYSTEMS, FGD, ELG

 <p>EVOQUA WATER TECHNOLOGIES Charles McCloskey, Vertical Market Manager - Power, Evoqua Water Technologies</p> <p>H4.1 Design And Operation Of Temporary & Permanent Low Volume WWT Systems 8 AM - 8:20 AM</p>	 <p>carbon clean David Bahr, Technology Manager, Carbon Clean Solutions USA, Inc.</p> <p>H4.2 Reduce CO2 Capture Footprint And Costs Through Process Intensification 8:20 AM - 8:40 AM</p>	 <p>McKIM & CREED Jonathan Shimko, Sr. Project Manager, McKim & Creed</p> <p>H4.3 Bottom Ash - Sluice Or Not To Sluice, That Seems To Be The Question? 8:40 AM - 9:00 AM</p>
<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:00 AM - 9:20 AM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:20 AM - 9:40 AM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:40 AM - 10 AM</p>



Session H5. CCR, CCP, ELG, COAL ASH, O&M

 <p>SEFA Robert Erwin, CCR Business Development, SEFA Group</p> <p>H5.1 Reclaiming And Recycling Coal Fly Ash For Beneficial Use 10:30 AM - 10:50 AM</p>	 <p>WatershedGeo Unearthing Solutions Ming Zhu, Director of Engineering, Watershed Geo</p> <p>H5.2 Performance Of Engineered Turf Cover Under Extreme Weather Conditions 10:50 AM - 11:10 AM</p>	 <p>purestream Clark Harrison, Director, Business Development, Purestream</p> <p>H5.3 Using Low-Quality Fly Ash For Wastewater Brine Encapsulation 11:10 AM - 11:30 AM (PST)</p>
 <p>suez Lanny Weimer, Market Development Manager, SUEZ Water Technologies & Solutions</p> <p>H5.4 Low Capital Cost FGD ELG Compliance Strategy 11:30 AM - 11:50 AM</p>	 <p>WaterSolve Gregg Lebster, President, WaterSolve</p> <p>H5.5 Considerations for Coal Combustion Residuals Management Using Geotextile Containers 11:50 AM - 12:10 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 12:10 PM - 12:30 PM</p>




Session H6. RARE EARTH FROM CCR, ISS, O&M

 <p>Alliance LLC Industrial Permanent Magnets Dan Vukovich, President, Alliance LLC.</p> <p>B3.1 On-Blade Gas Turbine Sensors for Real-Time Health Monitoring 2:00 PM - 2:20 PM</p>	 <p>SSI Tim Silar, Principal GeoScientist, Silar Services Inc.</p> <p>H6.2 In Situ Impoundment Closure And Groundwater Corrective Action Tech 2:20 PM - 2:40 PM</p>	 <p>RECON Remedial Construction Services, L.P. Dale Evans, Senior Director of Technology & Strategy, Remedial Construction Services, L.P. (RECON)</p> <p>H6.3 Engineered Construction Efforts For Wet Ash CCR Impoundments 2:40 PM - 3:00 PM</p>
<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:00 PM - 3:20 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:20 PM - 3:40 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:40 PM - 4 PM</p>

Session 11. WASTEWATER, GROUNDWATER, ELG, CCR

 <p>HEARTLAND WATER TECHNOLOGY Earl Jones, CEO, Heartland Water Technology</p> <p>11.1 Beneficial Use of Flare Gas for Heavy Oil Produced Water Treatment 8 AM - 8:20 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:00 AM - 9:20 AM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 8:20 AM - 8:40 AM</p>	 <p>FimoGraphs David Cox, President, FimoGraphs, LLC.</p> <p>11.3 Water Treatment Market Impacts Under The ELG Rule And CCR Closures 8:40 AM - 9:00 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:40 AM - 10 AM</p>
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Session 12. 316(B), ELG, FGD WASTEWATER MONITORING & MANAGEMENT

 <p>COOPER ENVIRONMENTAL Troy Pittenger, R&D Director, Cooper Environmental</p> <p>12.1 Multi-Metals Continuous Water Analyzer Based on ED-XRF 10:30 AM - 10:50 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 11:30 AM - 11:50 AM</p>	 <p>PSA Warren Corns, R&D Manager, PS Analytical</p> <p>12.2 Online Analysers for Mercury, Arsenic and Selenium: Exceeding the US 10:50 AM - 11:10 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 11:50 AM - 12:10 PM</p>	 <p>Jiawei Zhang, Business Development Manager, Key Accounts, Water and Laboratory Products</p> <p>12.3 Measurement, Control & Regulatory Challenges in Wastewater Biocide 11:10 AM - 11:30 AM (PST)</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 12:10 PM - 12:30 PM</p>
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Session 13. 316(B), COOLING TOWER

 <p>WAGNER TECHNOLOGIES LLC George Wagner II, CEO, Wagner Technologies, LLC.</p> <p>13.1 BSR-050 - A Novel High Capacity H2S Removal Media 2:00 PM - 2:20 PM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:00 PM - 3:20 PM</p>	 <p>SUEZ Peter Macios, Executive Product Manager, Suez Water Technologies and Solutions</p> <p>13.2 New And Novel No Phosphorous Cooling Water Treatment 2:20 PM - 2:40 PM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:20 PM - 3:40 PM</p>	 <p>Saltworks Geer Qile, Business Development Representative, Saltworks Technologies</p> <p>13.3 Novel Sensors & Processes To Reduce Cooling Tower Make-Up And Blowdown 2:40 PM - 3:00 PM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:40 PM - 4 PM</p>
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Session 14. 316 (B) WATER SUSTAINABILITY, DISPOSAL, PFAS, O&M

 <p>ATLAS SSI Ford Wall, Vice President of Sales, Atlas-SSI Inc.</p> <p>14.1 The Realities Of Installing EPA 316(b) Compliant Traveling Screens 8 AM - 8:20 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:00 AM - 9:20 AM</p>	 <p>SCS ENGINEERS Monte Markley, Vice President/Project Director, SCS Engineers</p> <p>14.2 Vehicle Grid Integration - Creating Value Through Managed EV Charging 8:20 AM - 8:40 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:20 AM - 9:40 AM</p>	 <p>BARR Nick Palatiello, Marketing Specialist, Barr Engineering Co.</p> <p>14.3 You've Got PFAS. How to Prepare, Dispose and Respond 8:40 AM - 9:00 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 9:40 AM - 10 AM</p>
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Session 15. 316(B) WATER SUSTAINABILITY, DISPOSAL, FGD, ALGAE, O&M

 <p>Carbonxt Regina Rodriguez, President, Carbonxt</p> <p>15.1 Effect Of Halogen Additives On Downstream City Water Treatment Plants 10:30 AM - 10:50 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 11:30 AM - 11:50 AM</p>	 <p>BURNS MCDONNELL Christopher Wiggins, Aquatic Ecologist, Burns & McDonnell</p> <p>15.2 Section 316(b) Optimization Study At Nearman Creek Power Station 10:50 AM - 11:10 AM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 11:50 AM - 12:10 PM</p>	 <p>ILLINOIS SUSTAINABLE TECHNOLOGY CENTER PRAIRIE RESEARCH INSTITUTE Nandakishore Rajagopalan, Associate Director, Illinois Sustainable Technology Center (ISTC).</p> <p>15.3 Energy Efficient Waste Heat Coupled Forward Osmosis For Effluent 11:10 AM - 11:30 AM (PST)</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 12:10 PM - 12:30 PM</p>
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Session 16. 316(B) WATER MANAGEMENT TECHNOLOGIES, ALGAE

 <p>Alyssa Calomeni, Scientist, EA Engineering, Science, and Technology, Inc., PBC</p> <p>16.1 Noxious Algae Strategic Mngmt For Energy And Electric Utilities 2:00 PM - 2:20 PM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:00 PM - 3:20 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 2:20 PM - 2:40 PM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:20 PM - 3:40 PM</p>	<p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 2:40 PM - 3:00 PM</p> <p>OPEN</p> <p>AVAILABLE - SUBMIT ABSTRACT 3:40 PM - 4 PM</p>
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Session J1. EV CHARGING INFRASTRUCTURE, EV GRID RATES, EV SCHOOL BUS

J1.1 Customer and Data to Drive EV Infrastructure. Jay Goldman, Chief Sales Officer, Recargo.

J1.2 Equipment Availability Issues Of Public Infrastructure. Rue Phillips, President, 365-Pronto LLC.

J1.3 EV Rate Structures: Landscape And Best Practices. Edward Burgess, Policy Director, Vehicle-Grid Integration Council.

J1.4 California Energy Commission School Bus. Tomas Ortiz, Air Resources Engineer, California Energy Commission.

J1.5 An Assessment Of Approaches To Reduce Bus. William Drier, Research Analyst, Navigant Research.

J1.6 EV Growing Pains: The Evolution of Electric Vehicles and Their Growing Impact on the Grid. Eric Mallia, General Manager, FleetCarma.

J1.1 Customer and Data to Drive EV Infrastructure. 8 AM - 8:20 AM.

J1.2 Equipment Availability Issues Of Public Infrastructure. 8:20 AM - 8:40 AM.

J1.3 EV Rate Structures: Landscape And Best Practices. 8:40 AM - 9:00 AM.

J1.4 California Energy Commission School Bus. 9:00 AM - 9:20 AM.

J1.5 An Assessment Of Approaches To Reduce Bus. 9:20 AM - 9:40 AM.

J1.6 EV Growing Pains: The Evolution of Electric Vehicles and Their Growing Impact on the Grid. 9:40 AM - 10 AM.

Session J4. EV CHARGING STRATEGIES, PARKING, CONSUMERS, CALEVIP

J4.1 Parking: Needed Mitigation, In Addition To Electrification. Michael Bullock, Transportation Advisor, Evolved Wireless Inc.

J4.2 Vehicle Grid Integration - Creating Value Through Managed EV Charging. Andrew Dillon, Senior Principal - EV Strategy, West Monroe Partners.

J4.3 California Electric Vehicle Infrastructure Project (CALEVIP). Brian Fauble, Energy Commission Specialist II, California Energy Commission.

J4.1 Parking: Needed Mitigation, In Addition To Electrification. 8 AM - 8:20 AM.

J4.2 Vehicle Grid Integration - Creating Value Through Managed EV Charging. 8:20 AM - 8:40 AM.

J4.3 California Electric Vehicle Infrastructure Project (CALEVIP). 8:40 AM - 9:00 AM.

J4.4 Evaluation Of A CA Utility Transportation Electrification Pilots. Ziga Ivanic, Transportation Program Director, Energetics.

J4.5 Leveraging Med/Heavy Duty Electric Vehicle And DC Charging Incentives. Stephanie McGreevy, Regional Sales Manager, Greenlots.

J4.6 Maximizing EV Infrastructure Investments. Lauren Burke, Senior Director, Marketing and Development, Enel X.

Session J2. WIRELESS CHARGING, EV & UTILITY BATTERY

J2.1 Wireless Charging For EV Fleet Applications. Tom Okada, Executive Director, Business Development, WiTricity Corporation.

J2.2 Open Induction Wireless Concept. Jeremy D Higgs, Lead Interface Programmer and Energy Theorist, NetDiatom.

J2.3 Is TPPL The Battery Bridge To Lithium?. Jeremy Cordray, Director of Technical Sales, EnerSys.

J2.1 Wireless Charging For EV Fleet Applications. 10:30 AM - 10:50 AM.

J2.2 Open Induction Wireless Concept. 10:50 AM - 11:10 AM.

J2.3 Is TPPL The Battery Bridge To Lithium?. 11:10 AM - 11:30 AM (PST).

J2.4 A Dream Battery For Electric Vehicles Come True. Hector Ruiz, Innovation Director, Alto Rendimiento Automotríz.

J2.5 How New Advanced Technology Electric Utility Vehicles Can Play a Part in Your Fleet. Jeff Efseld, Director National Fleet Sales & Business Dvelopment, Tropos Technologies, Inc.

J2.6 Best Practices for Partnering with Utilities on Your Transportation Electrification Initiatives. Nicole Alarcon, Vice President, Program Development, C2 Group.

Session J5. EV FLEETS MANAGEMENT, CHARGING, GRID RESOURCE, E-MOBILITY

J5.1 Strategies For Transitioning To Electric Vehicle Fleets. Muffi Ghadiali, CEO, Electriphi Inc.

J5.2 Leveraging Artificial Intelligence (AI) To Optimize EV Fleet Charging. Francois Odouard, General Manager, BluWave-ai.

J5.3 The Future Of Electric Vehicles As A Grid Resource. David Schlosberg, VP, Energy Market Operations, Enel X.

J5.1 Strategies For Transitioning To Electric Vehicle Fleets. 10:30 AM - 10:50 AM.

J5.2 Leveraging Artificial Intelligence (AI) To Optimize EV Fleet Charging. 10:50 AM - 11:10 AM.

J5.3 The Future Of Electric Vehicles As A Grid Resource. 11:10 AM - 11:30 AM (PST).

J5.4 EV Fleet Total Cost Of Ownership - How To Validate EV Savings. Andrew Dillon, Senior Principal, West Monroe Partners.

J5.5 E-Mobility, on the Road to 2030. Aurelien Guichard, Senior Manager, Arthur D. Little, Inc.

J5.6 Electric Vehicle Components Testing & Standards. Brian Hsu, Product Marketing Manager, AC Power Corp. (Preen).

Session J3. E-MOBILITY, FUEL CELLS, H2, GAS CYLINDERS, CARB, LCFS, VERIFICATION

J3.1 Consideration Of A Risk Matrix For Grid-Level Battery Finance. Clifford Sikora, Partner, Troutman Sanders.

J3.2 Fuel Cell And Hydrogen: A Compelling Value Proposition. Bawa Daljit, Market Manager, Ballard Power Systems.

J3.3 Ultra-High Energy Lithium Battery For EV And Aerospace Applications. Yuriy Mikhaylik, Technical Fellow and Senior Director of Materials Development, Sion Power.

J3.1 Consideration Of A Risk Matrix For Grid-Level Battery Finance. 2:00 PM - 2:20 PM.

J3.2 Fuel Cell And Hydrogen: A Compelling Value Proposition. 2:20 PM - 2:40 PM.

J3.3 Ultra-High Energy Lithium Battery For EV And Aerospace Applications. 2:40 PM - 3:00 PM.

J3.4 Avoid Hydrogen Pre-Chilling With High Temperature Composite Cylinders. John Coursen, Regulatory Compliance Manager, Worthington Industries.

J3.5 LCFS Verification & Validation. Jillian Blanchard, Manager, Weaver & Tidwell.

J3.6 Transforming Terminal Infrastructure: The Push To Zero Emissions. Fred Patricio, Project Manager, Port of Long Beach.

Session J6. EV CHARGING INFRASTRUCTURE, GRID, TESTING, FLEET

J6.1 Simplifying EVC Deployment With Composite. Stephen Skiest, Market Development Manager, Charles Industries.

J6.2 A Scalable Approach To Deployment Of The EV Charging Infrastructure. Oleg Logvinov, President and CEO, IoTecha.

J6.3 Vehicle To Grid Integration: Valuing Opportunities And Assessing. Matt Owens, Business Development Executive, West Monroe Partners.

J6.1 Simplifying EVC Deployment With Composite. 2:00 PM - 2:20 PM.

J6.2 A Scalable Approach To Deployment Of The EV Charging Infrastructure. 2:20 PM - 2:40 PM.

J6.3 Vehicle To Grid Integration: Valuing Opportunities And Assessing. 2:40 PM - 3:00 PM.

J6.4 Washington Maritime Blue: DCarbonization. Matt Koenig, Principal, Business Development - DER & Energy Storage, DNV GL.

J6.5 FTIR Analysis of Battery Thermal Runaway. Roberto Bosco, Senior Product Marketing Manager, MKS Instruments.

J6.6 Accurate Power and Fault Measurements for Charging Station and On Board Charger Development. Mitchell Marks, Senior Product Marketing Manager, HBK.