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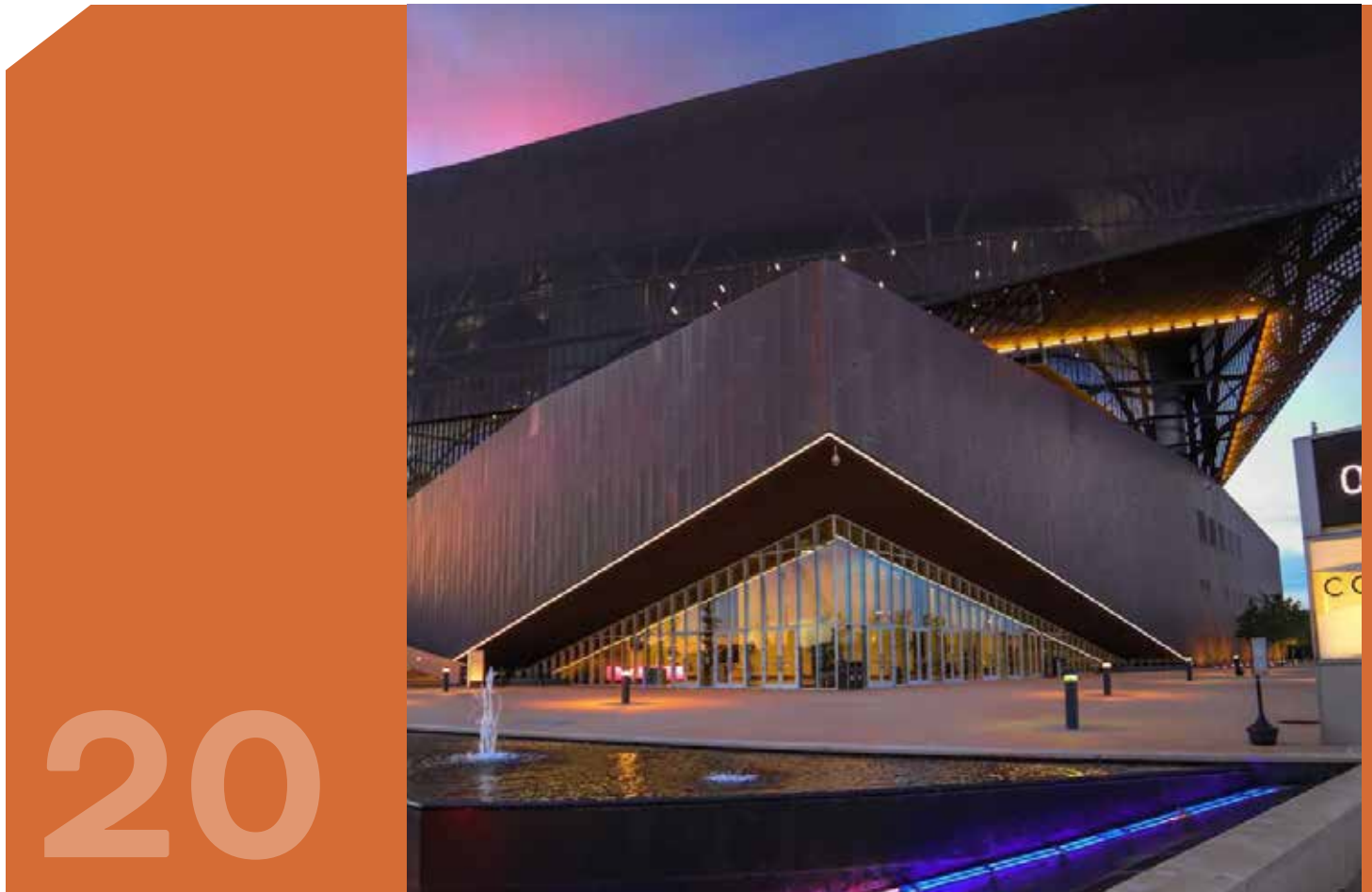
26th Annual  
**EUEC2024**  
ENERGY, UTILITY & ENVIRONMENT CONFERENCE  
FEBRUARY 13-15, 2024 | DALLAS, TEXAS

ENERGY UTILITY ENVIRONMENT CONFERENCE & **CHARGE EXPO**

# Program Guide

IRVING CONVENTION CENTER | FEBRUARY 13-15, 2024

500 W LAS COLINAS BLVD., IRVING, TX 75039



20

24

Held in conjunction with

  
**ChargeExpo.com**  
EV-CHARGING - BATTERY - FLEET - TE  
February 13-15, 2024 | Dallas, Texas.

# TWO CONFERENCES **CONNECTING** UTILITIES & EVS

## Why Attend?

For 26 years, EUEC brought together professionals in the energy, utilities and environment sectors.

The gathering facilitates an information exchange between industry and regulators that fosters cooperation to find solutions to protect our environment and energy security.

## 01

### CONNECTING EV & ELECTRIC UTILITIES

The Joint Conference of EUEC 2024 & Charge Expo is the only place where Electric Utility & Transportation Electrification professionals come together to discuss the future of our evolving industries.

## KEYNOTE SPEAKERS

February 13, 2024 | 3 pm to 5 pm | Irving Convention Center | Exhibit Hall



### Charles E. Bayless

Chairman, President, & CEO of Tucson Electric Power, President & CEO, Illinois Power (former)

Sustainable Energy Policy & Climate Change: Impacts on Electric Utilities



### Meredith Hankins

Sr. Attorney, Climate & Clean Energy Program - Natural Resources Defense Council

EPA Power Plant Carbon Standards are Built to last



### Thomas A Sarkus

Science & Technology Strategic Plans & Programs, US Department of Energy, National Energy Technology Lab



Major Technology Demonstration Projects at the National Energy Technology Laboratory: Past & Future



### Prabhu Dayal

Chairman, EUEC & Charge Expo; Founder & CEO, CTrade; Director Environment., Tucson Electric Power; Env. Engineer, El Paso Natural Gas (former)



Welcome and Introductions. Highlights of EUEC 2024 & Charge Expo

## CONFERENCE SERVICE AWARD

EUEC will honor two advisory board members for their 25-years of service to the EUEC community.



### John Kinsman

Edison Electric Institute (former)



### Gale Hoffnagle

SVP and Technical Director at TRC Environmental Corporation TRC

## WELCOME RECEPTION EXHIBIT HALL

February 13, 2024 | 5 pm to 7 pm | Irving Convention Center | Exhibit Hall

## 02

### NETWORK WITH PEERS

The conference's ten tracks allow attendees to interact with peers and other industry experts in a broad range of current industry trends.

## 03

### GAIN INDUSTRY INSIGHTS

Our collection of speakers offer a varied perspective of issues facing the energy, utilities, and environmental sectors; attendees also have the opportunity to earn continuing education units.

## 04

### INTERACT WITH INDUSTRY LEADERS

With a more than 25 year track record of facilitating discussion among industry leaders, the EUEC network provides a vast level of expertise and perspectives.

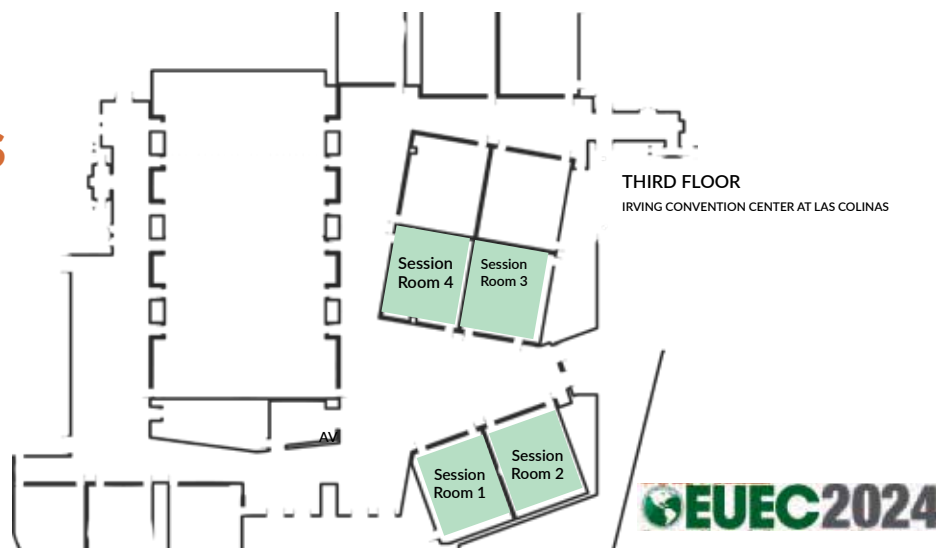
## SCHEDULE AT A GLANCE

### 4 CONCURRENT TRACKS

Tuesday, Feb 13, 2024	Wednesday, Feb 14, 2024	Thursday, Feb 15, 2024
7:30 AM	Room 1 A1	Room 1 D1
9:30 AM	Room 2 B1	Room 2 E1
break	Room 3 H1	Room 3 F1
10:00 AM	Room 4 J1	Room 4 I1
12:00 AM	Networking Break 9:30 am - 10:00 am	
lunch	A2	D2
1:00 PM	B2	E2
3:00 PM	H2	F2
break	J2	I2
3:30 PM	Networking Lunch 12 pm - 1 pm	
5:50 PM	Room 1 A3	Room 1 D3
5:00 PM	Room 2 B3	Room 2 E3
7:00 PM	Room 3 H3	Room 3 F3
	Room 4 J3	Room 4 .....
	Networking Break 3 pm - 3:30 pm	
	A4	C
	B4	G
	H4	F4
	J4	.....
	Networking Reception 5 pm - 7 pm	
	Exhibitor Move out 3 pm - 5 pm	

## TEN TRACKS IN FOUR CONCURRENT SESSIONS

Our conference program is organized around ten specialized industry tracks that cater to a broad range of electric utility professionals. With four concurrent sessions, attendees can customize their conference experience.



## ROOM 4 TRACK J – WEDNESDAY, FEBRUARY 14, 2024 | CHARGE EXPO



CHARGE EXPO provides speaking and exhibit opportunities for suppliers of EV charging stations, infrastructure, batteries & storage, utility fleet for Zero Emission Vehicles (ZEV) & Alternate Fuel Vehicles (AFV) and Transportation Electrification.

CHARGE EXPO Sessions are presented in Track J Room 4 on Wednesday February 14th

- Revolutionizing Electric Vehicle Infrastructure: Smart Load Management and Future Innovations to Propel Economic Advantages
- Site Design & Subsurface Damage Prevention in the EV marketplace
- Revenue stacking your EV Charging Site with Battery Storage

**J1**  
**CHARGING**

- EV & DC FAST CHARGING INFRASTRUCTURE
- EV EQUIPMENT SUPPLY
- WIRELESS & AUTONOMOUS EV, FLEX & HI POWER CHARGING
- RESIDENTIAL & APPTS, COMMERCIAL CHARGING
- E-MOBILITY, EVS & HEVS
- REMOTE DATA ACQUISITION, MICRO & POWER GRID, METERING

**J2**  
**BATTERY**

- ADVANCED BATTERY, SUPER CAPACITORS, BMS/ADVANCED BATTERY
- FUEL CELLS, LI-ION, H2, SAFETY
- SUPPLY CHAIN & OEM SUPPLY, WIRELESS HARNESS & CABLES/AFV, ZEV, CNG
- TEST BENCHES & ENV TESTING, CALIBRATION & SAFETY
- TRANSFORMER, INVERTER, & PV
- VOLTAGE & RELAY PROTECTION, CHARGES & PROTOTYPES

**J3**  
**TRANSPORTATION ELECTRIFICATION**

- ALTERNATE & ZERO EMISSION VEHICLES, CNG, LNG, NATURAL GAS/CNG, LNG, NATURAL GAS
- CLEAN TRUCKS, BUSES & FLEET/RENEWABLE FUELS
- LI-ION, PROPANE, H2 FUEL CELL/SOLAR & ENERGY STORAGE
- RENEWABLE FUELS
- TRANSPORTATION ELECTRIFICATION, INCENTIVES & REBATES
- FUEL MANAGEMENT SYSTEMS, GAS CYLINDERS & SAFETY

**J4**  
**FLEET**

- FLEET MANAGEMENT, EV STRATEGIES, E-MOBILITY
- EV, PHEV, HYBRID, SUSTAINABILITY
- ULTRA CLEAN LD/MD/HD, TRANSIT SCHOOL BUSES, TRUCKS
- UTILITY FLEET, O&M SOFTWARE, AUTO OEM INTEGRATIONS
- PV CONTROL SYSTEMS, POWER DISTRIBUTION EQUIPMENT
- OFF-ROAD EV, FORK LIFTS, GOLF CARTS, EV PARKING EQUIPMENT



EUEC 2024 program has been consolidated to have only four concurrent tracks on both days.  
**EUEC Sessions presented in 4 Tracks**

EUEC 2024 program lists the speakers in 4 concurrent rooms for tracks A, B, H and J on Wednesday February 14 th.

**TRACK A: Utility Policy Regulations Strategies**

**TRACK B: CEMS, Monitoring & Modeling**

**TRACK C/D: Power Gen, Energy, T&D**

**TRACK E/G: Climate, Carbon, EHS, Fire Safety**

**TRACK F: Renewable Energy, Storage, H2 Grid**

**TRACK H: Coal, CCR, ELR, CCP**

**TRACK I: H2O, WWM, Ash Ponds Remediation**

## SCHEDULE

<b>TUESDAY</b> <b>FEBRUARY</b> <b>13</b> <b>2024</b>	9:00 AM – 3:00 PM	<b>EXHIBIT SET-UP</b>
	3:00 PM – 5:00 PM	<b>KEYNOTE PANEL</b>
	5:00 PM – 7:00 PM	<b>EXHIBIT RECEPTION</b>
.....		
<b>WEDNESDAY</b> <b>FEBRUARY</b> <b>14</b> <b>2024</b>	7:30 AM – 12:00 PM	<b>TECH MEETINGS</b>
	12:00 PM – 1:00 PM	<b>EXHIBIT LUNCH</b>
	1:00 PM – 5:00 PM	<b>TECH MEETINGS</b>
	5:00 PM – 7:00 PM	<b>EXHIBIT RECEPTION</b>
.....		
<b>THURSDAY</b> <b>FEBRUARY</b> <b>15</b> <b>2024</b>	7:30 AM – 12:00 PM	<b>TECH MEETINGS</b>
	12:00 PM – 1:00 PM	<b>EXHIBIT LUNCH</b>
	1:00 PM – 5:00 PM	<b>TECH MEETINGS</b>
	3:00 PM	<b>EXHIBIT TEAR DOWN</b>

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## SPEAKER GUIDELINES

Each speaker room has a podium, laptop, and projector pre-set for speaker presentations.

- Speakers introduce themselves
- Speakers bring final PPT on a USB flash drive to load on Podium PC
- We recommend arriving 30 minutes in advance of your session
- Presentation is limited to 15 minute speaking + 5 minutes Q&A

Speakers are requested to upload a backup copy of PPT presentation in advance at this link: [EUEC 2024 Speaker Presentation upload](#).

## SESSION CHAIR RESPONSABILITIES

The Chair is responsible for keeping the session and its speakers running on time (20 minutes each) and moderate Q&A during any remaining time at the end of the session.



# ROOM 1 TRACK A – WEDNESDAY, FEBRUARY 14, 2024

## UTILITY POLICY REGS, STRATEGIES, PERMITS, COMPLIANCE

A1

T & D | Grid | Modernization | Reliability |  
Decarbonization | Efficiency | Energy Savings

Feb 14 (7:30 – 9:30 am)



CHARLIE BAYLESS  
(CHAIR)

CHAIRMAN & CEO OF TEP AND  
ILLINOIS POWER (FORMER)



JASON HUANG

CEO, TS CONDUCTOR -  
ELECTRICITY DELIVERED BETTER



TERRY DONNELLY

PRESIDENT AND COO, COMED  
(FORMER)



ALI AMIRALI

SENIOR, VICE PRESIDENT, LOTUS  
INFRASTRUCTURE GLOBAL/  
STARWOOD ENERGY GROUP

A2

Utility Policy Regulation Strategies

Feb 14 (10 am -12 pm)



JOHN KINSMAN  
(CHAIR)

ENVIRONMENTAL JUSTICE, AIR  
AND CLIMATE LANDSCAPE



ERIC HISER

BIDEN EPA'S SOURCE SPECIFIC  
DETERMINATIONS



MEREDITH HANKINS

EPA'S POWER PLANT CARBON  
STANDARDS ARE BUILT TO LAST



TOM SARKUS

SOLUTIONS FOR TODAY |  
OPTIONS FOR TOMORROW

A3

Modeling | CAA | Rules | for Electric Utilities

Feb 14 ( 1 pm to 3 pm)



GALE HOFFNAGLE  
(CHAIR)

ADVANCES IN REGULATORY AIR  
QUALITY MODELING



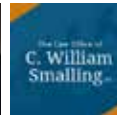
JAMES W. BEERS

REGIONAL HAZE ROUND TWO:  
SECOND VERSE, SAME AS THE  
FIRST?



MADI LOTTEBACH

NAVIGATING FCC & FAA RULES FOR  
WIRELESS SYSTEMS BY ELECTRIC  
UTILITIES



WILLIAM SMALLING

STREAMLINING THE CAA - HOW IT  
CAN HELP THE ADMINISTRATION

A4

Utility Strategies | T&D | Poles | Green Energy |

Feb 14 ( 3:30 - 5:30 pm)



CHAD HERING  
(CHAIR)

REDUCE ENVIRONMENTAL  
IMPACTS OF OVERHEAD  
STRUCTURES



CHRIS JORGENSEN

ENVIRONMENTAL PERMITTING  
AND SITING FOR RENEWABLE  
UTILITIES



ANTHONY CIRILLO

WHEN GOING GREEN TURNS TO  
RED



DAVOUD ZAMANI

REIMAGINING GRID  
SUSTAINABILITY: RESTORING  
UTILITY POLES FOR A RESILIENT  
FUTURE

# ROOM 2 TRACK B – WEDNESDAY, FEBRUARY 14, 2024

## CEMS, EMISSION TESTING, MONITORING, MODELING, REMOTE SENSING

### B1 CEMS | Sampling | Emissions | FTIR | Monitoring

Feb 14 ( 7:30 – 9:30 am)



BOB BERTIK (CHAIR)

CEM SAMPLE SYSTEMS



VICTORIA BREWSTER

SILOXANE SAMPLING METHODS:  
ONLINE VS OFFLINE



OTTO HIRSCH (CO-CHAIR)

HEATED SAMPLE LINES – CRITICAL  
PATHWAY LINK TO COMPLIANCE



BLAKE ERICSON

GENERATING HIGHLY RELIABLE  
FTIR FIELD DATA WITH QUALITY  
ASSURANCE, ACCURACY, AND  
VALIDATION



SANG-SUP LEE

EMISSION OF CONDENSABLE  
PARTICULATE MATTER FROM  
COAL COMBUSTION

### B2 PEMS | CEMs | AQ | Monitoring | Modeling

Feb 14 ( 10 am – 12 pm)



BRIAN SWANSON

PEMS FOR COST EFFECTIVE  
MONITORING GHG EMISSION  
RATES



RANDALL BAXTER

COMMUNITY MONITORING  
HEXAVALENT CHROMIUM – THE  
CITY OF PARAMOUNT



MATT VARGAS

NEXT GENERATION BENZENE  
MONITORING WITH PYXISGC BTX



VAHID MIRSAIEDI

CONTINUOUS MEASUREMENT OF  
PARTICULATE EMISSIONS AT  
STACK



JOHN WAGLE (CO-CHAIR)

DYNAMIC PLUME MODELING TO  
PREPARE & RESPOND TO  
CHEMICAL EMERGENCIES

### B3 Air Quality | Modeling | Monitoring | Drones

Feb 14 ( 1 – 3 pm)



STEPHEN BEENE

INFLATION REDUCTION ACT (IRA)  
AND EPA REGS ON POWER SECTOR  
MODELING USING INTEGRATED  
PLANNING MODEL (IPM)



ROBERTO SAN JOSE

CO2 SIMULATIONS WITH WRF-  
VPRM FOR CMIP6 CLIMATE  
SCENARIOS



DAVID RYAN

MATHEMATICS OF DRONES



INWOOCHOI,  
JIHOONSEO  
JONGSOHN

MICROPLASTIC FROM FACIAL  
MASKS AND ITS INHALATION  
EXPOSURE



JITHIN  
KANAYANKOTTUPOYIL

AIR QUALITY MANAGEMENT IN  
DALLAS AND FORT WORTH: A  
MULTI-DECADAL ENVIRONMENTAL  
PERSPECTIVE

### B4 NOX | Testing | Control | Sensors

Feb 14 ( 3:30 – 5:30 pm)



TOM MCKARNS  
(CHAIR)

TIPS FOR BETTER NOX  
MEASUREMENTS AT POWER  
PLANTS



KEVIN DOUGHERTY

NOX REDUCTION FOR EPA GOOD  
NEIGHBOR RULE



LORAN NOVACEK

AERINOX SCR NOX REDUCTION  
SYSTEM



KEITH BRAND

COMMON PUMP BEARING  
PROBLEMS AND HOW TO SOLVE  
THEM

# ROOM 1 TRACK C+D – THURSDAY, FEBRUARY 15, 2024

## POWER GEN, TENS, AI, CYBER SECURITY, SUSTAINABILITY

D1

Flexability | Cyber | Grid | AI

Feb 15 (7:30 – 9:30 am)



JAKE TUTTLE

FLEXIBLE OPERATIONS AND EFFICIENCY & EMISSIONS IMPROVEMENT THROUGH INTELLIGENT DYNAMIC OPTIMIZATION AND EXPERT KNOWLEDGE CAPTURE



BRUCE OGDEN

OPERATIONAL EXCELLENCE PROGRAM



SCOTT PFEIFFER

ARTIFICIAL INTELLIGENCE SUPPORTING ACTIONABLE SUSTAINABLE DEVELOPMENT



JOSEPH EBERLY

THE USE OF AI TECHNOLOGY FOR MAPPING UTILITIES AT SCALE



ALEX DELY

OPTIMIZING GRID PERFORMANCE, SECURITY AND CYBER RESILIENCE THROUGH USE OF HETEROGENEOUS PHOTONIC INTEGRATED CIRCUIT TECHNOLOGY

D2

Power Gen | Mercury | AI |

Feb 15 (10 am – 12 pm)



RAMESH NARASIMHAN

ENABLING SUSTAINABILITY AND REGULATORY COMPLIANCE: DATA MANAGEMENT AND DIGITAL SOLUTIONS



PHIL ZERINGUE

TRANSFORMING UTILITIES WITH AI: A ROADMAP TO ENHANCED EFFICIENCY AND COST REDUCTIONS



DANIEL BARBERSEK

POWER GENERATION, NATURAL GAS, DIESEL FUEL, POWER STORAGE



MADS KIRK LARSEN

HAZE AND MERCURY REDUCTION FROM COAL FIRED POWER PLANTS



HONG-SHIG-SHIM

FULL-SCALE DEMONSTRATION OF MULTI-PROCESS SENSOR AT A CYCLING PC-FIRED BOILER

D3

TENs | Thermal Energy Networks

Feb 15 (1 – 3 pm)



WILL LANGE (CHAIR)

THERMAL ENERGY NETWORKS: THE NEXT UTILITY



ERIC BOSWORTH

UTILITY & POLICY – EVERSOURCE ENERGY



JONATHAN HERNANDEZ

BRIGHTCORE ENERGY TENS ENGINEERING & DESIGN



AUDREY SCHULMAN

ADVOCACY & LEADERSHIP -HEET- (HOME ENERGY EFFICIENCYTEAM)

C

PowerGen | Steam | Turbines | Sustainability

Feb 15th (3:30 – 5 pm)



ADAM NEIL

OPTIMIZATION OF A STEAM TURBINE FOR MECHANICAL DRIVE APPLICATIONS



MARK ALDRICH

ON-SITE GENERATION – SUSTAINABILITY AND INFRASTRUCTURE



MUHAMMAD RIAZ

STEAM TURBINE UPGRADE OPTIONS WITH RESPECT TO HEAT RATE IMPROVEMENT



DANIEL FREEBERN

STEAM HP BYPASS VALVES AND THE EFFECTS ON YOUR SYSTEM WHEN CYCLING.



JAISEN MODY

EXPLORING STEP UP TRANSFORMER CHALLENGES TO ACCOMMODATE PV AND STORAGE



# ROOM 2 TRACK E+G – THURSDAY, FEBRUARY 15, 2024

GREEN, CLIMATE, CO2 CAPTURE, ESG, ENV. JUSTICE, MSW, LFG, RNG,

E1

RNG | Carbon Footprint | Nuclear

Feb 15 (7:30 – 9:30 am)



STEVE LINEHAN

RENEWABLE NATURAL GAS FROM SWINE WASTE



CHAD HERING

REDUCE ENVIRONMENTAL IMPACTS OF OVERHEAD STRUCTURES



GREG DEMMITT

APPLYING FRAMES TO CLARIFY ISSUES AND MANAGE CONFLICT



JOHN CHAPMAN (CO-CHAIR)

REGULATORY HURDLES FOR HYBRID NUCLEAR-NATURAL GAS PERMITTING

E2

Green | Carbon Capture | Neutrality | CO2 Neutrality

Feb 15 ( 10 am – 12pm)



HAL FALLS

EU CARBON BORDER ADJUSTMENT MECHANISM IMPACTS ON US EXPORTERS



ALENA DOWNING

CO2 CAPTURE READINESS: PLANNING FOR THE FUTURE OF FOSSIL POWER



BAPANAIH PENUGONDA & KOREY BROAD

SUSTAINABILITY MAKING A GREENER NYU



STEVEN DRIVER

MAINTAINING MOMENTUM TO CARBON NEUTRALITY



ROBERT RICHARDSON

GREEN CAPTURE AND REPURPOSE OF CO2

E3

Environmental Justice | ESG | EHS | ESG | Energy | Food Nexus

Feb 15 ( 1 pm- 3 pm)



MELVIN STROBLE

ENVIRONMENTAL JUSTICE CONSIDERATIONS IN THE TRANSITION TO NATURAL GAS AND RENEWABLES ENERGY



ERIC COREY FREED

LEADING THE WAY: CONSTRUCTION'S PIONEERING ROLE IN CLIMATE ADAPTATION



KHALED FUSTOK

SYNERGIZING EHS AND ESG: STRATEGIES FOR OPTIMIZING ORGANIZATIONAL PERFORMANCE



MAURY GASTON

SUPPORTING THE HEART OF THE WATER – ENERGY – FOOD NEXUS



ANITHA SUBBURAJ

MODELING RENEWABLE ENERGY SYSTEM FOR IRRIGATED AGRICULTURE FARMS IN THE UNITED STATES

Track G is moved to (E4): Decommissioning, Wildfire, Risk, EHS, EMS

G

Decommissioning | Hazard Awareness | Wildfire | Risk | Fire Resistant Fluids

Feb 15 (3:30 – 5pm)



JEFF POPE

DECOMMISSIONING & DEMOLITION FOR POWER PLANTS



FRANK BODAMI

POWER PLANT CLOSURE & DEMOLITION: COST, SAFETY AND INHERENT RISKS



SEAN WILSON

CONNECTING THE DESKTOP TO THE FIELD FOR BETTER RISK AND HAZARD AWARENESS AT JOB SITES



MIKE WILSON

AI WILDFIRE DETECTION & ALL-HAZARD CAMERA PLATFORM – PROTECTING YOUR ASSETS AND THE ENVIRONMENT



ZHIIHAO CHEN

FYRQUEL® PHOSPHATE ESTER, THE SELF-EXTINGUISHING FIRE-RESISTANT HYDRAULIC FLUID

# ROOM 3 TRACK F – THURSDAY, FEBRUARY 15, 2024

## RENEWABLE ENERGY, STORAGE, EFFICIENCY, PV, SOLAR, WIND, H2

F1

EPA Grants | Financing | Investment

Feb 15 (7:30 – 9:30 am)



olsson

NICK STEINKE

EPA'S CLIMATE POLLUTION  
REDUCTION GRANT PLANNING AND  
IMPLEMENTATION GRANT  
PROGRAM



EXIM  
EXPORT-IMPORT BANK  
OF THE UNITED STATES

CRAIG O'CONNOR

FINANCING RENEWABLE  
ENERGY & ENERGY STORAGE  
PROJECTS



M

NEDIA MILLER

INVESTMENT STRATEGIES FOR  
ENV. MKTS UNDER CURRENT  
STATE OF NEW REBS



STRATIVIA  
SUSTAINABLE INNOVATION GROUP

ALISON WISE  
(COCHAIR)

INNOVATION INFRASTRUCTURE-  
BIOMIMICRY AND RESILIENCE IN  
INNOVATION



POWER  
ENGINEERS

BRIAN PETERMANN  
CHAIR

MAKING DOLLARS AND SENSE OF  
THE 2022 IRA TAX CREDITS FOR  
CLEAN ENERGY

F2

Hydrogen | Nuclear | Virtual Power Plant |

Feb 15 ( 10 – 12 pm)



WT

JOSHUA PARTHEEPAN

TECHNO-ECONOMICAL STUDY ON  
REPLACING CONVENTIONAL  
POWER PLANTS WITH HYDROGEN  
ENERGY STORAGE SYSTEM



SmartPower  
ENERGY STORAGE SOLUTIONS

BRIAN KEANE

PREPARING FOR THE VIRTUAL  
POWER PLANT: SOLARIZING AT  
WORK



GE

JOHN CHAPMAN

NEW SUB-CRITICAL HYBRID  
NUCLEAR REACTOR



BURNS  
MCDONNELL

BEN ECHEVERRIA

REGULATIONS AND COMPLIANCE

F3

Solar PV | Siting | Regulations | Recycling

Feb 15 ( 1 pm – 3pm)



DWIGHT CLARK

SOLAR MODULE RECYCLING AT  
UTILITY SCALE



ENTRIES  
SOLAR THERMAL

MARK HAUSTEIN

CAN SOLAR THERMAL CLOSE THE  
RELIABILITY GAP?



Hillier  
CORPORATION

BOBBY RUIZ

UPDATES TO EXPLOSION HAZARDS  
FOR LARGE SCALE BATTERY  
STORAGE SYSTEMS



WIND  
ENERGY

JARED STRAUSS

AIR REGULATORY  
CONSIDERATIONS FOR  
RETROFITTING COMBUSTION  
TURBINES FOR HYDROGEN CO-  
FIRING

F4

Solar | Battery | Storage

Feb 15 (3:30 – 5 pm)



Redtree

JACINTO SANCHEZ

HOW TO EFFECTIVELY SCALE-  
UP FIRST OF A KIND  
TECHNOLOGY



INL  
Idaho National  
Laboratory

MUCUN SUN

FLOATING PV IN U.S.  
RESERVOIRS: REGULATORY,  
ENVIRONMENTAL, &  
ECONOMIC POTENTIAL



Waste  
Technologies

MOINUDDIN SARKER

CIRCULAR ECONOMY AND WASTE  
MANAGEMENT: SUSTAINABLE  
RESOURCE UTILIZATION



JAISEN MODY

HYDROGEN FUEL: OPPORTUNITIES  
AND CHALLENGES

# ROOM 3 TRACK H – WEDNESDAY, FEBRUARY 14, 2024

CCR, CCS, ELG, COAL ASH, SWM, O&M, DDD, EHS, FIRE SAFETY, RISK

H1

Coal Ash | CCR | CCS | SWM

Feb14 (7:30 -9:30 am)



THOMAS ADAMS

RECENT DEVELOPMENTS IN SCM SUPPLY



CHRIS-VANDERVORT

DOE ARPA-E FLEXIBLE CARBON CAPTURE AND STORAGE (FLECCS) PROGRAM



SYLVAIN PAYNE GAGNON

SLURRY WALLS FOR HYDRAULIC CONTROL AT CCR SITES



DAN CHARTIER

UTILITY SOLID WASTE REGULATORY ISSUES

H2

CCR | CCP Harvesting | Concrete Domes

Fb 14 (10 am – 12 pm)



MARK ROKOFF

SETTING THE STAGE: PROPOSED LEGACY CCR SURFACE IMPOUNDMENT RULE



STEVE SULLIVAN

BENEFICIATION OF HARVESTED FLY ASH USING A TRIBOELECTRIC BELT SEPARATOR



RANDALL STREMMEL

BENEFICIAL REUSE OF CCR TO MANUFACTURE LEED CONSTRUCTION MATERIAL WITHOUT CREATING ANOTHER WASTE STREAM



TED PARKINSON

COST-EFFECTIVE, GREEN, CONCRETE DOMES FOR BULK STORAGE OF CCPS

H3

CCR | CCP | Risk Assessment | Rules | Closures

Feb 14 (1 pm – 3 pm)



DAVID DONKIN

MANAGING OUTAGE WASH WATER TREATMENT WITH EXISTING INFRASTRUCTURE



JIM AIKEN

UPDATE ON EPA PART A, PART B, AND CONSENT ORDER DETERMINATIONS WITH APPLICATIONS FOR CCR LEGACY RULE



JARROD RICE

SOLIDS SEPARATION A NOVEL APPROACH TO CCR CLOSURE



ALEJANDRA CABRERA

MULTI-GAS FTIR MONITORING IN CARBON CAPTURE PROCESSES



MO BALAPOUR

A TECHNOLOGY TO RECYCLE OFF-SPEC CCPS INTO CONSTRUCTION LIGHTWEIGHT AGGREGATE

H4

CCR | Closures | Solidification

Feb 14 (3:30-5:30 pm)



DON FULLER II

CCR UNIT CLOSURE 2024 – ENGINEERING AND CONSTRUCTION MANAGEMENT STRAIGHT TALK



TIM SILAR (CHAIR)

DISCRETE IN-SITU SOLIDIFICATION OF CCR IMPOUNDMENTS



STEVE PUTRICH

CCR CORRECTIVE MEASURES/REMEDIES – SMART IMPLEMENTATION STRATEGIES 2024



CURTIS WILIE

COAL ASH AS A PRODUCTION ENHANCEMENT FOR OIL AND GAS PRODUCTION

# ROOM 4 TRACK I – THURSDAY, FEBRUARY 15, 2024

## WATER, 316(B), WWM, ASH PONDS, LINERS, REMEDIATION, ELG, FGD

I1

CCR | Impoundments | ZLD | LSA | Remediation

Feb 15 ( 7:30 – 9:30 am)



DAVID DONKIN  
(CHAIR)

MANAGING OUTAGE WASH WATER  
TREATMENT WITH EXISTING  
INFRASTRUCTURE



SCOTT HOLDER

ZERO LIQUID DISCHARGE AN  
INTEGRATED SOLUTION FOR  
THE POWER INDUSTRY



MATTHEW BIEGA

A COMPARATIVE LIFE CYCLE  
ASSESSMENT OF CORRECTIVE  
ACTION ALTERNATIVES TO  
EVALUATE SUSTAINABLE  
REMEDATION



MONTE MARKLEY

THE BASICS OF DEEP WELL  
INJECTION AS A LEACHATE  
DISPOSAL OPTION

I2

EPA 316 (b) | Leachate Disposal | PFAS | Silica

Feb 15 (10 am – 12 pm)



ELISABETH CHRIST  
(CHAIR)

PFAS DESTRUCTION IN HIGH  
STRENGTH WASTE STREAMS: A  
CASE STUDY ON LOW ENERGY EOX



KURT SCHUMANN

EPA 316B IMPACT ON  
CIRCULATING WATER PUMPS AND  
MOTORS



EVGENIYA  
HRISTOVA

ADVANCED SOLIDIFIERS FOR  
OIL SPILL CONTAINMENT



ANDREW XIE

SOLUTIONS FOR ONLINE SILICA  
MONITORING IN POWER PLANTS  
AND ULTRAPURE WATER  
FACILITIES



## PRE- & POST-CONFERENCE ACTIVITIES

Las Colinas, the neighborhood surrounding the convention center, boasts a blend of fine dining and entertainment amenities. The Pavilion at Toyota Music Factory is comprised of 20+ restaurants, bars and an Alamo Draft House.

For ideas on how to spend your pre- and post-conference time, visit: [www.irvingtexas.com/things-to-do/las-colinas](http://www.irvingtexas.com/things-to-do/las-colinas).

# ROOM 4 TRACK J – WEDNESDAY, FEBRUARY 14, 2024 | CHARGE EXPO

## EV CHARGING, BATTERY, FLEET, TRANSPORTATION ELECTRIFICATION

### J1 | EV Charging | Infrastructure | Battery | Feb 14 ( 7:30 – 9:30 am)



**PARESH PATEL**  
(CHAIR)

GRID RESPONSIVE AND DEMAND  
SIDE MANAGEMENT TRENDS FOR  
EV CHARGING



**BOBBY RUIZ**

FIRE PROTECTION FOR  
ENERGY STORAGE SYSTEM  
BATTERIES



**RAM  
CHANDRASEKARAN**

EV CHARGING LOAD AND ITS  
IMPACT ON THE GRID



**BRIAN ENGLE**

CRITICAL SENSING FOR ROBUST  
EVSE CONTROL AND MONITORING

### J2 EV SE | EV Charging | EV Software | Battery | Feb 14 (10 am – 12 pm)



**RUE PHILLIPS**  
(CHAIR)

SUPPORTING 97% CHARGER  
UPTIME OBLIGATIONS WITH A  
COMPETENT TRAINED  
WORKFORCE.



**JOSEPH  
IAMARTINO**

EV CHARGING: FORCED AIR-  
COOLED CHARGING FOR DC  
FAST CHARGERS



**SARAH ADAMS**

CONSUMER SOFTWARE &  
PAYMENTS ENABLEMENT



**FRANK HUERTA**

EV CHARGING DEPLOYMENT FOR  
FLEET, RETAIL & MOBILE  
CHARGING.



**KEVIN ALLEY**

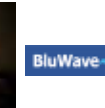
LEVERAGING EMBD TO ADAPT  
TO RAPIDLY CHANGING  
CHARGING INFRASTRUCTURE

### J3 AI EV Charging | Fleet | EV Parking | EV Charging Regulations | Feb 14 (1 – 3 pm)



**ANDY FLAVIN (CHAIR)**

REGULATORY CONSIDERATIONS  
FOR EV CHARGING



**DANISH SAJWANI**

AI-DRIVEN SOLUTIONS FOR  
RESIDENTIAL AND FLEET EV  
CHARGING



**MIKE BULLOCK**

DIVIDEND ACCOUNT PARKING:  
MORE FAIRNESS &  
TRANSPARENCY; LESS DRIVING



**STEPHEN EAVES**

A NEW ELECTRICITY FORMAT FOR  
CHARGING INFRASTRUCTURE

### J4 EV Trucks | NACFE | DOE Clean Cities | EV Charging Feb 14 (3:30 – 5:30 pm)



**DAVE SCHALLER**  
(CHAIR)

13 REAL WORLD EV TRUCK CASE  
STUDIES



**LORI CLARK**

NORTH CENTRAL TEXAS COUNCIL  
OF GOV. DFW CLEAN CITIES



**MIKE FINNEY**

ELIMINATE IDLING: FLEET  
EFFICIENCY & COST SAVINGS



**RICH TURSKI**

EV CHARGING



# COMPANIES ATTENDING

4M Analytics	Burns & McDonnell	EVINMOTION
ABB	Calpine	Evolved Wireless Inc.
Accenture	CannonDesign	EVTronix
Aclarity	Capital Power	Export-Import Bank of the United States
Advanced Mobile Filtration	CEM Service Group	EZ Pain Relief
Advanced Research Projects	Center Point Energy	FASTER Asset Solutions
Agency- DOE	Chapman Nuclear	FLORIDA POWER & LIGHT
Advanced Valve Solutions USA Inc.	Charge to Charge	FLSmidth
AEP Northeastern	Chelan County PUD	Forgen
AeriNOx, Inc.	Chungbuk National University	Fuel Tech, Inc.
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ALERTWest	City of Higginsville	GCI (Grace Consulting, Inc.)
Alfa Laval	Clean Harbors	Emissions Testing Services
Alisto Engineering Group, Inc.	CMC Solutions L.L.C.	GE Industrial
Allison	Constellation	GEI Consultants Inc
Ambilabs	CPS Energy	GenCell Energy
American Cast Iron pipe	CPS Energy San Antonio	Global Energy Partners
American Coal Ash Association	CSI USA GROUP	Gradient
American Fire Technology/ a Hiller Company	Ctrade	GRDA
Ames Construction	D2 Traffic Technologies	Gridscape Solutions
AMP-Cherokee	Dekorun Unitherm	GridWrap, Inc.
Amphenol Advanced Sensors	Delek Petroleum Refining Company	Haley & Aldrich
AP Performance	Delekus	HEET
Apex Instruments	Delta Instrument LLC	Hiller/AFT
Arbor Day Foundation	Dept. of Energy	Hiser Joy
Atlas-SSI	Duke Energy	Hydralube, Inc.
Auburn FilterSense	EA Engineering, Science, and Technology, Inc., PBC.	ICL
Austin Energy	Eastern Generation LLC	Iconic Consulting Group
AVO Training Institute	ECI	Idaho National Laboratory
Baker Hughes	ECO PHYSICS, INC.	Idaho Power
Ballard Power Systems	EcoCOOL Powered by Electroccl	Industrial Accessories Company
Barr Engineering Co.	Edison Electric Institute	Industrial Scientific
Basin Electric Power Cooperative	Elliott Group	Intermountain Power Service Corporation
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Blue Sky Modeling	Enhanced Solutions Services	JSJS Consulting
BluWave-ai	EPRI	Kansas City BPU
Bowen University	ERM	Korea University
Brixx Technology	ESC Spectrum	KTC
Burbank Water and Power	EUEC	LillyPad EV
Bureau of Reclamation - Resources	Eversource Energy	Liquid Seer
	EVIA Solutions	

Lordstown Energy Center  
Lotus Infrastructure Global  
LOWER COLORADO RIVER  
AUTHORITY  
Luminant Energy  
MarketScale  
Marmon Industrial Energy &  
Infrastructure  
Mayo Clinic  
Miller Nash LLP  
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Mississippi Lime Company  
Mitsubishi Power Americas  
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Montgomery One  
Montrose Environmental Group  
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and Technology  
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Nuclearn  
NuEnergy Storage Technologies  
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Otter Tail Power Company  
Overton  
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Red Ball Technical Gas Services  
Redtree  
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TECHNICAL UNIVERSITY OF  
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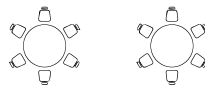
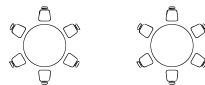
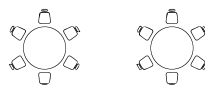
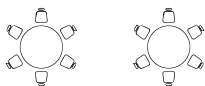
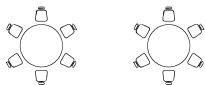
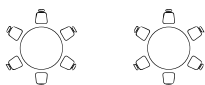
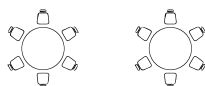
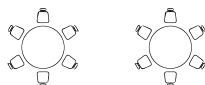
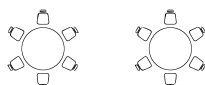
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TS Conductor  
TxETRA  
UC Won  
UCC Environmental  
Unico Power  
Universal Analyzers, Inc.  
University of Arizona  
University of North Texas, Denton  
Utility Solid Waste Activities Group  
(USWAG)  
Verde Mobility  
Versar, Inc.  
Vistra  
Volt  
Waste Technologies LLC  
WaterFurnace International  
Watershed Geo  
Waukesha Pearce Industries, LLC.  
We Recycle Solar, Inc.  
Webasto Charging Systems  
West Texas A&M University  
Wiley Rein LLP  
Wise Strategies  
Wolters Kluwer (Enablon)  
World Domes  
Xylem Service Solutions  
Yansab  
Yukon Technology

Irving Convention Center  
A Setup: Feb. 13, 2024 ( 9 am to 3 pm)  
Tear Down: Feb. 15, 2024 - 3 pm)

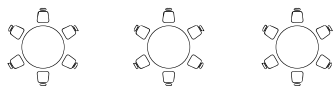
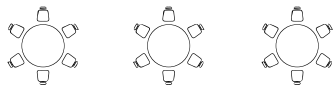
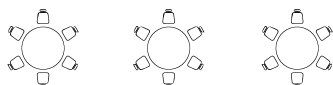


TOYOTA

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GLOBAL ENERGY



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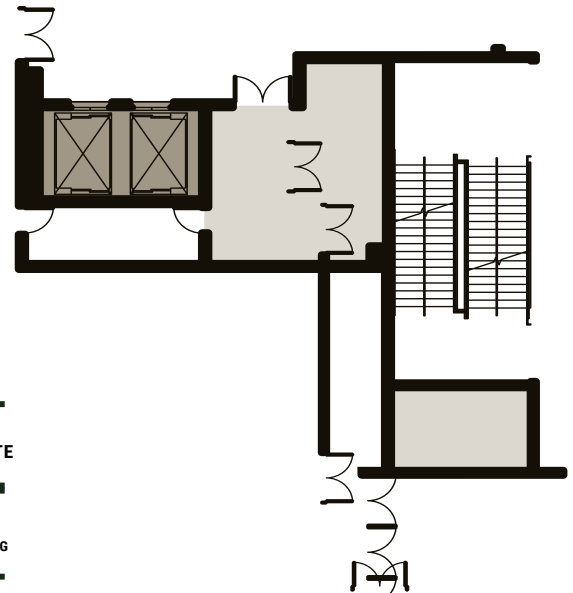
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**Exhibit Hours**  
Tue. 2/13 (5 pm to 7 pm)  
Wed. 2/14 (9 am to 7 pm)  
Thu. 2/15 (9 am to 2 pm)

**B**



<b>231</b> <b>APEX</b> INSTRUMENTS	<b>530</b> <b>UC WON</b>
<b>229</b> <b>INDUSTRIAL SCIENTIFIC CO</b>	<b>528</b> <b>FL SMIDTH</b>

<b>531</b> <b>RKI</b> INSTRUMENTS	<b>630</b> <b>CEM SERVICE GROUP</b>
<b>529</b> <b>ALFA LAVAL</b>	<b>628</b>

<b>631</b> <b>GRACE CONSULTING</b>	<b>730</b> <b>ALLEVIATE</b>
<b>629</b>	<b>728</b> <b>ALISTO ENGINEERING GROUP</b>

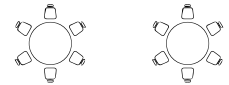
<b>225</b> <b>ISVPAY</b>	<b>524</b> <b>WOLTERS KLUWER (ENABLON)</b>
<b>223</b>	<b>522</b>

<b>525</b> <b>AVO TRAINING INSTITUTE</b>	<b>624</b> <b>REDBALL TECHNICAL GAS SERVICES</b>
<b>523</b> <b>ECI</b>	<b>622</b>

<b>625</b> <b>DELTA INSTRUMENTS</b>	<b>724</b> <b>POLYSTAR CONTAINMENT</b>
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<b>725</b> <b>TECHNICAL HEATERS</b>
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**Meal Service Tables**



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<b>213</b> <b>STANTEC CONSULTING SERVICES</b>	<b>512</b> <b>BARR ENGINEERING</b>
<b>211</b>	<b>510</b> <b>ABB</b>

<b>513</b> <b>ECO PHYSICS</b>	<b>612</b> <b>UNIVERSAL ANALYZERS/AMETEK</b>
<b>511</b> <b>MARMON INDUSTRIAL ENERGY</b>	<b>610</b>

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<b>611</b> <b>TABER</b>	<b>710</b>








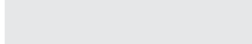







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**ENTRY**

**EUPEC2024**















## EXHIBITING COMPANIES

	<b>ABB</b> 7051 Industrial Boulevard Bartlesville OK 74006 <a href="https://new.abb.com/">https://new.abb.com/</a>	<b>510</b>
	<b>Air Hygiene</b> 1600 West Tacoma Broken Arrow OK 74012 <a href="http://www.airhygiene.com">www.airhygiene.com</a>	<b>224</b>
	<b>Alfa Laval</b> 10470 Deer Trail Drive - Houston, TX 77038 <a href="http://www.alfalaval.com">www.alfalaval.com</a>	<b>529</b>
	<b>Alisto Engineering Group</b> 2737 N Main St Suite 200 Walnut Creek CA 94597 <a href="http://www.alisto.com">www.alisto.com</a>	<b>728</b>
	<b>Alleviate LLC</b> 15822 Webelos St Friendswood, TX 77546 <a href="http://www.alleviatepainsolutions.com">www.alleviatepainsolutions.com</a>	<b>730</b>
	<b>Ambilabs</b> 100 Elm St Warren RI 02885 <a href="http://www.ambilabs.com">www.ambilabs.com</a>	<b>617</b>
	<b>AP Performance</b> 15822 Webelos St Friendswood, TX 77546 <a href="http://www.belink.shop">www.belink.shop</a>	<b>218</b>
	<b>Apex</b> 5000 Interstate 10 Sealy TX 77474 <a href="http://apexinst.com">apexinst.com</a>	<b>231</b>
	<b>AVO Training</b> 4545 W Davis St Dallas TX 75211 <a href="http://avotraining.com">avotraining.com</a>	<b>525</b>
	<b>Barr Engineering</b> 4300 MarketPointe Drive Minneapolis MN 55435 <a href="http://www.barr.com">www.barr.com</a>	<b>512</b>
	<b>Bell Lumber &amp; Pole</b> 778 1st Street NW New Brighton MN 55112 <a href="mailto:chad.hering@blpole.com">chad.hering@blpole.com</a>	<b>616</b>
	<b>CEM Service Group, Inc.</b> 832 Rolling Hills Road Ottsville PA 18942 <a href="http://www.cemservicegroup.com">www.cemservicegroup.com</a>	<b>628</b>
	<b>Clean Harbors</b> 42 Longwater Dr Norwell MA 2061 <a href="http://www.cleanharbors.com">www.cleanharbors.com</a>	<b>210</b>

	<b>Concrete Canvas</b>	<b>129</b>
	<b>D2 Traffic Technologies</b> 84 Inverness Circle East Englewood CO 80112 <a href="http://d2traffic.com">d2traffic.com</a>	<b>129</b>
	<b>Delta Instruments</b> 148 Veterans Drive Northvale New Jersey 7647 <a href="http://www.deltainstrument.com">www.deltainstrument.com</a>	<b>623</b>
	<b>ECI</b> 12324 Hampton Way Dr Suite 101 Wake Forest NC 27587 <a href="http://www.eci-consulting.com">www.eci-consulting.com</a>	<b>523</b>
	<b>Eco Physics Inc.</b> 3915 Research Park Dr. A3 Ann Arbor MI 48208 <a href="http://www.ecophysics-us.com">www.ecophysics-us.com</a>	<b>513</b>
	<b>EZ Pain Relief</b>	<b>131</b>
	<b>FASTER</b> 760 Lynnhaven Pkwy, Suite 203, Virginia Beach, VA 23452	<b>216</b>
	<b>FLSmidth</b> <a href="http://www.flsmidth.com">www.flsmidth.com</a>	<b>528</b>
	<b>Forgen</b> 6020 W Oaks Blvd, Suite 220, 95765 <a href="http://for-gen.com">for-gen.com</a>	<b>718</b>
	<b>Gasmet Technologies</b> 956 <sup>a</sup> , The Queensway Toronto Ontario M8Z 1P5 <a href="http://www.gasmet.com">www.gasmet.com</a>	<b>619</b>
	<b>Global Energy Partners</b> <a href="http://www.globalenergy.partners">www.globalenergy.partners</a>	<b>125</b>
	<b>Grace Consulting Inc. (GCI)</b> 510 Dickson St. Wellington OH 44090 <a href="http://www.gcitest.com">www.gcitest.com</a>	<b>629</b>
	<b>Hiller Companies</b> 2120 Capital Drive Wilmington NC 28405 <a href="http://hillerfire.com">hillerfire.com</a>	<b>217</b>
	<b>ICL</b> 769 Old Saw Mill River Road, 4th Floor Tarrytown, NY 10591 <a href="http://www.icl-ip.com">www.icl-ip.com</a>	<b>715</b>



# EXHIBITING COMPANIES

	<b>ISVPay</b> 1145 Sanctuary Parkway Suite 125 Alpharetta GA 30009 isvpay.io	<b>223</b>
	<b>Industrial Scientific</b> 1 Life Way Pittsburgh, PA 15205 www.indsci.com	<b>229</b>
	<b>LillyPad EV</b> 4591 PACHECO BLVD MAR- TINEZ Martinez CA 94553 www.lilypadev.com	<b>219</b>
	<b>MarketScale</b> <i>(EUEC Media Partner)</i> 901 Main Street, 53rd Floor Dallas, Texas 75202 https://marketscale.com	<b>716</b>
	<b>Marmon Industrial</b> 1531 Commerce Creek Blvd. Cape Coral, FL 33909	<b>511</b>
	<b>Mississippi Lime Company</b>	<b>517</b>
	<b>Montrose</b>	<b>230</b>
	<b>North American Council for Freight Efficiency</b>	<b>117</b>
	<b>North Central Texas Council of Governments</b>	<b>119</b>
	<b>NuEnergy Storage Technologies</b>	<b>113</b>
	<b>Olsson</b> 601 P Street Suite 200 Lincoln NE 68508 nsteinke@olsson.com	<b>719</b>
	<b>Polystar Containment</b> 9840 E Knowles Ave Mesa AZ 85209 polystarcontainment.com	<b>722</b>
	<b>Red Ball Technical Gas Services</b> 609 N MARKET ST SHREVEPORT Louisiana 71107 www.redballoxygen.com	<b>624</b>
	<b>RKI Instruments</b> 33248 Central Ave Union City CA 94587 shirley@rkiinstruments.com	<b>531</b>

	<b>SCS Engineers</b> 3900 Kilroy Airport Way Ste 100 Long Beach CA 90806 www.scsengineers.com	<b>228</b>
	<b>Stantec Consulting Services, Inc.</b> https://www.stantec.com/	<b>211</b>
	<b>Starline</b> https://www.legrand.us/starline	<b>111</b>
	<b>Taber International</b> www.taber-intl.com	<b>611</b>
	<b>Technical Heaters,</b> 10959 Tuxford Street Sun Valley CA 91352 techheat.com	<b>723</b>
	<b>Trinity Consultants</b> 12700 Park Central Drive Dallas Texas 75251 trinityconsultants.com	<b>212</b>
	<b>TS Conductor</b> 15272 Newsboy Cir Huntington Beach CA 92649 tsconductor.com	<b>710</b>
	<b>UC Won</b> www.uc-won.com	<b>530</b>
	<b>Unico Power</b> 3655 36 St NW Calgary Alberta T2L 1Y8 www.unicopower.com	<b>123</b>
	<b>Universal Analyzers /AMETEK</b> 5200 Convair Drive, Carson City, NV 89706 https://www.universalanalyzers.com/	<b>612</b>
	<b>VerdeMobility</b> www.verdemobility.com	<b>519</b>
	<b>We Recycle Solar LLC</b> 4742 N 24th St Suite 300 Phoenix AZ 85016 weryclesolar.com	<b>516</b>
	<b>Wolters Kluwer</b> 300 West Adams Street, Suite 1100 Chicago IL 60606 https://www.wolterskluwer.com	<b>524</b>
	<b>World Domes</b> 4355 N. Haroldsen Dr. Idaho Falls, ID https://www.domes.com/	<b>613</b>

# THANK YOU FOR ATTENDING

## ENERGY UTILITY ENVIRONMENT CONFERENCE & CHARGE EXPO

### Post-Conference Materials :

Watch for email updates and visit the EUEC website for post-event material including:

- PowerPoint presentations
- Audio-Video recordings of sessions
- Post Conference network marketing
- Final attendee lists

Questions on future EUEC events? Contact [info@euec.com](mailto:info@euec.com)

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