

TE-EXPO PROGRAM AGENDA

TRACK | J | UTILITY FLEET & TRANSPORTATION ELECTRIFICATION

Monday | 1PM - 3PM

J1. TE, ELECTRIC UTILITIES & EV CHARGING



J1.1 CLEAN ENERGY PATHWAY EFFORTS IN THE PORT OF LONG BEACH
Damon Hannaman, Sr. Advisor, Key Accounts, Southern California Edison



J1.2 ELECTRIC COMPANIES ACCELERATING TRANSPORTATION ELECTRIFICATION
Co-Chair - Kellen Scheffter, Sr. Manager, Sustainable Technology, Edison Electric Institute



J1.4 REGULATORY CHALLENGES IN GUAM'S POWER GENERATION
Co-Chair - Dr. Filomena Cantoria, Commissioner, Guam Public Utilities Commission



J1.5 DESIGNING SUCCESSFUL TRANSPORT ELECTRIFICATION PROGRAMS FOR UTILITIES
Andrew Dillon, Senior Principal, EV & DER Solutions, West Monroe Partners



J1.6 FLEET CHARGING INFRASTRUCTURE TO OPTIMIZE TOTAL COST OF OPERATIONS
Terry O'Day, Chief Strategy Officer, Executive Vice President, innogy eMobility US

Monday | 3:30PM - 6:00PM

J2. ADVANCE CLEAN TRUCKS - AFV & ZEV & FLEETS



J2.1 THE ELECTRIFICATION OF COMMERCIAL TRANSPORTATION
Co-Chair - Jim Castelaz, Founder and CEO, Motiv Power Systems



J2.2 VIABILITY OF ELECTRIC VEHICLES IN THE LOGISTIC/TRANSPORTATION INDUSTRY
Chris Easter, Director, ESA; Jeff Caton, Heidi Rous



J2.3 IN-WHEEL ELECTRIFIED HUBS FOR TRAILERS AND TRUCKS
Caleb Lander, Product Manager - Electrification, ConMet



J2.4 MANAGING WITH ELECTRICITY
Co-Chair - Kenneth Williams, Fleet Asset Superintendent, City of Kansas City / Aviation Department



J2.5 BRIDGING THE GAP: A RADICAL NEW VISION FOR ELECTRIC TRUCKING
Tom Bartley, Founder / VP Sales and Marketing, Proensis LLC.



J2.6 FLEET ELECTRIFICATION-LIGHT, MEDIUM, AND HEAVY DUTY EVS IN FLEETS
Raquael Soat, Research Analyst, Navigant Consulting inc



J2.7 TROPOS ABLE - HOW DOWNSIZING TO AN ECUV CAN SAVE THOUSANDS
Jeff Esfeld, Director National Fleet Sales & Business Devlpmnt, Tropos Technologies, Inc.

Tuesday | 7:30AM - 9:30AM

J3. EV, PHEV, HYBRID, FLEET SUSTAINABILITY



J3.1 PRELIMINARY ROUTING FOR A NATIONAL LABORATORY COMMUTING PROGRAM
Amy Moore, Transportation Planning Engineer, Oak Ridge National Laboratory



J3.2 LOCAL GOVERNMENT'S ROLE IN INCREASING EV ADOPTION IN SAN FRANCISCO BAY
Co-Chair - Rebecca Fisher, Staff Specialist, Bay Area Air Quality Management District



J3.3 THE ELECTRIC VEHICLE DISCOVERY CENTRE - EV MARKET TRANSFORMATION
Cara Clairman, President and CEO, Plug 'n Drive; Davorka Cvilkovic



J3.4 BIGGER MARKET THAN ELEC GRID: WIND + SOLAR HYDROGEN TRANSPORT + CHP FUEL
Co-Chair - Bill Leighty, Director, The Leighty Foundation



J3.5 FUTURE OF ELECTRIC & HYBRID-DRIVE SYSTEMS IN COMMERCIAL & OFF ROAD EQUIP.
Marilyn Tarbet, Director, New Business Development, Power Systems Research



J3.6 TOOLS AND TECHNIQUES TO SWITCH TO ELECTRIC VEHICLES RISK FREE
Alex Baker, CEO, CleanCar

TRACK | J | UTILITY FLEET & TRANSPORTATION ELECTRIFICATION

Tuesday | 10AM - 12PM

J4. ULTRA CLEAN LD/MD/HD



J4.1 A MACROECONOMIC ASSESSMENT OF TRANSPORTATION ELECTRIFICATION
Edward Carr, Senior Research Analyst, Energy and Environmental Research Associates; James Winebrake, Erin Green



J4.2 DATA INSIGHTS: STAYING COMPETITIVE IN A CONNECTED VEHICLE WORLD
Gary Schmidt, Vice President of Business Solutions, Zonar



J4.3 HIGH EFFICIENCY, LOW EMISSIONS DRIVE MARKET ADOPTION OF THE OP ENGINE
Jerome Payne, Chief Operating Officer, Achates Power



J4.4 RETROFITTING CLASS 2 HYBRID VEHICLES WITH ELECTROCHEMICAL CAPACITOR
Toshihiko Furukawa, Senior Manager / Global Engineering, United Chemi-Con, Inc.



J4.5 UPCOMING CALIFORNIA ZEV REGULATIONS FOR HEAVY-DUTY VEHICLES
Craig Duehring, Air Resources Supervisor, California Air Resources Board (CARB); Paul Ameja



J4.6 CNG HYBRID ELECTRIC SUPER TRUCK DESIGN
Co-Chair - James Burns, CSO, Transportation Power, Inc.; Dr. Paul Scott

Tuesday | 1PM - 3PM

J5. UTILITY FLEET



J5.1 FIVE LESSONS FROM A DECADE OF EV FLEET MANAGEMENT
Co-Chair - Matt Stevens, VP, Electric Vehicles, Geotab



J5.2 CHARGE THE NORTH: CHARACTERIZING ELECTRIC VEHICLE CHARGING PROFILES
Eric Mallia, General Manager, FleetCarma



J5.3 ELECTRIC FLEETS: MOVING BEYOND PILOTS FOR THE REAL BENEFITS
Co-Chair - Paul Stith, Director of Strategy & Innovation, Black & Veatch



J5.4 THE ELECTRIFICATION CHECKLIST: MAKING THE RIGHT XEV DECISIONS
Jeremy Twomey, Regional Sales Manager, XL - The Fleet Electrification



J5.5 LARGE FLEET ADOPTION OF ELECTRIC PROPULSION
Michael McDonald, Sr. Director of Sustainability & Gov't Affairs, United Parcel Service (UPS)



J5.6 THE COMMERCIALIZATION OF HEAVY DUTY CLASS 6-8 TRUCKS AND BUSES
Joshua Goldman, VP Sales and Marketing, TransPower



J5.7 EV OPPORTUNITIES IN ROBUST, HIGH CAPACITY, PEOPLE MOVER APPLICATIONS
Newton Montano, VP and GM, Trams International

Tuesday | 3:30PM - 5:30PM

J6. CARB REGS, EV CHARGING PROJECTS



J6.1 VW FUNDING OPPORTUNITIES
Eric Brown, Air Pollution Specialist, California Air Resources Board (CARB); Patrick Chen



J6.2 DIVIDEND - ACCOUNT PARKING: FEASIBLE & ENFORCEABLE MITIGATION
Co-Chair - Michael Bullock, Transportation Committee Chair, Sierra Club, Evolved Wireless, Inc.



J6.3 HYBRID AND ZERO-EMISSION TRUCK AND BUS VOUCHER INCENTIVE PROJECT - HVIP
Patrick Chen, Air Pollution Specialist, California Air Resources Board



J6.4 A CASE STUDY IN COLLABORATIVE VEHICLE ELECTRIFICATION
James DeGroot, Deputy Director, Pima Association of Governments








J6.5 A CASE STUDY IN COLLABORATIVE VEHICLE ELECTRIFICATION
James DeGroot, Deputy Director, Pima Association of Governments, Regional Transportation Authority RPC

TRACK | K | BATTERY, STORAGE & CHARGING



Monday | 1PM - 3PM

K1. BATTERY, ENERGY STORAGE SYSTEMS

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K1.1 BATTERY SELECTION BASED UPON CURRENT CAPACITY RATINGS IS OUTDATED
Co-Chair - Jeremy Cordray, Director, Original Equipment, NorthStar Battery
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K1.2 METHODS TO MEASURE AND IMPROVE BATTERY STORAGE SYSTEMS PERFORMANCE
 Khalid Rahman, Electrical Engineer, Commonwealth Associates, Inc.
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K1.3 PRACTICAL BENEFITS AND LIMITATIONS OF ENERGY STORAGE
 Carl Salas, Founding Principal, Salas O'Brien
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K1.4 THE BATTERY PUZZLE - THE PATH TO ELECTRIFICATION FOR HEAVY-DUTY
 Mike Terzo, CEO & CTO, Terzo Power Systems, LLC
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K1.5 ENCAPSULATOR TECHNOLOGY FOR BATTERY AND STORAGE SYSTEM PROTECTION
 Jeffrey Bonkoski, Area Manager, Encapsulator Technology Specialist, Hazard Control Technologies; Ron Lowrey
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K1.6 GETTING AHEAD OF THE EV BOOM WITH INCENTIVIZED SMART-CHARGING
 Marc Monbouquette, Sr. Manager, Regulatory and Government Affairs, eMotorWerks

Monday | 3:30PM - 5:30PM

K2. EV FAST CHARGING & INFRASTRUCTURE

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K2.1 HOW CUSTOMER EXPERIENCE IMPACTS UTILITY EV CHARGING PROGRAM SUCCESS
Co-Chair - April Bolduc, President, S Curve Strategies
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K2.2 HOW TO STREAMLINE YOUR UTILITY EV CHARGING INSTALLATION PROCESS
 Nicole Alarcon, VP of Program Development, C2 Group; Luis Alarcon
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K2.3 FAST DC CHARGING WITH MINIMUM GRID UPGRADE
 Heesoo Lee, General Manager, Energy Systems, AVM
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K2.4 THE NEED FOR SPEED
 Steve Bloch, Western Regional Vice President, ABB
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K2.5 CCS AS THE GLOBAL STANDARD FOR CHARGING BATTERY POWERED EVS
 Oleg Logvinov, Spokesperson, CharIN e.V. NA
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K2.6 THE UTILITIES POSITIVE IMPACT ON THE EV MARKET
 Brittany Syz, Director of Clean Transportation, SDG&E
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K2.7 EV TRANSPORTATION CORRIDORS - ASSESSING EV FLEET INFRASTRUCTURE
 Andrew Dillon, Senior Principal, EV & DER Solutions, West Monroe Partners

Tuesday | 7:30AM - 9:30AM

K3. RESIDENTIAL & COMMERCIAL CHARGING

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K3.1 ELECTRIFYING TRANSPORTATION: HOW ELECTRIC UTILITIES ARE LEADING CLEAN MOBILITY
Co-Chair - Dean Siegrist, Associate Vice President, Black & Veatch; Maryline Daviaud Lewett, Black & Veatch
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K3.2 ELECTRIC FLEETS: UNDERSTANDING INFRASTRUCTURE OPTIONS
Co-Chair - Kim Okafor, Trillium EV Business Line Leader, Trillium
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K3.3 A SCALABLE APPROACH TO DEPLOYMENT OF THE EV CHARGING INFRASTRUCTURE
 Oleg Logvinov, President and CEO, IoTecha
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K3.4 REDUCING YOUR CHALLENGES FOR EV INFRASTRUCTURE INVESTMENT
 Patty DiNapoli, Marketing Director, Cyber Switching
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K3.5 DESIGNING INCENTIVES TO ALIGN EV CHARGING WITH GRID RELIABILITY OBJECT
 Matt Owens, Business Development Executive, West Monroe Partners
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K3.6 USING NATURAL GAS AND PROPANE FOR CHARGING EVS
 Arthur Sams, CEO, Polar Power

TRACK | K | BATTERY, STORAGE & CHARGING

Tuesday | 10AM - 12PM

K4. BATTERY, STORAGE & CHARGING SYSTEMS

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K4.1 THE SLOW FAST CHARGE: WHAT YOU GET IS ALL YOU NEED
 Scott McCalmont, Principal Engineer, Paired Power, Inc.
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K4.2 EV CHARGING AND THE VEHICLE PURCHASE PROCESS: LESSONS LEARNED
Co-Chair - Dr. Ryan Bodanyi, Senior Specialist for EV Program Transparency & Evaluation, Center for Sustainable Energy (CSE); Brett Williams
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K4.3 INTEGRATING ELECTRIC VEHICLE CHARGING INTO MICROGRID OPERATION
 Azhar Ul Haq, Assistant Professor, National University of Sciences & Technology; Saifullah Awan, Aqib Perwaiz
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K4.4 EV CHARGING INCENTIVES USING LOW CARBON FUEL CREDITS AND BLOCKCHAIN
 Andrew Dillon, Senior Principal, West Monroe Partners; Kayvon Hosseini
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K4.5 BATTERY INNOVATIONS, E-MOBILITY & SMART CITIES
 Cameron Peebles, Scientist, Wildcat Discovery Technologies; Dee Strand







Tuesday | 1PM - 3:00 PM

K5. FUEL CELLS, LI-ION, H2, BATTERIES

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K5.1 THE CALIFORNIA FUEL CELL REVOLUTION
 Keith Malone, Public Affairs, California Fuel Cell Partnership; Bill Erick
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K5.2 FUEL CELL & HYDROGEN - A COMPELLING VALUE PROPOSITION FOR ZERO EMISSION
 Alan Mace, Product Development/Market Specialist, Ballard Power Systems, Inc.
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K5.3 CARBON NEUTRAL LIQUID FUELS FOR TRANSPORTATION / ENERGY STORAGE
 Madhav Acharya, T2M Advisor, ARPA-E
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K5.4 HYDROGEN FREIGHT IN CALIFORNIA: FUEL CELL TRUCKS IN SAN PEDRO PORTS
Co-Chair - Cory Shumaker, Development Specialist, California Hydrogen Business Council
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K5.5 A FAIL-SAFE SOLUTION FOR THE SAFETY OF BATTERIES
 XiaoXiong Luo, Research Lead, Pyrophobic Systems, Ltd.
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K5.6 FUEL CELL ELECTRIC TRUCKS/VEHICLES POWERED BY RENEWABLE HYDROGEN FUEL
 Rob Del Core, Managing Director, Hydrogenics USA, Inc.

Tuesday | 3:30 PM - 5:30 PM

K6. EV, BATTERY, MANUFACTURER & SUPPLY CHAIN

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K6.1 A CHALLENGE OF RELIABLE CIRCUIT PROTECTION IN AUTOMOTIVE APPLICATIONS
Co-Chair - Liwu Wang, Director of Business Development, AEM Components (USA), Inc.
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K6.2 IMPLEMENTING MOTOR CIRCUIT ANALYSIS DE-ENERGIZED TESTING
 William Kruger, Technical & Training Manager, ALL-TEST Pro, LLC
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K6.3 SAFE CABLE MANAGEMENT
 Phil Ramos, Jr., Founder and CEO, Philatron Wire and Cable
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K6.4 LEVERAGING LOCAL SUPPORT WITHIN A GLOBAL SUPPLY CHAIN
Co-Chair - Wesley Brandon, President, CTEMS, Engineering and Manufacturing Services
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K6.5 ROLLING ENERGY STORAGE- ELECTRIC VEHICLES * CHARGING
 Kevin Wood, Clean Transportation Specialist, Center for Sustainable Energy (CSE)
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K6.6 ALIGNING INTELLECTUAL PROPERTY STRATEGIES WITH R&D AND COMMERCIAL GOAL
 Daniel Abraham, Vice President, MPEG LA