

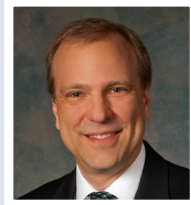
West

Opening Session

Wednesday, June 5th | 8:00 - 11:00am



Introduction to
AEE West Energy
Conference & Expo
Bill Kent
C.E.M., Executive
Director, Association
of Energy Engineers



Update on the
State of California's
Energy Policy
J. Andrew McAllister
Commissioner, California
Energy Commission



Accelerate the
World's Transition to
Sustainable Energy
Laurie Muse Shelby
C.I.H., C.S.P., M.S., Vice
President – Environmental,
Health & Safety, Tesla

Afternoon Track Sessions

Wednesday, June 5th | 2:00 - 4:00pm

TRACK 1: Policy, Trends & Initiatives	TRACK 2: Advanced Technology & Renewables	TRACK 3: Trends in Energy Efficiency	TRACK 4: High Performance & Green Buildings	TRACK 5: Energy Management
<p>Session 1A Advances in the California Clean Energy Economy</p> <p>Chair: MaryAnne Lauderdale, P.E., C.E.M., Director of Engineering, PowerSecure, Inc.</p> <p>2:00 - 2:30pm How HVAC Compliance and Enforcement Modernization Can Create an IoT-based Power Grid Rita Renner, California Energy Alliance</p> <p>2:30 - 3:00pm Thomas Gratz, Hitachi Zosen INOVA</p> <p>3:00 - 3:30pm California Climate, Investments</p>	<p>Session 2A Alternative & Renewable Energy Case Studies & Current Economics</p> <p>Chair: Lori K. Moen, C.E.M., C.E.P., NCSBA, Manager, Solutions Design & Mgmt., Customer Energy, Seattle City Light</p> <p>2:00 - 2:30pm Waste to Energy, Emerging Gasification Technologies Bernard Brown, Aries Clean Energy</p> <p>2:30 - 3:00pm Renewable Energy Hybrid Solutions Behind the Meter Beau Griffey, Trane</p>	<p>Session 3A Solving the Problem of Quantifying Efficiency</p> <p>Chair: Steve Kromer, P.E., Energy Engineer, SKEE</p> <p>2:00 - 2:30pm Measure to Manage: M&V at ZNE Facilities Susan Freed, County of San Diego</p> <p>2:30 - 3:00pm The Coming Train Wreck in California: Why Interval Meter Based M&V is Bound to Fail John Avina, Abraxas Energy Consulting</p>	<p>Session 4A Big Data & Energy Analytics</p> <p>Chair: Will Coleman, CEO, Lucid</p> <p>2:00 - 2:30pm Beyond Analytics: Software is Enabling Energy Management Will Coleman, Lucid</p> <p>2:30 - 3:00pm The University of British Columbia's Life Science Centre Julie Pett, The University of British Columbia</p> <p>3:00 - 3:30pm Energy Management Success Stories: Demand Side Energy Management Strategies at NYC Health + Hospitals Diana Eusse, NYC Health & Hospitals</p> <p>3:30 - 4:00pm Connecting Analytics with Accounting Justin Owen, Weber State</p>	<p>Session 5A Success in Energy Management & Performance</p> <p>Chair: Sol Rosenbaum, P.E., C.E.M., C.P.M.P., Director, Green & Energy Services, GRS Group</p> <p>2:00 - 2:30pm Training the Next Generation of Energy Engineers; How I Started Mentoring Sol Rosenbaum, GRS Group</p> <p>2:30 - 3:00pm \$10 Million Saved (So Far) and a Healthier Planet – Conservation in a K12 School District Kelly Campbell & Jeff Brogden, Mansfield Independent School District</p> <p>3:00 - 3:30pm Keys to Driving a Successful Energy Management Program Leo O'Loughlin, JLL</p>

Morning Track Sessions

Thursday, June 6th | 9:00 - 11:00am

TRACK 1: Policy, Trends & Initiatives	TRACK 2: Advanced Technology & Renewables	TRACK 3: Trends in Energy Efficiency	TRACK 4: High Performance & Green Buildings
<p>Session 1B Energy Efficiency Policies & Programs</p> <p>9:00 - 9:30am Federal Energy & Fiscal Policies Effecting Utility Feeder Systems Fred Petok, USDA</p> <p>9:30 - 10:00am Rewards for Innovation: How Research and Development Tax Credits Propel Innovation in the Green Building Industry Daniel Audette, R&D Tax Savers</p>	<p>Session 2B Transportation, EVs & the Grid</p> <p>Chair: Ian Metzger, Program Development Engineer, Lockheed Martin Energy</p> <p>9:00 - 9:30am Heavy Duty EVs: A Case Study of TVA's Non-Road Transportation Electrification Project Ian Metzger, Lockheed Martin Energy</p> <p>9:30 - 10:00am WSP</p>	<p>Session 3B The Evolving Energy Efficient Landscape on the West Coast</p> <p>Chair: Daniel Lim, Crocus Energy</p> <p>9:00 - 9:30am The Next Evolution: Connected Buildings Peter Sharer, Trane</p> <p>9:30 - 10:00am Powerful Energy – Why the Quantity of Energy Matters Andy Taylor, Applied Power Technologies, Inc.</p> <p>10:00 - 10:30am Electric Cost Allocation and Rate Design in a New Era Jim Lazar, Regulatory Assistance Project</p> <p>10:30 - 11:00am Sustainable Make-Over of Farris Engineering Center, University of New Mexico Donald Swick, University of Mexico</p>	<p>Session 4B Carbon Neutrality & Zero Net Energy through Efficiency & Innovation</p> <p>Chair: Ricson Chude, P.E., C.E.M., C.E.A., C.M.V.P., Project Manager, Southern California Edison</p> <p>9:00 - 9:30am Deep Building Retrofits for Energy and Carbon Rod Yeoh, DIALOG</p> <p>9:30 - 10:00am Resilience and Energy Security at Army Installation Muhammad Bari, US Army - National Training Center Fort Irwin, CA</p> <p>10:00 - 10:30am Cost Effective ZNE – Scalable Solutions from Small Commercial Buildings Cindy Regnier, FLEXLAB & John Bruschi, Integral Group</p> <p>10:30 - 11:00am Zero Energy Buildings – A Path to Zero Carbon Cathy Higgins, New Buildings Institute</p>

Afternoon Track Sessions

Thursday, June 6th | 2:00 - 4:00pm

TRACK 1: Policy, Trends & Initiatives	TRACK 2: Advanced Technology & Renewables	TRACK 3: Trends in Energy Efficiency	TRACK 4: High Performance & Green Buildings
<p>Session 1C Energy Policy West Coast Style</p> <p>Chair: Napallo Gomez, Manager, Business Energy Solutions, Pacific Gas & Electric Company</p> <p>2:00 - 4:00pm This will be a panel discussion and a moderated Q&A consisting of utilities and end users in California discussing the evolving energy efficient landscape in California including anticipated policy changes, the role of financing, and time-of-use changes being implemented in 2019.</p>	<p>Session 2C The Future of Energy Storage</p> <p>Chair: John Avina, C.E.M., C.E.A., C.M.V.P., CxA, President, Abraxas Energy Consulting</p> <p>2:00 - 2:30pm A Battery for Chilled Water Systems - Helping to Address Grid Changes Terry Andrews, CALMAC, A Portfolio of Trane</p> <p>2:30 - 3:00pm Greg Miller, Ice Energy</p> <p>3:00 - 3:30pm The Role of Storage in a Comprehensive Distributed Energy Strategy Zach Einterz, Stem, Inc.</p>	<p>Session 3C Data Centers</p> <p>Chair: Carl Salas, P.E., Founding Principal, Salas O'Brien</p> <p>2:00 - 2:30pm Managing Extreme Volatility in California Energy Prices Andy Huenefeld, Kinect Energy Group</p> <p>2:30 - 3:00pm Cutting through Computer Room Cooling Complexity Frederick Rebarber, Vertiv</p> <p>3:00 - 3:30pm Data Center Theory vs. Lessons Learned Carl Crizer, Sala's O'Brien</p>	<p>Session 4C Building through Commissioning</p> <p>Chair: John Salas, P.E., C.E.M., G.B.E., C.B.C.P., LEED AP, Managing Principal, Salas O'Brien</p> <p>2:00 - 2:30pm Chilled Water System Optimization Duane Warren, Hood Patterson & Dewar, Inc.</p> <p>2:30 - 3:00pm Smart Commissioning at the University of British Columbia Zach Danyluk, University of British Columbia & Adam Rohloff, Altura Associates</p>