

# West

# West Coast Energy Management Conference Program

**Opening Session**  
Wednesday, June 5th



Welcome from AEE  
**Bill Kent** C.E.M.,  
Executive Director,  
**Association of Energy Engineers**



Tesla – Becoming the Safest  
Company in the World!  
**Laurie Muse Shelby**  
C.I.H., C.S.P., M.S.  
Vice President – Environmental,  
Health & Safety, **Tesla**



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



**Ann L. McCormick**  
P.E., Senior Vice President  
**Willdan Group, Inc.**

Presented by



Gold Sponsor



Silver Sponsor



CONFERENCE EARNS: 1.6 AEE CREDITS | 0.8 CEU | 8 PDH

**June 5-6, 2019**  
**Santa Clara Convention Center**  
**Santa Clara, CA**

\$ **95**  
**AEE Member  
Conference  
Registration**

# Special Events & Conference Track Sessions

**Wednesday**  
June 5th

**8:00 am**  
Opening Session  
Networking  
Continental Breakfast  
Enjoy coffee & network with colleagues prior to the opening session.

**12 noon - 1:30 pm**  
Conference  
Attendee Luncheon  
Network with attendees, exhibitors & speakers.

**4:00 - 6:00 pm**  
Opening Night  
Networking  
Reception  
Network with attendees, exhibitors & speakers.

AEE West Conference Track Sessions | SANTA CLARA CONVENTION CENTER | **2:00 - 4:00 pm**

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 <b>Advances in the California Clean Energy Economy</b> <b>Chair:</b> MaryAnne Lauderdale, P.E., C.E.M., Director of Engineering, PowerSecure, Inc. <b>2:00 - 2:30pm</b> <b>How HVAC Compliance and Enforcement Modernization Can Create an IoT-based Power Grid</b> Rita Renner California Energy Alliance <b>2:30 - 3:00pm</b> <b>Building &amp; Operating a 36,500 tons per year AD Facility in CA</b> Thomas Gratz Hitachi Zosen INOVA <b>3:00 - 3:30pm</b> California Climate, Investments <b>3:30 - 4:00pm</b> Details Announcing Soon</p>	<p>Session 2A <b>Alternative &amp; Renewable Energy Case Studies &amp; Current Economics</b> <b>Chair:</b> Lori K. Moen, C.E.M., C.E.P., NCSBA, Manager, Solutions Design &amp; management, Customer Energy Seattle City Light <b>2:00 - 2:30pm</b> <b>Waste to Energy, Emerging Gasification Technologies</b> Bernard Brown Aries Clean Energy <b>2:30 - 3:00pm</b> <b>Renewable Energy Hybrid Solutions Behind the Meter</b> Beau Griffey Trane <b>3:00 - 3:30pm</b> Details Announcing Soon <b>3:30 - 4:00pm</b> Details Announcing Soon</p>	<p>Session 3A <b>Solving the Problem of Quantifying Efficiency</b> <b>Chair:</b> Steve Kromer, P.E., Energy Engineer SKEE <b>2:00 - 2:30pm</b> <b>Measure to Manage: M&amp;V at ZNE Facilities</b> Susan Freed County of San Diego <b>2:30 - 3:00pm</b> <b>The Coming Train Wreck in California: Why Interval Meter Based M&amp;V is Bound to Fail</b> John Avina Abraxas Energy Consulting <b>3:00 - 3:30pm</b> Details Announcing Soon <b>3:30 - 4:00pm</b> Details Announcing Soon</p>	<p>Session 4A <b>Big Data &amp; Energy Analytics</b> <b>Chair:</b> Will Coleman, CEO, Lucid <b>2:00 - 2:30pm</b> <b>Beyond Analytics: Software is Enabling Energy Management</b> Will Coleman Lucid <b>2:30 - 3:00pm</b> <b>LSC Transformation - Achieving a 35% Reduction in building Energy Use</b> Julie Pett, The University of British Columbia <b>3:00 - 3:30pm</b> <b>Energy Management Success Stories: Demand Side Energy Management Strategies at NYC Health + Hospitals</b> Diana Eusse, NYC Health &amp; Hospitals <b>3:30 - 4:00pm</b> <b>Connecting Analytics with Accounting</b> Justin Owen Weber State</p>	<p>Session 5A <b>Success in Energy Management &amp; Performance</b> <b>Chair:</b> Sol Rosenbaum, P.E., C.E.M., C.P.M.P., Director, Green &amp; Energy Services, GRS Group <b>2:00 - 2:30pm</b> <b>Training the Next Generation of Energy Engineers; How I Started Mentoring</b> Sol Rosenbaum GRS Group <b>2:30 - 3:00pm</b> <b>\$10 Million Saved (So Far) and a Healthier Planet – Conservation in a K12 School District</b> Kelly Campbell &amp; Jeff Brogden, Mansfield Independent School District <b>3:00 - 3:30pm</b> <b>Keys to Driving a Successful Energy Management Program</b> Leo O'Loughlin JLL <b>3:30 - 4:00pm</b> <b>Presentation Details Announcing Soon</b> Adil Khan Accentz, Inc.</p>

**Expo Hours: 10:00 am - 4:00 pm**

**Thursday**  
June 6th

7:30 - 9:00 am

**CWEEL Breakfast**

A program for women professionals  
& women-owned companies.



*Council on Women in Energy  
& Environmental Leadership*

Join us for a FREE breakfast & case studies of  
successful women-owned businesses in the marketplace.

AEE West Conference Track Sessions 9:00 - 11:00 am

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 <b>Energy Efficiency Policies &amp; Programs</b></p> <p><b>Chair:</b> Ross Dillon, Project Director, WSP</p> <p>9:00 - 9:30am</p> <p><b>Federal Energy &amp; Fiscal Policies Effecting Utility Feeder Systems</b> Fred Petok USDA</p> <p>9:30 - 10:00am</p> <p><b>Rewards for Innovation: How Research and Development Tax Credits Propel Innovation in the Green Building Industry</b> Daniel Audette R&amp;D Tax Savers</p> <p>10:00 - 10:30am</p> <p><b>Education/Training on Using Building Controls Strategies to Maximize Energy Efficiency</b> Kerly Hichcock, British Columbia Institute of Technology</p> <p>10:30 - 11:00am</p> <p><b>Simplifying the Complex Nature of Portfolio- Wide Energy Efficiency Assessments on Leased Commercial Office Space</b> Ross Dillon WSP</p>	<p>Session 2B <b>Transportation, EVs &amp; the Grid</b></p> <p><b>Chair:</b> Ian Metzger, Program Development Engineer, Lockheed Martin Energy</p> <p>9:00 - 9:30am</p> <p><b>Heavy Duty EVs: A Case Study of TVA's Non-Road Transportation Electrification Project</b> Ian Metzger, Lockheed Martin Energy and lead co-presenter: Courtney McKibben, TVA</p> <p>9:30 - 10:00am</p> <p><b>Presentation Details Announcing Soon</b> WSP</p> <p>10:00 - 10:30am Details Announcing Soon</p> <p>10:30 - 11:00am Details Announcing Soon</p>	<p>Session 3B <b>The Evolving Energy Efficient Landscape on the West Coast</b></p> <p><b>Chair:</b> Daniel Lim, Crocus Energy</p> <p>9:00 - 9:30am</p> <p><b>The Next Evolution: Connected Buildings</b> Peter Sharer Trane</p> <p>9:30 - 10:00am</p> <p><b>Powerful Energy – Why the Quantity of Energy Matters</b> Andy Taylor Applied Power Technologies, Inc.</p> <p>10:00 - 10:30am</p> <p><b>Electric Cost Allocation and Rate Design in a New Era</b> Jim Lazar Regulatory Assistance Project</p> <p>10:30 - 11:00am</p> <p><b>Sustainable Make-Over of Farris Engineering Center, University of New Mexico</b> Donald Swick University of Mexico</p>	<p>Session 4B <b>Carbon Neutrality &amp; Zero Net Energy through Efficiency &amp; Innovation</b></p> <p><b>Chair:</b> 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</p> <p><b>Deep Building Retrofits for Energy and Carbon</b> Rod Yeoh DIALOG</p> <p>9:30 - 10:00am</p> <p><b>Resilience and Energy Security at Army Installation</b> Muhammad Bari, US Army - National Training Center Fort Irwin, CA</p> <p>10:00 - 10:30am</p> <p><b>Cost Effective ZNE – Scalable Solutions from Small Commercial Buildings</b> Cindy Regnier, FLEXLAB &amp; John Bruschi Integral Group</p> <p>10:30 - 11:00am</p> <p><b>Zero Energy Buildings – A Path to Zero Carbon</b> Cathy Higgins New Buildings Institute</p>

**Expo Hours: 10:00 am - 2:00 pm**

12 noon - 1:30 pm

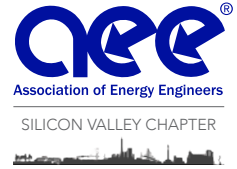
### Conference Attendee Luncheon

Network with attendees, exhibitors & speakers.

**AEE Silicon Valley Chapter Luncheon\***  
Join us for luncheon, a chapter meeting & presentation.



Chapter Lunch Speaker  
Jon Wellinghoff  
Chief Executive Officer,  
**GridPolicy, Inc.**



## AEE West Conference Track Sessions 2:00 - 4:00 pm

TRACK 1: Policy, Trends & Initiatives	TRACK 2: Advanced Technology & Renewables	TRACK 3: Trends in Energy Efficiency	TRACK 4: High Performance & Green Buildings
<p><b>Session 1C</b> <b>Energy Policy West Coast Style</b></p> <p><b>Chair:</b> Napallo Gomez, Manager, Business Energy Solutions, Pacific Gas &amp; Electric Company <b>2:00 - 4:00pm</b></p> <p>This will be a panel discussion and a moderated Q&amp;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><b>Panelists</b> <b>Angela Gordon</b> Lockheed Martin Energy</p>	<p><b>Session 2C</b> <b>The Future of Energy Storage</b></p> <p><b>Chair:</b> John Avina, C.E.M., C.E.A., C.M.V.P., CxA, President, Abraxas Energy Consulting <b>2:00 - 2:30pm</b></p> <p><b>A Battery for Chilled Water Systems - Helping to Address Grid Changes</b> Terry Andrews CALMAC, A Portfolio of Trane <b>2:30 - 3:00pm</b> Greg Miller Ice Energy <b>3:00 - 3:30pm</b></p> <p><b>The Role of Storage in a Comprehensive Distributed Energy Strategy</b> Zach Einterz Stem, Inc. <b>3:30 - 4:00pm</b> Details Announcing Soon</p>	<p><b>Session 3C</b> <b>Data Centers</b></p> <p><b>Chair:</b> Carl Salas, P.E., Founding Principal, Salas O'Brien <b>2:00 - 2:30pm</b></p> <p><b>Managing Extreme Volatility in California Energy Prices</b> Andy Huenefeld Kinect Energy Group <b>2:30 - 3:00pm</b></p> <p><b>Cutting through Computer Room Cooling Complexity</b> Frederick Rebarber Vertiv <b>3:00 - 3:30pm</b></p> <p><b>Data Center Theory vs. Lessons Learned</b> Carl Crizer Sala's O'Brien <b>3:30 - 4:00pm</b></p> <p><b>Lessons Learned from Operating a Large Hospital Data Center and Infrastructure</b> Ryan Pruitt, Valley Medical Center</p>	<p><b>Session 4C</b> <b>Building through Commissioning</b></p> <p><b>Chair:</b> John Salas, P.E., C.E.M., G.B.E., C.B.C.P., LEED AP, Managing Principal, Salas O'Brien <b>2:00 - 2:30pm</b></p> <p><b>Chilled Water System Optimization</b> Duane Warren Hood Patterson &amp; Dewar, Inc. <b>2:30 - 3:00pm</b></p> <p><b>Smart Commissioning at the University of British Columbia</b> Zach Danyluk, University of British Columbia &amp; Adam Rohloff, Altura Associates <b>3:00 - 3:30pm</b></p> <p><b>Presentation Details Announcing Soon</b> James Sanderson Salas O'Brien <b>3:30 - 4:00pm</b> Details Announcing Soon</p>

\* Registration is included for all paid conference attendees and is \$20 for all others.

\*PROGRAM SUBJECT TO CHANGE

**AEE Energy Events**  
Mark Your Calendars

**AEE** ENERGY  
CONFERENCE & EXPO

**WORLD**



## Washington, DC

**Conference Sept. 25-27, 2019**

**Expo Sept. 25-26, 2019**

Walter E. Washington Convention Center  
[world.aeecenter.org](http://world.aeecenter.org)

**AEE** ENERGY  
CONFERENCE & EXPO

**East**



## Cincinnati, OH

**April 21-22, 2020**

Duke Energy Convention Center  
[east.aeecenter.org](http://east.aeecenter.org)

**AEE** ENERGY  
CONFERENCE & EXPO

**West**



## Seattle, WA

**June 24-25, 2020**

Washington State Convention Center  
[west.aeecenter.org](http://west.aeecenter.org)