

## Monday, October 21, 2019

C = CAMELLIA ROOM G = GARDENIA ROOM M = MAGNOLIA ROOM

## 8:00 AM • BREAKFAST

## 9:00 AM • WELCOME

## M Opening Remarks

Join the ETCC's Leadership Team for opening remarks from Southern California Edison's **Edwin Hornquist**, Statewide Lead of California's Electric Emerging Technologies Program.

## 9:15 AM • OPENING KEYNOTE

## M Trends in Energy Efficiency and Energy Management

Kick off the summit with our opening keynote panelists as they clear the haze surrounding the future of energy efficiency and energy management, nationally and in California.

Moderated by **Roland Risser**, Former Deputy Assistant Secretary for Renewable Power, U.S. Department of Energy.

- **Steve Chalk**, VP, Strategic Marketing Innovations
- **Janea A. Scott**, Vice Chair, California Energy Commission
- **Katie Sloan**, Director, eMobility and Building Electrification, Southern California Edison
- **Sharon Tomkins**, VP, Strategy and Engagement, SoCalGas

## 10:15 AM • BREAK

## 10:45 AM • BREAKOUT SESSIONS

## C Advancing Emerging Technologies in the Public Sector (from Tech to Programs to Policy to Code)

Join a thought-provoking discussion about bringing emerging technologies into the often underserved public sector buildings, including the programs, policies, and codes driving adoption.

Moderated by **Chris Malotte**, Senior Advisor, Southern California Edison.

- **Nick Docous**, Principal, Lionakis
- **Farah Farzaneh**, Director, Facilities Planning & Construction, San Bernardino Community College District
- **David Phillips**, Associate VP, Energy and Sustainability, University of California, Office of the President
- **Drew L. Johnstone**, Sustainability Analyst, City of Santa Monica

## G Commercial Buildings: Accelerating Pathways to Scale

Commercial facilities are often the first to adopt innovative multisystem or whole-building solutions for energy efficiency. This panel will discuss technologies and strategies to help customers reduce energy and operating costs.

Moderated by **Mary Ann Piette**, Director, Building Technology & Urban Systems Division, Lawrence Berkeley National Laboratory.

- **Anne Eisele**, Director, Projects and Energy Management, Pomona College
- **Aaron Katzenstein**, Manager, Science & Technology Advancement, South Coast Air Quality Management District
- **Abhijeet Pande**, VP, Research and Technology Commercialization, TRC

## 11:45 AM • LUNCH

## 12:45 PM • BREAKOUT SESSIONS

## C How Technologies Move through the Framework

A panel of industry leaders share their experiences and advice for moving emerging technologies from the idea stage to energy efficiency program inclusion.

Moderated by **Jim Parks**, Director, Customer Care and Marketing, Sacramento Municipal Utility District.

- **Kim Erickson**, Principal Program Manager, Consortium for Energy Efficiency
- **Bryan Jungers**, Lead Analyst, Technology Assessment, E Source
- **Chris Vallis**, Cofounder & COO, Livingstone Consulting

## G New Technologies in Commercial HVAC

Our speakers in this session will share their experiences with innovative technologies in commercial spaces, including dispatchable condenser air precoolers, RTU optimization packages, and software-controlled switch reluctance motors.

Moderated by **Mark Modera**, Director, Energy and Efficiency Institute / Western Cooling Efficiency Center, UC Davis.

- **Caton Mande**, R&D Engineer, Western Cooling Efficiency Center, UC Davis
- **Bob French**, Chief Evangelist, 75F
- **Theresa Pistochini**, Engineering Manager, Energy and Efficiency Institute, UC Davis

## 1:45 PM • BREAK

## 2:15 PM • BREAKOUT SESSIONS

## C Perspective: What's Happening Outside of California

In this plenary session, utility staff from outside of California discuss what is driving their energy efficiency work and how they're adjusting to changes in their territories.

Moderated by **Mark Rehley**, Senior Manager, Emerging Technology and Product Management, Northwest Energy Efficiency Alliance.

- **Keshmira McVey**, Program Manager, Energy Efficiency Emerging Technology, Bonneville Power Administration
- **Mark Milby**, Manager, Energy Efficiency R&D, Commonwealth Edison
- **Randy Opdyke**, Energy Efficiency Manager, Planning, Evaluation and Analytics, Nicor Gas

## G Super Solutions for Super Pollutants for Commercial Refrigeration

Get an overview of the commercial refrigeration dream team—energy efficiency, low GWP, and low water consumption—and how the supermarket and convenience store industries plan to reduce GHGs.

Moderated by **Danielle Wright**, Executive Director, North American Sustainable Refrigeration Council.

- **Aanchal Kohli**, Air Resources Engineer, California Air Resources Board
- **Edward R. Estberg**, Refrigeration Consultant, Raley's
- **Paul Delaney**, Senior Engineer, Southern California Edison

## 3:15 PM • BREAK

## 3:30 PM • PLENARY SESSION

## M Customer and Implementer Perspectives on Adoption of Innovation and Emerging Technologies

Industry leaders talk about successes with implementing emerging technologies in the ever-changing California landscape, such as their experiences with developers, government, and utility companies.

Moderated by **Kevin M. Powell**, Director, Emerging Building Technologies, U.S. General Services Administration.

- **Jan Berman**, Director, Grid Innovation, Pacific Gas and Electric
- **Michael Groppi**, COO / Chief Engineer, Energy & Sustainability, CBRE
- **Gene Rodrigues**, VP, ICF

## Tuesday, October 22, 2019

C = CAMELLIA ROOM G = GARDENIA ROOM M = MAGNOLIA ROOM

## 8:00 AM • BREAKFAST

## 9:00 AM • PLENARY SESSION

## M The Importance of Innovation and Looking Beyond EE

Get insights on the future of the built environment and grid interaction for a more sustainable economy, including grid-interactive efficient buildings, distributed energy resources, and adoption of technologies.

Moderated by **Ryan Fedie**, Engineering Manager, Bonneville Power Administration.

- **Nancy Ander**, Deputy Director, Office of Sustainability, California Department of General Services
- **Mary Ann Piette**, Director, Building Technology & Urban Systems Division, Lawrence Berkeley National Laboratory
- **Alison Silverstein**, Consultant, Alison Silverstein Consulting

## 10:15 AM • BREAK

## 10:45 AM • BREAKOUT SESSIONS

## C The Water and Energy Nexus in Agriculture

This session will present innovative practices in water in the agricultural space from several perspectives, including an industry group, university research, and end-use.

Moderated by **Kathleen Ave**, Senior Climate Program Manager, Sacramento Municipal Utility District.

- **Guangwei Huang**, Associate Director, Food Research and Technology, Almond Board of California
- **Frank Loge**, Professor, Department of Civil and Environmental Engineering, UC Davis; Director, Center for Water-Energy Efficiency, UC Davis
- **Kevin Langham**, Senior Project Manager, PowWow Energy

## G From Green to Grid: The Future of Residential and Multifamily Housing

Take a close look at projects built to meet high energy efficiency standards. Our panelists share insights on low-income housing, senior housing, and a grid-integrated ZNE community.

Moderated by **Cathy Higgins**, Research Director, New Buildings Institute.

- **Ryan McFadyen**, Engineer, Building Electrification, Southern California Edison
- **Bryan Dove**, Director, Asset Management, Mutual Housing California
- **Karl Johnson**, Founder & CEO, BeyondFire

## 11:45 AM • LUNCH

## 12:45 PM • BREAKOUT SESSIONS

## C Incubators: View on the Future of Emerging Technologies in California

Hear the latest on California incubators from our panel of leading experts as they discuss trends, their experiences, and impressions of the state of the industry.

Moderated by **Erik Stokes**, Manager, California Energy Commission.

- **Alyssa Gutner-Davis**, Program Manager, Southern California Energy Innovation Network, Cleantech San Diego
- **Helle Petersen**, Project Manager, Water, Energy and Technology Center, Fresno State
- **Nneka Uzoh**, Director, Energy Innovation, Elemental Excelsior
- **Stephanie Yanchinski**, Executive Director, FLOW/Rocket Fund, The Resnick Sustainability Institute, California Institute of Technology

## G Trends and Opportunities in Residential HVAC Systems

Our panel showcases what's next in residential HVAC systems, including cutting-edge research, products, and outcomes from a demonstration of a next-gen space conditioner.

Moderated by **Ron Domitrovic**, Program Manager, Electric Power Research Institute.

- **Ammi Amarnath**, Senior Technical Executive, Energy Utilization Research Area, Electric Power Research Institute
- **Thomas Howard**, President, Lee's Air
- **Ruth Ann Davis**, VP, Strategic Markets & Relationships, Williams
- **Antonio M. Bouza**, Technology Manager, Building Technologies Office, U.S. Department of Energy

## 1:45 PM • BREAK

## 2:15 PM • BREAKOUT SESSIONS

## C Normalized Metered Energy Consumption

NMEC is a powerful new tool in the M&V toolkit, but it isn't without its challenges. Join this lively discussion of M&V 2.0—best practices, procedures, approaches, tools, and NMEC implementation.

Moderated by **Dallen Coulter**, Engineer, Southern California Edison.

- **David Jump**, Director, kW Engineering
- **Sarah Monohon**, Consultant, Evergreen Economics
- **Jessica Granderson**, Staff Scientist and Deputy for Research Programs, Building Technology and Urban Systems Division, Berkeley Lab

## G Industrial Tech Potpourri: Process Solutions for Energy and the Environment

Learn about emerging technologies with high energy savings in the industrial sector with presentations on low-charge ammonia process chillers, variable speed drives with smart controllers for HPU's, and warm-mix asphalt.

Moderated by **G.P. Li**, Division Director, California Institute for Telecommunications and Information Technology.

- **Eric Noller**, Principal, Energy Resources Integration
- **Soren Rasmussen**, Managing Director, Green Hydraulic Power
- **Ammi Amarnath**, Senior Technical Executive, Energy Utilization Research Area, Electric Power Research Institute

## 3:15 PM • BREAK

## 3:30 PM • CLOSING KEYNOTE

## M Looking Ahead to 2050: Decarbonization and Integrated Customer Opportunities

To close the summit, our keynote panelists will provide insight on meeting the state's 2050 decarbonization goals and discuss opportunities and challenges.

Moderated by **Gary Barsley**, Senior Manager, Emerging Products & Technologies Program, Southern California Edison.

- **Obadiah Bartholomy**, Manager, Distributed Energy Strategy, Sacramento Municipal Utility District
- **Yuri Freedman**, Senior Director, Business Development, SoCalGas
- **Lisa Hannaman**, Account Manager, Southern California Edison
- **John Larrea**, Director, Government Affairs, California League of Food Producers

Participate in  
Live Polls! Text:

Magnolia and Camellia: (206) 922-1221  
Gardenia: (206) 452-5750