

WESTERN

CONFERENCE OF PUBLIC SERVICE COMMISSIONERS

2016



AGENDA

SUNDAY - WEDNESDAY

MAY 22 - 25, 2016

Hyatt Regency Lake Tahoe Resort, Spa & Casino
Lake Tahoe, Nevada

General Information

Hotel Information

Hyatt Regency Lake Tahoe Resort, Spa & Casino
111 Country Club Drive
Incline Village, NV 89451
(775) 832-1234
www.laketahoe.hyatt.com

Registration and Information Desk

The NARUC registration and information desk will be open the following hours:

Sunday	3 p.m.–6 p.m.
Monday	7:30 a.m.–5 p.m.
Tuesday	7:30 a.m.–5 p.m.
Wednesday	7:30 a.m.–12 p.m.

Badge Color Identification

Badges must be worn and visible at all times when attending a WCPSC meeting or event.

Blue:	Commissioners
Green:	Industry
Red:	Commission Staff
Tan:	Public Interest/Consumer Groups/Federal/State Agencies (nonmembers)
Purple:	Media

Suggested Attire

Business casual is suggested during general and educational sessions. Meeting rooms have a tendency to be cool. We suggest you bring a sweater or jacket for your comfort.

Welcome Reception: This event will be held outside on the lawn, weather permitting. Please dress appropriately. The reception may be moved indoors for inclement weather.

Educational Activities: The catamaran tours will be on the lake. Please dress appropriately. Closed-toed shoes are required for the geothermal tour.

Event Tickets

Tickets are required from everyone for entry to the Sunday Welcome Reception, Monday Luncheon and Tuesday Reception and Dinner. See the registration desk for guest ticket information and fees.

Electronic Devices

In consideration of the speakers and your colleagues, please turn off all cellular phones and other communication devices while in any of the sessions. Your cooperation and courtesy is appreciated.

Taping/Video Policy

Unless you receive prior approval from WCPSC, only credentialed members of the press are allowed to tape or video WCPSC sessions. This policy gives comfort to our speakers and protects WCPSC from potential legal action. If you wish to tape or record any portion of the WCPSC meeting, please contact Dawn Rivard at drivard@puc.nv.gov for permission.

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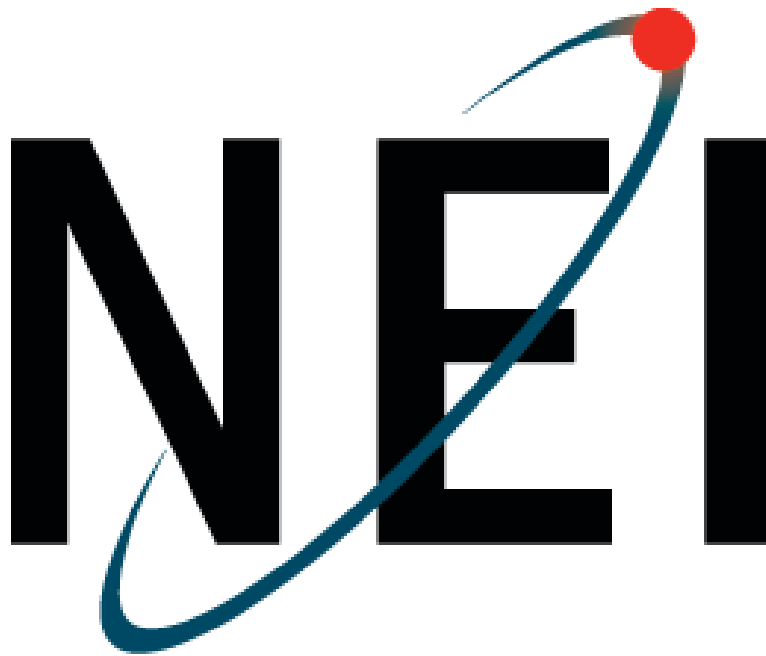
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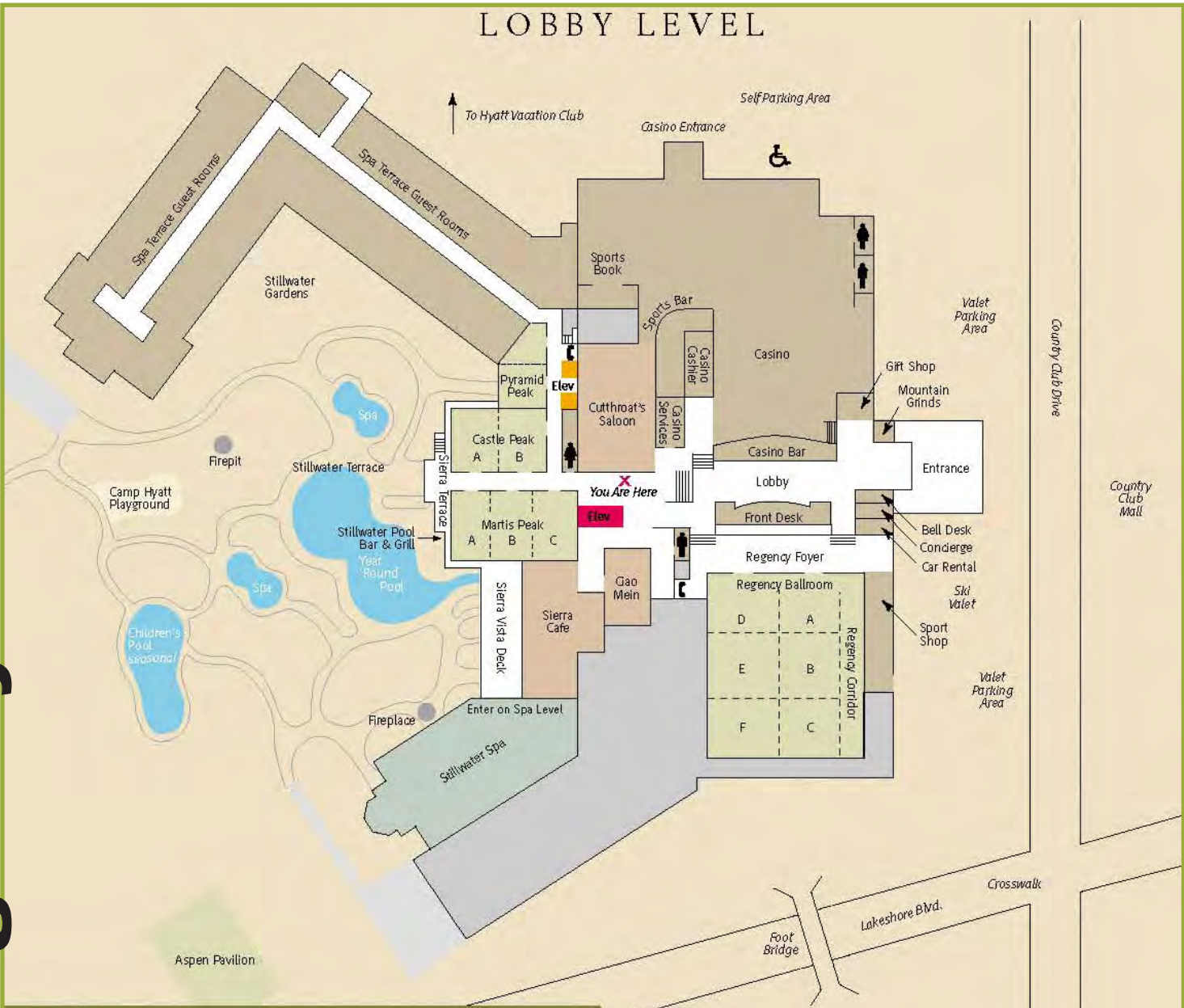


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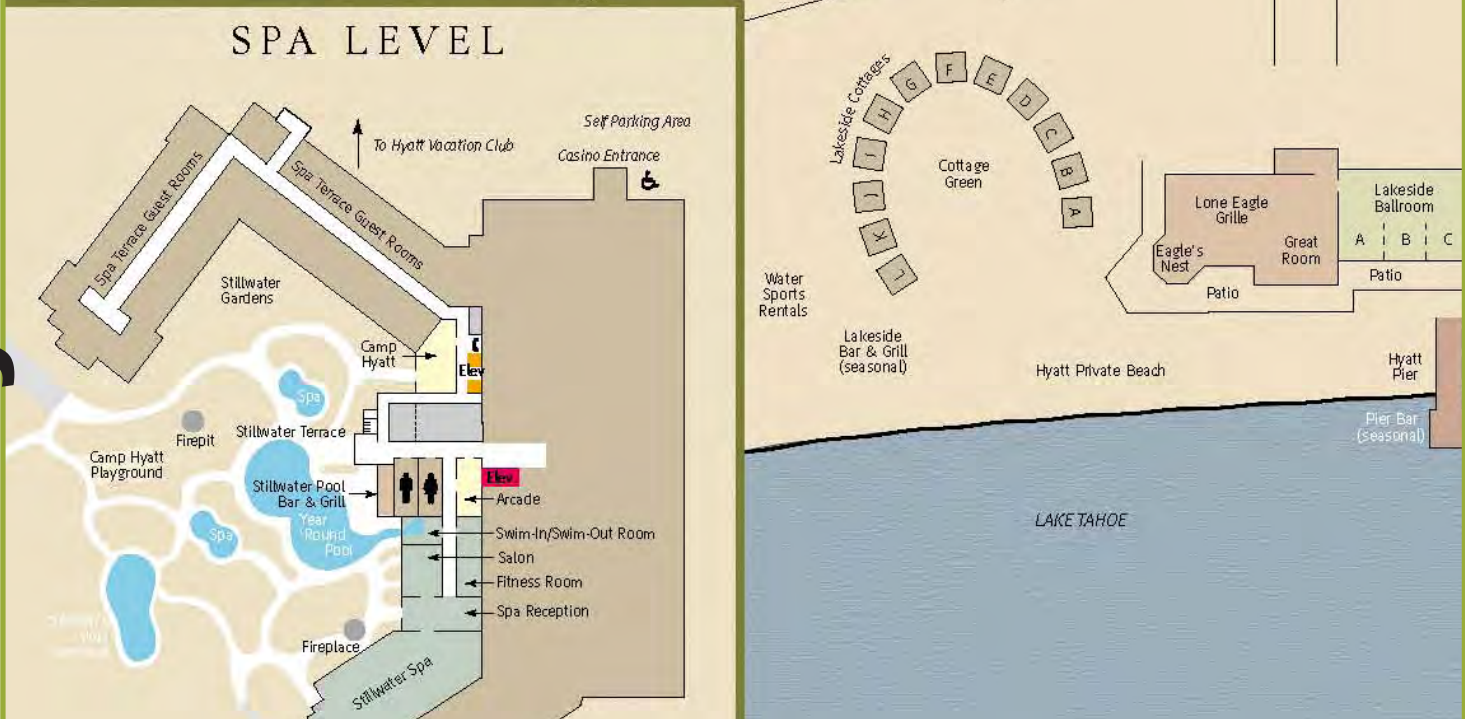


Hyatt Regency Lake Tahoe

LOBBY LEVEL



SPA LEVEL



Daily Schedule at a Glance

SUNDAY, MAY 22

TIME	EVENT	LOCATION
2:00 p.m. - 4:00 p.m.	EIM Body of State Regulators	Castle Peak
3:00 p.m. - 6:00 p.m.	Registration	Cutthroats Lobby
5:00 p.m. - 6:30 p.m.	Welcome Reception	Upper Courtyard Green

MONDAY, MAY 23

TIME	EVENT	LOCATION
7:00 a.m. - 8:00 a.m.	Continental Plus Breakfast	Castle Peak
7:30 a.m. - 5:00 p.m.	Registration	Cutthroats Lobby
8:00 a.m. - 8:15 a.m.	Welcome and Introductions	Regency A, B & C
8:15 a.m. - 9:45 a.m.	GS1 - CEO Perspective	Regency A, B & C
9:45 a.m. - 10:00 a.m.	Networking Break	Regency Foyer
10:00 a.m. - 11:15 a.m.	GS2 - Smart Solar & Smart Grid: The Path Forward in the Virtual Age	Regency A, B & C
11:15 a.m. - 11:30 a.m.	Networking Break	Regency Foyer
11:30 a.m. - 12:30 p.m.	A1 - Long Term Natural Gas Contracting	Regency D
11:30 a.m. - 12:30 p.m.	A2 - Public Utilities Commission 2.0: Preparing Commissions to Meet Utility and Customer Needs of the Future	Regency E & F
12:30 p.m. - 1:30 p.m.	Luncheon	Regency A, B & C
1:30 p.m. - 1:45 p.m.	Networking Break	Regency Foyer
1:45 p.m. - 2:45 p.m.	B1 - Post 2017 Hoover Power Contracting	Regency D
1:45 p.m. - 2:45 p.m.	B2 - The Future Role of USF Subsidies in the Provision of Telecommunications Services in the West	Regency E & F
2:45 p.m. - 3:00 p.m.	Networking Break	Regency Foyer
3:00 p.m. - 4:15 p.m.	GS3 - The Energy Imbalance Market – Lessons Learned, Benefits and Governance	Regency A, B & C
4:30 p.m. - 5:30 p.m.	WCPSC Business Meeting	Castle Peak

Daily Schedule at a Glance

TUESDAY, MAY 24

TIME	EVENT	LOCATION
7:00 a.m. - 8:00 a.m.	Continental Plus Breakfast	Castle Peak
7:30 a.m. - 5:00 p.m.	Registration	Regency Foyer
8:00 a.m. - 9:15 a.m.	GS4 - Commissioner Roundtable #1	Regency A, B & C
9:15 a.m. - 9:30 a.m.	Networking Break	Regency Foyer
9:30 a.m. - 10:45 a.m.	C1 - Nuclear Power, the Next Generation	Regency D
9:30 a.m. - 10:45 a.m.	C2 - Natural Gas Safety	Regency E & F
10:45 a.m. - 11:00 a.m.	Networking Break	Regency Foyer
11:00 a.m. - 12:15 p.m.	D1 - Water, Communications, Energy Nexus	Regency D
11:00 a.m. - 12:15 p.m.	D2 - Superior Energy Performance/Research & Development	Regency E & F
12:15 p.m. - 1:00 p.m.	Boxed Lunch Pick Up	Regency Foyer
1:00 p.m. - 5:30 p.m.	Afternoon Activities	Outside
6:30 p.m. - 7:30 p.m.	Reception	Lakeside Ballroom
7:30 p.m. - 9:30 p.m.	Dinner	Lakeside Ballroom

WEDNESDAY, MAY 25

TIME	EVENT	LOCATION
7:00 a.m. - 8:00 a.m.	Continental Plus Breakfast	Regency Foyer
7:30 a.m. - 12:00 p.m.	Registration	Regency Foyer
8:00 a.m. - 9:00 a.m.	E1 - Ongoing Grid Innovations	Regency A, B & C
8:00 a.m. - 9:00 a.m.	E2 - Role of Energy Efficiency for Water Utilities	Regency D
9:00 a.m. - 9:15 a.m.	Networking Break	Regency Foyer
9:15 a.m. - 10:30 a.m.	GS5 - The Net Energy Metering Rate Design Players: Understanding the Perspectives On Different Rate Design Mechanisms	Regency A, B & C
10:30 a.m. - 10:35 a.m.	Presentation on the 2017 WCPSC	Regency A, B & C
10:35 a.m. - 11:45 a.m.	GS6 - Commissioner Roundtable #2	Regency A, B & C

General Sessions & Breakouts

Monday, May 23 | 8:00 a.m. - 8:15 a.m.

Welcome & Introductions | Regency A, B & C

Moderator: Commissioner David Noble, WCPSC President, Nevada Public Utilities Commission

Monday, May 23 | 8:15 a.m. - 9:45 a.m.

General Session 1 | CEO Perspective | Regency A, B & C

Abstract: Recent achievements and prospects for the future - what has transpired and what is to come?

Moderator: Chairman Doug Little, Arizona Corporation Commission

Panelists: Paul Caudill, President & CEO NV Energy
John Hester, President & CEO, Southwest Gas Corporation
Jim Hughes, CEO, First Solar, Inc.
Lisa Sparrow, President & CEO, Utilities, Inc.
Stephanie Tyler, President, External Affairs - Western Region, AT&T

Monday, May 23 | 10:00 a.m. - 11:15 a.m.

General Session 2 | Smart Solar & Smart Grid: The Path Forward in the Virtual Age | Regency A, B & C

Abstract: New technologies at all levels in the grid involving utilities, independent third party developers/aggregators and customers are providing opportunities for integration of renewables and distributed energy resources to support modern grid operations.

Moderator: Commissioner Lorraine Akiba, Hawaii Public Utilities Commission

Panelists: Dan Halperin, Director of Distributed Generation, Pacific Gas & Electric
Ted Ko, Director of Policy, Stem
Kate McGinnis, Market Director, Western U.S., AES Energy Storage
Matt Muniz, Facilities Manager, General Services Agency, County of Alameda
Todd Ryan, Director of Regulatory Affairs, Smart Wires Inc.
Jason Simon, Director of Policy Strategy, Enphase Energy

Monday, May 23 | 11:30 a.m. - 12:30 p.m.

Breakout A1 | Long Term Natural Gas Contracting | Regency D

Abstract: Long Term Contracts for fuel supplies used to be the norm but have fallen out of favor in the last few decades. Hedging has become synonymous with the use of short-term market instruments to hedge short-term risk. Panelists will provide education on the differences between short-term hedging of market risk, long-term commodity supply contracts, and the reserves investments where the utility actually owns the resource-in-the-ground, and discuss recent experiences with long-term contracting.

Moderator: David Dismukes, Executive Director & Professor, Center for Energy Studies, Louisiana State University

Panelists: Will Shappley, Managing Director – East Structured Products Americas, BP Energy Company
Lane Sisung, Principal, The Sisung Group

General Sessions & Breakouts

Breakout A2 | Public Utilities Commission 2.0: Preparing Commissions to Meet Utility and Customer Needs of the Future | Regency E & F

Abstract: Regulatory commissions, as well as electric and gas utilities, must evolve to take on new opportunities and challenges such as the growth of distributed generation, more customer choice, aging utility infrastructure, and aging utility workforces. This panel will introduce tools and processes Commissions can adopt to take on these new regulatory challenges and opportunities, including alternatives to traditional ratemaking and methods for improving technical expertise and customer engagement.

Moderator: Commissioner Carla Peterman, California Public Utilities Commission

Panelists: Ron Binz, Principal, Public Policy Consulting
Commissioner Michael Champley, Hawaii Public Utilities Commission
Carl Linvill, Principal, Regulatory Assistance Project
Bob Rowe, President & CEO, Northwestern Energy

Monday, May 23 | 1:45 p.m. - 2:45 p.m.

Breakout B1 | Post 2017 Hoover Power Contracting | Regency D

Abstract: Building the framework to meet the challenges of delivering Hoover hydropower for the next 50 years. Panelists from local and state government agencies in Nevada, California, and Arizona will present the legal history of Hoover power and explain the negotiation process used by two federal agencies and 46 contractors to develop new 50-year Hoover power contracts.

Moderator: Commissioner Alaina Burtenshaw, Nevada Public Utilities Commission

Panelists: Ann Pongracz, Special Counsel to the Colorado River Commission of Nevada
Joseph Vanderhorst, Assistant General Counsel, Metropolitan Water District of Southern California
Brittany Lewis-Roberts, Associate Attorney, Somach, Simmons & Dunn

Breakout B2 | The Future Role of USF Subsidies in the Provision of Telecommunications Services in the West | Regency E & F

Abstract: The Universal Service Fund has evolved from a fairly narrow prescribed use to one that now spans different technologies, including wireline, fixed and mobile wireless, satellite and broadband. This evolution has changed the way universal service subsidies are now distributed at both the federal and state levels, spawning new funding mechanisms, service standards and eligible technologies. What is the future role of both federal and state universal service funding in the Western United States and how should it be different from how state and federal universal service support is allocated and distributed today?

Moderator: Steven Tackes, Kaempfer Crowell

Panelists: Hank Hultquist, Vice President of Federal Regulatory, AT&T
Esther Northrup, Senior Director, State Regulatory Affairs, Cox Communications
Lynn Notarianni, Telecom Section Chief, Colorado Public Utilities Commission
Commissioner Catherine Sandoval, California Public Utilities Commission

General Sessions & Breakouts

Monday, May 23 | 3:00 p.m. - 4:15 p.m.

General Session 3 | The Energy Imbalance Market – Lessons Learned, Benefits and Governance Regency | Regency A, B & C

Abstract: Representatives of the California Independent System Operator (CAISO), participating EIM entities, and members of the nominating committee for the EIM Governing Body recap the events of the last year, and what the future brings for the Energy Imbalance Market in the West.

Moderator: Commissioner Ann Rendahl, Washington Utilities and Transportation Commission

Panelists: Frank Afranji, Director, Transmission & Reliability Services, Portland General Electric
Bradley Albert, General Manager, Resource Management, Arizona Public Service Company
Peter Colussy, External Affairs Manager – Regional, California ISO
Dede Hapner, Vice President, FERC and ISO Relations, Pacific Gas & Electric
Chairman Doug Little, Arizona Corporation Commission
Sarah Edmonds, Vice President & General Counsel, Pacificorp Transmission
Mariah Kennedy, Manager, Federal & Regional Policy, Puget Sound Energy, Inc.
Walter Spansel, Vice President, Transmission, NV Energy

Tuesday, May 24 | 8:00 a.m. - 9:15 a.m.

General Session 4 | Commissioner Roundtable #1 | Regency A, B & C

Moderator: Chairman Joshua Epel, Colorado Public Utilities Commission

Panelists: Commissioner Michael Champley, Hawaii Public Utilities Commission
Chairman Brad Johnson, Montana Public Service Commission
President Paul Kjellander, Idaho Public Utilities Commission
Commissioner Patrick Lyons, New Mexico Public Regulation Commission
Commissioner Stephen McAlpine, Alaska Regulatory Commission
Chairman Al Minier, Wyoming Public Service Commission

Tuesday, May 24 | 9:30 a.m. - 10:45 a.m.

Breakout C1 | Nuclear Power, the Next Generation | Regency D

Abstract: The Western region of the U.S. is seeing a wave of interest in new advanced nuclear technology development, with new companies looking to broaden the type and size of nuclear technologies available. The federal government has also announced a number of new programs, including the Gateway for Accelerated Innovation in Nuclear (GAIN), to help new reactor developers. This panel will feature a discussion about the opportunities and challenges associated with new reactor development. In addition, a federal government representative will discuss nuclear technology research and development. With the efforts of these organizations and others, the private and public sectors are moving forward to capitalize on American innovation and provide additional light-water and advanced reactor technology options for the future.

Moderator: Commissioner Phil Jones, Washington Utilities and Transportation Commission

Panelists: Chris Colbert, Chief Strategy Officer, NuScale Power
Everett Redmond, Senior Director, Nuclear Energy Institute
John C. Wagner, Chief Scientist, Materials and Fuels Complex, Idaho National Laboratory

General Sessions & Breakouts

Breakout C2 | Natural Gas Safety | Regency E & F

Abstract: How states are addressing gas storage, master meter conversions and monitoring gas quality to ensure safe, reliable service for ratepayers.

Moderator: Commissioner Kara Brighton, Wyoming Public Service Commission

Panelists: Paul Maguire, Manager, Engineering, Nevada Public Utilities Commission
President Michael Picker, California Public Utilities Commission

Tuesday, May 24 | 11:00 a.m. - 12:15 p.m.

Breakout D1 | Water, Communications, Energy Nexus | Regency D

Abstract: This session will explore the current and changing use of communications technologies by water and energy utilities to run their systems safely and reliably, and to identify and collect data. Communications technologies increasingly connect energy utilities, grid operators, and customers to the Internet of Things (IoT) such as connected lighting, air conditioning, thermostats, appliances, and hot water heaters. States are considering communications standards for smart inverters to control distributed energy and other grid resources. Water and energy utilities use communications to monitor substations, water treatment plants, and other vital facilities. Many of those water and energy facilities are located in remote and rural areas without robust access to wireless, fiber, or IP-based platforms, and rely on telephone lines to connect their facilities to alarms and utility personnel. This panel will explore policy, technology, and innovation to maintain and enhance utility, grid, and customer reliability, safety, and just and reasonable rates.

Moderator: Commissioner Catherine Sandoval, California Public Utilities Commission

Panelists: Sharelynn Moore, Vice President, Global Marketing and Public Affairs, Itron Inc.
Commissioner Alaina Burtenshaw, Nevada Public Utilities Commission
Allison Ellis, Vice President, Regulatory Affairs, Frontier Communications
David Henry, Director, Technical Services, California Water Service Company
Jeff Stewart, Executive Director, Global Public Policy, AT&T
Danny Zaragosa, Director, Electric Distribution Operations, San Diego Gas & Electric

Breakout D2 | Superior Energy Performance/Research & Development | Regency E & F

Abstract: This session will focus on two major topics: the U.S. Department of Energy's Superior Energy Performance Program (SEP Program), and Research and Development (R&D) advancements in the energy sector. The SEP Program offers a comprehensive approach to energy efficiency and energy performance improvement. R&D in new energy technologies have led to increased renewable energy penetrations as well as energy efficiency gains. Panelists will delve into new technologies and the promising innovations that are coming from R&D in the energy world.

Moderator: Hayley Williamson, Assistant General Counsel, Nevada Public Utilities Commission

Panelists: Ken Costello, Principal Researcher, National Regulatory Research Institute
Barbara O'Neill, Manager, Grid Integration, National Renewable Energy Laboratories
Alice Napoleon, Senior Associate, Synapse Energy Economics, Inc.

Tuesday, May 24 | 1:00 p.m. - 5:30 p.m.

Afternoon Activities | Outside

- **Catamaran tour of Lake Tahoe**
1 p.m. – 3:00 p.m.
- **Catamaran tour of Lake Tahoe**
3:30 p.m. – 5:30 p.m.
- **Ormat Geothermal Plant Tour**
1 p.m. – 5:00 p.m.
Transportation provided.

General Sessions & Breakouts

Wednesday, May 25 | 8:00 a.m. - 9:00 a.m.

Breakout E1 | Ongoing Grid Innovations | Regency A, B & C

Abstract: Solar—Increasing ways in which renewable resources can provide similar types of reliability services that are currently provided by conventional resources resulting in more renewables integrating renewables.
Reliability Enhancements—Improving grid operations regionally; tools such as the Enhanced Curtailment Calculator could provide greater data granularity and more effectively identify system conditions.
Storage—Increasing the use of energy storage systems through regional coordination can integrate higher penetrations of renewables and reduce curtailments.
Distributed Energy Resources—Developing tools to provide pricing signals to the market to increase access by aggregated distribution connected resources.

Moderator: Lon Huber, Director, Government and Utility Practice, Strategen Consulting

Panelists: Tom Flynn, Manager, Infrastructure Policy Development, California ISO
Rachel Gold, Policy Director, Large-Scale Solar Association
Alex Morris, Policy Director, California Energy Storage Alliance
Brett Wangen, Engineering Director, Peak Reliability

Breakout E2 | Role of Energy Efficiency for Water Utilities | Regency D

Abstract: Energy efficiency is an important consideration for water utilities. What are water utilities implementing in terms of energy efficiency? What is driving the implementation of energy efficiency measures? Are water utility customers realizing any benefits from energy efficiency? The panelists will discuss these issues and their experiences with energy efficiency.

Moderator: Donald Lomoljo, Hearing Officer, Nevada Public Utilities Commission

Panelists: Richard Svindland, Vice President, Operations, California American Water
Howard Geller, Executive Director, Southwest Energy Efficiency Project
Rebecca Franklin, Regulatory Advocate, Association of California Water Agencies

Wednesday, May 25 | 9:15 a.m. - 10:30 a.m.

General Session 5 | The Net Energy Metering Rate Design Players: Understanding the Perspectives on Different Rate Design Mechanisms | Regency A, B & C

Abstract: This session will put rate design mechanisms under the microscope and assess the potential benefits, costs and ratepayer impacts as seen from various stakeholder perspectives. Lisa Schwartz, who leads the Future Electric Utility Regulation project for DOE's Grid Modernization Initiative, will lead a frank discussion on net metering rate design issues, alternative tariff designs for solar PV (e.g., feed-in-tariffs and value of solar tariffs), impacts on nonparticipating customers and the recovery of fixed utility costs.

Moderator: Lisa Schwartz, Energy Efficiency Team Leader, Electricity Markets and Policy Group, Lawrence Berkeley National Laboratory

Panelists: Shawn Elicegui, Senior Vice President, Regulation & Strategic Planning, NV Energy
Commissioner Mike Florio, California Public Utilities Commission
Wendy Gerlitz, Policy Director, Northwest Energy Coalition
Bob Jenks, Director, Citizen's Utility Board of Oregon

General Sessions & Breakouts

Wednesday, May 25 | 10:30 a.m. - 10:35 a.m.

Presentation on the 2017 WCPSC | Regency A, B & C

Moderator: Commissioner Stephen McAlpine, WCPSC Vice President, Alaska Regulatory Commission

Wednesday, May 25 | 10:35 a.m. - 11:45 a.m.

General Session 6 | Commissioner Roundtable #2 | Regency A, B & C

Moderator: Commissioner Kristine Raper, Idaho Public Utilities Commission

Panelists: Chairman Thad LeVar, Utah Public Service Commission
Commissioner Liane Randolph, California Public Utilities Commission
Commissioner Ann Rendahl, Washington Utilities and Transportation Commission
Commissioner Bob Stump, Arizona Corporation Commission
Chairman Paul Thomsen, Nevada Public Utilities Commission
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