

**WESTERN CONFERENCE OF  
PUBLIC SERVICE COMMISSIONERS**

**SEATTLE**

**JUNE 1-4, 2014**



JAY INSLEE  
Governor



## ***Greetings from the Governor***

*June 2, 2014*

**Welcome to the great state of Washington** and the beautiful city of Seattle! I hope you find the time to enjoy all that we have to offer – the mountains and the water, our museums and theatres, and most of all, our people.

The NARUC Western Conference of Public Service Commissioners provides an excellent forum to discuss and share ideas on topics such as telecommunications, pipeline safety and clean and sustainable energy. This is critical work with many dimensions, from climate change and economic development to energy security in a very volatile world.

I am confident that what you share and learn here will be useful to you and the people you serve. May you enjoy this conference and head home not only with new perspectives on important issues but also with an appreciation for the beauty of our state and the hospitality of our people.

Very truly yours,

A handwritten signature in black ink, appearing to read "Jay Inslee".

Jay Inslee  
Governor



#### **A Message from the WCPSC President**

On behalf of the Washington Utilities and Transportation Commission (UTC), it is my pleasure to welcome you to Seattle for the annual meeting of the Western Conference of Public Service Commissioners (WCPSC).

We are proud to offer a substantive agenda, fun and informative field trips, and fresh Northwest cuisine.

There are many people and organizations who have made this conference happen. I hope you will join me in thanking them:

- Our team at the UTC that has worked diligently to organize the conference;
- The commissioners, speakers, and panelists who have taken time out of their busy schedules to join our discussions;
- Our field trip hosts, the Bullitt Foundation, Puget Sound Energy, Microsoft, and UniEnergy Systems, for making their facilities available to conference attendees; and
- Our generous sponsors (listed on pages 7-9), without whom this conference could not have happened.

Though this conference will have many great substantive sessions, I hope that you and your guests can find time to enjoy what Seattle and the Puget Sound area have to offer.

If you have any questions or need anything, please stop by the registration table.

Enjoy your time in the beautiful city of Seattle and the state of Washington. Thank you for joining us!

Jeff Goltz, President, Western Conference of Public Service Commissioners  
Commissioner, Washington Utilities and Transportation Commission



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## GENERAL INFORMATION

### **Name Badges**

WCPSC 2014 name badges should be worn at all times throughout the conference for identification as official WCPSC attendees and guests. Your name badge is your ticket into conference sessions, some meals and activities. Tickets for the reception, Monday lunch, and Tuesday dinner will be provided at registration.

Name badges are color-coded for these categories:

Navy – Commissioner

Red – Speaker

Goldenrod – Sponsor

Green – Press

### **Registration and Information Area**

The WCPSC 2014 registration and information area is located in the Spanish Foyer. It will also serve as a message desk for messages directed to WCPSC attendees during the conference. The registration and information area will be open during these hours (Pacific Standard Time):

Sunday	10:00 am – 6:00 pm
Monday	7:00 am – 6:00 pm
Tuesday	7:00 am – 6:00 pm
Wednesday	7:00 am – 10:00 am

### **Family Guests**

Please see the staff at the WCPSC 2014 registration and information area if you have questions regarding family or guest tours, or participation by family members in WCPSC activities. They can provide you with materials or ideas for other activities in the Seattle area during your visit.

### **Cell Phones and Electronic Devices**

Please refrain from using cell phones and wireless devices that may be distracting to other attendees during sessions and please use vibrate mode to avoid distractions.

### **Seattle Area**

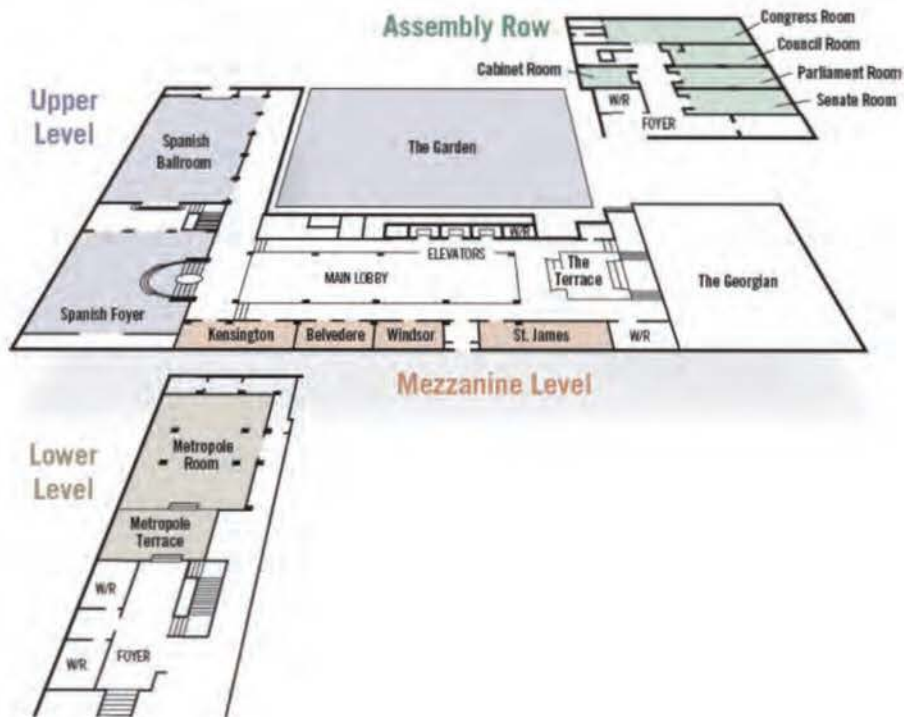
For information about tours, recreation, events, dining, shopping, history or sites to see, please stop by the registration table or visit the Seattle Convention and Visitors Bureau website at [www.visitseattle.org](http://www.visitseattle.org).



### Transportation

Motor coach/minibus transportation will be provided for all off-site activities and tours. All transportation will be loading and unloading from the south end of the Fairmont Olympic Hotel on Seneca Street. However, for those who wish to walk to the Seattle Aquarium on Tuesday evening, there are maps available at the registration table. The WCPSC 2014 loading and unloading area will have signs and conference staff available for assistance. Please be on time to board, both at the hotel and destination sites, so programs and activities may proceed as scheduled.

### Fairmont Hotel Map





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**SPONSORS**

***Platinum Sponsors***





**Gold Sponsors**







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Washington **Clean Technology** Alliance



Energy  
Storage  
Association



Energy+Environmental Economics



10:00 am - 6:00 pm	<b>Registration and Information Desk</b> ..... <i>Spanish Foyer</i>
1:00-5:00 pm	<b>Optional afternoon activity</b> Seattle Mariners Game, Safeco Field
5:30-7:00 pm	<b>"Made In Washington" Reception at The Fairmont Olympic</b> ..... <i>Garden Court</i>

7:00 am – 6:00 pm	<b>Registration and Information Desk.....</b> <i>Spanish Foyer</i>
7:00-8:00 am	<b>Continental Breakfast</b>
8:00-10:15 am	<b>GENERAL SESSION</b>
8:00-9:00 am	<b>Welcome and Special Presentation .....</b> <i>Spanish Ballroom</i>

The Bullitt Center was designed to produce as much electricity from solar panels on its roof as the all-electric building uses on an annualized basis. For a six-story building located in the cloudiest city in the contiguous 48 states, this is a formidable challenge. However, for its first eight months, the Bullitt Center actually produced 2.4 times as much electricity as it used!

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9:00-10:15 am **CEO Panel**.....*Spanish Ballroom*

**The Utility of the Future: What do the CEOs think?**

Join a distinguished panel of chief executive officers from electric utilities around the west as they share 10-15 years? What will their utility look like? What will their consumers look like? Will regulation have changed? If so, how? What advice will they give their successors? What advice will they give their regulators?

**Moderator**

Susan Ackerman, Chair, Oregon Public Utility Commission

**Panelists**

- David L. Eves, CEO, Xcel Energy
- Scott Morris, CEO, Avista Utilities
- Pat Vincent-Collawn, CEO, PNM Resources

10:15-10:30 am **Networking Break**

10:30-11:45 am **CONCURRENT SESSIONS**

10:30-11:45 am **Concurrent Session I**.....*Metropole Room*

**The Impact of Increased Telecommunications Competition on State Regulation**

*Background:* "Plain old telephone service" or POTS provided by an "incumbent local exchange carrier" (ILEC) was a monopoly service. As such, a state utility regulator determined the retail rates, terms, and conditions for POTS as a proxy for a competitive marketplace. The regulator's goal was to balance the financial health of the ILEC with the interests of the customer by establishing fair and reasonable rates. Obligations of the ILEC included providing adequate and safe service to all customers in its allocated territory in a non-discriminatory manner. Many support mechanisms were put in place to ensure that ubiquitous, non-discriminatory service was available at fair and reasonable rates without financial harm to the ILEC.

*Challenge:* With the increase in the telecom market of alternative service offerings from non-traditional voice carriers (VoIP, wireless, Skype, etc.), how or through what process should telecom regulatory policies adapt? How should be the goal(s) of the state regulator adapt? To what extent should regulators be concerned with ILEC financial health? Who should be involved in designing



policy changes? In general, identify which areas of oversight responsibilities should be expanded, limited or removed? Panelists will respond to these questions and more.

**Moderator**

Commissioner Steve Bloom, Oregon Public Service Commission

**Panelists**

- August Ankum, Senior Vice President Founding Partner QSI Consulting, Inc. (Economic/Academic)
- Doug Denney, Vice President Cost and Policy, Integra (Competitive LECs)
- Richard Finnigan, Legal Consultant, Washington (Rural ILECS)
- Paul Holvey, State Representative, Oregon (Legislature/Consumer)
- Mark Reynolds, Northwest Region Vice President Public Policy, CenturyLink (Price Cap ILECS)

10:30-11:45 am **Concurrent Session II** ..... *Congress Room*

**Pipeline Safety: Building a Safety Culture in our Companies and Commissions**

Of all our public safety concerns, the nightmare is a natural gas explosion. The panel will review natural gas pipeline incidents across the country in 2013 and explore lessons learned and new technologies and pipeline replacement programs. The root causes of horrific accidents are depressingly similar. Panelists will explore and debate best practices for creating a true safety culture and whether progress can be measured.

**Moderator**

Commissioner Pam Patton, Colorado Public Utilities Commission

**Panelists**

- Cheryl Campbell, Vice-President for Natural Gas Distribution, Xcel Energy
- Commissioner David Noble, Nevada Public Utilities Commission
- Bruce Paskett, Principle Compliance Engineer, Northwest Natural Gas
- Carl Weimer, Executive Director, Pipeline Safety Trust

10:30-11:45 am **Concurrent Session III** ..... *Garden Court*

**Water-Energy Synergies: Best Practices for Conservation of Valuable Resources**



We all know there is a nexus between water and energy -- but are there best practices that exist or are in development that we should be discussing, exploring and supporting to save valuable resources? The panelists will explore the various options.

**Moderator**

Commissioner Alaina Burtenshaw, Nevada Public Utility Commission

**Panelists**

- Denise Kruger, Sr. Vice President Regulated Utilities, Golden State Water Company
- Robert Lotts, Water Resources Manager, Arizona Public Service
- Catherine Sandoval, Commissioner, California Public Utilities Commission
- Rachel Young, Policy researcher, American Council for an Energy Efficient Economy
- Kent Zammit, Senior Program Manager, Water and Ecosystems, Electric Power Research Institute

11:45 am-  
1:15 pm

**Plated Lunch (ticket required).....Spanish Ballroom**

**Speaker**

Daniel Alvarez, Legal Advisor to FCC Chairman Tom Wheeler

1:15-5:00 pm

**Off-site Field Trips**

*Transportation options and times for the field trips are available at the registration table. Buses depart from the south end of the hotel, on Seneca Street.*

- **Bullitt Foundation Headquarters**—the most energy efficient commercial building in the world (limited to 75 people)
- **Microsoft Energy Management and Cybercrimes Center** (limited to 60 people)
- **PSE Snoqualmie Falls Hydro Site** (limited to 60 people)
- **UniEnergy Technologies Grid-scale Battery Manufacturing Facility**

Evening

**Free**

**Tuesday, June 3**

7:00 am –	
6:00 pm	<b>Registration and Information Desk</b> ..... <i>Spanish Foyer</i>
7:00-8:15 am	<b>Continental Breakfast</b> ..... <i>Spanish Foyer</i>
8:15-9:15 am	<b>GENERAL SESSION</b> ..... <i>Spanish Ballroom</i>

**Commissioner Roundtable (Part I)**

**Moderator**

Dian Grueneich, former Commissioner, California Public Utilities Commission

**Panelists**

- Susan Ackerman, Chair, Oregon Public Utility Commission
- Ron Allen, Chairman, Public Service Commission of Utah
- Kara Brighton, Chairman, Wyoming Public Service Commission
- Alaina Burtenshaw, Chairman, Nevada Public Utilities Commission
- David Danner, Chairman, Washington Utilities and Transportation Commission
- Bill Gallagher, Chairman, Commissioner, Montana Public Service Commission
- Ben Hall, Commissioner, New Mexico Public Regulation Commission
- Paul Kjellander, President, Idaho Public Utility Commission
- Hermina Morita, Chair, Hawaii Public Utility Commission
- Michael Peevey, President, California Public Utility Commission
- Norman Rokeberg, Commissioner, Regulatory Commission of Alaska
- Bob Stump, Chairman, Arizona Corporation Commission
- Glenn Vaad, Commissioner, Colorado Public Utilities Commission

9:15-10:30 am	<b>CONCURRENT SESSIONS</b>
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9:15-10:30 am	<b>Concurrent Session IV (Electricity)</b> ..... <i>Spanish Ballroom</i>
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**Outlook for Electricity and Natural Gas Demand**

Three expert Western utility forecasters will delve into the outlook for energy demand in the West. They will describe the key drivers of demand, the trends in those drivers, and the major uncertainties that could drive electricity and natural gas demand lower or higher.

The panelists will touch on the impacts of demographic trends, conservation, changing manufacturing mix, distributed generation, bypass threats, coal-plant retirements, and alternative fuel vehicles, among other factors.

**Moderator**

Commissioner John Savage, Oregon Public Utility Commission

**Panelists**

- Kelcey Brown, Manager, Load Forecasting, PacifiCorp
- Dr. Matthew Croucher, Chief Economist and Manager, Energy and Revenue Analysis and Forecasts, APS
- Keith White, Vice President, Business Development & Energy Supply/Chief Strategic Officer, Northwest Natural Gas Company

9:30-10:30 am **Concurrent Session V (Telecommunications).....Metropole Room**

**State USF Programs....a Western focus on the Pressures Facing those Funds**

The Federal Universal Service Fund (USF) has been expanding to provide broadband services to un-served and under-served rural high-cost areas throughout the United States. Expanding the states' USF programs to mirror the Federal program creates many questions and consequences for Western states' USF programs, including:

- Should states expand their USF programs to mirror the federal programs for the expansion of broadband services?
- Who defines "un-served" and "under-served" at the individual state level?
- Is it reasonable to expect that ubiquitous broadband can be made available to some of the highest cost areas in the Western region of the United States?
- If Western states attempt to expand their state USF programs to include all un-served and under-served regions – how much could that cost?
- Who will pay?

**Moderator**

President Paul Kjellander, Idaho Public Utilities Commission



**Panelists**

- Philip B. Jones, Commissioner, Washington Utilities and Transportation Commission
- Al Lubeck, Public Policy Director, CenturyLink
- Ron McCue, President/COO, Silver Star Communications
- Catherine J.K. Sandoval, Commissioner, California Public Utilities Commission
- Curt Stamp, Director, Regulatory Affairs, Cox Communications

10:30-10:45 am **Networking Break**

10:45am-Noon **CONCURRENT SESSIONS**

10:45am-Noon **Concurrent Session VI (Electricity).....Spanish Ballroom**

**Energy Storage: Game Changer for the Electric Industry**

The program will address the topic of energy storage including battery, hydro, thermal, and flywheel storage and what potential opportunities these technologies provide for operations of the future electric grid. Speakers will provide perspectives and updates from the industry, utility, regulatory and research perspectives about how energy storage is a fast evolving game changer that many utilities have already successfully implemented as they move forward with increased integration of renewable energy generation in their grid systems.

**Moderator**

Commissioner Lorraine Akiba, Hawaii Public Utilities Commission

**Panelists**

- Jay Griffin, Policy Chief, Hawaii Public Utilities Commission
- Darrell Hayslip, President, Narrow Gate Energy LLC; Chair, Board of the Energy Storage Association.
- Praveen Kathpal, AES Energy Storage
- Jim Lazar, Regulatory Assistance Project
- Carla Peterman, Commissioner, California Public Utilities Commission
- Mike Yamane, COO, Kauai Island Utility Cooperative

10:45 am- Noon **Concurrent Session VII (Natural Gas).....Metropole Room**

**Securing Long-Term Physical Gas Supplies: How Utilities are Protecting their Customers from Rising Future Gas Prices**



The panelists will describe three distinct models used in Montana, Utah, Wyoming and Oregon to secure long-term physical gas supplies at the most stable prices for ratepayers.

**Moderator**

Commissioner Kara Brighton, Wyoming Public Service Commission

**Panelists**

- Patrick Callahan, Director, Gas Growth & Storage, NorthWestern Energy
- James R. Livsey, Executive Vice President, COO, Wexpro Company
- Barrie L. McKay, Vice President of Regulatory Affairs and Energy Efficiency, Questar Gas Company
- Barbara Summers, Director of Business and Market Development, Northwest Natural Gas Company

Noon-1:15 **Deli Buffet**.....*Spanish Foyer/Spanish Ballroom*

**1:15-4:30 GENERAL SESSION**

1:15-3:00 **NARUC Resource Procurement Training Workshop**  
 .....*Spanish Ballroom*  
*Open to all conference attendees*

**Moderator**

Ivy Wheeler, NARUC

**Presenters**

- David Hoppock, Duke University
- Professor Dalia Patino Echeverri, Duke University

In today's rapidly evolving electricity sector, utilities and utility regulators face unprecedented uncertainty when making resource procurement decisions because changes in market conditions and regulations could conceivably make an investment that seems least-cost today into a high-cost stranded asset in the future. To help with these difficult decisions, NARUC is sponsoring this workshop by Duke University's Nicholas Institute on investment decision-making under uncertainty and risk assessment. This highly interactive program will cover methods to determine the resiliency of investment options across a range of potential futures, as well as, risk metrics decision makers can use to complement traditional cost metrics when making investment decisions.

3:00-3:15 **Networking Break**

3:15-4:30

**The Future of Coal Generation in the West.....Spanish Ballroom**

*What is the future of coal in utility resource portfolios?*

The economics of coal is under considerable scrutiny these days. Environmental regulations, low natural gas prices, state policies to reduce carbon emissions or promote renewable energy, and the imminent release of proposed EPA regulations under Section 111 (d) may have a significant effect on coal generation, and create uncertainty about coal's place in utilities' resource portfolios.

This panel will address the future of coal as a base-load power resource for utilities in the West. If EPA regulations limit the use of coal, what is the magnitude of potential stranded investment and related new investment in alternatives to coal generation? What is the potential for increasing divergence in the pricing for thermal and hydro generation? What problems might arise from an electricity system which is multistate jurisdictional and an environmental regulatory system organized state by state?

**Moderator**

Chairman David Danner, Washington Utilities and Transportation Commission

**Panelists**

- Jeff Burleson, Vice President—Systems Planning, Southern Co.
- Ralph Cavanagh, Senior Attorney, Natural Resources Defense Council
- Kimberly Harris, President and CEO, Puget Sound Energy
- Travis Kavulla, Commissioner, Montana Public Utilities Commission
- Mike Weinstein, Investment Analyst, UBS

4:30-5:30

**WCPSC Business Meeting .....Senate Room**

*Commissioners only*

6:30-9:30

**Off-site Reception and Dinner (ticket required)...Seattle Aquarium**

*The aquarium is about eight blocks down the hill to the waterfront. Buses depart from the south end of the hotel on Seneca Street starting at 6:00 p.m. For those who wish to walk, maps are available at the registration desk.*

**Presenter**

Commissioner Susan Bitter Smith on 2015 Western Conference to be held in Phoenix, Arizona

**Speaker**

The Honorable Phil Moeller, Commissioner, Federal Energy  
Regulatory Commission

*Wednesday, June 4*

7:00 –

10:00 am      **Registration and Information Desk**.....*Spanish Foyer*

7:00-8:15 am      **Continental Breakfast**.....*Spanish Foyer*

8:15-9:15am      **GENERAL SESSION**.....*Spanish Ballroom*

**Speaker**

Joe Goffman, Associate Assistant Administrator for Climate and  
Senior Counsel to the Assistant Administrator for Air and  
Radiation, U.S. Environmental Protection Agency

9:15-10:30 am

**Renewables and Distributed Generation: What Can We Learn  
from Early Renewable Energy Adopters Abroad and from Across  
the United States?**

Over the last decade, a number of countries and states have embarked on aggressive plans to develop renewable energy as a means to achieve a host of goals including greenhouse gas reductions, improved air quality, energy security, and economic development. Now, as other countries and states consider greater levels of renewables investment, what lessons can be learned from existing experience with policy and market interventions? This panel will explore how challenges can be avoided, and successes replicated, as states pursue their next stage of renewables development.

**Moderator**

Commissioner Carla Peterman, California Public Utilities  
Commission

**Panelists**

- Commissioner Susan Bitter Smith, Arizona Corporation Commission
- Commissioner Michael Champley, Hawaii Public Utilities Commission
- Hank Courtright, Senior Vice President, Global Strategy & Member Relations, EPRI
- Kevin Lynch, Vice President of External Affairs, Iberdrola Renewables
- Nancy Ryan, Director of Policy and Strategy, E3



10:30-10:45 am **Networking Break**

10:45-11:45 am **Commissioner Roundtable (Part II)**.....*Spanish Ballroom*

**Moderator**

Dian Grueneich, former Commissioner, California Public Utilities Commission

11:45 am **Western Conference Adjourns**

**Save the date for...**

**The 2015 WCPSC Meeting**



*May 30 – June 3, 2015*

***At the beautiful Arizona Biltmore***

*Phoenix, AZ*





## WCPSC 2014 SPEAKERS



### **Susan Ackerman, Chair, Oregon Public Utility Commission**

Susan Ackerman was appointed to the Oregon Public Utility Commission in March 2010 by Gov. Kulongoski. She currently serves on the EPRI Advisory Council, Executive Committee to EPRI Advisory Council, Co-chair of Residential Retrofit Working Group of SEE Action, and is second vice president of the National Association of Regulatory Utility Commissioners (NARUC).



### **Lorraine H. Akiba, Commissioner, Hawaii Public Utilities Commission**

Lorraine H. Akiba was appointed to the Hawaii Public Utilities Commission in January 2012 by Gov. Neil Abercrombie. Prior to this appointment, she worked in private practice as a law partner at McCorriston Miller Mukai MacKinnon LLP and Cades Schutte Flemming & Wright LLP. Commissioner Akiba is currently a member of the Advisory Council to the Board of Directors of the Electric Power Research Institute. She is a member of NARUC's Energy Resources and Environment Committee.



### **Ron Allen, Chairman, Public Service Commission of Utah**

Ron was appointed to his first term as a commissioner of the Public Service Commission of Utah by Gov. Jon M. Huntsman on March 18, 2005, and was reappointed on Feb. 28, 2011, for an additional six year term. Ron was appointed as commission chairman on Jan. 1, 2013. Ron is formerly a self-employed business and technology consultant and has owned and operated several Utah businesses. He has a B.S. degree in Accounting and an M.A. degree in Art History from the University of Utah.



### **Daniel Alvarez, Legal Advisor, Wireline, Public Safety, and Homeland Security, Federal Communications Commission**

Daniel is Chairman Wheeler's Legal Advisor for wireline issues and for Public Safety and Homeland Security issues. In this role, he advises the chairman on issues such as the tech transitions, universal service, broadband policy issues, E-rate, Lifeline, 911 location accuracy for mobile wireless service, and cybersecurity. Daniel has been at the FCC since November 2013. Daniel is a graduate of Georgetown Law and Georgetown's School of Foreign Service.



**August H. Ankum, Ph.D.**

**Senior Vice President Founding Partner QSI Consulting, Inc.**

Dr. August H. Ankum is a founding partner of QSI, serves as Senior Vice President, and is the firm's Chief Economist. August is an economist and consultant specializing in both domestic and international telecommunications issues. He began his career with the Texas Public Utility Commission, where he served as the commission staff's chief telecommunications economist before leaving in 1994. He has a Ph.D and a Master of Arts from the University of Texas, Austin.



**Stephen Bloom, Commissioner, Oregon Public Utility Commission**

Stephen Bloom was appointed to the Oregon Public Utility Commission in December 2011. Before that, he was general counsel at Everpower Wind Holdings, Inc., for four years. He was the ABA/CEELI Rule of Law Liaison, Judicial Reform, 2006-2007 and a Peace Corps volunteer from 2005 to 2006. Stephen served as a law partner at Kottkamp & O'Rourke, LLP, from 1981 to 2005. He received his law degree in 1977 at Willamette University's College of Law and his B.A. in 1970 from Stanford University.



**Kara Brighton, Commissioner, Wyoming Public Service Commission**

Kara Brighton was appointed to the Wyoming Public Service Commission in March 2013 by Gov. Matt Mead. Kara received her Bachelor of Science degree from the University of Wyoming in Small Business Management and her Juris Doctorate from the University of Nebraska-Lincoln College of Law. Kara started her legal career at the Wyoming Attorney General's Office, Water Division working on the Nebraska v. Wyoming litigation over the North Platte River.



**Kelcey Brown, Manager, Load Forecasting, PacifiCorp**

Kelcey Brown heads up the seven-person load forecasting group for PacifiCorp. Among other duties, the group produces 20-year load forecasts by state for the six-state PacifiCorp service area. Before becoming Manager of Load Forecasting, she was a senior regulatory analyst at PacifiCorp specializing in net power costs and qualifying facility and renewable resource policy issues. She has served on a number of state and regional technical committees on such topics as the costs and benefits of environmental retrofits at the Boardman, Oregon, coal-fired power plant and the Western Interconnection transmission plan. Her educational background is in Regulatory Economics from the University of Wyoming and she also served in the US Navy.





**Jeff Burleson, Vice President, Systems Planning, Southern Company**

Jeff Burleson is Vice President of System Planning at Southern Company. In this role he has responsibility for providing planning services to the retail operating companies including integrated resource planning, reliability planning, resource procurement, generation strategy and generation development. Jeff has a Bachelors degree in Electrical Engineering from the University of Alabama at Birmingham and a Masters degree in Electrical Engineering from Auburn University. He is a member of the Institute of Electrical and Electronics Engineers and is a registered professional engineer in the states of Alabama and Georgia.



**Alaina Burtenshaw, Chairman, Nevada Public Utilities Commission**

Alaina Burtenshaw has served as chairwoman of the Nevada Public Utilities Commission since February, 2011, when she was appointed by Gov. Brian Sandoval. She was appointed to the commission in January 2010 by Gov. Jim Gibbons. Her career at the commission began in 1992, first as assistant staff counsel and later staff counsel, with Regulatory Operations. In November 2012, the board of directors for NARUC appointed her co-vice chair of its Committee on Water, which works with the EPA and other groups to increase awareness about the uses and reuses of water and wastewater. Chairman Burtenshaw received a B.A in History from Idaho State University and a J.D. from the University of Nebraska-Lincoln.



**Patrick E. Callahan, Director, Gas Growth, NorthWestern Energy**

Patrick E. Callahan's areas of responsibilities at NorthWestern Energy include \$40 million of natural gas stored in three storage reservoirs and the associated land rights and equipment. He is also responsible for natural gas production operations consisting of five major areas throughout North Central Montana with three dozen compressor sites, almost a thousand miles of gathering pipeline, over 1,000 gas wells, 70 gas storage wells, and several oil wells belonging to the gas utility. Patrick is a graduate of Montana Tech with B.S. and M.S. degrees in Petroleum Engineering.



**Cheryl F. Campbell, Vice President, Gas Engineering & Operations, Xcel Energy**

In her current role, Cheryl oversees the gas business at Xcel Energy. She is responsible for employee and public safety, integrity management programs, compliance, system performance, reliability and overall gas strategy. Cheryl has worked at Xcel Energy since 2004, with prior roles as VP for the Colorado gas operating area and Director for Gas Asset Management. Cheryl holds a B.S in Chemical Engineering and a B.S in Business, both from the University of Colorado at Boulder. Cheryl also holds a Master of Science degree in Finance, with a minor in Management, from the University of Colorado at Denver.



**Ralph Cavanagh, Senior Attorney, Natural Resources Defense Council**

Ralph Cavanagh is a senior attorney and co-director of NRDC's energy program, which he joined in 1979. His current board memberships include the Bipartisan Policy Center, the Bonneville Environmental Foundation, the California Clean Energy Fund, the Center for Energy Efficiency and Renewable Technologies, the Northwest Energy Coalition, and the Renewable Northwest Project.



**Michael E. Champley, Commissioner, Hawaii Public Utilities Commission**

Michael E. Champley was appointed to the commission in September 2011 by Gov. Neil Abercrombie. Commissioner Champley has over 40 years of experience analyzing, integrating and managing complex economic, public policy and technical issues confronting the energy utility industry. He holds a Bachelor of Science in Electrical Engineering from the University of Dayton and a Master of Business Administration from Indiana University, with an emphasis in Finance and Public Utility Economics and Regulation.



**Henry A. Courtright, Senior Vice President, Global Strategy and External Relations, Electric Power Research Institute**

Henry A. "Hank" Courtright serves as Senior Vice President of Global Strategy and External Relations at the Electric Power Research Institute (EPRI) in Palo Alto, California. His responsibilities include strategic positioning for EPRI in its global business; federal, state and international government relations; and communications to stakeholders and the public. Hank received a B.S. degree in mechanical engineering from Pennsylvania State University, an M.B.A. from Lehigh University, and he is a graduate of the MIT Nuclear Reactor Technology Program. Hank is a licensed Professional Engineer in Pennsylvania and California.



**Dr. Matthew Croucher, Chief Economist and Manager, Energy and Revenue Analysis and Forecasts, APS**

Dr. Matthew Croucher has studied and analyzed changes in the Arizona economy for the last 10 years, first as a researcher at Arizona State University's (ASU) L. William Seidman Research Institute and most recently as the Chief Economist and Manager of the Energy and Revenue Analysis and Forecasts Dept. at APS. In his current capacity, he oversees the development of short and long-term forecasts of Arizona's economic growth and the implications of that growth for energy demand, resource needs and Company revenues. Matthew earned his B.A. in Economics at the University of Sheffield (England), followed by his M.S. and Ph.D. in Economics from ASU.





**David W. Danner, Chairman, Washington Utilities and Transportation Commission**

David W. Danner was appointed chairman of the Washington Utilities and Transportation Commission by Gov. Jay Inslee in February 2013.

Dave was the commission's executive director since 2005. Earlier, he served as Executive Policy Advisor to Washington Gov. Gary Locke on energy, telecommunications, finance and elections issues. Dave has also been a telecommunications attorney in private practice, counsel to the Washington Senate Energy and Utilities Committee, and Senior Policy Advisor at the Washington State Department of Information Services. Dave also serves on the Energy Resources and Environment (ERE) and International Committees of NARUC. Dave has a B.A. from Columbia University, an M.A. in Communications from the University of Washington, and a law degree from George Washington University.



**Douglas Denney, Integra**

Douglas Denney is Vice President of Costs and Policy at Integra, one of the largest facilities-based providers of advanced networking, communications and technology solutions in the western United States, serving more than 85,000 business customers. Douglas is responsible for state and federal regulatory advocacy, state and federal regulatory compliance, and interconnection agreements. Douglas has worked on competitive communications issues since 1996 and has testified in more than fifty proceedings addressing matters such as unbundled network element pricing, universal service, intercarrier compensation, interconnection agreement disputes and other issues impacting competition in the communications marketplace.



**David Eves, President and CEO, Public Service Company of Colorado (PSCo), an Xcel Energy company.**

Prior to joining PSCo, David was President and CEO of Southwestern Public Service Company from July 2006 – 2009. He was vice president of Resource Planning and Acquisition for Xcel Energy from 2004 – July 2006. Since 1981, David has held various positions of responsibility for marketing, purchased power, wholesale marketing, energy trading, and resource planning for PSCo, New Century Energies, and Xcel Energy and has served as a past executive committee and operating committee member at Western Systems Power Pool. Eves received a B.S. degree in Mechanical Engineering from Kansas State University.



**Richard A. Finnigan**

Richard A. Finnigan has been in private law practice for nearly 30 years. His practice focuses on representation of rural telephone companies. Richard has been involved in regulatory issues in a number of states and before the FCC. He was an honors graduate of the University of Washington School of Law and an Assistant Attorney General in the state of Washington for eight years. Richard served at the Washington UTC as its Executive Officer.



**Bill Gallagher, Chair, Montana Public Service Commission**

Bill Gallagher was elected to the Montana Public Service Commission in 2010. He graduated from Western Montana College in 1983 with a B.S. in secondary education with a major in social sciences. Bill earned a J.D. from the University of Montana School of Law and has maintained a private law practice in Helena since.



**Joseph Goffman, Associate Asst. Admin. for Climate and Senior Counsel to the Asst. Admin. for Air and Radiation, U.S. Environmental Protection Agency (EPA)**

Mr. Goffman joined the agency in 2009, and during his tenure he has worked on the Mercury and Air Toxics Standards, the New Source Performance Standards for the oil and gas sector, the Carbon Pollution Standards for Power Plants, the Cross-State Air Pollution Rule, and related climate change and air quality rules. Mr. Goffman also serves as one of the senior agency officials implementing President Obama's Climate Action Plan.



**Jeffrey Goltz, Commissioner, Washington Utilities and Transportation Commission  
President, WCPSC**

Jeffrey Goltz was appointed to the Washington Utilities and Transportation Commission by Gov. Chris Gregoire in Feb. 2009 and served as chairman from Feb. 2009 to Feb. 2013. He currently serves as co-Vice Chair of the Electricity Committee of NARUC and also serves on the Consumer Affairs Committee; is the representative of the Washington UTC on the State-Provincial Steering Committee, an advisory committee to the Western Electricity Coordinating Council on regional transmission issues; and is one of three commissioners on the advisory committee of the Critical Consumer Issues Forum (CCIF), an effort to bring together regulators, consumer advocates, utility representatives to address cooperatively consumer-focused energy issues. He also currently is President of the Western Conference of Public Service Commissioners. Jeff received his B.A. from Macalester College and law degree from the University of Oregon School of Law.



**Jay Griffin, Policy Chief, Hawaii Public Utility Commission**

Dr. James "Jay" Griffin is the Chief of Policy and Research at the Public Utilities Commission (PUC). He leads the PUC's team of researchers and economists in analyzing and supporting commission decision-making on several of the state's major energy policy decisions. Joining the PUC through an intergovernmental agreement and temporary assignment, Jay is on leave as a faculty member at the Hawaii Natural Energy Institute (HNEI), which is an independent research unit at the University of Hawaii supporting the state's efforts to develop indigenous renewable energy sources and reduce dependence on imported fossil fuels.





**Dian M. Grueneich, Former Commissioner, California Public Utilities Commission**

Dian Grueneich is a nationally and internationally recognized energy expert, with 35 years' experience. Dian served as a Commissioner on the California Public Utilities Commission from 2005-2010 and led its efforts on energy efficiency, developing the California Long-Term Energy Efficiency Strategic Plan and overseeing a 40 percent expansion of California's energy efficiency funding. Dian recently joined Stanford University as a senior research scholar, working with its Precourt Energy Efficiency Center and the Shultz-Stephenson Energy Policy Task Force. Dian is a graduate of Stanford University and holds a J.D. from Georgetown University.



**Ben Hall, Commissioner, New Mexico Public Regulation Commission**

Ben Hall was elected to a four-year term as the District 5 commissioner for the New Mexico Public Regulation Commission in 2010. He graduated from New Mexico Western and became a General Building Contractor, a business he ran successfully for almost forty years. He also served three terms in the New Mexico House of Representatives, and as Lincoln County Commissioner.



**Kimberly J. Harris, President and CEO, Puget Sound Energy**

Named president in 2010 and chief executive in 2011, Harris is focused on providing PSE customers with safe, dependable and efficient energy service. In addition to her responsibilities with PSE, Harris serves on the Washington Clean Energy Leadership Council, the Washington State Energy Strategy Advisory Committee, and the Governor's Opportunity Scholarship Board. She is also a member of the board of directors of the American Red Cross of King and Kitsap counties. Harris has a bachelor's degree from San Diego State University and a juris doctor degree from Arizona State University.



**Denis Hayes, President and CEO, Bullitt Foundation**

Denis Hayes serves as President of the Bullitt Foundation, and board chairman of the international Earth Day Network. Denis organized the first Earth Day in 1970 and in 1990 expanded it to 144 nations. In 2000, Earth Day events were held in 180 nations. Denis has received the national Jefferson Medal for Outstanding Public Service as well as the highest awards bestowed by the Sierra Club, the Humane Society of the United States, the National Wildlife Federation, the Natural Resources Council of America, the Global Environmental Facility, the Interfaith Center for Corporate Responsibility, the American Solar Energy Society, and the Commonwealth Club. Denis received his undergraduate degree in history from Stanford University.





**Darrell Hayslip, President, Narrow Gate Energy, LLC**

Mr. Hayslip previously served as the Chief Development Officer at Xtreme Power, where he directed all development, sales, and other commercial activities associated with the deployment of Xtreme Power's utility-scale energy storage technology. He has been a member of the GCPA for more than 15 years and currently serves as a board member. Mr. Hayslip holds a B.S. in Mechanical Engineering from the University of Texas at Austin.



**Paul Holvey, Oregon State Representative**

Oregon State Representative Paul Holvey is employed as a representative for The Pacific Northwest Carpenters – part of the United Brotherhood of Carpenters. Paul attended Lane Community College, Central Washington University, and the University of Oregon. Paul currently serves as Chair of the Siuslaw National Forest Resource Advisory Committee, Chair of the Office of Administrative Hearings Oversight Committee, member of the Committee on Performance Excellence, and is a delegate from the Oregon State Legislature to the Pacific Northwest Economic Region.



**David Hoppock, Research Analyst, Nicholas Institute for Environmental Policy Solutions**

David Hoppock is a Research Analyst with the Nicholas Institute for Environmental Policy Solutions at Duke University focusing on energy efficiency, natural gas markets, electricity policy, and electric utility regulation. David holds a Master of Public Affairs degree from the University of Texas at Austin. He received his B.S. in Civil and Environmental Engineering from the University of California at Berkeley.



**Philip B. Jones, Commissioner, Washington Utilities and Transportation Commission**

Commissioner Jones was appointed by Gov. Chris Gregoire in March 2005 and re-appointed in January 2011. Commissioner Jones served as President of NARUC from 2012-13, and presently serves on its Board of Directors and the Executive Committee. He also serves on the Advisory Council of the Electric Power Research Institute which is the public interest council to advise electric utilities on R&D priorities. He graduated from Harvard College with honors with a degree in East Asian Studies.



**Praveen H. Kathpal, Vice President, AES Energy Storage**

Praveen Kathpal is a Vice President with AES Energy Storage. His responsibilities span energy storage project development in the U.S. and energy storage market development globally across AES' platform. Mr. Kathpal joined AES in 2007. He holds a B.A. in Economics from the University of Virginia.



**Travis Kavulla, Commissioner, Montana Public Service Commission**

Travis Kavulla was elected to the Montana Public Service Commission in November 2010. He also serves on the board of directors of the National Regulatory Research Institute and NARUC. He is the chairman of the Public Utility Commissioners Energy Imbalance Market Working Group, and the co-chairman of the Northern Tier Transmission Group. He is also a member of NARUC's Telecommunications Committee. Mr. Kavulla received his bachelor's in History from Harvard and holds a graduate degree from the University of Cambridge, England, where he was a Gates Scholar.



**Paul Kjellander, Commissioner, Idaho Public Utilities Commission**

Paul Kjellander rejoined the Idaho Public Utilities Commission in April 2011 following his service as administrator of the Office of Energy Resources. Paul, who serves as Commission president, was appointed to his current six-year term by Gov. C.L. "Butch" Otter. Paul served three terms (1994-1999) in the Idaho House of Representatives. He has a master's degree in Telecommunications from Ohio University. Paul is a member of the NARUC Presidential Federalism Task Force and is vice chairman of the NARUC Telecommunications Committee. He also serves as a NARUC representative to the North American Numbering Council.



**Denise L. Kruger, Senior Vice President, Regulated Utilities for Golden State Water Company**

Denise L. Kruger has more than 25 years of experience in the utility industry. Denise oversees all functions in Regulated Utilities for Golden State Water Company. She joined Golden State in 1992 as Manager of Quality Assurance and Water Quality. Denise is a board member of the California Foundation for the Environment and Economy and she chairs the Water Research Foundation, an organization responsible for more than \$460 million of water related research. Denise received a Bachelor's degree in Mechanical Engineering from the University of California-Davis and a Master's of Business Administration degree from the University of California-Irvine.



**Jim Lazar, Senior Advisor, Regulatory Assistance Project**

Jim Lazar is an economist with nearly 40 years experience in utility rate design and resource planning. He has appeared as an expert witness in more than 100 regulatory proceedings in 14 states and provinces. Jim is a Senior Advisor to the Regulatory Assistance Project, a global non-profit organization that assists utility regulators implementing clean energy alternatives. Jim is a former commissioner of the Thurston County Public Utility District, a municipal water utility in Washington state.





**James R. Livsey, Executive Vice President and Chief Operating Officer, Wexpro**

James R. Livsey has spent 28 years in various capacities for Questar, including internal audit, planning, accounting management, and the last 15 years as general manager of Wexpro. Jim's experience prior to joining Questar includes four years of public accounting and three years at Marathon Oil in audit and treasury.



**Robert Lotts, Water Resource Planning Manager, Arizona Public Service Company**

Robert Lotts joined APS in June 1982, and has held various positions at the Palo Verde Nuclear Generating Station Water Reclamation Facility (WRF) in the operations department. In October 2002 he was named WRF Plant Manager and remained in this position until March 2009.

During this 27-year period he was involved with start-up testing of the facility and day to day operations of the WRF. Bob assumed the role as the manager of the Water Resources Planning department in March 2009. This was a newly formed department responsible for the acquisition, management and regulatory compliance of water resources for the APS fleet.



**Al Lubeck, Public Policy Director, CenturyLink**

Al Lubeck current serves as the Public Policy Director at CenturyLink with responsibility for federal and state Universal Service issues and how those issues impact CenturyLink in the 37 states where CenturyLink serves as an ILEC. He is a member of various committees at USTelecom and ITTA and has recently presented on USF issues to legislative committees in Wyoming and Nebraska. He has a B.S. in Accounting from the University of Nebraska and is a member of the AICPA.



**Kevin A. Lynch, External Affairs, Iberdrola**

Kevin Lynch heads the External Affairs group for Iberdrola Renewables, LLC, one of North America's leading developers and marketers of renewable energy and other energy products and services. The External Affairs group is responsible for the company's work on legislation, regulatory matters, communications, and marketing. Kevin also spent nearly 10 years working for two members of the US House of Representatives, US Rep. Les AuCoin, D-OR (1985-1991), and US Rep. William Ratchford, D-CT (1981-1984). Kevin served eight of these years as the Representatives' staff to the Committee on Appropriations, focusing on natural resource, public lands, Native American, energy, and arts and humanities issues. Kevin now serves on several boards involved with renewable energy.





**Ron B. McCue, President/COO, Silver Star Communications**

Ron B. McCue is President and C.O.O. for Silver Star Communications, a regional technology company providing services for landline, cable TV, cellular, retail and wholesale internet, broadband, smart grid, audio/visual, data center, home and business security, and network consulting. Ron serves on the US Telecom Board of Directors and Leadership Committee. He is board member of a regional fiber transport company, and a marketing and wholesale services company. He is vice chairman for the Wyoming Telephone Association, and on the Board of Directors for the Idaho Telecom Alliance. Ron has a bachelor's degree in Business Administration, with honors, and graduated with an M.B.A., magna cum laude.



**Barrie L. McKay, Vice President, Regulatory Affairs & Energy Efficiency, Questar Gas Company**

Barrie McKay currently serves as Vice President of Regulatory Affairs and Energy Efficiency for Questar Gas Company. Mr. McKay has the responsibility of managing the state regulatory activities and energy-efficiency activities in Utah and Wyoming. Mr. McKay also serves on the board of the Utah Manufacturers Association. He has a B.S. in Accounting from Brigham Young University and a M.B.A. from Brigham Young University. He is a Certified Public Accountant in the State of Utah and belongs to the Utah Association of Certified Public Accountants.



**Philip D. Moeller, Commissioner, Federal Energy Regulatory Commission (FERC)**

Commissioner Philip D. Moeller is serving his second term on the Commission, having been nominated by President Obama and sworn in on July 16, 2010, by Congresswoman Cathy McMorris Rodgers (R-Wash). Before becoming a commissioner, Mr. Moeller headed the Washington, D.C., office of Alliant Energy Corporation. Prior to Alliant Energy, Mr. Moeller worked in the Washington office of Calpine Corporation. From 1997 through 2000, Mr. Moeller served as an energy policy advisor to U.S. Senator Slade Gorton (R-Washington) where he worked on electricity policy, electric system reliability, hydropower, energy efficiency, nuclear waste, energy and water appropriations and other energy legislation. He received a B.A. in Political Science from Stanford University.



**Hermina Morita, Chair, Hawaii Public Utilities Commission**

Hermina Morita was appointed to the Public Utilities Commission and named Chair of the Commission in February 2011, by Gov. Neil Abercrombie for a term to expire on June 30, 2014. Upon her confirmation in March 2011, Chair Morita resigned from her position in the State of Hawaii House of Representatives, where she had served as a Legislator for fifteen years, thirteen of which as the Chair of the House Energy and Environmental Protection Committee.



**Scott Morris, Chairman of the Board, President and Chief Executive Officer, Avista Corp.**

Scott Morris is Chairman of the Board, President and Chief Executive Officer of Avista Corp. He was elected President in 2006 and named Chairman and Chief Executive Officer in 2008. Scott also serves as Chairman of the Board of Ecova, a subsidiary of the company. He received his Master's degree in Organizational Leadership from Gonzaga University. He also attended the Stanford Business School Financial Management Program. Scott serves as Chairman of Innovate Washington and serves on the Boards of the Federal Reserve Bank of San Francisco, Seattle branch, the Washington Roundtable and Greater Spokane Incorporated.



**David Noble, Esq., Commissioner, Public Utilities Commission of Nevada**

**Secretary/Treasurer, WCPSC**

David Noble was appointed Commissioner of the Public Utilities Commission of Nevada by Gov. Brian Sandoval in August 2011 and reappointed in October 2012. Commissioner Noble has been with the commission since 1997, working as an administrative attorney, assistant staff counsel, assistant general counsel, and hearings officer. Commissioner Noble earned his B.A. in International Relations and Environmental Studies from the University of Pennsylvania and his J.D degree from Loyola Law School (Los Angeles).



**Bruce Paskett, Principal Compliance Engineer, NW Natural**

Bruce joined NW Natural in 1983. During his 31 years with the company, he has held a number of positions, including Manager of Engineering, Chief Engineer, Manager of Code Compliance and currently, Principal Compliance Engineer. Bruce has been heavily involved in numerous federal pipeline safety rulemaking efforts, including the Gas Transmission Integrity Management Program regulation and the Gas Distribution Integrity Management Program (DIMP) rule. Bruce is a graduate of Oregon State University where he earned a B.S. in Mechanical Engineering. Bruce has been a Registered Professional Engineer in the State of Oregon since 1987.



**Commissioner Pamela J. Patton, Colorado Public Utilities Commission**

Pamela J. Patton was appointed to the Colorado Public Utilities Commission in June 2012 by Gov. John Hickenlooper. She serves on the Committee on Electricity of NARUC Pam served for 20 years as an intelligence officer in the U.S. Navy. She has a bachelor's degree from Fort Lewis College and a master's degree from the University of Southern California.





**Professor Dalia Patino Echeverri, Duke University**

Dr. Patino-Echeverri's research focuses on the decisions that policy makers, private companies, and citizens face regarding capital investments in electricity infrastructure, and in the methods available to analyze and improve these decisions. Her research integrates the tools of operations research and finance with energy/electricity computer models to explicitly account for the risk and uncertainty that permeate all investment and policy design decisions in the field.



**Michael R. Peevey, President, California Public Utilities Commission**

Michael R. Peevey was appointed President of the California Public Utilities Commission (CPUC) by Gov. Gray Davis in 2002. In December 2008, Gov. Arnold Schwarzenegger reappointed Mr. Peevey to the CPUC for another six-year term. He serves as Chairman of the California Clean Energy Fund, an independent nonprofit corporation working to advance clean energy, and also serves as Chairman of the California Emerging Technology Fund, which provides leadership statewide to close the "Digital Divide." Mr. Peevey holds Bachelor and Master of Arts degrees in Economics from the University of California, Berkeley.



**Carla J. Peterman, Commissioner, California Public Utilities Commission**

Carla J. Peterman was appointed to the CPUC by Gov. Edmund G. Brown Jr. in December 2012. Carla is the CPUC's assigned Commissioner for a number of proceedings including the Renewable Portfolio Standard, alternative transportation and energy storage. In 2011, Gov. Brown appointed her to the California Energy Commission where she was lead Commissioner for renewables, transportation, natural gas, and the 2012 Independent Energy Policy Report. Carla earned a Master's of Science degree and an M.B.A at Oxford University, where she was a Rhodes Scholar. She is finishing her doctoral studies in energy and resources at the University of California, Berkeley. Carla also holds a Bachelor's degree from Howard University, where she graduated summa cum laude.



**Mark S. Reynolds, Northwest Region Vice President Public Policy, CenturyLink**

Mark S. Reynolds is responsible for state regulatory, legislative, and local government affairs for CenturyLink operating companies in the states of Washington, Oregon, Idaho, Wyoming and Montana. He received a B.A. from Oregon State University and an M.B.A. from the University of Montana. His professional experience in the telecommunications industry spans 33 years working for CenturyLink and its predecessors.





**Norman Rokeberg, Commissioner, Regulatory Commission of Alaska**

Commissioner Rokeberg was appointed to service with the Regulatory Commission of Alaska by Gov. Sean Parnell on January 30, 2013. From 2007 to 2010, he was Chairman of various State of Alaska Advisory Working Groups including the Alaska Railbelt Electric Grid Authority and the Alaska Railbelt Regional Integrated Resource Planning Group. In 1971, he earned a Political Science degree from Willamette University.



**Nancy E. Ryan, Director of Policy and Strategy, E3**

Dr. Nancy E. Ryan is E3's Director of Policy and Strategy. Dr. Ryan is an economist with more than two decades of experience in energy and environmental policy. Before joining E3, Dr. Ryan held several high-level appointed positions at the California Public Utilities Commission, including Commissioner, Deputy Executive Director for Policy and External Relations, and Chief of Staff to President Michael R. Peevey. Dr. Ryan received her Ph.D. in Economics from the University of California at Berkeley and a BA in Economics from Yale University.



**Catherine J.K. Sandoval, Commissioner, California Public Utilities Commission**

Catherine J.K. Sandoval was appointed by Governor Jerry Brown in January 2011 to serve as a Commissioner at the California Public Utilities Commission (CPUC). She serves as the Co-Vice-Chair of the NARUC Telecommunications Committee, on the NARUC Federalism and Telecommunications Committee, and on the NARUC Utility Market Access Committee. She is the Policy Chair of the Federal Communications Commission (FCC) Federal-State Joint Conference on Advanced Telecommunications Services. She earned her J.D. from Stanford Law School and a Masters of Letters in Politics from Oxford University in England where she was the first Latina to win a Rhodes Scholarship. She graduated magna cum laude with a B.A. from Yale University.



**John Savage, Commissioner, Oregon Public Utility Commission**

John Savage was appointed to the Oregon Public Utility Commission in September 2003, after serving as Director of the agency's regulatory staff. Before joining the Commission, Savage was Director of the Oregon Department of Energy for eight years. He chairs the Western Interconnection Regional Advisory Body, which advises FERC, NERC, and WECC on mandatory reliability standards; the Electricity Committee of the Western Conference of Public Service Commissioners; the Committee on Regional Electric Power Cooperation – a joint committee of the Western Interstate Energy Board and the Western Conference of Public Service Commissioners; and the State-Provincial Steering Committee which advises the Western Electricity Coordinating Council on its regional transmission plan.



**Susan Bitter Smith, Commissioner, Arizona Corporation Commission  
Vice President, WCPSC**

Susan Bitter Smith was elected to a four year term on the Arizona Corporation Commission in January 2013. She currently serves on NARUC's Water Committee and as President-Elect of the Western Region. She also serves as the Executive Director of the Southwest Cable Communications Association since 1980 and as Vice President of Technical Solutions since 1988. Susan earned both undergraduate and graduate degrees in Business Administration from Arizona State University.



**Curt Stamp, Director, Regulatory Affairs, Cox Communications**

Curt Stamp is Director of Regulatory Affairs for Cox Communications in Oklahoma, Kansas and Arkansas. Prior to assuming this role in June 2010, he was President of the Independent Telephone and Telecommunications Alliance, the national trade association for mid-sized Local Exchange Carriers. Stamp received his B.A. and M.B.A. from Iowa State University and his J.D. from Drake University Law School.



**Bob Stump, Chairman, Arizona Corporation Commission**

Bob Stump was elected to the Arizona Corporation Commission in 2008 and re-elected in 2012 with the second-highest vote tally of any Arizona Republican candidate. Bob serves on the Board of Directors of the National Association of Regulatory Commissioners (NARUC), is a member of the Harvard Electricity Policy Group, and is an Advisory Council member of the Center for Public Utilities. Bob holds degrees from Harvard University, where he studied political philosophy, and the University of California at Berkeley, where he studied philosophy and social thought, and from which he graduated with high honors.



**Barbara J. Summers, Director of Business and Market Development,  
Northwest Natural Gas Company**

Barbara Summers is the Director of Business and Market Development for Northwest Natural Gas Company in Portland, Oregon. Prior to joining NW Natural she held similar positions with PacifiCorp and Scottish Power as Vice President, Business Development, and Vice President, PacifiCorp Power Marketing, now PPM. Barbara has a B.S. in Business Administration from Portland State University.



**Glenn A. Vaad, Commissioner, Colorado Public Utilities Commission**

Glenn A. Vaad, was appointed to the Colorado Public Utilities Commission in December of 2013 by Gov. John Hickenlooper. Glenn worked for 31 years at the Colorado Department of Transportation in various positions, including Legislative Liaison and Secretary to the Colorado Transportation Commission. Glenn also brings more than 25 years of public service in a variety of elected and appointed positions to the Commission.





**Pat Vincent-Collawn is Chairman, President and CEO of PNM Resources**

Pat joined PNM Resources in 2007 as Utilities President, overseeing the daily operations for PNM and Texas-New Mexico Power. She became the President and CEO of PNM Resources in March 2010 and Chairman of the Board in January 2011. She has a bachelor's degree in journalism (magna cum laude) from Drake University and an MBA from Harvard University.



**Carl Weimer, Executive Director, National Pipeline Safety Trust**

Carl Weimer is the Executive Director of the national Pipeline Safety Trust. He also serves on the Governor-appointed Washington State Citizens Committee on Pipeline Safety, as a member of the U.S. Department of Transportation's Technical Hazardous Liquid Pipeline Safety Standards Committee, and the steering committee for the Pipelines and Informed Planning Alliance. Carl was elected in 2005 and again in 2009 and 2013 to the Whatcom County Council, where he currently serves as chairman. He has a degree in Natural Resources and Environmental Education from the University of Michigan, as well as, a degree in Industrial Electronics Technology from Peninsula College.



**Mike Weinstein, Investment Analyst, UBS Securities**

Michael Weinstein has over 15 years of experience as a US Electric Utilities equities analyst, starting his financial career in 1998 at Goldman Sachs after serving 11 years as a US Naval Surface Warfare Officer. From 2000-2002, he was a long-term power contract originator at Allegheny Energy before moving on to Zimmer Lucas Partners as a buy-side utilities analyst. He is currently a utilities and power industry analyst at UBS Securities, LLC.



**Ivy Wheeler, NARUC**

Ivy Wheeler has been with NARUC since 2009. Ivy manages the State's Electricity Regulators Capacity Assistance and Training (SERCAT) programs within the domestic grants and research department, overseeing more than twenty capacity assistance projects for NARUC members over four years. She also manages the Clean Coal Technology and Carbon Capture and Storage Partnership between NARUC and the Department of Energy, organizing meetings and visiting sites of educational value to the membership. Ivy received a B.S. from Southern Oregon University.





**Keith White, Vice President  
Business Development & Energy Supply/Chief Strategic Officer  
Northwest Natural Gas Company**

Keith White is Vice President, Business Development & Energy Supply for NW Natural and its Chief Strategic Officer. His company areas of responsibility include strategic planning, business development and gas supply. He is also involved in its gas storage business segment. Mr. White joined NW Natural in 1996. Prior to that, he spent 20 years in the electric utility industry at Portland General Electric. He obtained his undergraduate degree in Business from Oregon State University.



**Michael V. Yamane, Chief of Operations, Kaua'i Island Utility  
Cooperative**

Michael Yamane is Kaua'i Island Utility Cooperative Chief of Operations. Yamane is responsible for the areas of Transmission and Distribution (T&D), Production, Engineering, Legislative and Regulatory Affairs and Safety. Michael holds a Bachelor of Science Degree in Electrical Engineering from the University of Hawaii at Manoa specializing in Computer Hardware and Software, Power and Control, and Communications. He is a registered Professional Engineer in the State of Hawaii and is also a licensed commercial pilot with a multiengine/instrument rating.



**Rachel Young, Research Analyst, American Council for Energy-  
Efficient Economy**

Rachel Young is a Research Analyst at the American Council for an Energy-Efficient Economy (ACEEE) where she evaluates the impacts of federal and national energy efficiency policies conducting quantitative and qualitative research in a number of ACEEE priority areas. Prior to joining ACEEE, Rachel was an Energy and Climate Fellow at the Breakthrough Institute.



**Kent Zammit, Area Manager, Land and Water Sciences, EPRI**

Kent Zammit serves as Area Manager for Land and Water Sciences in the Environment Sector at EPRI. He manages programs covering the use, treatment and discharge of water; combustion residuals and groundwater protection in power generation. Kent received his B.S. degree in Mechanical Engineering from Louisiana State University. He is a member of the American Society of Mechanical Engineers and Phi Tau Sigma.

Notes:





## Fairmont Olympic Hotel Map

