



PACIFIC NORTHWEST ECONOMIC REGION

28th Annual Summit in Spokane

July 22-26, 2018





Greetings from the Governor

July 22 – 26, 2018

I am pleased to welcome you to Spokane for the Pacific Northwest Economic Region's (PNWER) 28th Annual Summit. We are honored and excited to host the 2018 Summit and look forward to continuing the great work of PNWER through fruitful discussions and strengthening relationships across the region.

Washington is a founding member of PNWER and actively encourages collaboration in the Pacific Northwest and Western Canada through the close cultural, bilateral, and multilateral links we have built with our neighbors. Our economies are deeply intertwined. Washington exports \$8 billion and imports \$13.5 billion in goods to and from Canada annually, and nearly 225,000 jobs in Washington depend on trade and investment with our neighbors to the north.

Our states, provinces and territories often share similar challenges as well as opportunities. Working together through PNWER allows us to learn from each other to pursue our individual and collective goals and enhance the quality of life of our citizens. The 2018 PNWER Summit will be an excellent forum to discuss topics such as trade, workforce development, cleantech and energy innovation, transportation and other subjects critical to Washington and to our regional economy. Washington is proud to support the Cascadia Innovation Corridor, working together as a region for increased collaboration in the development of a regional innovation zone connecting our universities, established industry leaders and start-ups. The PNWER Summit is an excellent way for the region's industry leaders, innovators and legislators to establish and strengthen cross-border relationships.

I extend my best wishes for an exciting and productive Summit. This is an important time for our region, and Spokane is the perfect venue for us to come together and envision our collective future.

Very truly yours,

Jay Inslee
Governor

Table of Contents

| | |
|----|--|
| 2 | Conference Schedule |
| 4 | About PNWER |
| 5 | 2017-2018 Leadership |
| 6 | Welcome from the PNWER President |
| 7 | Welcome from the WashingtonHost Committee |
| 8 | Networking Tool |
| 9 | NAFTA Modernization Taskforce |
| 10 | PNWER Year in Review |
| 12 | Capital Visits |
| 14 | Center for Regional Disaster Resilience |
| 15 | Legislative Energy Horizon Institute |
| 16 | Keynote Speakers |
| 21 | Featured Speakers |
| 23 | Detailed Agenda |
| 49 | Policy Tours |
| 50 | 2019 Summit Sponsors |
| 65 | Map to Washington State University Reception on Monday |
| 66 | Map to Spokane Riverfront Reception on Tuesday |
| 67 | Save the Date: PNWER Economic Leadership Forum |
| 68 | Hotel Map |
| 69 | Save the Date: 29th Annual Summit |

- 10:00am – 8:00pm **Registration**— Grand Ballroom Lobby
- 12:00pm – 1:00pm **Executive Board Luncheon**— Meeting Room 1
- 1:00pm – 4:00pm **Executive Committee & Delegate Council Meeting (open to all)**- Meeting Room 2
- 4:30pm – 8:30pm **Invitation Only: Ride the Rails Reception** — Ticket & Directions in Reg Packet. Invited attendees are to meet at the Amtrak station 3 blocks away at 4:30
- 5:00pm - 7:00pm **Offsite Networking Reception at Dry Fly Distilling (open to all attendees over 21)**- Buses will depart from the corner of Washington & Spokane Falls Blvd
- 9:00pm – 11:00pm **Hospitality Suite**— Terrace East, 2nd Floor. Hosted by Andeavor

Monday, July 23

- 7:00am – 5:00pm **Registration**— Grand Ballroom Lobby
- 7:30am - 9:00am **Opening Ceremonies and Keynote Breakfast** featuring a Trade Panel Keynote with Colin Robertson, Canadian Global Affairs Institute, Chris Sands, Johns Hopkins Center of Advanced International Studies, and Dan Ujzco, Cross Border Canada—U.S. Practice Group Chair Dickinson Wright. Panel moderated by former US Ambassador to Canada David Wilkins, Partner, Nelson Mullins Riley & Scarborough. Hosted by BNSF Railway— Grand Ballroom AB

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| <p>9:15am - 11:30am</p> <p>Trade Cedar Ballroom Hosted by Nelson Mullins and Trade for America</p> <ul style="list-style-type: none"> • Update on NAFTA • Regulatory Cooperation • Private sector perspective | <p>Carbon Policy & Energy Reliability in the PNW Mtg Room 1</p> <ul style="list-style-type: none"> • Clean energy targets impact on energy reliability • Status of carbon policy in PNWER jurisdictions | <p>Mining Mtg Room 2 Hosted by Midas Gold Idaho</p> <ul style="list-style-type: none"> • Redevelopment of Legacy Mines • Demand for new tech • Outlook for 2019 | <p>Health Innovations Maple Ballroom</p> <ul style="list-style-type: none"> • WWAMI • Biomedical research as an economic driver • Telemedicine • Opioid Impacts and role of legislators | <p>Transportation & Infrastructure Finance Birch Ballroom</p> <ul style="list-style-type: none"> • Cascadia Innovation Corridor and High Speed Rail • Permit Reform • International Market Access | <p>Election Infrastructure & Cybersecurity Mtg Room 10</p> <ul style="list-style-type: none"> • Current threats to election infrastructure • State & local policies to protect infrastructure • Methods to reassure the public • Reporting cyber intrusions |
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11:30am - 12:30pm **Networking Break**—Meeting Room 3. Hosted by Devon Canada

12:30pm - 2:15pm **Keynote Luncheon** featuring a Border Panel Keynote with Alan Bersin, Former Assistant Secretary , Dept. of Homeland Security, and John Ossowski, President, Canadian Customs and Border Services Agency— Grand Ballroom AB. Hosted by the University of Washington

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| <p>2:30pm - 4:45pm Coffee break hosted by Simplot and SaskCanola</p> <p>Border Cedar Ballroom</p> <ul style="list-style-type: none"> • How to advance Beyond Preclearance • New technology at the border • Potential pilots in the region | <p>Energy Maple Ballroom Hosted by BP</p> <ul style="list-style-type: none"> • Shared Energy Economy • Energy Innovation and Research • Renewable natural gas | <p>Agriculture Mtg Room 1</p> <ul style="list-style-type: none"> • Listening session with USDA • Roundtable discussion with state Directors and provincial Ministers of Ag | <p>University Presidents Mtg Room 2 Hosted by CSS</p> <ul style="list-style-type: none"> • Challenges and opportunities in talent development • Strategic partnerships & innovations for emerging challenges in higher education | <p>Transportation & Infrastructure Finance Birch Ballroom</p> <ul style="list-style-type: none"> • Leveraging new U.S. and Canadian infrastructure funds with private sector partnerships | <p>UAS/Drone Applications Mtg Room 10</p> <ul style="list-style-type: none"> • Current and emerging federal/local policy • Use of drones for critical infrastructure inspections • Drones in disaster response |
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5:00pm - 6:00pm **Networking Break**—Meeting Room 3. Hosted by Teck

6:00pm - 8:00pm **Offsite Reception** at WSU Spokane Health Sciences building, Hosted by Washington State University— Buses will pick up at Washington & Spokane Falls Blvd. Walking directions available at Reg. Desk.

9:00pm - 11:00pm **Hospitality Suite**, hosted by the Canadian Engineering & Geoscience Professions Regulators—Terrace East, 2nd Floor

Tuesday, July 24

- 7:00am – 5:00pm **Registration**— Grand Ballroom Lobby
- 7:30am - 9:00am **Keynote Breakfast** featuring Evan Reis, Director, PE, SE, Executive Director, Co-Founder, U.S. Resiliency Council, Hosted by Pacific Northwest Building Resilience Coalition— Grand Ballroom AB

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| <p>9:15am - 11:30am Coffee break hosted by CLIA-NW</p> <p>Tourism Mtg Room 11</p> <ul style="list-style-type: none"> • Update on regional tourism dashboard • WA State Marketing discussion • Industry Challenges • Preclearance Implementation | <p>Infrastructure Resilience Birch Ballroom</p> <ul style="list-style-type: none"> • Methods to reduce carbon emissions in infrastructure • Preparing infrastructure for disasters/climate impacts | <p>Cross-Border Livestock Health Mtg Room 1 Hosted by Alberta Beef Producers</p> <ul style="list-style-type: none"> • Livestock border crossings, port procedures, and industry issues—regulator perspectives • Electronic certification and traceability | <p>Innovation Cedar Ballroom Hosted by Microsoft</p> <ul style="list-style-type: none"> • Targeting emerging technologies to achieve more efficient delivery of government services • Dealing with privacy concerns: How do government and business ensure privacy while delivering government services | <p>Forestry Mtg Room 2</p> <ul style="list-style-type: none"> • Forest Restoration, Mass Timber, and Climate Change • Building for Carbon Benefits: Best practices, Future Opportunities, the Science • Discussion with Panelists and Policy Makers |
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Tuesday, July 24 Continued

11:30am - 12:30pm **Networking Break**—*Meeting Room 3*

12:30pm - 2:15pm **Keynote Luncheon** featuring **Vicki Christiansen, Forest Service Chief, U.S. Forest Service, and Fritz Wolff, Co-Chair and Founder of Katerra, Hosted by Avista**—*Grand Ballroom AB*

2:30pm - 4:45pm

Coffee break hosted by Food Northwest

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| <p style="text-align: center;">Energy Innovations <i>Cedar Ballroom</i></p> <ul style="list-style-type: none"> Strengthening Innovation Ecosystems Northwest Energy Innovation Alliance Developing a globally competitive energy industry sector in the Northwest | <p style="text-align: center;">Cross-Border Livestock Health <i>Mtg Room 1</i> <i>Hosted by Alberta Beef Producers</i></p> <ul style="list-style-type: none"> Current border challenges & solutions Diseases of PNWER Concern— updates & issues | <p style="text-align: center;">Workforce Development <i>Maple Ballroom</i></p> <ul style="list-style-type: none"> Automation and Advanced Manufacturing: Jobs of tomorrow The Future of Work: How jurisdictions are training our workforce today | <p style="text-align: center;">Automated, Electric, Shared Vehicles <i>Birch Ballroom</i></p> <ul style="list-style-type: none"> Is the public ready for an ACES world Transportation Electrification can boost our economies while enhancing our environment | <p style="text-align: center;">Water Policy <i>Mtg Room 2</i></p> <ul style="list-style-type: none"> Water resource planning and actions at the State level Water scarcity and Variability Targeting research investments R&D and Innovation Water Policy Legislative Roundtable |
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5:00pm - 6:00pm **Networking Break**—*Meeting Room 3*

5:00pm - 7:00pm **Spokane Riverfront Park Reception at Loeff Carousel, Hosted by the City of Spokane**—Park is located 2 blocks away. Walking directions available at Reg

9:00pm - 11:00pm **Hospitality Suite**—*Presidential Suite. Hosted by Jordan Cove LNG*

Wednesday, July 25

7:00am - 5:00pm **Registration**— *Grand Ballroom Lobby*

7:30am - 12:00pm **Energy Policy Tour**- Check in at Reg Desk for tour departure. **Space is still available*

7:30am - 9:00am **Keynote Breakfast** featuring the **Honourable Deron Bilous, Alberta Minister of Economic Development and Trade, and the Honourable Bob McLeod, Premier of the Northwest Territories**—*Grand Ballroom AB.*

9:15am - 11:30am

Coffee break hosted by Washington PUD Association

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| <p style="text-align: center;">Columbia River Treaty Session <i>Birch Ballroom</i></p> <ul style="list-style-type: none"> Canada and U.S. Negotiations featuring lead negotiators Listening Session: Benefits and impacts of the Treaty, focusing on ecosystems, tribal groups, utilities, tourism, agriculture, recreation, and more Legislative Panel | <p style="text-align: center;">Cross-Border Livestock Health <i>Mtg Room 1</i> <i>Hosted by Alberta Beef Producers</i></p> <ul style="list-style-type: none"> Livestock sector security (food, bio, cyber, other) EM Preparedness Risk Readiness NAFTA process summary Potential livestock trade implications | <p style="text-align: center;">Economic Development <i>Maple Ballroom</i></p> <ul style="list-style-type: none"> Rural communities partnership initiative Best practice: Spokane's University District Rural Economic Development Access to Capital | <p style="text-align: center;">Invasive Species <i>Mtg Room 2</i></p> <ul style="list-style-type: none"> U.S. Dept. of Interior- "Safeguarding the West" Initiative & Updates Legislative panel on Quagga Zebra Mussel priorities Sudden Oak Death Stopping Northern Pike | <p style="text-align: center;">10:30am Executive Committee & Delegate Council Meeting (open to all) <i>Cedar Ballroom</i></p> <ul style="list-style-type: none"> PNWER business and prioritization of PNWER activities |
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11:30am - 12:00pm **Networking Break** - *Meeting Room 3. Hosted by MDU Resources*

12:00pm - 1:45pm **Keynote Luncheon: Growing Global Competitiveness through Expanding Markets and Infrastructure** featuring the **Hon. Lyle Stewart, Minister of Agriculture for Saskatchewan, Stephen Metruck, Executive Director of the Port of Seattle, and Bruce Agnew, Director of Cascadia Center**—*Grand Ballroom Lobby. Hosted by Enbridge and Puget Sound Energy*

2:00pm - 5:30pm

Coffee break hosted by G7 Generations

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| <p style="text-align: center;">Grand Coulee Dam Tour 2pm-10pm Check in at Reg Desk for tour departure</p> <p>This tour will feature the Grand Coulee Dam, one of the most significant water systems in Eastern Washington. Participants will get the chance to take part in a special tour of the facilities and hear from the local community.</p> <p><i>*Due to advanced security requirements, this tour is now closed for new participants.</i></p> | <p style="text-align: center;">Fairchild Air Force Base Tour <i>2:30pm- 5:30pm</i> Check in at Reg for departure</p> <p>Attendees will be given a tour of the base's facilities and learn more about the important role the base plays in the local economy.</p> <p><i>*Due to advanced security requirements, this tour is now closed for new participants.</i></p> | <p style="text-align: center;">Kaiser Aluminum Tour <i>2:30pm- 5:30pm</i> Check in at Reg for departure</p> <p>Kaiser Aluminum is an important part of the supply chain in aerospace, automotive, and industrial applications. Attendees will tour their production facility.</p> <p><i>*Space is still available</i></p> | <p style="text-align: center;">Invasive Species <i>Mtg Room 2</i> <i>2:00pm- 4:15pm</i></p> <ul style="list-style-type: none"> Regional Invasive Species Panel— enhancing coordination Emerging threats/ pathways | <p style="text-align: center;">2:30pm Executive Committee & Delegate Council Meeting (open to all) <i>Cedar Ballroom</i></p> <ul style="list-style-type: none"> PNWER business and prioritization of PNWER activities |
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6:00pm - 8:00pm **Closing Reception**— *Terrace East, 2nd Floor.*

9:00pm - 11:00pm **Hospitality Suite**—*Presidential Suite. Hosted by ExxonMobil*

Thursday, July 26

6:30am - 10:00am **Optional Continental Breakfast**— *Birch Ballroom*

7:00am **Columbia River Treaty Study Tour- 2 day event (ends Friday, July 27th)**— Check in for tour in the Birch Ballroom at 6:30 and join us for breakfast.

This two-day tour will take participants to a number of significant sites along the Columbia River, making major stops in British Columbia, and featuring insights from leading experts on recommendations for modernizing the treaty. **Due to advanced arrangements, this tour is closed for new participants*

PNWER is the preeminent bi-national advocate for regional state, provincial, and territorial issues.

Founded in 1991, the Pacific NorthWest Economic Region (PNWER) is a public-private partnership chartered by the states of Alaska, Idaho, Montana, Oregon, and Washington; the western Canadian provinces of Alberta, British Columbia, and Saskatchewan; and Yukon and the Northwest Territories.

PNWER provides the public and private sectors a cross-border forum for unfiltered dialogue, capitalizing on synergies between business leaders and elected officials with the goal of working to advance the region's global competitiveness.

PNWER is recognized by the federal governments of both the United States and Canada as the "model" for regional and bi-national cooperation because of its proven success.

Public & Private Sector Leadership

PNWER delivers results on regional issues through action plans developed within working groups that correspond to the region's key priorities. Each working group is co-chaired by an industry or academic leader and a government representative.

Mission

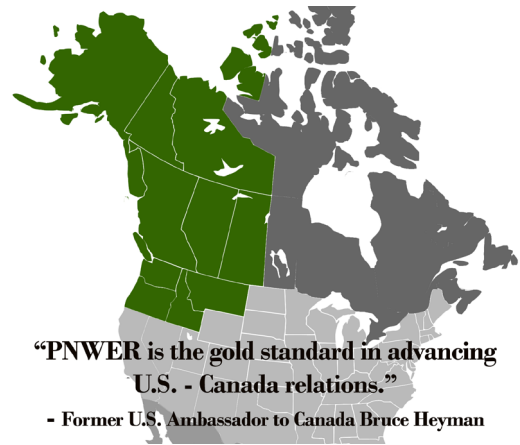
To increase the economic well-being and quality of life for all citizens of the region, while maintaining and enhancing our world-class natural environment.

Goals

- ▶ Coordinate provincial and state policies throughout the region
- ▶ Identify and promote "models of success"
- ▶ Serve as a conduit to exchange information
- ▶ Promote greater regional collaboration
- ▶ Enhance the competitiveness of the region in both domestic and international markets
- ▶ Leverage regional influence in Ottawa and Washington D.C.
- ▶ Achieve continued economic growth while maintaining the region's natural environment

The Region's Future

With over \$1.2 trillion (USD) in gross regional product, the Pacific Northwest region is one of the fastest growing regions of North America, and is Asia's gateway to the continent.



"PNWER is the gold standard in advancing U.S. - Canada relations."

- Former U.S. Ambassador to Canada Bruce Heyman

PNWER Staff

Matt Morrison, CEO

Brandon Hardenbrook, COO

Eric Holdeman, Director, Center for Regional Disaster Resilience (CRDR)

Steve Myers, Senior Program Manager

Rachael Kopp, Events Manager

Jennifer Grosman, Program Manager

Nate Weigel, Program Coordinator

Angelica Wang, Program Coordinator

Chris Chan, CPA, Accountant

Interns

Elizabeth Mayer, University of Washington

Ava Pecora, University of Washington

Lucas Pope, Western Washington University

Arica Schuett, University of Washington

Jacob Sanderson, University of Washington

Zack Tarhouni, University of Washington

PNWER LEADERSHIP



SEN. ARNIE ROBLAN
President
Oregon



HON. LARRY DOKE, MLA
Vice President
Saskatchewan



REP. MIKE CUFFE
Vice President
Montana



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REP. GAEL TARLETON
Vice President
Washington

DELEGATE COUNCIL

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Sen. Kevin Meyer
Sen. Cathy Giessel (Alt)
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Robyn Luff, MLA
Graham Sucha, MLA

BRITISH COLUMBIA

Premier John Horgan
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Sen. Michelle Stennett
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WASHINGTON

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Rep. Gael Tarleton
Rep. Cindy Ryu (Alt)

YUKON

Premier Sandy Silver
Hon. Ranj Pillai
Hon. Pauline Frost (Alt)

**Jurisdiction Leads on the
PNWER Executive Committee
are in bold*

PRIVATE SECTOR COUNCIL *PARTIAL LISTING

PRIVATE SECTOR

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Colin Smith, Engineers &
Geoscientists BC
Dan Kirschner, NWGA

ALASKA

John Boyle, BP
Cam Toohey, Shell
Hans Neidig, ExxonMobil

ALBERTA

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Economic Development
Mike Simpson, Devon
Energy
Larry Delver, Alberta Beef
Producers
Jim Donihee, CEPA
Riley Georgson, Transalta
Scott Thon, AltaLink
Adam Sweet, Edmonton
Economic Development
Donny Van Dyk, Enbridge

BRITISH COLUMBIA

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Geoscientists BC
David Bennett, FortisBC
Don Dalik, Fasken
Martineau
Kevin Davis, Quad-Lock
Hana Doubrava, Microsoft
Marcia Smith, Teck
Charles Kelly, Concrete BC
Dave Cowen, The Butchart
Gardens
Greg Wirtz, CLIA-NWC

IDAHO

Ken Dey, J.R. Simplot
Patrick Kole, Idaho Potato
Commission
Bob Naeurbout, Idaho
Dairymen's Assn.
John Revere, INL/Battelle
Jesse Ronnow, Zions Bank

MONTANA

Mike Halligan, The
Washington Companies
Bob Rowe, Northwestern
Energy

NORTHWEST TERRITORIES

Darrell Beaulieu, Denendeh
Investments
Pawan Chugh, NWT BDIC

OREGON

Dan Kirschner, NWGA
Sunny Radcliffe, PGE
Kent Yu, Seft Consulting
Ken Nichols, EQL Energy
Curt Abbott, Oregon PUD
Association
Diane Warner, Northwest
Cement Council
Mark Sytsma, Portland
State University

SASKATCHEWAN

Shawna Argue, APEGS

Natashia Stinka, Canpotex
Bob McDonald, APEGS

WASHINGTON

Pam Brady, BP
Courtney Wallace, BNSF
Nina Odell, PSE
Brandon Housekeeper, PSE
Irene Plenefisch, Microsoft
Megan Ouellette, Alaska
Airlines
Bob Sailer, PNWLG
George Caan, WPUDA

YUKON

Lynn Hutton, Yukon First
Nations Chamber of
Commerce

OTHER

David Miller, CN
Amb. David Wilkins, Nelson
Mullins

WELCOME FROM THE PRESIDENT



On behalf of the Pacific NorthWest Economic Region (PNWER) Executive Board and Delegate Council, welcome to the 28th Annual Summit. We are honored and excited to be here with you in Spokane this year.

Our 10 jurisdictions span a variety of natural wonders, abundant resources, and economic opportunities, each distinct in their own right. The Summit is a wonderful gathering of all that the region has to offer, and with our collective voices we have the chance to greatly impact the way we approach our shared challenges. Your contributions at the Summit are invaluable and essential to PNWER's mission to improve understanding, growth and cooperation across the bi-national region. With this collaborative spirit, please take the opportunity to build relationships, share your experiences, and learn from others.

I would also like to welcome participants from the Pacific NorthWest Disaster Resilience Symposium and the Columbia River Treaty Symposium, both held in conjunction with the PNWER Annual Summit this year. The Pacific NorthWest Disaster Resilience Symposium, designed by PNWER's Center for Regional Disaster Resilience, will host leaders and decision makers in election infrastructure and cyber security to address common issues, examine solutions, and promote information sharing. The Columbia River Treaty Symposium brings together federal, state, local, tribal leaders, public policy leaders, academics, private partners and various stakeholders of the Columbia River to discuss the benefits and impacts of the River on our region. This three part symposium was only made possible by the collective efforts of our leadership in British Columbia and the states of Montana, Idaho, Washington, and Oregon. The success of this Symposium truly embodies the regional partnerships that thrive throughout the PNWER jurisdictions.

It has been an absolute honor serving this past year as PNWER President. These are a few of our accomplishments:

Trade: The PNWER NAFTA Modernization Task Force created a survey to gather feedback across North America, and communicated recommendations to Parliament, the USTR, and members of Congress. PNWER consulted with state and provincial leadership, and just hours after the proposed U.S. tariff announcement, sent a strong message to the White House that Canada should be exempt from the steel and aluminum tariffs, and that tariffs are not the way to address trade imbalances.

Energy: The Legislative Energy Horizon Institute, PNWER's annual 60 hour certificate program in energy policy, has graduated over 200 MLAs and legislators to date. 40 legislators, including MLAs from Saskatchewan and British Columbia, will participate in the Institute this July in Richland, Washington, and November in DC.

Invasive Species: PNWER was instrumental in securing \$14 million in federal funds for the fight against invasive species for Washington, Idaho, Oregon, and Montana over the past 3 years. These mussels would have a devastating impact on the agriculture and hydropower sectors. PNWER has pushed Canadian federal agencies to support provincial efforts and is collaborating with the provinces on an Invasive Mussel Prevention Framework for Western Canada.

Cybersecurity: PNWER's Center for Regional Disaster Resilience procured independent funding from DHS to develop a cyber resilience assessment tool and also a cyber response planning guide for businesses and local governments in the region.

We hope you will find this year's Summit agenda to be engaging and thought provoking, and we are excited to be continuing our discussions in Spokane. I would like to personally invite you to the 2018 Economic Leadership forum this November 13-15, in Whitehorse, Yukon, and next year's 29th Annual Summit in Saskatoon, Saskatchewan from July 21-25, 2019.

Thank you for coming to the Summit, and for your continuous effort in making the Pacific Northwest a region that we are proud to call home.

Sincerely,

A handwritten signature in blue ink that reads "Arnie Roblan".

Sen. Arnie Roblan
PNWER President 2017-2018
Oregon State Legislature

WELCOME FROM THE WASHINGTON STATE HOST COMMITTEE

Dear PNWER Delegates,

Welcome to the Pacific NorthWest Economic Region (PNWER)'s 28th Annual Summit. It is our great pleasure to welcome you to Spokane - the economic and cultural center of the Inland Northwest. We hope that you enjoy our outstanding program and take some time to enjoy this vibrant city.

Now more than ever, it is vitally important that we come together in a collaborative setting. This year has been an important one in the U.S. - Canada relationship and we remain encouraged by the strong friendships that have been formed by all of our members across borders. Through cross-border collaboration and meaningful dialogue, PNWER aims to enhance our regional connections, and dispense with the barriers created by boundaries and borders. The strength of these regional working relationships is as important as ever.

The PNWER Annual Summit gives guests a unique opportunity to connect and collaborate together to advance regional interests. This year's program will feature an inspiring roster of leaders from across the region and beyond.

Presentations and discussions in our sessions will include focus on issues facing trade, economic and regional resilience, PNWER's role in NAFTA modernization, innovation, agriculture, cross-border livestock health, forestry, workforce development, and key elements in the Columbia River Treaty.

We hope that you will join the networking events and exciting policy tours we have planned. We look forward to your participation as we work together to promote the interests of our region.

The Host Committee is pleased you have chosen to join us for the 28th Annual Pacific Northwest Economic Region in Spokane, for what promises to be a dynamic and very fruitful Summit. Your attendance and contributions to its success will do much to help shape the future of the Pacific Northwest. Welcome to Spokane!

Sincerely,



Rep. Gael Tarleton
Washington State
PNWER Vice President
Host Committee Co-Chair



Dennis Vermillion
President
Avista
Host Committee Co-Chair

2018 Host Committee *Partial listing

Sen. Michael Baumgartner, Washington
Sen. Andy Billig, Washington
Sen. Maralyn Chase, Washington
Sen. Jim Honeyford, Washington
Sen. Judy Warnick, Washington
Sen. Lisa Wellman, Washington
Rep. Barbara Bailey, Washington
Rep. Bruce Chandler, Washington
Rep. Mary Dye, Washington
Rep. Jeff Morris, Washington
Rep. Timm Ormsby, Washington
Rep. Marcus Riccelli, Washington
Rep. Cindy Ryu, Washington
Rep. Gael Tarleton, Washington
Karen Blasdel, PNNL
Catherine Brazil, UW
George Caan, WPUDA
Stacey Cowles, Cowles Company

Kelly Fukai, Schweitzer Engineering Laboratories
Gynii Gilliam, Coeur d'Alene Area EDC
Ann Goos, WSU
Christine Johnson, Community Colleges of Spokane
Cheryl Kilday, Visit Spokane
Jessica Kirk, Greater Spokane Incorporated
Curt Kirkeby, Avista
Dan Kirschner, NW Gas Association
Matt McCoy, Office of Sen. Baumgartner
Todd Mielke, Greater Spokane Incorporated
Col. Brian Newberry, Leadership Spokane
Gloria Ochoa-Bruch, Office of Mayor Condon
Nancy Szofran, Community Colleges of Spokane
Gloria Toticaguena, Idaho Policy and Consulting
Todd Woodard, Spokane International Airport
Charlie Wolff, City of Spokane
Dennis Vermillion, Avista

NETWORKING TOOL & MOBILE SCHEDULE

New scheduling tool for PNWER Delegates!

View the most recent session details and co-chair/speaker information

Create your own custom itinerary

Network with other attendees

Visit www.pnwer.org/agenda on your computer or mobile device to sign-up for Sched

Use #PNWER and @PNWER to engage with other participants on social media



Legislators from across the U.S. and Canada participated in the Legislative Energy Horizon Institute (LEH) in early July in Richland, Washington. Legislators explore the North American energy infrastructure system. Here the class visits a natural gas facility. More information on page 15.



Over 200 cyber/IT and other professionals participated in the 4th Annual Idaho Security Interdependencies Workshop in April. The event was organized in conjunction with the Idaho Office of Emergency Management and featured expert discussions on cyber threats, response collaboration, reporting and developing a diverse workforce. Here attendees partake in a simulation of a cyber attack. More information on Center for Disaster Resilience events on page 14.

Code of Conduct

It is the policy of the Pacific NorthWest Economic Region (PNWER) that all participants, including attendees, staff, volunteers, and all other stakeholders at PNWER meetings will conduct themselves in a professional manner that is welcoming to all participants and free from any form of discrimination, harassment, or retaliation. To make it possible for true collaboration, creativity, innovation, and idea exchange to thrive we are committed to facilitating a welcoming, respectful, and professional community for all.

Participants will avoid any inappropriate actions or statements based on individual characteristics such as age, race, ethnicity, sexual orientation, gender identity, gender expression, marital status, nationality, political affiliation, ability status, educational background, or any other characteristic protected by law. Disruptive or harassing behavior of any kind will not be tolerated. Harassment includes but is not limited to inappropriate or intimidating behavior and language, unwelcome jokes or comments, and unwanted touching or attention.

Inappropriate behavior will not be tolerated. PNWER reserves the right to refuse entry to or remove any party from the event at any time. Sanctions may range from verbal warning, to ejection from the meeting without refund, to notifying appropriate authorities. If you witness or are subjected to inappropriate behavior or have any other concerns, notify a PNWER staff member as soon as possible.

NAFTA MODERNIZATION TASK FORCE

In November 2016, PNWER established a NAFTA Modernization Task Force to work toward developing a regional bi-national consensus of recommendations to update the agreement. The Task Force held monthly calls with the goal of discussing key areas of interest to include in a modernized agreement and to develop a survey to reach out to the economic sectors across the binational region. With NAFTA renegotiation ongoing, PNWER provides regular updates on the renegotiation process.

More information at www.pnwer.org/nafta-modernization.html

NAFTA Modernization Survey

Through this process PNWER created a survey to gather feedback from across North America. The survey collected data from industries and organizations on overarching principles that they would like to see included in a renegotiated NAFTA agreement. The results of the survey were submitted to the United States Trade Representative and Canadian Parliament House Standing Committee on International Trade respectively in response to their calls for public comment. PNWER also testified at hearings at the US Dept. of Commerce and Standing Committee on International Trade in Ottawa.

NAFTA Modernization Resolution

In November 2017 the PNWER Board approved a resolution in support of the modernization of NAFTA. In summary, the resolution states that the PNWER supports the modernization of NAFTA to enhance the existing economic relationships within PNWER jurisdictions in a mutually beneficial manner; and, that PNWER continues to encourage our countries to respect the spirit of NAFTA by promoting policies that support and enhance the integrated nature of our supply chains and economies that provide jobs in our respective communities; and that PNWER supports improvements that enhance the commitment and the success for all parties of NAFTA; and that PNWER members encourage their federal governments to strive towards a modernized NAFTA that builds upon its current success to further enhance trade and investment in North America.

Statement on Tariffs

In 2018 the PNWER Executive Committee wrote to President Trump and Secretary Ross and released several statements in favor of exempting Canada from Steel and Aluminum Tariffs. Likewise, PNWER issued a statement opposing tariffs on wood coated paper products. The PNWER Executive Committee recognizes this cross border region works closely together every day with our interconnected and interdependent supply chains, and dozens of cross border cooperative agreements on everything from our shared transboundary watersheds, cross border airsheds, climate action, cross border law enforcement, invasive species prevention, forest fires prevention, to defending our shared borders in the 60 year old NORAD (North American Air Defense) System. Protectionism will seriously damage the vital economic regional partnership in both of our countries.



PNWER presented testimony based on stakeholder perspectives and the NAFTA Taskforce at the International Trade Committee in Ottawa.



Steve Myers, on behalf of PNWER, testified to the United States Trade Representative (USTR) stakeholders to state our recommendations for NAFTA Modernization.

THE PAST YEAR



Sen. Arnie Roblan assumed PNWER presidency from Dan Ashton, MLA at the 27th Annual PNWER Summit in Portland, Oregon.

PNWER Summit brought together 843 delegates to discuss major regional challenges and opportunities.

PNWER's Legislative Energy Horizon Institute (LEHI) provided an extensive overview of the North American energy system for legislators, administrators and policy experts in Richland, Washington.



PNWER organized a working session on interdependencies between energy and transportation sectors in partnership with Northeastern University. Captain Linda Sturgis, Commander, Coast Guard Sector Puget Sound, shared the lessons from New York's recovery following Hurricane Sandy.

July

August

September

January

February

March



Earthquake Recovery: PNWER hosted an Exercise on post-earthquake disaster recovery efforts in March in Seattle. 125 + energy, transportation, healthcare, education and other sector leaders attended to discuss planning for the post response - long term recovery process.



PNWER hosted the 6th annual North American Arctic Leaders Roundtable held on March 15th in the US Capital, led by US Senators Lisa Murkowski and Dan Sullivan, and Rep. Don Young. Representatives from the U.S., Canada and Greenland, as well as many experts in the Arctic region discussed collaboration on a North American Arctic strategy.



PNWER held the Economic Leadership Forum in Victoria, B.C., a productive meeting with advancements made on PNWER working group action items. Lead delegates from member jurisdictions helped clarify the organization’s priorities for the upcoming year and drafted a NAFTA Resolution. *(Pictured above: Sen. Arnie Roblan)*



The Economic Leadership Forum attendees explored the differences in governance systems and visited the beautiful BC Parliament Building in November.

32 state and provincial legislators and six non-legislative attendees graduated from the rigorous LEHI program in Washington D.C. *(see pg 17).*

PNWER organized a Cybersecurity Workshop to discuss cyber incident reporting and emergency cyber workers.

October

November

December

April

May

June



Transportation: PNWER has long worked with our partners to establish Harbour to Harbor floatplane service between Seattle and Vancouver, BC and helped develop a pilot program with CBSA and CBP for bi-national clearance. The one hour flight is a major boost to tourism and business travelers and the pilot program will begin this spring on April 26th.



Capital Visits: PNWER Leadership meet with the US Ambassador to Canada Kelly Craft in Ottawa. The officers met with Canadian federal leadership on NAFTA, trade, invasive species, border policies, and more.

CAPITALS VISITED IN 2018

BOISE | EDMONTON | JUNEAU
OLYMPIA | REGINA

The PNWER Board makes annual visits to state, provincial, territorial, and federal capitals to advocate for regional issues and assess state, provincial, and territorial priorities that PNWER should focus on in the coming year. Meetings with House and Senate majority and minority leadership and key executive-branch staff provide an opportunity to discuss regional trade and PNWER programs.



PNWER President Sen. Arnie Roblan discussing PNWER initiatives with Governor Jay Inslee of Washington.



PNWER Delegation with the Lieutenant Governor of Saskatchewan, Thomas Molloy (middle). (From left to right,) Brandon Hardenbrook (PNWER), Shawna Argue (APEGGS), Sen. Arnie Roblan (PNWER President, Oregon State Legislator), Rep. Mike Cuffe (PNWER Vice President, Montana State Legislature), Mr. Larry Doke (PNWER Vice President, Saskatchewan MLA), Ret. Senator John Brenden (Montana), Matt Morrison (PNWER Executive Director)



From left to right, Senator Roblan, MLA Robyn Luff (Alberta), and Chris Radojewski (Alberta Economic Development & Trade) all suited up and enjoying the tour of the innovative Food Processing Development Centre in Edmonton, Alberta.



Premier Scott Moe (top left) conversing with the PNWER Delegates in Regina. PNWER is excited to bring the 2019 Annual Summit to Saskatoon next July 21 to 25.

Engagement and Outreach to Ottawa and DC

PNWER has actively engaged with Congressional and Federal officials from the US and Canada. PNWER Officers traveled to Washington D.C. in March and to Ottawa in early June to meet with federal leadership to discuss PNWER initiatives on both sides of the border.



PNWER delegates with U.S. Ambassador Kelly Craft (pictured in between Rep. Mike Cuffe, Montana on the left and Sen. Arnie Roblan, Oregon to the right)



From left to right, Hon. Lawrence MacAulay, Minister of Agriculture and Agri-Food, Senator Diane Griffin (Prince Edward Island), Sen. Arnie Roblan (Oregon, PNWER President), Matt Morrison (PNWER Executive Director).



Meeting with officials from Oceans and Fisheries Canada on the impact of a potential quagga/zebra mussel invasion in our region, as well as preventing future infestations in our waterways.



PNWER Delegates met Hon. Andrew Leslie, Parliamentary Secretary to the Minister of Foreign Affairs, Canada- U.S. Relations.

The Pacific NorthWest Economic Region hosted an Arctic Roundtable on March 15, 2018 in Washington, D.C with Representatives from the governments of U.S., Canada and Greenland as well as arctic experts. U.S. Senators Lisa Murkowski and Dan Sullivan and Representative Don Young provided their insights on the challenges and changes in the U.S. Federal Government's role in Arctic Policy. Alaska state Senators Cathy Giessel and Bert Stedman along with Representative Charisse Millet highlighted the State of Alaska's arctic policies, while Arctic experts commented on the challenges and opportunities for the Arctic region.

Visit the PNWER Blog at www.pnwer.org/blog for more details on our discussions in our regional capitals.



Senator Cathy Giessel, Senator Dan Sullivan, and Representative Don Young spoke on the value of transportation, environment, and the strategic importance of the arctic.

CENTER FOR REGIONAL DISASTER RESILIENCE



The Center for Regional Disaster Resilience (CRDR), operating under PNWER, focuses on infrastructure interdependencies and disaster resilience projects. The CRDR is committed to working with states, provinces, territories and communities to create public-private partnerships, develop action plans, and undertake pilot projects to improve regional disaster resilience.

2018 Workplan

DRONES

WILDFIRES

EARTHQUAKES

CYBERSECURITY

MARITIME SECURITY

INFRASTRUCTURE

Partner: Global Resilience Institute

A partnership has been formed with the Northeastern University's Global Resilience Institute (GRI). CRDR staff contributed to a GRI study on the impact of wildland fires on critical infrastructures. Work on earthquake resilience that began with a GRI-led Critical Infrastructure Workshop in September, will continue in 2018. The CRDR will plan and execute a Blue Cascades, Earthquake Recovery Tabletop Exercise for King County, Washington focused on critical infrastructure interdependencies.



Fort McMurray Fire Study with Paul Spring. Phoenix Heliflight (left) and Steve Myers, PNWER (right).

Public & Private Collaboration

Cybersecurity



Cybersecurity has remained an area of emphasis with two workshops in Washington State and one in Idaho. Topics included communication sharing and cyber insurance. Rep. Zack Hudgins (WA) spoke on cybersecurity.



A board game guided participants through a cyber attack and response. Lessons learned on vulnerability and response planning will be addressed in the future.

2018: Maritime & Drones Resilience Challenge

CRDR has been awarded two Department of Homeland Security Resilience Challenge infrastructure projects. The first project will develop a maritime cybersecurity reporting Concept of Operations (CONOPS) that can be used by the maritime industry to report cybersecurity incidents and share information with key partners.

The second grant, in partnership with the Global Resilience Institute, will develop technologies to use Unmanned Aircraft Systems (UAS), or drones, to inspect critical infrastructures post disaster. GRI will provide the technical expertise to execute the engineering aspects of the project and the CRDR will assist with overall stakeholder coordination and grant administration.

LEGISLATIVE ENERGY HORIZON INSTITUTE

The Legislative Energy Horizon Institute (LEHI) is a certificate program covering the North American energy system. LEHI is specifically designed to prepare emerging state and provincial leaders to address the complex energy issues facing state and provincial legislatures.

The 6-day certificate program in energy policy through the University of Idaho, includes the following:

- ▶ Electric Power Generation, Transmission, Distribution
- ▶ Natural Gas Production, Transmission & Delivery
- ▶ Petroleum 101
- ▶ Integrating renewables
- ▶ Smart Grid & Energy Storage
- ▶ Canada's Energy Picture
- ▶ Future of Utilities & Ratemaking
- ▶ Carbon Markets
- ▶ Cyber Security
- ▶ Outlooks for state & provincial energy regulation

260
ALUMNI

Legislators, municipal leaders, committee staffers, executive branch officials have graduated from the program to date.

12,000
HOURS

Hours contributed by legislators to participate in energy training.

60
CLASS
HOURS

Split into two sessions in Richland, WA and Washington DC.

4.83
RATING

Legislators give LEHI a rating of 4.83 out of 5 on quality, saliency, and content.

56%
KNOWLEDGE
GAIN

Average knowledge gain for 2017 LEHI participants.



Legislators from Washington, Idaho, and Montana explored integrated resource planning with an interactive simulation.

PARTNERS

University of Idaho
U.S. Department of Energy
National Conference of State Legislatures (NCSL)
Government of Canada
Western Governors Association
Pacific Northwest National Laboratory

2018 INSTITUTE

July 7-10, 2018 in Richland, WA
November 8-10, 2018 in Washington, D.C.

MORE INFORMATION

www.pnwer.org/energyhorizon.html



The Washington State delegation following the LEHI Graduation Ceremony in Washington D.C. in October 2017.

“The energy policies we face as state legislators are so very important and very complex. The LEHI experience provides a detailed foundation of knowledge and experience that will help state legislators more effectively handle the energy policies that we must face to improve our state and local communities.

- Assemblyman Phil Pamesano, New York

MONDAY BREAKFAST



Colin Robertson, *Vice President and Fellow*, Canadian Global Affairs Institute

A former Canadian diplomat, Colin Robertson is Vice President and Fellow at the Canadian Global Affairs Institute. He is an Executive Fellow at the University of Calgary's School of Public Policy and a Distinguished Senior Fellow at the Norman Paterson School of International Affairs at Carleton University. Robertson sits on the advisory councils of the Johnson-Shoyama School of Public Policy, North American Research Partnership, the Sir Winston Churchill Society of Ottawa and the Conference of Defence Associations Institute. He is an Honorary Captain (Royal Canadian Navy) assigned to the Strategic Communications Directorate. He is a member of the Deputy Minister of International Trade's NAFTA Advisory Council and the North American Forum.



Chris Sands, *Senior Research Professor, Director of the Center for Canadian Studies*, Johns Hopkins Center, School of Advanced International Studies

Dr. Sands began his career as a policy research scholar, and is a nonresident Senior Associate of the Center for Strategic and International Studies (CSIS) the Washington think tank where he was a resident specialist on Canadian affairs from 1993 until 2002. He is a member of the board of the Canada – United States Law Institute, a joint venture of the law schools of Case Western Reserve University and the University of Western Ontario.

Dr. Sands was elected in 2017 to a two-year term as a member of the executive council of the Association for Canadian Studies in the United States, and he is a member of the American Political Science Association (where he served as treasurer and a member of the executive of the Canadian Politics Group from 2010 until 2017) and the International Studies Association.



Dan Ujzco, *Cross Border (Canada-U.S.) Practice Group Chair*, Dickinson Wright

Dan is an international trade and customs lawyer who specializes in Canada-United States and North American matters. Dan also coordinates Dickinson Wright's innovative Canada-U.S. Platform.

Dan is one of the few individuals that has served in the US and Canadian governments, as well as private practice and academia. Prior to joining Dickinson Wright, Dan served as an officer in Canada's foreign ministry and he was the Managing Director of the Canada-United States Law Institute. Dan also was a visiting professor of law at Case Western Reserve University School of Law and was a legal adviser to the US Department of Homeland Security and the US Coast Guard.



Ambassador David Wilkins, *Partner*, Nelson Mullins Riley & Scarborough LLP

Ambassador David Wilkins is a partner at Nelson Mullins Riley & Scarborough LLP and chairs the Public Policy and International Law practice group with a special focus on U.S.- Canada interests. He proudly served as U.S. ambassador to Canada from June 2005 to January 2009, appointed by President George W. Bush. Since returning home from Canada, Ambassador Wilkins spent six years chairing the Clemson University Board of Trustees and remains an active member of that board. He also sits on the boards of Porter Airlines, Mattamy Homes and Resolute Forest Products. In 2010, then South Carolina's Governor-elect Nikki Haley tapped Wilkins to chair her government transition team. First elected in 1980, Ambassador Wilkins served 25 years in the South Carolina House of Representatives. He was elected speaker in 1994 – a position he held for 11 years until he resigned for his ambassadorship post. He is the recipient of numerous awards including the state's highest honor, the Order of the Palmetto.

MONDAY LUNCHEON



Alan Bersin, *Former Assistant Secretary*, Department of Homeland Security

Alan Bersin served as Assistant Secretary for International Affairs and Chief Diplomatic Officer for the U.S. Department of Homeland Security (DHS) Office of Policy. In those capacities, Bersin oversaw DHS's international engagement, served as the principal advisor to the Secretary on all matters pertaining to international affairs, and was responsible for leading the Department's strategic planning and policy formulation functions. Previously, Mr. Bersin served as Commissioner of U.S. Customs and Border Protection where he oversaw the operations of CBP's work force and managed an operating budget of more than \$11 billion geared to protecting the nation's borders from all threats while expediting lawful trade and travel. Prior to this service, he was appointed by President Bill Clinton as the United States Attorney for the Southern District of California. Mr. Bersin served as U.S. Attorney for nearly five years and as the Attorney General's Southwest Border Representative responsible for coordinating federal law enforcement from South Texas to Southern California. Mr. Bersin is now an Inaugural Fellow at Harvard's Kennedy School, Belfer Center for Science and International Affairs.



John Ossowski, *President*, Canada Border Services Agency (CBSA)

John Ossowski was appointed President of the Canada Border Services Agency on December 7, 2016. Prior to this appointment, John was Deputy Commissioner of the Canada Revenue Agency from July 2015 to December 2016. He has also held senior positions as Associate Deputy Minister of Public Safety Canada and also as Assistant Secretary, International Affairs, Security and Justice Sector, at the Treasury Board Secretariat (TBS). Before joining CSEC, John was Assistant Director, Government Relationships and Communications at the Financial Transactions and Reports Analysis Centre of Canada, which is Canada's financial intelligence unit. Prior to this, John spent a number of years at TBS in the Government Operations Sector and finally as the Executive Assistant to the Secretary.

TUESDAY BREAKFAST



David Condon, Mayor, City of Spokane

The first re-elected Mayor in Spokane in more than 40 years, Mayor Condon remains focused on many key initiatives which began during his first term – all aimed at making Spokane safer, smarter, and healthier. These include making investments in public safety, growing jobs and our economy, promoting a successful budget, improving Spokane's infrastructure, and increasing the quality of life.

Prior to becoming Mayor of the second largest city in Washington, Mayor Condon's distinguished professional career included serving in the United States Army, owning and operating small businesses, and serving as the Senior Staff in the US House of Representatives. He is committed to making sure Spokane grows and remains the City of Choice.



Evan Reis, SE, Executive Director, U.S. Resiliency Council

Evan graduated from Stanford University in 1988. The following year he was back down on the Farm, helping the University recover from the Loma Prieta Earthquake, as the structural engineer for the retrofit of its most historic buildings, including the Memorial Church and Stanford Art Museum, the first reinforced concrete building built west of the Mississippi.

Evan co-founded the USRC in 2011 to educate building stakeholders and the public about the gap between the growing sustainability movement and true resilient design. Improving community and regional resilience in natural disasters is a national imperative. The USRC's mission is to educate, advocate and promote better tools for assessing and communicating building performance in natural disasters, and provide data to make better-informed decisions on owning, renting, leasing and insuring properties, so that market forces will drive the building design, and procurement process toward more resilient building design.

TUESDAY LUNCHEON



Vicki Christiansen, Interim Chief, U.S. Forest Service

Prior to Vicki's appointment as interim Chief of the USFS, she was Deputy Chief for State and Private Forestry where she had oversight of Fire and Aviation Management, Tribal Relations, Forest Health Protection, Cooperative Forestry, Grey Towers and Conservation Education. She joined the Forest Service in 2010 as the Deputy Director of Fire and Aviation Management. Vicki has worked extensively on the National Cohesive Wildland Fire Management Strategy bringing her experience as a line officer, land manager, wildland fire fighter and State Forester to the effort.

Prior to joining the Forest Service she served as the Arizona State Forester and Director of the Arizona Division of Forestry. She was responsible for the protection of 22 million acres of state and private lands in Arizona, including wildland fire management. Vicki also served as the Washington State Forester where she had a 26 year career with Washington State Department of Natural Resources (DNR). She started as a wildland fire fighter while still in college and held many different positions at Washington DNR with a strong emphasis in operations, managing state trust lands and regulating forest practices on state and private lands in Washington State. Her first permanent position was as a forester responsible for the reforestation of state trust lands in the Mt. Saint Helens blast zone. Vicki has been a wildland fire fighter and fire manager for 36 years.



Fritz Wolff, *Executive Chairman of the Wolff Company, Co-Founder of Katerra*

Fritz is the executive chairman of The Wolff Company, and co-founded Katerra. He is responsible for The Wolff Company's corporate governance and global strategy. Fritz is an active member of the firm's Executive Committee, and co-heads the Investment Committee. He has more than two decades of institutional real estate investment experience.

Fritz attended Gonzaga University and serves as a member of its Board of Regents and its Investment Committee. Fritz completed the OPM Program at Harvard University and is a founding member of YPO Scottsdale.

WEDNESDAY BREAKFAST

Honourable Robert R. McLeod, *Premier, Northwest Territories*



Robert R. McLeod was re-elected to the 18th Legislative Assembly of the Northwest Territories on November 23, 2015, his third consecutive term representing the constituents of Yellowknife South.

During the 17th Legislative Assembly, Mr. McLeod served as Premier, Minister of Executive, Minister of Aboriginal Affairs and Intergovernmental Relations, Minister Responsible for Women and Minister Responsible for New Energy Initiatives. During the 16th Legislative Assembly, Mr. McLeod served as Minister of Human Resources, Minister of Industry, Tourism and Investment, Minister Responsible for the Public Utilities Board, Lead Minister on New Energy Initiatives and Lead Minister for the Mackenzie Valley Gas Pipeline Project.

Honourable Deron Bilous, *Minister of Economic Development and Trade, Alberta*



Born and raised in Edmonton, Deron Bilous knows the incredible contribution Alberta workers have made to our province and our country. Growing-up in a proudly Ukrainian home he also appreciates the strength and beauty of our province's diversity. Between 1995 and 2005, Mr. Bilous worked in Quebec, Tunisia and China on a number of projects with Canada World Youth, a volunteer youth program focusing on international development.

After graduating from the University of Alberta with an education degree in 2001, he taught and mentored students at Edmonton's Inner City High School, where he learned to see potential where others might see hardship. He also began working in neighbourhood and community development.

The voters of Edmonton-Beverly-Clareview first elected him as their Member of the Legislative Assembly on April 23, 2012, and again on May 5, 2015.

A dedicated champion for Alberta workers and Alberta business, Deron Bilous was sworn in as Minister of Economic Development and Trade on October 22, 2015. Prior to this, he served as Minister of Municipal Affairs and as Minister of Service Alberta.

WEDNESDAY LUNCHEON



Steve Metruck, *Executive Director, Port of Seattle*

Metruck brings 34 years of executive experience in maritime, security and financial leadership to his new role. Most recently, Metruck was Commander of the Mid-Atlantic Region, overseeing 3,600 military and civilian personnel, and before that, responsibility for planning and execution of the \$10 billion U.S. Coast Guard budget. Metruck was Commander of Sector Puget Sound from 2005-2008, where he oversaw the creation of the nationally recognized Puget Sound Joint Harbor Operations Center (JHOC).



Bruce Agnew, *Director, Cascadia Center, PNWER Transportation Co-Chair*

Since 1993, Bruce Agnew has been the Policy Director of Seattle-based Discovery Institute's Cascadia Center. The Cascadia Center is a strategic alliance from Vancouver, BC, to Eugene, Oregon, promoting high speed passenger rail, Interstate-5 freight mobility, seamless border crossings, bi-national and bi-state tourism marketing, and sustainable community development. From 1987-93, Mr. Agnew was Chief of Staff for U.S. Representative John Miller from Washington state's first district. Before his congressional service, Bruce Agnew was elected to two terms on the Snohomish County Council, and served as President of the Puget Sound Regional Council in 1985. He is a former member of the Citizen Oversight Panel for Sound Transit, and is a member of the Regional Freight Mobility Roundtable.



Honourable Lyle Stewart, *Minister of Agriculture, Saskatchewan*

Lyle was one of the first members in the newly formed Saskatchewan Party and was elected to the Legislative Assembly as the MLA for Thunder Creek in 1999.

He was re-elected in 2003, 2007, 2011 and 2016. During his two terms in opposition, Lyle served as the Interim Leader of the Party, as well as the critic for Agriculture, Economic Development and Industry and Resources. After the Saskatchewan Party formed the government in 2007, Lyle served as the Minister for Enterprise and Innovation, the chair of the Legislature's Standing Policy Committee on the Economy, a member of the caucus' Standing Policy Committee on the Economy, and the Province's Treasury Board. During 2011-2012 he also served as President to the Pacific Northwest Economic Region (PNWER).

On May 25, 2012, Premier Brad Wall appointed Lyle as the Minister of Agriculture and Minister Responsible for Saskatchewan Crop Insurance Corporation.



Brandon Lee, *Consul General*, Consulate General of Canada in Seattle

Mr. Brandon Lee was appointed as Consul General of Canada in Seattle in 2017, with accreditation for Washington State, Oregon, Idaho and Alaska. Brandon Lee joined the Canadian Department of Foreign Affairs and International Trade (DFATD) in 2004. He has a background leading management and innovation, and he has held several executive and management positions within the department. From 2007 to 2011, he oversaw reform activities to strengthen Canada's international presence and became the Department's first Director of Innovation. From 2012 to 2014, Mr. Lee held senior positions at the World Trade Organization and the International Committee of the Red Cross (both in Geneva), spearheading major organizational and international reform initiatives. From 2015-2017, Mr. Lee was Consul General of Canada in San Francisco, with accreditation for Northern California and Hawaii.



Katherine Dhanani, *Consul General*, U.S. Consulate in Vancouver

Katherine S. Dhanani is a career Foreign Service Officer. Her most recent assignments were in the State Department's Bureau of Human Resources and in the Bureau of African Affairs' Office of Regional and Security Affairs. Before returning to Washington in 2013, she served as Consul General at the U.S. Consulate General in Hyderabad, India. She also has served five assignments to Embassies in central and southern Africa.



Lucia Piazza, *Consul General*, US Consulate in Calgary

Lucia Piazza is the U.S. Consul General to Alberta, Saskatchewan, and the Northwest Territories. Most recently, Lucia served as the director of Crisis Management and Strategy in the Office of the Secretary of State. A career Foreign Service Officer, since joining the State Department in 2001. Lucia has represented the US government as a diplomat in countries throughout Africa and Near East Asia. Lucia received a Master of Science degree in National Security Strategy from the National War College, National Defense University and a Bachelor of Arts degree in Political Science from the University of New Hampshire. She is the recipient of multiple awards including two Superior Honor Awards for her leadership during the 2012 attack on Embassy Tunis and a Superior Honor Award in 2017 for her leadership of the State Department's response to Hurricanes Irma, Jose, and Maria when she and her team oversaw the evacuation and repatriation of over 3000 U.S. citizens. Lucia speaks Arabic, French, Italian, and Spanish.



Arnie Roblan, *Senator*, Oregon State Legislature, PNWER President

Previously Senator Roblan served 4 terms as Representative for House District 9, two terms as Co-Speaker. During his tenure as the Co-Speaker -- in a House divided between 30 Democrats and Republicans -- for the 2011-12 legislative sessions, Senator Roblan became the driving force behind legislation that would help move Oregon forward on important issues. At the conclusion of the 2012 Legislative Session, he was able to complete his work on issues that benefited all Oregonians and particular those in his rural and coastal region.



Larry Doke, MLA, Saskatchewan, PNWER Vice President

Since 2011, Larry has served as MLA for the Saskatchewan riding of Cut Knife – Turtleford. In addition to his duties as MLA for Cut Knife – Turtleford, Larry has served as a member of the Treasury Board and Investment Board; a member of the Economy Standing Committee and Vice Chair of the Economy Caucus Policy Committee. He continues to serve as Deputy Chair for the Standing Committee for Public Accounts and Legislative Secretary to the Minister of Highways and Infrastructure. In addition, Larry is serving as a board member to the Crown Investment Corporation of Saskatchewan, and continues as the Saskatchewan delegate to PNWER. Prior to joining the legislature, Larry was the owner/operator of Fairview Dodge in North Battleford.



Mike Cuffe, Representative, Montana State Legislature, PNWER Vice President

Mike Cuffe earned his degree in Journalism from the University of Montana at Missoula and started his career working in the newspaper business in Libby, Montana. It was here that he developed his organizational and communication skills and a desire to get involved in politics on a local level. After working as a staffer for a Montana Congressman in Washington DC, Cuffe returned to Montana where he was recruited by the timber industry. He achieved top management positions throughout his extensive career in the development of the wood products business in Lincoln County. Mike returned to his communications background and successfully ran Big Sky Publishing in Eureka, Montana.



Graham Sucha, MLA, Alberta, PNWER Vice President

He currently serves as chair of the Standing Committee on Alberta's Economic Future and is a member of the Standing Committee on Private Bills. Mr. Sucha also serves on the Ministerial Panel on Child Intervention. Mr. Sucha previously served as a member of the Standing Committee on the Alberta Heritage Savings Trust Fund, the Standing Committee on Resource Stewardship and the Select Special Ethics and Accountability Committee. Prior to serving with the Legislative Assembly, he worked for over a decade in restaurant management, overseeing several restaurants in the Calgary area. While there he aided in raising money for several charities including the Special Olympics and 2013 Flood Relief.



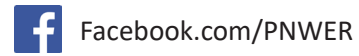
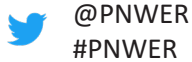
Gael Tarleton, Representative, Washington State Legislature

After a decade working at the Pentagon on security issues affecting ports across the country and other critical facilities, Gael ran two international subsidiaries of a Fortune 500 company in Russia. She was responsible for creating disaster preparedness and emergency response plans for ports nationwide. Her work helped rebuild the country after the Cold War collapse, employing new technologies in an effort to clean up nuclear waste and prevent environmental disasters.

First elected to serve the people of King County as a Port of Seattle Commissioner in 2007, Gael was re-elected in 2011 and served as Commission President in 2012. During her five years at the Port, Gael has worked to increase transparency, protect the environment, and bring an end to human trafficking. Gael was first elected to represent the 36th legislative district in 2012. She will focus on creating jobs, safeguarding our environment, ensuring government accountability, adequately funding higher education, and funding health care.

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DETAILED AGENDA

SUNDAY

- 10:00am - 8:00pm **Registration** | *Grand Ballroom Lobby*
- 12:00pm - 1:00pm **Executive Board Luncheon** (Invitation only) | *Meeting Room 1*
- 1:00pm - 4:00pm **Executive Committee & Delegate Council Meeting** (open to all) | *Meeting Room 2*
- 4:30pm - 8:30pm **Ride the Rails Reception: Invitation Only (limited space)**
Ticket & Directions in Reg. Packet. Invited attendees are to meet at the Amtrak Station 3 blocks away at 4:30pm.
- 5:00pm - 7:00pm **Offsite Networking Reception at Dry Fly Distillery** (open to all attendees over 21)- *Buses will depart from the corner Washington & Spokane Falls Blvd.*
- 9:00pm - 11:00pm **Hospitality Suite** | *Terrace East, 2nd Floor*
Hosted by Andeavor

MONDAY

- 7:00am - 5:00pm **Registration** | *Grand Ballroom Lobby*
- 7:30am - 9:00am **OPENING CEREMONIES AND KEYNOTE BREAKFAST** | *Grand Ballroom AB*
Hosted by BNSF Railway

PNWER President, Senator **Arnie Roblan**.
Featuring a Trade Panel Keynote with:

Moderator:



Colin Robertson,
Canadian Global
Affairs Institute



Chris Sands, Johns
Hopkins Center
of Advanced
International Studies



Dan Uczco, Cross
Border Canada- U.S.
Practice Group Chair
Dickinson Wright



Ambassador **David
Wilkins**, Partner,
Nelson Mullins Riley &
Scarborough LLP

9:15am- 11:30am

Coffee Break hosted by
Alaska Airlines

Monday Morning Working Group Sessions

Trade: Session I | *Cedar Ballroom*

Disaster Resilience: Election Infrastructure | *Mtg. Room 10*

Carbon Policy and Energy Reliability | *Mtg. Room 1*

Health Innovations | *Maple Ballroom*

Mining | *Mtg. Room 2*

Transportation and Infrastructure Finance: Session I | *Birch Ballroom*

9:15am- 11:30am

TRADE | Cedar Ballroom

Hosted by Nelson Mullins Riley & Scarborough and Trade for America



NAFTA Modernization

Update on Negotiations and Current Situations Related to U.S.-Canada Trade

Chris Sands, Senior Research Professor and Director of the Johns Hopkins University Center for Canadian Studies

Colin Robertson, Vice President and Fellow, Canadian Global Affairs Institute

Dan Ujzco, Of Counsel and Cross Border (Canada - U.S.) Practice Group Chair, Dickinson Wright



Regulatory Cooperation

What is the potential impact of expanding regulatory alignment? What opportunities exist for expanding cooperation at both the federal and state/provincial/territory levels?

Bob Carberry, Founder, Carberry Insights and Associates Inc., Chief Strategist for the Canada-US regulatory cooperation effort between 2011 and 2016.

Co-Chairs

Rep. Mike Cuffe, Montana
Laurie Trautman, Director,
Border Policy Research
Institute

Private Sector Perspective on NAFTA, Trade and Regulatory Alignment

Bill Lane, Executive Director, Trade for America

Action Items and Discussion

9:15am- 11:30am

DISASTER RESILIENCE: ELECTION INFRASTRUCTURE & CYBERSECURITY | Meeting Room 10



Elections were designated as part of our nation's critical infrastructure in late 2016 by the Department of Homeland Security. The topic is both timely and relevant to our elected officials who will be in attendance at the PNWER Summit. The session will examine federal guidance for state and local election officials; current threats to election infrastructure; policies to protect election infrastructure; and methods to reassure the public.



Patrick Massey, Regional Director, Office of Infrastructure, U.S. Department of Homeland Security

Chad Houck, Deputy Secretary of State, Office of the Secretary of State, State of Idaho

Julie Wise, Director, King County Department of Elections, Washington State

Co-Chairs

Eric Holdeman, Director, Center for
Regional Disaster Resilience
Brig. Gen. Brad Richy, Director,
Idaho Office of Emergency
Management

Dave Matthews, Cyber Expert, Consultant

9:15am- 11:30am

CARBON POLICY AND ENERGY RELIABILITY | Mtg. Room 1



Co-Chairs

Rep. **Deb Boone**, Oregon
Paul Manson,
CEO,
DC Grid Development
Corporation

Energy Reliability in the Pacific Northwest

Current and proposed clean energy requirements and targets in Northwest cities, states, and provinces that may impact grid reliability for consumers and industry. How can these goals be achieved without any loss of reliability of the region-wide system? How do we achieve climate targets while ensuring reliability for the public in the energy systems which cross multiple boundaries?

Moderated by **Phil Jones**, former commissioner of the Washington Utilities and Transportation Commission, Phil Jones Consulting,

George Caan, Executive Director, Washington Public Utility Districts Association
Amy Wheelless, Policy Associate, NW Energy Coalition , NW Energy Coalition
John Ollis, Power System Analyst, Northwest Power and Conservation Council
Carl Imhoff, Manager Electricity, Market Sector, Pacific NorthWest National Laboratory
Arne Olson, Senior Partner, E3

Status of Carbon Policy in PNWER Jurisdictions

What is being proposed in your jurisdiction? How is your jurisdiction maintaining competitiveness? What methodology is your jurisdiction using to measure carbon?

Sen. Michael Dembrow, Oregon
Rep Jeff Reardon, Oregon
Robyn Luff, Member of the Legislative Assembly, Alberta
Honourable Lana Popham, Minister of Agriculture, Government of British Columbia
Washington State Legislator

9:15am- 11:30am

Action Items and Discussion

HEALTH INNOVATIONS | Maple Ballroom

Welcome, Introductions, Opening Remarks and Overview of WWAMI

In the early 1970s, the University of Washington took on a bold challenge to train and prepare physicians to care for patients and communities throughout the WAMI states, Washington, Alaska, Montana and Idaho (Wyoming joined in 1996). Today, this regional medical education program known as WWAMI is heralded as one of the most innovative medical education and training programs in the country.

Dr. Darryl Potyk, MD, Chief of Medical Education for the UW School of Medicine-Gonzaga University Regional Health Partnership

HEALTH INNOVATIONS CONTINUED | *Maple Ballroom*

Biomedical research is an important economic driver for the Pacific Northwest. As the region continues to lead in innovation through incumbent and emerging technologies learn how partnership can foster growth in research. This panel will showcase best practices, partnerships and stress the importance of state and provincial leadership for encouraging biomedical research.

Dr. Alan Winter, *PhD, Innovation Commissioner, Ministry of Jobs, Trade and Technology*

Marc Cummings, *Vice President of Public Policy & External Affairs, Washington Life Sciences*

Dr. Mary L. (Nora) Disis, MD, *Director, Tumor Vaccine Medical Oncology, UW Department of Medicine, Division of Oncology*

Telemedicine's role and benefit for the region

Increased access to broadband telecommunications is enabling access to telemedicine tools for the region. Learn how innovations in telemedicine are improving the quality of life here in the Northwest. Hear from experts from the University of Washington and Microsoft about telemedicine and broadband access.

Dr. John Scott, *Director of Telemedicine, University of Washington Medicine*

Melissa Sassi, *Senior Project Manager, Airband initiative, Microsoft*

Jennifer Stoll, *Vice President, Government Relations and Public Affairs, OCHIN*

Opioid impacts and role of legislators

How much is the opioid crisis costing governments? Hear from Washington Legislators on the impacts of the opioid epidemic. Learn how the University of Washington is working to stem the impacts from opioid abuse.

Rep. Nicole Macri, *Washington State Legislature*

Dr. David J. Tauben MD, *Center for Pain Relief at UWMC-Roosevelt*

9:15am- 11:30am

MINING | Mtg. Room 2
Hosted by Midas Gold Idaho



Welcome, Introductions and Opening Remarks

Showcasing redevelopment of legacy mines

The Stibnite Gold Project site is an example of redevelopment on a legacy mine site that is in need of mitigation. Midas Gold has a plan for restoration and sustainable operations with the goal of cleaning up past exploration and mine production that takes care of the environment.

Stephen Quin, *President, CEO & Director, Midas Gold Corporation*
Laurel Sayer, *President and CEO, Midas Gold Idaho, Inc.*



Demand for new technologies driving new mines in North America

Cobalt is critical in the production of rechargeable batteries. Demand for these technologies is driving the need for more production. As the only environmentally permitted, primary cobalt project in the United States, the ICP has the opportunity to become a reliable and transparent source of cobalt supply in the face of rapidly growing demand for the metal.

Rick Honsinger, *Senior Vice President, eCobalt Solutions, Inc.*

Co-Chairs
Rep. Dave Talerico, Alaska
David Ramsay, Director,
 Fortune Minerals

Current update on Mining and Outlook for 2019

Panel showcase of mining in the region

Lindsay Kislock, *Vice President, Corporate Affairs; Mining Association of BC*
Terry Van Horn, *Executive Director, Trail & Area Regional Economic Development Office, Lower Columbia Initiatives Corp (LCIC)*

Mining Roundtable

A Round Robin panel of stakeholders and legislators from across PNWER will showcase mining, legislative, regulatory, and finance issues from various PNWER jurisdictions. They will also explore how they are proposing to move forward and address these emerging challenges.

9:15am- 11:30am

TRANSPORTATION AND INFRASTRUCTURE FINANCE: SESSION I
Birch Ballroom

Bridging Cascadia: Cascadia Innovation Corridor and Ultra-High Speed Rail Study
BC Government update

Rick Glumac, *Parliamentary Secretary for Technology, MLA, Legislative Assembly of British Columbia*

Washington State update

Charles Knutson, *Advisor, Office of Gov. Jay Inslee, Washington*



Co-Chairs
Sen. Chuck Winder, Idaho
Bruce Agnew, Director,
 Cascadia Center

Part A: Reforming the Permit Process

Rebuilding Northwest infrastructure requires a new permitting system. Permit delays dramatically add to infrastructure project costs, prolong bottlenecks for inland commodity access to international markets and delay project enhancements to reduce carbon. According to Common Ground, “America’s antiquated power grid, for example, wastes the equivalent of 200 coal-burning power plants.” Canada and the US could modernize their infrastructure while enhancing environmental benefits with a two-year approval process by consolidating decisions within a simplified framework. This framework would set deadlines and clear lines of accountability between federal, state/provincial, local, Tribal/First Nations and private sector partners.

Are the stars aligned in Washington DC for federal permit reform?

Moderated by **Leslie Blakey**, *President*, Coalition for America’s Gateways and Trade Corridors

Alex Herrgott, Associate Director for Infrastructure, Council on Environmental Quality, Executive Office of the President, The White House (dependent on Congressional schedule)

Permit Reform at Local and State Level

Zak Andersen, *Vice President Corporate Relations*, BNSF Railway

Part B: International Market Access

For several years at PNWER sessions in Anchorage, Banff and Portland the Government of Alberta and Canpotex sponsored a series of interactive industry government workshops on enhancing international market access for PNWER jurisdictions. The PNWER Transportation Group adopted the policy recommendations and continues to support market access as a critical reason for infrastructure and technology-based supply chain investments.

Overview of recent grain transportation challenges facing Saskatchewan

Glen Hart, *MLA*, Saskatchewan Legislative Assembly

Recapturing our Mojo in Western Canada for Gateways and Trade

Kleo Landucci, *Managing Director*, Ashcroft Terminal

Idaho’s Gateway to World Markets by River, Road, Rail and Air

David Doeringsfeld, *General Manager*, Port of Lewiston

Infrastructure and Market Access

James Thompson, *Deputy Director*, Washington Public Ports Association

11:30am- 12:30pm

Networking Break | Meeting Room 3

Hosted by Devon Canada

Enjoy light refreshments and the opportunity to continue conversations from the working group sessions.

12:15pm- 2:15pm

KEYNOTE LUNCHEON | *Grand Ballroom AB*

Hosted by the University of Washington

Plenary luncheon featuring the “Future of the Border” including:



Alan Bersin, Dept of Homeland Security, Former Assistant Secretary



John Ossowski, President, Canadian Customs and Border Services Agency

2:30pm- 4:45pm

Coffee Break hosted by Simplot and SaskCanola

Monday Afternoon Working Group Sessions

Agriculture | Meeting Room 1

Border Issues | Cedar Ballroom

Disaster Resilience: Drone Applications | Mtg. Room 10

Energy | Maple Ballroom

University and College Presidents’ Roundtable | Mtg Room 2

Transportation and Infrastructure Finance: Session II | Birch Ballroom

2:30pm- 4:45pm

AGRICULTURE | *Meeting Room 1*



Listening Session with Under Secretary Bill Northey, Farm Production and Conservation, United States Department of Agriculture

Up to ten stakeholders (public & private) will each get up to 3 min to make a statement or recommendation.

Followed by remarks by Under Secretary Northey



Round-table Discussion with state Directors and provincial Ministers of Agriculture and private sector leaders from across the region

Topics of discussion will include:

- Trade and NAFTA impacts on the agriculture sector and recommendations for modernization
- The impact of tariffs
- Regulatory Cooperation Issues
- Finding opportunities to collaborate on crop research

Featuring:

Hon. Lyle Stewart, *Minister of Agriculture, Saskatchewan*

Hon. Lana Popham, *Minister of Agriculture, British Columbia*

Celia Gould, *Director, Idaho Department of Agriculture*

Ben Thomas, *Director, Montana Department of Agriculture*

Derek Sandison, *Director, Washington Department of Agriculture*

Co-Chairs
MLA Larry Doke,
 Saskatchewan
Patrick Kole, Vice President,
 Idaho Potato Commission

Action Items and Discussion

2:30pm- 4:45pm

BORDER ISSUES | Cedar Ballroom



Co-Chairs
Rep. Mike Cuffe, Montana
Laurie Trautman, Director,
Border Policy Research
Institute

Introduction: Rep. Mike Cuffe and Dr. Laurie Trautman to brief on PNWER accomplishments over the past year

Dialogue with stakeholders on the future of the border:

John Ossowski, President, Canada Border Services Agency (CBSA)
Alan Bersin, Former Assistant Secretary, US Dept. of Homeland Security

Assessing the Current Landscape

Cargo preclearance: UPS Perspective

Amgad Shehata, *Senior Vice President*, United Parcel Service (UPS)

What is falling through the cracks? What are potential opportunities to advance new ideas?

Jennifer Fox, NASCO

Utilizing new technologies at the border

Rose Marie Davis, *Director in Planning*, Program Analysis and Evaluation, Office of Field Operations, U.S. Customs and Border Protection

How to advance Beyond Preclearance: Overview of the Beyond the Preclearance Initiative

Presentation on the 'Beyond Preclearance Initiative'

Solomon Wong, *President and CEO*, Intervistas & **Gerry Bruno**, *VP of Federal Government Affairs*, YVR

Looking to the Future: Open Dialogue

Topic: How can we encourage continued progress in both Ottawa and DC on designing and implementing new solutions to increase throughput and security at our shared border? What is the focus of the next decade and how do we get back on track? What do we want to see happen? Where are we going in the next 10 years and how can PNWER push the vision for a cross-border region and economy?

Action Items

2:30pm- 4:45pm

DISASTER RESILIENCE: UAS/DRONE APPLICATIONS | Mtg. Room 10



Co-Chairs
Eric Holdeman, Director, CRDR
Brig. Gen. Brad Richy, Director,
Idaho Office of Emergency
Management

The Pacific Northwest Economic Region (PNWER) and its Center for Regional Disaster Resilience (CRDR) in partnership with Northeastern University's Global Resilience Institute (GRI) have been awarded a 2017 National Infrastructure Protection Plan (NIPP) Security and Resilience Challenge grant for critical infrastructure. The project seeks to develop technologies for UAS (drone) employment to technically inspect critical infrastructure in post disaster scenarios.

UAS usage is expanding quickly in both the public and private sectors. This session will look at the variety of drone usage and how the technology can be used legally and effectively.

Panel Topics

- Current and emerging federal and state policy
- Drones and UAS Impacts on Response and Recovery
- UAS inspections of critical infrastructure

Overview of UAS capabilities

Tom Hagen, President, AUVSI Cascade Chapter

FAA regulation

Charlton Evans, Principal Consultant, End State Solutions

UAS in inspections of critical infrastructure

Taskin Padir, Associate Professor, Electrical and Computer Engineering, Northeastern University

UAS applications in Washington State

Robert Hodgman, Senior Aviation Planner, WA State Dept. of Transportation Aviation Division

UAS for Emergency Management

James Yates, Emergency Manager Coordinator, Thurston County Emergency Management

UAS in wildfire response

Jaethan Reichel, CEO, Lightship

UAS and infrastructure resiliency

Evan Reis, Director, PE, SE, Executive Director, Co-Founder, U.S. Resiliency Council

2:30pm- 4:45pm

ENERGY | *Maple Ballroom*
Hosted by BP



Shared Energy Economy - New approaches to delivering energy services

Curt Kirkeby, Technology Strategist, Avista

Michael Frank, Vice President, McKinstry

Catalyst: Creating a Shared Energy Economy

Energy Innovation and Research

Ronald B. Melton, Ph.D., *Team Lead, Electricity Infrastructure Integration*, Pacific Northwest National Laboratory

Electric power system technologies: software and battery storage

Anurag K Srivastava, *Associate Professor, Smart Grid Demonstration and Research Investigation Lab (SGDRIL)*, Washington State University

Nate Sandvig, Director, US Strategic Growth, National Grid Ventures

The Role of Utility-Scale Pumped Storage Hydropower in a Clean Energy Economy for the Pacific Northwest



Co-Chair:

Rep. Jeff Morris, Washington
John Gibson, Chief R&D
Engineer

Turning Waste into Energy: renewable natural gas:

Dan Kirschner, Executive Director, Northwest Gas Association

David Bennett, Director Communications and External Relations, FortisBC

Jim Jenson, Senior Bioenergy and Alternative Fuels Specialist, Washington State University

Action Items and Discussion

2:30pm- 4:45pm

UNIVERSITY AND COLLEGE PRESIDENTS' ROUNDTABLE |

Mtg Room 2, Hosted by Community Colleges of Spokane

Welcome, Introductions and Opening Remarks

This cross-border regional forum for university presidents is the only one of its kind in North America. The Roundtable is a forum for university presidents to showcase best practices at universities and colleges across the region.

Co-Facilitators:

Christine Johnson; Chancellor, Community Colleges of Spokane

Mary Cullinan; President, Eastern Washington University

Ana Mari Cauce; President, University of Washington

Kirk Schulz; President, Washington State University

**UNIVERSITY AND COLLEGE PRESIDENTS’ ROUNDTABLE
CONTINUED | Mtg Room 2**

- Allan Cahoon; *President and Vice Chancellor*, Royal Roads University
- Ana Mari Cauce; *President*, University of Washington
- Mary Cullinan; *President*, Eastern Washington University
- Paul Dangerfield; *President*, Capilano University
- Daryll DeWald; *Chancellor*, WSU Health Sciences Spokane
- David Docherty; *President*, Mount Royal University
- Angus Graeme; *President and CEO*, Selkirk College
- James Johnsen; *President*, University of Alaska
- Christine Johnson; *Chancellor*, Community Colleges of Spokane
- Thayne McCulloh; *President*, Gonzaga University
- Kathleen Murray; *President*, Whitman College
- Marc Pagano; *Chancellor*, University of Washington-Tacoma
- Deborah Saucier; *President*, MacEwan University
- Kirk Schulz; *President*, Washington State University
- Chuck Staben; *President*, University of Idaho
- Beck Taylor; *President*, Whitworth University

Roundtable Discussion

Attendees and panelists will explore how the region could move forward to address challenges and opportunities in talent development, as well as share strategic partnerships and innovations for emerging challenges in higher education.

2:30pm- 4:45pm

**TRANSPORTATION AND INFRASTRUCTURE FINANCE: SESSION II
*Birch Ballroom***

Truck Size and Weight Harmonization and Importance to Trade and Market Access

Jeff Marker, *Freight Program Manager*, Idaho Transportation Department

Part C: Leveraging new US and Canadian Infrastructure Funds with private sector partnerships

With the passage of the 2015 FAST Act and the Omnibus Budget bill, there will be close to \$3 Billion in discretionary grant funding available in the US for infrastructure projects while Northwest states have been awarded major “Tiger” grants. The Government of Canada through the Investing in Canada plan will double existing funding (\$180B over 12 years) to “create long term economic growth, support low carbon green economies and build inclusive communities”. Meanwhile, public private partnerships – more prevalent in Canada than the US - can bring private sector innovation, expertise, and capital while protecting public interest.

Moderated by **Leslie Blakey**, *President*, Coalition for America’s Gateways and Trade Corridors

Marie-Claude Petit, *Director General*, Transportation Infrastructure Programs, Transport Canada

Graham Sucha, *MLA*, Alberta Legislative Assembly

Transportation and Infrastructure issues in Alberta

Mark Romoff, *Director*, Canadian Council on Public Private Partnerships

Traci Couture, *District Director*, Congresswoman Cathy McMorris Rodgers (WA-05)

James Ray, *Senior Advisor on Infrastructure*, Department of Transportation (dependent on Congressional Schedule)



Co-Chairs

Sen. Chuck Winder, *Idaho*
Bruce Agnew, *Director*,
Cascadia Center

5:00pm- 6:00pm

NETWORKING BREAK | *Meeting Room 3*
Hosted by Teck

6:00pm- 8:00pm

OFFSITE RECEPTION AT WSU SPOKANE HEALTH SCIENCE BUILDING
Share the Power of Innovation, Discovery, and Community Impact with WSU!

Buses will pick up at Washington & Spokane Falls Blvd.
 Walking directions available at the end of this program.

WSU Spokane is honored to welcome Summit attendees on Monday, July 23 from 6pm to 8pm for an evening reception to be held on its beautiful campus just 3 blocks from the Davenport Grand Hotel. Guests will enjoy an array of seasonally fresh, locally sourced, and sustainably produced appetizers and beverages that will feature the tastes and textures of Washington State’s bounty. To share the power of innovation, discovery, and community impact with WSU research, guests will have the opportunity to visit a research lab conducting amazing research and development activities in support of the local economy. Attendees will learn more about other applied research being conducted in partnership with, and in service to many sectors and residents in the greater Spokane area.

Hosted by Washington State University Spokane

9:00pm- 11:00pm

Hospitality Suite | *Terrace East, 2nd Floor* | Hosted by the Canadian Engineering and Geoscientists Professions Regulators

TUESDAY

7:00am- 5:00pm

Registration | *Grand Ballroom Lobby*

7:30am- 9:00am

KEYNOTE BREAKFAST | *Grand Ballroom AB*
Hosted by the Pacific Northwest Building Resilience Coalition



Evan Reis, *Executive Director, Co-Founder, U.S. Resiliency Council*

Featuring **Evan Reis**, *Director, PE, SE, Executive Director, Co-Founder, U.S. Resiliency Council*

The will to act, even when it is unpopular, is a sign of leadership, but great leadership is acting even when the benefits may not accrue for years or decades. When it comes to preparing for natural disasters, building and business owners, the financial sector, and our community, state and national leaders are not leading if they kick the can down the road to avoid short term pain, leaving the problem to future generations. Resilience, the ability to recover quickly from adverse events, needs to be everyone’s responsibility; each generation of leaders needs to contribute in a meaningful way to this mission. Evan Reis, Executive Director of the US Resiliency Council, will talk about how the USRC is helping leaders take positive steps toward making our communities more resilient.

Remarks by **Mayor David Condon**, City of Spokane

Introduction of new regional consuls general: **Brandon Lee**, Consul General, Consulate of Canada Seattle; **Lucia Piazza**, Consul General, U.S. Consulate of Calgary; and **Kathrine Dhanani**, Consul General, U.S. Consulate of Vancouver

9:15am- 11:30am

Coffee Break hosted by
Cruise Lines
International
Association – North West
& Canada

Tuesday Morning Working Group Sessions

Cross-Border Livestock Health: Session I | Mtg. Room 1
Tourism | Mtg. Room 11
Infrastructure Resilience | Birch Ballroom
Forestry | Mtg. Room 2
Innovation | Cedar Ballroom

9:15am- 11:30am

CROSS-BORDER LIVESTOCK HEALTH: SESSION I | Mtg. Room 1
Hosted by the Alberta Beef Producers



Co-Chairs

Jill Harvie, Programs
Manager, Canadian
Cattlemen’s Association
Dr. Amber Itle, Asst. State
Veterinarian, WA Dept. of
Agriculture

Opening Remarks

Livestock border crossings, port procedures, and industry issues - regulator perspectives:

- Cross border tour (what seller, buyer, trucker & livestock encounter)
- Entering US (virtual tour)
- Entering Canada
- Facilities/staff & livestock handling
- Challenges, issues, & proposed solutions

Discussion

Dr. John Clifford, USDA
Dr. Mohit Baxi, Director, Animal Import/Export , CFIA

Electronic Certification & Traceability

- US Veterinary Export Health Certification System (VEHCS)
- Electronic certification program (Canada)
- Livestock traceability (animal & premises ID + movement tracking)
- Traceability integration with electronic certification

Discussion

Dr. John Clifford, *Trade Advisor*, National Import Export Services, USDA APHIS
Dr. Mohit Baxi, CFIA
Anne Brunet Burgess, Canadian Cattle Identification Agency (invited)

9:15am- 11:30am

TOURISM | Mtg. Room 11
Greetings and Opening Remarks by Working Group Co-Chairs

Update on Regional Tourism Dashboard

Overview of this year’s tourism facts and figures from the region

Paul Nursey, President & CEO, Tourism Victoria
Matthew Holme, Manager, Corporate Communications and Destination
Management, Tourism Victoria

**Marketing Discussion: Washington Tourism Alliance & Washington Tourism
Legislation**

*Washington State recently passed legislation to create a statewide tourism marketing
program. Hear the latest updates on these efforts.*

Becky Bogard, Managing Member, Bogard & Johnson LLC

9:15am- 11:30am

TOURISM CONTINUED | Mtg. Room 11



2018 Industry Listening Session: Cruise

Industry professional speaks from their perspective on industry challenges and specifically about future of preclearance and perimeter security

Greg Wirtz, *President, North West and Canada, Cruise Lines International Association*



Discussion: The Border Challenges of Marijuana

Rep. Gael Tarleton, *Washington State Legislature*

Dave Cowen, *CEO, The Butchart Gardens*

Access & Dispersion

Preclearance Implementation

Gynii Gilliam, *President, Jobs Plus Inc.*

Tourism Sustainability and Resilience

Report out on IMPACT Tourism Sustainability Conference

Paul Nursey, *President & CEO, Tourism Victoria*

Perimeter Security

Gerry Bruno, *VP Federal Affairs, Vancouver Airport Authority*

PNWER Tourism Working Group Governance

Motion to seek Tourism Working Group appointees from each State and Province

Development of Recommendations and Resolutions

Co-Chairs
Rep. Gael Tarleton,
Washington
Dave Cowen, CEO, The
Butchart Gardens

9:15am- 11:30am

INFRASTRUCTURE RESILIENCE | Birch Ballroom

Hosted by FortisBC, Insulating Concrete Forms Manufacturers Association, Energy Trust of Oregon, RDH Building Science, Construction center of Excellence, & BC Ministry of Municipal Affairs and Housing



How do we prepare our buildings and infrastructure for disasters and climate change impacts? What are the next steps to create a resilient Northwest?

PNWER Roadmap to Resilient, Ultra-low Energy Buildings in the Pacific Northwest

PNWER is advancing the development of a "Roadmap" to improve resilience and energy efficiency for new and existing buildings through "net zero" emissions construction targets and deep energy retrofits of existing buildings by 2030. Efficient buildings encourage job creation, affordability, competitiveness, and resilience. Through consultations with all levels of government and the private sector, the Roadmap will develop market-driven strategies to promoting energy efficiency in each jurisdiction by focusing on policy options; market driven solutions; best practices; innovative technologies and construction materials; industry capacity building; and workforce developments.

Discussion:

Evan Reis, *Director, PE, SE, Executive Director, Co-Founder, U.S. Resiliency Council*

Andrew Pape-Salmon, *Executive Director, Building and Safety Standards Branch, Office of Housing and Construction Standards, Ministry of Municipal Affairs and Housing*

Co-Chairs
Rep. Deb Boone, Oregon
Paul Manson,
CEO,
DC Grid Development
Corporation

9:15am- 11:30am



Co-Chairs

Mark Peck, Libby County Commissioner, Montana
Travis Joseph, President, American Forest Resource Council

FORESTRY | Mtg. Room 2

Forest Restoration, Mass Timber, and Climate Change

Establishing the PNWER region as a climate change leader through forest health, renewable wood products, and mass timber manufacturing

Bryan Petit from Senator Cantwell’s office

Building for Carbon Benefits: Best Practices, Future Opportunities, the Science

Lessons Learned and Best Practices from the B.C. Government

Lynne Embury-Williams, Wood WORKS! BC

The Future Potential of CLT And Mass Timber

Todd Beyreuther, Katerra

Carbon Benefits of Building with Wood

Bruce Lippke, University of Washington

Distinguished Guests invited to participate in the dialogue

Local/Regional obstacles and opportunities for mass timber; building with wood for the future; environmental and climate change benefits of sustainable forestry

Vicki Christiansen, *Interim Chief of the US Forest Service (invited)*

David Groeschl, *Acting Director, Idaho Department of Lands*

Jamie Connell, *OR/WA BLM State Director (invited)*

Hilary Franz, *Washington Commissioner of Public Lands (invited)*

Mitch Silver, *Director of Natural Resources & Environment, U.S. Senator Mike Crapo (invited)*

9:15am- 11:30am



INNOVATION | Cedar Ballroom

Hosted by Microsoft

Welcome, Introductions and Opening Remarks

Sen. Mia Costello, Alaska State Legislature

MLA Rick Glumac, *Parliamentary Secretary for Technology, BC*

Nirav Desai, *Senior Partner, Moonbeam*

Targeting emerging technologies to achieve more efficient delivery of government services

Blockchain technologies can present opportunities for disruptive thinking and innovation. Early indications are that blockchain can enable global business transactions while enhancing trust. Learn about blockchain and how both public and private sector organizations in the Pacific Northwest are exploring the potential of this emerging technology.

John Jordan, *Executive Director, Services Strategy, Ministry of Citizens’ Services, Government of British Columbia*

Carol Prest, *Registrar and Executive Director, Ministry of Citizens’ Services, Government of British Columbia*

Pamela Dingle, *Director of Identity Standards, Microsoft*

Drummond Reed, *Chief Trust Officer, Evernym*

Roundtable discussion – All participants

9:15am- 11:30am

INNOVATION CONTINUED | Cedar Ballroom

Dealing with privacy concerns: How does government and business ensure privacy while delivering government services

There are several benefits from Big Data analytics, but there needs to be a balance with Data Security. Bad actors and opportunists could exploit big data. Incumbent and emerging technologies like Unmanned Autonomous Systems (Drones, Self Driving Cars), Social Media, along with virtual and augmented realities collect and need large amounts of data. Learn how Big Data is being used to provide better services from governments and how they protect their constituents.

Anand Vadapalli, Chief Executive Officer & President, Alaska Communication

Mark Masongsong, CEO & Co-Founder, UrbanLogiq

Bill Tam, Co-Chair, Canada’s Digital Technology Supercluster

Michael Farber, Founder, Ratio Innovation Management

Roundtable Discussion – All participants

Technology Showcase during networking break

11:30pm- 12:30pm

Networking Break | Meeting Room 3

Enjoy light refreshments and the opportunity to continue conversations from the working group sessions. The Innovation Technology Showcase will also be taking place during this time.

12:30pm- 2:15pm

KEYNOTE LUNCHEON | Grand Ballroom AB

Hosted by Avista

Plenary Luncheon featuring:



Vicki Christiansen,
Interim Chief, U.S.
Forest Service



Fritz Wolff, Board
Member & Co-
Founder, Katerra

2:30pm- 4:45pm

Coffee Break hosted by
Food Northwest

Tuesday Afternoon Working Group Sessions

Cross-Border Livestock Health: Session II | Mtg. Room 1
Energy Innovation | Cedar Ballroom
Workforce Development | Maple Ballroom
Transportation: ACES | Birch Ballroom
Water Policy | Mtg. Room 2

2:30pm- 4:45pm

CROSS-BORDER LIVESTOCK HEALTH: SESSION II | Mtg. Room 1

Hosted by the Alberta Beef Producers



Co-Chairs

Jill Harvie, Programs
Manager, Canadian
Cattlemen's Association

Dr. Amber Itle, Asst. State
Veterinarian, WA Dept. of
Agriculture

Industry perspectives / regulator responses- border crossings, port procedures, & issues

- Current border challenges & solutions
- Comments of sellers, buyers, transporters
- Streamlining multi-load shipments
- Livestock priority clearance
- Holding/handling emergency facilities
- Sealed container passage (e.g. sub Great Lakes route)

Jack Field, *Executive Director*, Washington Cattle Feeders' Association

Dennis Laycraft, *Executive Director*, Canadian Cattlemen's Association

Dr. Jessica Watson, National Cattlemen's Beef Association

Joe Jackson, *Director*, Saskatchewan Cattlemen's Association

US buyer/exporter

Michael Latimer, CAN Beef Breeds Council (invited) or **Michael Hall**, CAN

Livestock Genetics (invited)

Rick Peters, Steve's Livestock Transport (invited)

Diseases of PNW Concern- Updates & Issues

- Cattle (TB, Brucellosis, other)
- Equine (EHV1, EIA, other)
- Swine (PEDv, SVV, other)
- Cervid (CWD)
- Disease vectors (wildlife)
- Transport fomites (biosecurity)
- Mitigative, collaborative future strategies

Dr. John Clifford, USDA

Dr. Jaspinder Komal, *Chief Veterinary Officer for Canada*, CFIA

Dr. Bill Barton, *State Veterinarian*, ID

Dr. Keith Lehman, *Chief Provincial Vet*, AB

Dr. Jessica Watson, NCBA

Rick Peters, Steve's Livestock Transport (invited)

Hosted by Battelle

Strengthening Innovation Ecosystems

Federal agencies and state governments make significant investments in the research and development of energy technologies to address critical National mission needs. There remains at this time however, significant unrealized commercial potential from these investments due to the “valley of death” that exists between a research prototype and a commercialized product. New coordinated regional public-private partnerships are needed to bridge the valley of death and accelerate the development and deployment of these energy innovations.

The Northwest Energy Innovation Alliance (NEIA) is a consortium that has been formed to address this challenge. The NEIA marshals the Northwest (NW) Region’s innovation capabilities, resources, markets and opportunities to accelerate the transition of energy technologies to increase U.S. prosperity, competitiveness and job creation. The NEIA consists of member organizations from five NW states (AK, ID, OR, MT, WA) representing strong regional energy research, technology, business, financial and educational assets. It aims to develop a globally competitive energy industry sector in the Northwest

... that draws upon energy-focused R&D from regional institutions
 ... and is globally recognized as one of the sought-out locations
 ... for energy companies, professionals and policy makers to locate.

In short, the NEIA aspires to make the NW region an energy technology peer to California and New York.

The NEIA drives energy innovation through coordination of its members’ capabilities and programs that span the energy technology lifecycle - from research and development to prototyping, technology validation, pilot projects, and commercial demonstrations. Alliance members’ efforts will be aligned along a common Innovation Value Chain for transforming ideas and early stage prototypes into commercial outputs. This panel will feature NEIA members discussing approaches to strengthening innovation ecosystems, with a focus on the NW energy sector.

Participants

Moderator: **Malin M. Young, Ph.D.**, *Deputy Director for Science and Technology*, Pacific Northwest National Laboratory

Mike Hagood, *Director*, Regional Initiatives, INL

Tom Ranken, *CEO and President*, CleanTech Alliance

David Kenney, *President & Executive Director*, Oregon BEST

George Roe, *Research Professor*, University of Alaska at Fairbanks, Alaska Center for Energy and Power

2:30pm- 4:45pm



Co-Chairs
Sen. Maralyn Chase,
Washington

Shawna Argue, Director of Education and Governance, Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS)

WORKFORCE DEVELOPMENT | Maple Ballroom

Welcome, Introductions and Opening Remarks

Working Group Co-Chairs **Shawna Argue** and **Sen. Maralyn Chase**

Film on the Future of Work

Automation and Advanced Manufacturing: How jobs of tomorrow will be impacted by emerging technology

Industry 4.0 is impacting the skills needed to perform jobs in the manufacturing sector. As digitization and manufacturing integrate traditional jobs will need to evolve to meet industry's demand. Future workers will have to be flexible and take a K-99 approach to education and development.

Nirav Desai, *Senior Partner, Moonbeam*

Vinay Narayan, *Vice President, Product and Operations, HTC America*

Rich Hodges, *Account Executive, Central & Eastern Washington, Impact Washington*

Exploring the Future of Work: How jurisdictions are training our workforce today

The region is leading the way in innovative workforce development initiatives. We will hear from a panel of experts on the creative work in region on the Future of Work.

Marina Parr, *Communication Director, Washington State Workforce Training & Education Coordinating Board*

Debbie Radie, *Vice President of Operations, Boardman Foods, Inc., Chair of Food Northwest*

Alisha Benson, *Chief Operation Officer, Greater Spokane Incorporated*

Mark Mattke, *CEO, Spokane Area Workforce Development Council*

Roundtable Discussion

Attendees and Panelists will explore how the region could move forward to address these emerging challenges on workforce development.

Senator Maralyn Chase, *Washington State Senator*

Shawna Argue, *Association of Professional Engineers and Geoscientists of Saskatchewan*

Panelists

Working Group Attendees

2:30pm- 4:45pm

TRANSPORTATION: AUTOMATED, CONNECTED, ELECTRIC, SHARED VEHICLES | Birch Ballroom



Truck Platooning and Automation
 Kyle Quinn, PACCAR Chief Technology Officer



Is the public ready for an ACES world?
 Moderated by **Steve Marshall**, City of Bellevue
Rep. Jake Fey, Washington State Legislature
Reema Griffith, Executive Director, Washington State Transportation Commission- Washington's new Autonomous Vehicle advisory committee
Jeff Marker, Freight Program Manager, Idaho, Transportation Department
Joel Fisher, Business Development Manager, Verizon Smart Communities

Co-Chairs
Sen. Chuck Winder, Idaho
Bruce Agnew, Director,
 Cascadia Center

The "E" in ACES – Transportation Electrification can boost our economies while enhancing our environment
 Moderated by **Isaac Kastama**, Washington Business Alliance
Matthew Hepner, Certified Electrical Workers of WA (IBEW)
Jeff Allen, Executive Director, Forth Mobility
Jeffrey Phillips, Managing Director, Dawson Strategic
Rendall Farley, Avista

2:30pm- 4:45pm

WATER POLICY | Mtg. Room 2



Water Resource Planning and Actions at the State Level
 Washington State has been making strides to address adaptation to ongoing changing climate, water scarcity and security, environmental performance, integration of activities with tribes, infrastructure planning and the challenges and opportunities.
G. Thomas Tebb, Director, Office of Columbia River, Washington State Department of Ecology



Dealing With Water Scarcity and Variability, Practical Experiences in an Irrigation District
 Roza Irrigation District is actively engaging on current and future water resource issues that impact irrigated agriculture. Learn how irrigation districts and their growers are adapting to become more resilient.
Scott Revell, District Manager, Roza Irrigation District

Co-Chairs
Sen. Jim Honeyford, Washington
Dr. David Hill, Director, Centres and Institutes and Research Advocacy, University of Lethbridge

WATER POLICY CONTINUED | Mtg. Room 2

Targeting Research Investments to Achieve Outcomes and Resiliency in Policy and Practice

Alberta Innovates is leading the way in water research, from the creative work in integrated watershed management and operations at the watershed/provincial scale, to technology development in the industrial sector and the trajectory of water use in the oil sands operations. The entire scope of activities within Alberta Innovates Water Innovation programming highlights success stories and ongoing challenges and strategies to address them.

Brett Purdy, *Executive Director of Water and Land*, Alberta Innovates

R&D and Innovation: Managing Water Quality in the Elk Valley

Teck is taking an innovative approach to managing water quality in Canada’s Elk Valley through the implementation of emerging water treatment technologies coupled with a comprehensive R&D program. Learn how Teck is working to protect aquatic health across the watershed while ensuring continued sustainable mining in the region.

Christian Baxter, *Director, Environmental Strategy*, Teck Resources Limited

Water Policy Legislative Roundtable

A Round Robin panel of legislators from across PNWER will showcase water policy, legislative, regulatory, and finance issues from various PNWER jurisdictions. They will also explore how they are proposing to move forward and address these emerging challenges.

Senator Jim Honeyford, Washington State Legislature

Robin Luff, MLA, Province of Alberta

Senator Lee Heider, Idaho State Legislature

Rep. Mike Cuffe, Montana State Legislature

Minister Ken Cheveldayoff, Government of Saskatchewan

Rep. Geran Tarr, Alaska State Legislature

TBD, Oregon State Legislature

5:00pm- 6:00pm

Networking Break

5:00pm- 7:00pm

OFFSITE RECEPTION

SPOKANE RIVERFRONT PARK RECEPTION AT LOOFF CAROUSEL

Join the City of Spokane at the newly renovated Loeff Carousel and Plaza. Enjoy Beautiful River views, fun rides, tasty bites, and networking with your new PNWER colleagues. Park is located 2 blocks away. Walking directions available at the end of this program. Featuring Mayor of Spokane, **David Condon**.

Hosted by the City of Spokane

6:00pm- 8:00pm

Open Evening

Dinner on your own- Enjoy Spokane with your new PNWER friends.

9:00pm- 11:00pm

Hospitality Suite | Presidential Suite

Hosted by Jordan Cove LNG

WEDNESDAY

7:30am- 12:00pm

POLICY TOUR | Energy Innovation Policy Tour

Check in at the Reg. desk for departure

Visit Itron and Urbanova - leading innovative energy sites. On-site registration available.

7:00am- 5:00pm

Registration | Grand Ballroom Lobby

7:30am- 9:00am

KEYNOTE BREAKFAST | Grand Ballroom AB

Featuring:



Honourable Bob McLeod,
Premier of the Northwest
Territories



Honourable Deron Bilous,
Alberta Minister of Economic
Development and Trade

9:15am- 11:30am

Coffee Break hosted by
Washington PUD
Association

Wednesday Morning Working Group Sessions

Cross-Border Livestock Health: Session III | Mtg. Room 1
Columbia River Treaty Session | Birch Ballroom
Economic Development | Maple Ballroom
Invasive Species | Mtg. Room 2

9:15am- 11:30am

CROSS-BORDER LIVESTOCK HEALTH: SESSION III | Mtg. Room 1 Hosted by the Alberta Beef Producers



Co-Chairs
Jill Harvie, Programs
Manager, Canadian
Cattlemen's Association
Dr. Amber Itle, Asst. State
Veterinarian, WA Dept. of
Agriculture

Livestock Sector Security (food, bio, cyber, other), EM Preparedness, & Risk Readiness

- What are the BIG agri-food risks?
- Integrated critical infrastructure planning
- CAN- Plant & Animal Health Strategy, Livestock Market Interruption Strategy
- Emerging Animal Disease Preparedness & Response Plan (USDA APHIS VS),
- Food Security & Public Health
- Industry & other government pro-action

Cybersecurity risk manager (agri-food)

Dr. John Clifford, USDA APHIS
Dr. Bill Barton, State Veterinarian, ID
Dr. Danelle Bickett-Weddle*, Associate Director, Center Food Safety/Public Health
Dr. Jaspinder Komal, CFIA
John Ross*, Co-chair, LMIS & Executive Director, CAN Pork Council
Matt Taylor, CAN Animal Health Coalition

NAFTA process summary & key updates

Potential livestock trade implications & sector impacts- beef, dairy, swine, other
Kent Bacus, Director of International Trade & Market Access, NCBA
Dennis Laycraft, CCA
Gary Stordy, Director, Government & Corporate Affairs, Canadian Pork Council
Bob Carberry, Founder, Carberry Insights and Associates Inc., Former Chief Strategist, Canada-US, regulatory cooperation

Action Items and Next Steps

**Welcome, Introductions and Opening Remarks****Canada and U.S. Negotiations**

Lead negotiators to give a brief overview about the negotiation process.

Sylvain Fabi, *Executive Director, U.S. Transboundary Affairs, Global Affairs Canada*

Jill Smail, *Columbia River Treaty Negotiator, Office of Canadian Affairs, U.S. Department of State*

**Roundtable Listening Session**

Opportunity for stakeholders to share the benefits and impacts of the Treaty, focusing on areas including ecosystems tribal groups, utilities, tourism, agriculture, recreation, and more.

Paul Amos, *Captain, Columbia River Pilots*

Jerry Bennett, *Commissioner, Lincoln County*

Mike Cole, *Commissioner, Lincoln County*

Barb Cosens, *College of Law and the Waters of the West Professor, University of Idaho*

Tim Culbertson, *General Manager, Columbia Basin Hydro*

Kathy Eichenberger, *Executive Director, Columbia River Treaty, Ministry of Energy and Mines*

Kindy Gosal, *Director of Special Initiatives, Columbia Basin Trust*

JoDe L. Goudy, *Chairman, Yakama Nation Tribal Council*

Marci Green, *President, WA Association of Wheat Growers*

Michelle Hennings, *Executive Director, WA Association of Wheat Growers*

Jay Johnson, *ONA Chief Negotiator and Senior Policy Advisor, Okanagan Nation Alliance*

Tom Kammerzell, *Commissioner, Port of Whitman*

Deb Kozak, *Mayor, City of Nelson*

Wes McCart, *Commissioner, Stevens County*

Kristin Meira, *Executive Director, PNW Waterway Association*

Andrew Munro, *Senior Manager, Grant County PUD*

Tom Myrum, *Executive Director, Washington State Water Resources Association (WSWRA)*

John Osborn, *MD Coordinator, Ethics & Treaty Project and Columbia River Roundtable*

Mark Peck, *Commissioner, Lincoln County*

Greg Utzig, *P.Ag., Kutenai Nature Investigations Ltd.*

Wes McCart, *District 1 Commissioner, Stevens County*

Legislative Panel

Featuring representatives of jurisdictions surrounding the Columbia River to talk about effects of the CRT on livelihood.

Rep. Mary Dye, Washington State

Rep. Bruce Chandler, Washington State

Sen. Jim Honeyford, Washington State

Sen. Maralyn Chase, Washington State

Sen. Lee Heider, Idaho State

Speaker Scott Bedke, Idaho State

Oregon State (invited)

Rep. Mike Cuffe, Montana State

Minister Katrine Conroy, British Columbia

Sen. Keith Regier, Montana State Legislature

Wayne Stetski, Member of Parliament

Richard Cannings, Member of Parliament

Co-Chairs

Sen. Jim Honeyford,
Washington

Dr. David Hill, Director,
Centres and Institutes
and Research Advocacy,
University of Lethbridge

9:15am- 11:30am

ECONOMIC DEVELOPMENT | Maple Ballroom



Strengthening Washington by Creating Opportunity in our Rural Communities

How can we leverage sustainable development opportunities and partner with communities who know their needs best in order to spark economic development in local communities?

Commissioner **Hilary Franz**, *Commissioner of Public Lands*, Washington Department of Natural Resources



Best Practices: Economic Growth and Urban Innovation in Spokane's University District

Spokane's University District is a live/work/play confluence of innovation, discovery, entrepreneurship, scholarship and neighborhood revitalization. The University District was created to be where business and education grow together and now with six colleges and universities, two medical schools and \$740M in public and private investments it has become that place. The District offers opportunities to promote economic development, smart urban growth, environmental restoration, historic preservation, arts and culture, recreation, and state of the art transportation all in a fun and increasingly vibrant area.

Lars Gilberts, *CEO*, The University District

Financing Economic Growth and Opportunities by Providing Access to Capital

Dave Glaser, *President*, MoFi

Economics of CBD Hemp Production on an Industrial Basis

Owen Kenney, *Founder*, Vitality Natural Health

Best Practices in Rural Economic Development Panel

Sharing best practices on rural economic development from around the region

9:15am- 11:30am

INVASIVE SPECIES | Mtg. Room 2

Opening Remarks and Introductions

Moderator: **Kate Wilson**, PNWER Invasive Species Working Group Co-Chair & Commission Administrator, Montana Dept. of Natural Resources & Conservation

Rep. Mike Cuffe, Montana State Legislature

U.S. Department of Interior 'Safeguarding the West' Initiative & Updates

Overview and updates on the 'Safeguarding the West' Initiative: actions to strengthen federal, state and Tribal Coordination to address invasive mussels

Scott Cameron, *Principal Deputy Assistant Secretary, Office of Policy, Management, and Budget*, U.S. Department of Interior

Fisheries and Oceans Canada

Susan Roe, *National Manager for Aquatic Invasive Species*, Fisheries and Oceans Canada (*invited*)

Legislative Panel on Quagga/Zebra Mussel Priorities

Legislators and guests to present and discuss key issues and priorities regarding invasive mussel prevention and management, such as recent program highlights, emergency preparedness, and gaps/challenges

Rep. Geran Tarr, Alaska State Legislature

MLA Robyn Luff, Legislative Assembly of Alberta

Rep. Terry Gestrin, Idaho State Legislature

Rep. Matt Regier, Montana State Legislature

Rep. David Brock Smith, Oregon State Legislature

MLA Warren Michelson, Legislative Assembly of Saskatchewan

Sen. Dean Takko, Washington State Legislature



Co-Chairs

Rep. Terry Gestrin, Idaho
Kate Wilson, Commission Administrator, Montana Dept. of Natural Resources & Conservation

9:15am- 11:30am

INVASIVE SPECIES CONTINUED | Mtg. Room 2

Sudden Oak Death

Updates on the Sudden Oak Death issue in affected states, discussion of priorities and potential for regional approach

Rep. David Brock Smith, Oregon State Legislature
Sarah Navarro, Forest Pathologist, Oregon Department of Forestry

Stopping Northern Pike: A Regional Approach to Protecting Resources and Fisheries Economies

Overview of issue, regional snapshot summarizing risks and potential impacts, summary of the Northern Pike forum (held July 24, 2018), and action items

Dr. Brian Heise, Chair, Invasive Species Council of British Columbia
Justin Bush, Executive Coordinator, Washington Invasive Species Council

10:30am- 12:00pm

Executive Committee Meeting | Cedar Ballroom

11:30am- 12:00pm

Networking Break | Meeting Room 3
Hosted by MDU Resources

12:00pm- 1:45pm

KEYNOTE LUNCHEON | Grand Ballroom AB

Hosted by Enbridge and Puget Sound Energy

Growing Global Competitiveness through Expanding Markets and Infrastructure

Featuring:



Stephen Metruck,
Executive Director of the Port of Seattle



Honourable Lyle Stewart,
Saskatchewan Minister of Agriculture



Bruce Agnew, *Director of Cascadia Center, Transportation Working Group Co-Chair*

Invitation to PNWER Winter Meeting in Whitehorse, November 13-15, 2018

Paolo Gallina, *MLA, Yukon*

2:00pm- 10:00pm

STUDY TOUR | Grand Coulee Dam Tour

Columbia River Treaty Symposium

Check in at the registration desk before attending the tour. Bus picks up at the corner of Washington and Spokane Fall Blvd. Bus leaves promptly at 2:00pm.

This tour will feature the Grand Coulee Dam, one of the most significant water systems in Eastern Washington. There will also be a reception to further discuss and understand the Dam.

Rep. Mary Dye, Washington State Legislature, Grand Coulee Dam Tour Co-Chair
Alex McGregor, Executive Director, The McGregor Company, Grand Coulee Dam Tour Co-Chair
Mark Booker, ECBID Retired Director
Gary Chandler, Association of Washington Business
Tom Tebb, Director of Office of Columbia River, Washington State Dept. of Ecology
Clark Kagele, Clark Kagele Farms Inc.
More speakers, TBD

2:30pm- 5:30pm

POLICY TOUR | Fairchild Air Force Base

Check in at the Reg. desk for departure

Attendees will be given a tour of the base’s facilities, and learn more about the important role the base plays in the local economy.

2:30pm- 5:30pm

POLICY TOUR | Kaiser Aluminum Policy Tour

Check in at the Reg. desk for departure

Participants will receive an overview of Kaiser Aluminum’s operations, followed by a tour of their impressive production facilities that play an important role in supporting Washington State’s growing aerospace economy.

2:00pm- 4:15pm

INVASIVE SPECIES SESSION II | Mtg. Room 2



Opening Remarks & Introductions: border updates, Regional Invasive Species Councils, Emerging Threats

Moderator: **Justin Bush**, *Executive Coordinator*, Washington Invasive Species Council



Western Jurisdictions Invasive Species Initiatives

Introduction and updates from the US Western Governors’ Association Invasive Species Initiative and the Canadian Western Provinces Aquatic Invasive Species Working Group

Bill Whitacre, *Policy Advisor*, Western Governors’ Association

Manjit Kerr-Upal, *Director, Conservation Science*, BC Ministry of Environment and Climate Change Strategy

Regional Invasive Species Panel

Roundtable overview and priorities of councils in the region followed by a panel discussion on successes, challenges, and opportunities for enhancing coordination

Tammy Davis, Alaska Invasive Species Working Group

Gail Wallin, Invasive Species Council of BC

Martina Beck, BC Inter-Ministry Working Group

Lloyd Knight, Idaho Invasive Species Council

Stephanie Hester, Montana Invasive Species Council

Jalene Littlejohn, Oregon Invasive Species Council

Ray Willard, Washington Invasive Species Council

Emerging Threats/Pathways: Group Discussion

Group discussion on emerging threats and pathways, means of addressing emerging threats/pathways from regional perspective

Closing comments & adjournment: Action items

Co-Chairs
Rep. Terry Gestrin, Idaho
Kate Wilson, Montana
 Department of Natural Resources & Conservation

Coffee Break hosted by G7 Generations

2:00pm- 3:30pm

Executive Committee Meeting | Cedar Ballroom

6:00pm- 8:00pm

Closing Reception | Terrace East, 2nd Floor

9:00pm- 11:00pm

Hospitality Suite | Presidential Suite
Hosted by ExxonMobil

THURSDAY

6:30am- 10:00am

Optional Continental Breakfast | *Birch Ballroom*

7:00 am

STUDY TOUR | B.C. 2 Day Tour

Columbia River Treaty Symposium

*** Please check in with PNWER Registration Desk to reconfirm your spot on the tour and by Wednesday. On Thursday, check in for the tour at the Birch Ballroom at 6:30 and join us for Breakfast.*

Formal negotiations between the U.S. and Canada on the Columbia River Treaty began early this year. The agreement, which began in 1964, governs hydropower and flood-control operations along the Columbia River.

This two-day tour will take participants to a number of significant sites in B.C. along the Columbia River, such as Castlegar, the Hugh Keenleyside Dam, and Nakusp. Participants are invited to a BBQ at Minister Katrine Conroy's farm on Thursday evening.

NOTE: This study tour ends Friday, July 27th. We are aiming to return to the hotel by 5:30pm.



Photo of the Columbia River.

Policy Tours are a great way to see and experience more of Washington why you are in Spokane for the Summit. Check registration desk for availability unless otherwise noted below.



Fairchild Air Force Base Tour
Wednesday, July 25 | 2:30pm- 5:30pm
***Unavailable for on-site registration**

Over 5,200 active duty Air Force, Air National Guard, and tenant organization military and civilian employees work on Fairchild, making the base the largest employer in Eastern Washington. Fairchild’s annual economic impact on the Spokane Community is approximately \$427 million, constituting 13 percent of the local economy. Attendees will be given a tour of the base’s facilities, and learn more about the important role the base plays in the local economy.

Columbia River Treaty

- **Grand Coulee Dam Tour**

Wednesday, July 25 | 2:00pm- 9:30 pm
***Unavailable for on-site registration**

**Please come to the reg. desk on Wednesday morning July 26 to confirm your registration.

This tour will feature the Grand Coulee Dam, one of the most significant water systems in Eastern Washington. Participants will get the chance to take part in a special tour of the facilities and hear from the local community about the impacts of the Dam on the regional economy and ecosystem. We will also have a reception to further discuss and understand the significance of the Dam.

Energy Innovation Tour

Wednesday, July 25 | 7:30am- 12:00 pm
Available for on-site registration

Please join us to tour one of the world’s leading developers of smart communities Itron in Liberty Lake, WA outside of Spokane. Itron is a world-leading technology and services company dedicated to the resourceful use of energy and water. We will then stop at Urbanova. Two years in the making, Urbanova’s plan was formalized September 2016 with partners including the Spokane city government, Avista, Itron, engineering firm McKinstry, and Washington State University.

Kaiser Aluminum Tour
Wednesday, July 25 | 2:30pm- 5:30pm
Cost: \$15 USD

Washington’s aerospace industry fuels jobs for thousands of families and travel for billions of passengers each year. Kaiser Aluminum’s Trentwood facility in Spokane County, founded in 1946, is an important part of the supply chain in Aerospace, automotive, and industrial applications, and an integral part of the Spokane community for the past 70 years. Participants will receive an overview of Kaiser Aluminum’s operations, followed by a tour of their impressive production facilities that play an important role in supporting Washington State’s growing aerospace economy.

Columbia River Treaty

- **B.C. 2-day Study Tour**

Thursday, July 26 @ 7am to July 27 @ 6pm
***Unavailable for on-site registration**

**Please come to the reg. desk on Wednesday morning July 26 to confirm your registration.

This two day tour will take participants to a number of significant sites along the Columbia River in B.C., making major stops in Castlegar and Nakusp, and featuring insights from leading experts on recommendations for modernizing the Treaty. Highlights include a house boat trip on the Arrow Lakes Reservoir and a BBQ at Minister Katrine Conroy’s farm.

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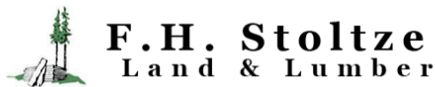
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Achieving a safe and prosperous future through engineering and geoscience

The Association of Professional Engineers and Geoscientists of Saskatchewan, Engineers and Geoscientists BC, and the Association of Professional Engineers and Geoscientists of Alberta are proud to support the Pacific NorthWest Economic Region's annual summit.



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Association of Professional Engineers & Geoscientists of Saskatchewan



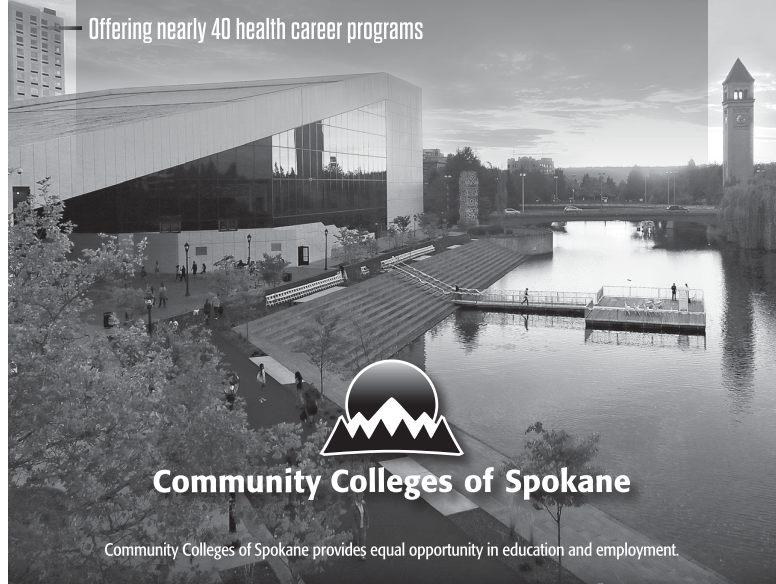
ENGINEERS & GEOSCIENTISTS
BRITISH COLUMBIA



APEGA The Association of Professional Engineers and Geoscientists of Alberta

The leading partner in the regional economy

- Providing high-quality, affordable education
- Partnering with regional business and industry for custom training programs
- Bringing a college education to rural communities throughout the region
- Offering nearly 40 health career programs



Community Colleges of Spokane

Community Colleges of Spokane provides equal opportunity in education and employment.



Snoqualmie Falls Hydroelectric Project

Puget Sound Energy is proud to serve our neighbors and communities in 10 Washington counties. We're the state's largest utility, supporting 1.1 million electric customers and 825,000 natural gas customers. For more about us and what we do, visit pse.com. Also follow us on Facebook and Twitter.



WELCOME TO SPOKANE AND THE INLAND EMPIRE!



BNSF has been serving Spokane and Northern Idaho for more than 100 years. We're proud of our role in helping the region's agriculture, timber and other industries grow in today's global economy. We link them to domestic and international markets, and we support them by delivering materials vital to their operations.

In addition, BNSF helps deliver a wide variety of consumer products to retailers and businesses, including packaged goods, clothes, appliances, electronics, and automobiles.

Idaho is also home to BNSF's refueling facility at Hauser. Approximately 29 trains are serviced daily, with locomotives

receiving fuel, traction sand, lube oil and water in a turn-around time of 30 to 45 minutes per train. This quick-stop process enables trains to more efficiently transport freight critical to local, national and international customers and consumers. In addition to generating hundreds of jobs, from initial construction to operations, the Hauser fueling facility has raised the bar in environmental protection. BNSF operates the 24-hour facility with the highest commitment to environmentally safe and efficient operations.

Supporting BNSF's rail network in Idaho are more than 330 dedicated men and women who earn a combined payroll of nearly \$25 million. With more than 500 BNSF employees throughout the entire North Idaho-Spokane Valley area, our employees and their families represent a substantial segment of the regional economy.

Global Economy - U.S. and global economies rely on rail, and BNSF is a vital link in the global supply chain. We enable our customers to participate in a wide range of markets in North America and around the world.

Providing Needed Capacity - We serve a wide variety of shippers in nearly all U.S. industries, and we are working to provide consistent, reliable service today and to build our capacity to meet future demand. We're maintaining and improving our infrastructure, expanding capacity as needed and investing in our fleet of locomotives and railcars. We're also constantly investing to ensure our network will safely and efficiently meet freight transportation needs for decades to come.

Maintaining and Expanding Infrastructure for a Strong Network - Unlike other modes of transportation, U.S. railroads, including BNSF, own and maintain their rights of way. We fund the building, maintenance and repair of a private "rail highway" that delivers tremendous transportation value for our customers and the nation.

During the past decade we spent \$24 billion to improve our infrastructure. That includes maintaining a strong railroad through strategic investments in expanding track, yards and terminals; track renewal; technology; and new locomotives. BNSF has one of the newest locomotive fleets in the industry. Since 1999, we have acquired more than 2,700 high-horsepower locomotives. Because they are more fuel efficient, these new locomotives reduce our need to import expensive foreign oil and reduce greenhouse gas emissions.

Outlook for Future Capacity Growth - Increasing our rail capacity helps the U.S. compete more effectively and can reduce the environmental impact of freight transportation. The U.S. rail industry transports 40 percent of the nation's goods, in terms of distance and weight, for only 10 percent of the intercity freight revenue.

Since 1980 railroads have invested more than \$420 billion to maintain and improve their infrastructure. Over the same period, prices for rail transportation fell by more than 50 percent in real dollars adjusted for inflation, according to the Association of American Railroads (AAR). The U.S. Department of Transportation projects that demand for rail freight transportation, measured in tonnage, will increase 88 percent by 2035.

At BNSF, all of our investments in capital, asset utilization, people and technology help ensure we have the capacity to meet current and future freight transportation needs, while also improving our operating reliability and efficiency. The result is a stronger transportation infrastructure for our nation and a more reliable supply chain for our customers.*

RESILIENCY — BUILDING THE PATH TO A MORE SUSTAINABLE FUTURE

A Coalition of industry associations from across the Pacific Northwest have joined forces to build a more resilient future for the region. Operating across British Columbia, Alberta, Washington and Oregon, the Pacific Northwest Building Resilience Coalition (PNBRC) promotes the design and construction of resilient buildings better able to resist fire and water damage, and able to withstand extreme weather impacts and disasters such as earthquakes and wild fires.

There was no one issue or event that sparked the formation of the Coalition. Rather it was a growing awareness among some of the most experienced experts in the construction industry of the need for safer, healthier, and more energy efficient buildings for growing communities, while at the same time reducing vulnerabilities to natural disaster risks.

It is a daunting challenge. The demand for more affordable housing is rising at a time when land, building materials and construction costs are also rising. This has led to situations where choices of location, materials and construction methods could create risks that home owners or commercial property owners/managers are unprepared to bear.

Coalition members, mainly in the concrete, cement, masonry and reinforcing steel sectors, realized that consumers, policy makers, engineers, architects and community leaders needed to better understand the risks created by such choices.

The urgency of the need for better communication on these issues was soured by the devastating impacts of wild fires in British Columbia, Washington and Alberta that destroyed communities and claimed many lives. Extreme weather events across the region also laid bare the harsh realities that many homes and business establishments were unable to withstand or recover from the damage caused by floods and wind.

One of the first undertakings of the Coalition was a critical examination by Vancouver-based GLOBE Advisors of carbon sequestration in wood-based building products. This study examined the basis of industry claims that wood-based building products were less expensive, more environmentally friendly, and carbon neutral in their impacts compared to traditional concrete or steel structures. Based on peer-reviewed findings, the GLOBE study confirmed many of these claims were vastly overstated.

The Coalition has developed a suite of communications portals to make known the need for Building Better Buildings, and the importance of ensuring building codes and land use planning adequately addresses the need for resiliency in the face of changing climate realities.

Drawing upon the research efforts of the Portland Cement Association and the Concrete Sustainability Hub (CSHub) at the Massachusetts Institute of Technology (MIT), Coalition members are reaching out to industry and government leaders to develop policies and programs that will lead to more durable and sustainable homes, buildings, and infrastructure.

Partnerships have been formed with the U.S. National Ready Mixed Concrete Association, the Cement Association of Canada, and the U.S. Resiliency Council, each of whom are represented at this year's PNWER Summit.

The Summit's Disaster Resilience Symposium is a great opportunity to inform elected officials, legislators and others about the importance of resiliency planning. That is why the Coalition is pleased to sponsor a keynote address by Evan Reis, Executive Director and Co-Founder of the U.S. Resiliency Council.

The pioneering work of the Council has helped greatly to raise awareness of the need to rethink how we build our cities and towns to make them more resilient to hazards thought impossible only a decade ago. Over the next week do connect with delegates from the Coalition member associations and learn about how we can build a more resilient future for all.

RESILIENCY – BUILDING THE PATH TO A MORE SUSTAINABLE FUTURE CONTINUED

The Coalition members include: The Northwest Cement Council, Concrete BC, Concrete Alberta, Portland Cement Association, the Concrete Reinforcing Steel Institute, the Oregon Concrete and Aggregate Producers Association, the Washington Aggregate and Concrete Association, the Northwest Concrete Masonry Association, the Masonry Institute of Washington, the Insulating Concrete Forms Manufacturers Association and the Puget Sound Concrete Specification Council.



The “Resiliency – Building the Path to a More Sustainable Future” article is a submission by, and reflects the views of, 2018 Annual Summit Sponsor: The Pacific Northwest Building Resilience Coalition. The Pacific North West Economic Region (PNWER) is not responsible for the content of this piece.

**The “Welcome to Spokane and the Inland Empire” article is a submission by, and reflects the views of, 2018 Annual Summit Sponsor: BNSF Railway. The Pacific North West Economic Region (PNWER) is not responsible for the content of this piece.*

PACIFIC NORTHWEST NATIONAL LABORATORY

UNITING INNOVATION AROUND THE REGION



“Unity is strength... when there is teamwork and collaboration, wonderful things can be achieved.” This quote from Mattie Stepanek, a young poet who died before he turned 14, sums up the importance of working together, sharing ideas and pursuing common goals. Pacific Northwest National Laboratory, managed and operated by Battelle for the U.S. Department of Energy, embraces this philosophy as it advances scientific discovery and solves some of the nation’s toughest challenges in energy resiliency and national security.

Every day, our researchers work to invent efficient catalysts, develop sustainable biofuels, synthesize new materials for energy storage, strengthen

cybersecurity and deter illicit nuclear trafficking. At PNNL, we recognize that partnerships and collaborations, like those explored, enhanced and embraced at the annual Pacific NorthWest Economic Region Annual Summit, are a key ingredient to success. If we leverage the strengths and capabilities of our partners, we accomplish more together than our 4,500 scientists, engineers and support professionals could ever do alone. We collaborate with other national laboratories, academia and companies across the nation, around the world and right here in the Northwest.

For example, several new alliances and joint efforts in the region have been established in the past year. The first, with the University of Washington, is focused on materials science. The second, with Oregon Health & Science University, centers on precision medicine. Finally and most recently, with Washington State University, we formed the WSU-PNNL Institutes—a collection of three institutes that will advance discoveries and innovation in nuclear science, advanced grid and bioproducts.

We also work to advance science, technology, engineering and mathematics—or STEM—education and the public’s access to it. As one of the world’s premier laboratories for scientific discovery and technology solutions, PNNL is uniquely suited to engage and inspire the next generation of scientists and engineers. Each year, hundreds of students visit PNNL to explore and take part in career-focused and hands-on learning experiences. In parallel, educators are immersed in laboratory experiences. These efforts provide a strong foundation for tomorrow’s scientists and engineers and help fill the need for the skilled, diverse workforce of the future.

As a taxpayer-funded institution, part of PNNL’s mission is to make our broad array of intellectual property and expertise available to businesses. PNNL provides opportunities for collaborative research and commercializing available technologies. Our partner businesses gain a competitive advantage through valuable insights into new and emerging technological developments.

Looking ahead, PNNL will continue to grow and develop partnerships with universities, industry and national labs across Washington, Oregon, Idaho, Montana and Alaska. We share a vision to create a powerful Northwest innovation ecosystem focused on increasing regional prosperity, competitiveness and job creation. This collaboration will help bridge federally funded research and development with state and regional industrial development to accelerate the region’s energy innovation pipeline. With this sense of unity, we can create a sustainable future and establish this region as a leader.

This article is a submission by, and reflects the views of, 2018 Annual Summit Sponsor : Battelle. The Pacific NorthWest Economic Region (PNWER) is not responsible for the content of this piece.



Energy for life.

It goes beyond delivering electricity and natural gas. We help build value in our communities through involvement with civic organizations, charities and causes that improve the quality of life in our region. We strengthen the economic vitality of our area through technology, community partnerships and the giving of our employee's time and talents—because bringing value to our customers and attaining our business goals goes hand-in-hand.

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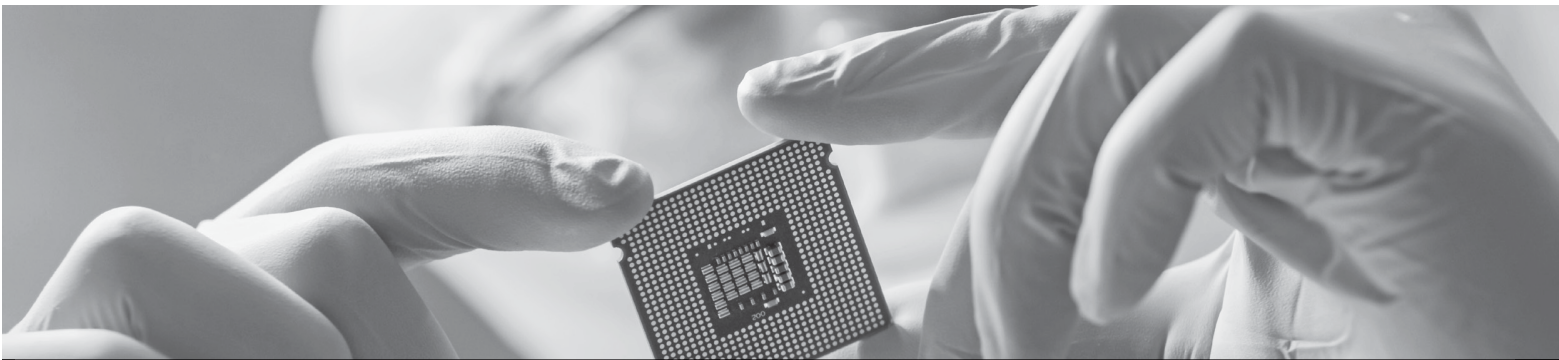
*Pacific NorthWest
Economic Region*

**“BUILDING STRONG,
SUSTAINABLE and RESILIENT
COMMUNITIES”**

www.buildingresiliencecoalition.org



Happy tails. We didn't spend Saturday morning on a long walk with our best friend. And we didn't coax them out of a mud puddle or two. But we did heat the water that made the cleanup a little more enjoyable for you both. When the energy you invest in life meets the energy we fuel it with, good clean fun happens.



Battelle is **proud to sponsor** the **28th Annual PNWER Summit**. As operator of Pacific Northwest National Laboratory, we team with our partners throughout the region to tackle big problems, drive innovation, and improve quality of life across the Northwest and nation.

TOTAL ECONOMIC OUTPUT
IN WASHINGTON STATE

\$1.46B

U.S. & FOREIGN
PATENTS, SINCE 1965

2,600

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VOLUME, 2017

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Pacific Northwest
NATIONAL LABORATORY

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The result? Alaska Airlines flew the first commercial flight in November 2016 using biofuel we created from timber harvest leftovers.

A milestone moment, for sure. But like the Wright brothers in 1903, we know we're just getting off the ground.

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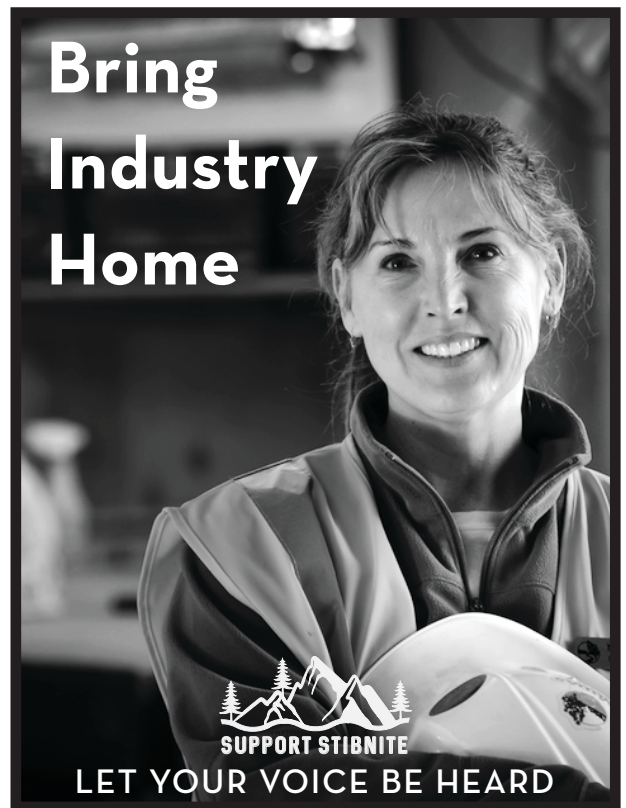
Building a Strong America®

Our legacy of Building a Strong America® began in 1924 when we brought energy to towns on the Montana-North Dakota border. From our headquarters in Bismarck, North Dakota, today we operate in 48 states, delivering energy and providing construction materials and services. We power homes, businesses and industry with electricity and natural gas. We connect homes, factories, offices and stores with pipelines and wiring. We keep our country moving by building and maintaining the transportation network of roads, highways and airports. We are your resources, for today and tomorrow.

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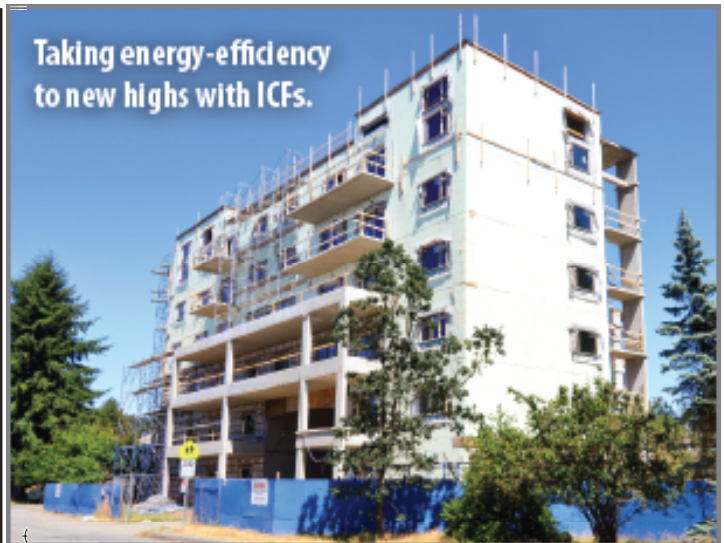
Strengthening
B.C. communities
where we live,
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FortisBC serves 1.1 million customers in 135 communities across B.C. Together with local communities, First Nations and government, we are building B.C.'s energy infrastructure to meet customers' energy demands—now and in the future.

That's energy at work.

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ICF homes and buildings are incredibly energy-efficient.



The continuous insulation, thermal mass of the concrete and air-tight envelope all combine to create superior energy-efficiency in warm and cold climates. The steel reinforced concrete core is insulated Concrete Form buildings is resistant to fire, hurricanes and tornadoes and can be engineered for all seismic conditions. The foam and concrete structure of ICFs means the homes and buildings are quiet, draft-free and do not enable mold. Building with ICFs will ensure incredible energy-efficiency of any building type.

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For more information, go to jordancovelng.com

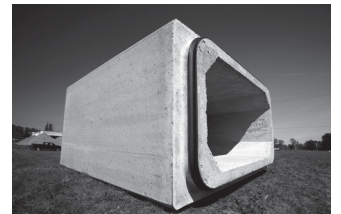


Concrete: Where durability, cost effectiveness and environmental responsibility meet

The entire network of critical infrastructure underpinning our communities demands durability, resilience, cost effectiveness and resource efficiency. Concrete, the world's most reliable, durable and low maintenance building material, delivers on all fronts.

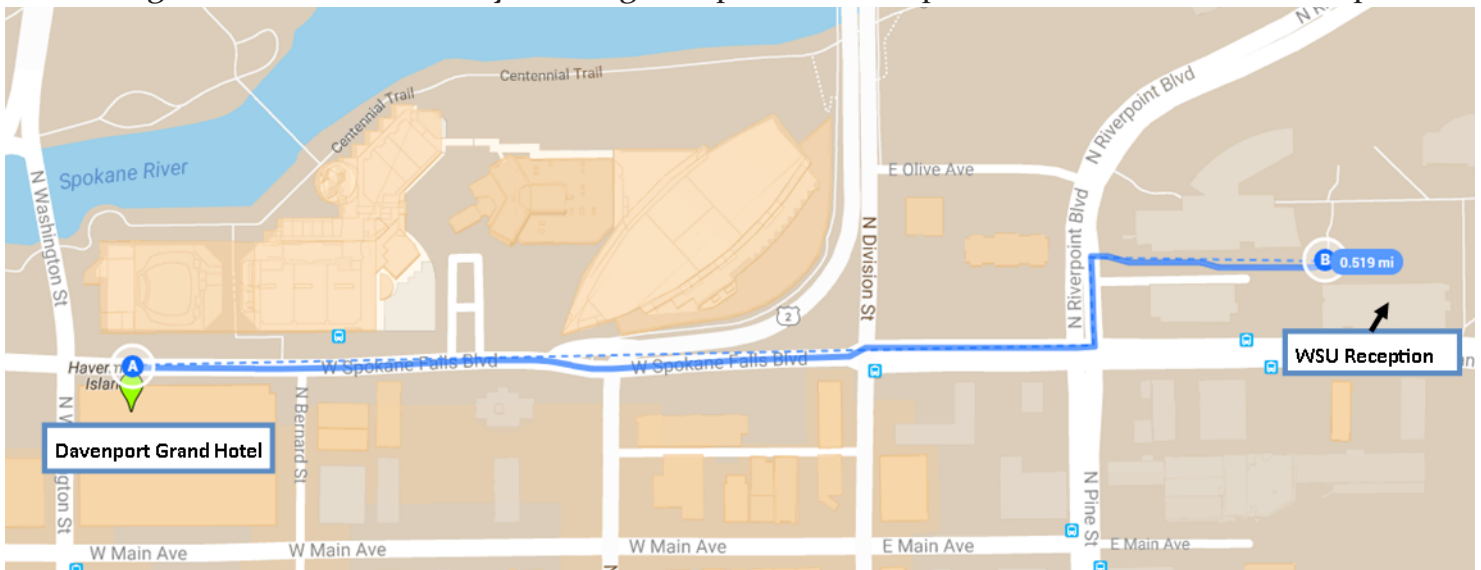
Best of all, concrete is manufactured locally, in the communities where it is used. This means durable, environmentally responsible solutions are right where they are needed. And it means local jobs that support local economies.

Find out more at concretebuildforlife.ca.



CONCRETE | Build for life™

Walking Directions for Monday Evening Reception- WSU Spokane Health Sciences Campus



Evening Reception at WSU Spokane Health Sciences Campus | Monday, July 23 6pm—8pm

Share the Power of Innovation, Discovery, and Community Impact with WSU!

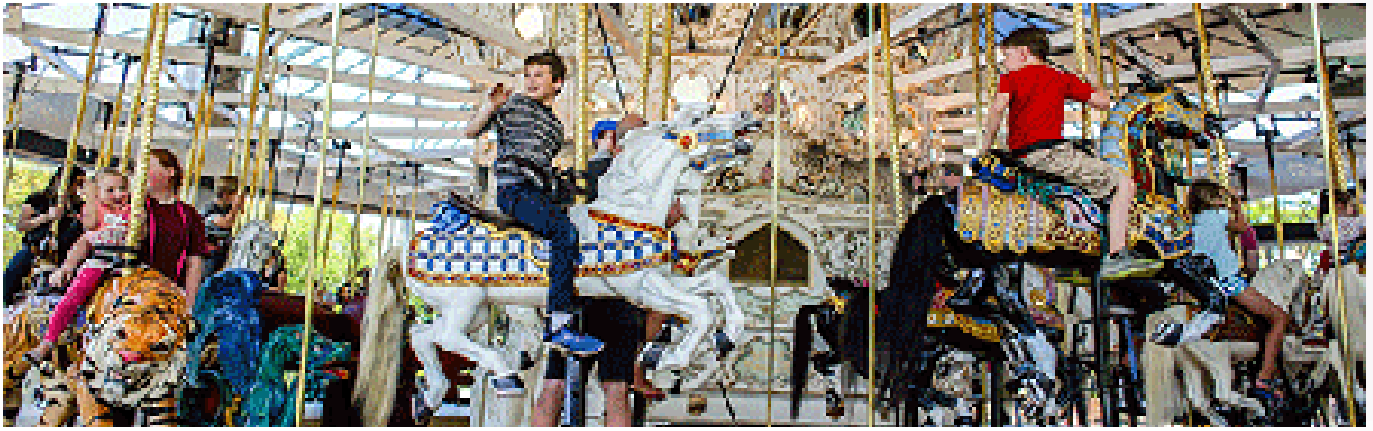
WSU Spokane is honored to welcome Summit attendees to its beautiful campus just 3 blocks from the Davenport Grand Hotel. Guests will enjoy an array of seasonally fresh, locally sourced, and sustainably produced appetizers and beverages that will feature the tastes and textures of Washington State's bounty.



Walking Directions:

- Davenport Grand Hotel- 333 W. Spokane Falls Blvd
- Take a right from the main lobby of the hotel to head East on W. Spokane Falls Blvd
- Follow W. Spokane Falls Blvd past the Performing Arts Center and Spokane Convention Center
- Cross N. Bernard St, N. Brown St, and N. Division St
- When you get to N. Riverpoint Blvd, take a left, and on the East side of the street you'll see a walking path. Follow the walking path to the WSU College of Pharmaceuticals building (the 2nd building on your right) where the reception will be held. You'll see PNWER signs
- WSU Spokane Pharmaceuticals Building 412 E. Spokane Falls Blvd

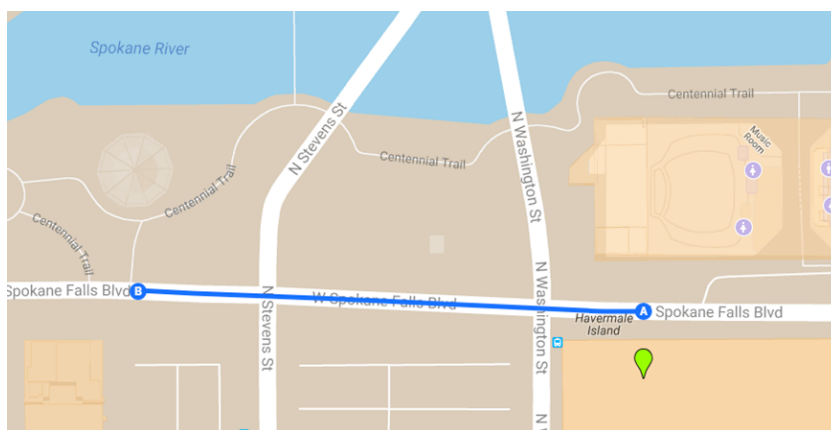
Walking Directions for City of Spokane Reception– Loeff Carousel Pavilion



Riverfront Park Reception with the City of Spokane at Loeff Carousel Pavilion | Tuesday, July 24 5:00pm—7:30pm

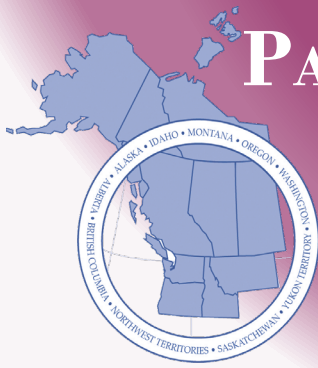
The City of Spokane is proud to host the PNWER delegates for an evening reception in the newly redesigned Loeff Carousel Pavilion along the beautiful Spokane River. The Mayor of Spokane, David Condon will be there to invite PNWER delegates to Spokane! Come join us for free rides, light food, and beverages.

At over 100 years old, the Loeff Carousel is one of America's most beautiful and well preserved, hand-carved wooden carousels. Attendees will be treated to the finest local cuisine, and craft breweries and wineries that play an important role in the local economy. Everyone will have the opportunity to ride the historic carousel and enjoy the beautiful waterfront park.



Walking Directions:

- Davenport Grand Hotel– 333 W. Spokane Falls Blvd
- Take a left from the main lobby of the hotel to head West on W. Spokane Falls Blvd
- Walk two blocks along W. Spokane Falls Blvd, past N. Washington Street and N. Stevens St.
- The Loeff Carousel Pavilion will be on your right, just past N. Stevens Street at 525 Spokane Falls Blvd.



PACIFIC NORTH WEST ECONOMIC REGION

2018 Economic Leadership Forum

Whitehorse, Yukon

Nov 13-15, 2018



The Organization

PNWER is the premier, bi-national, non-partisan, public/private partnership in North America

The Purpose

- Strengthen regional cooperation
- Learn about key economic issues; special focus on issues important to the North
- Collaborate with US & Canadian public and private sector leaders in a focused setting

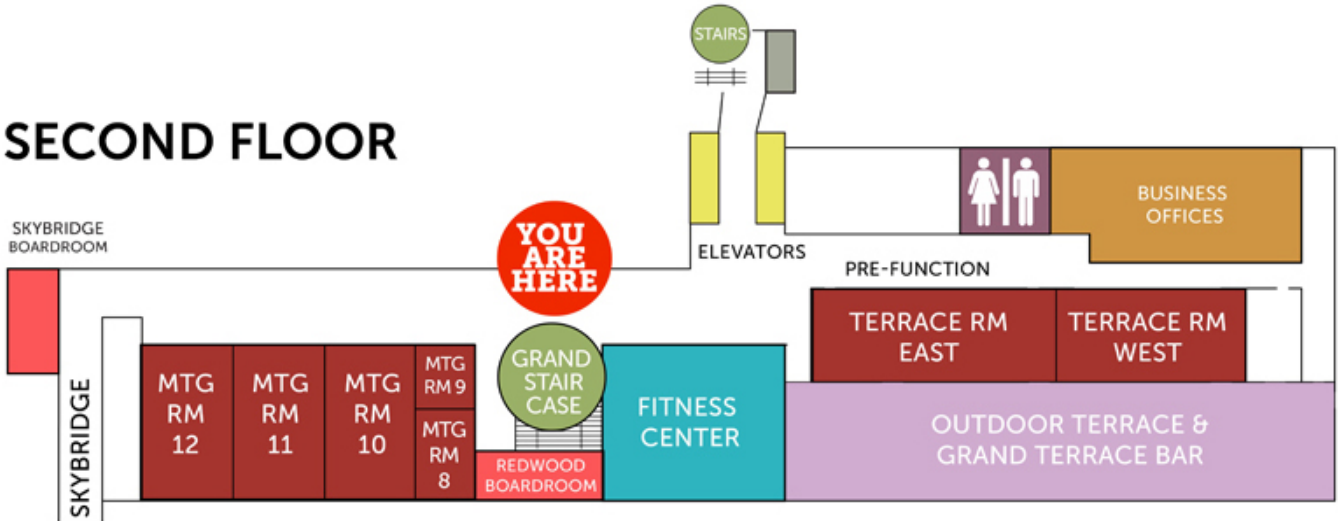
The Delegates

- State, provincial & territorial legislators
- Corporate CEOs or VPs
- NGO executive directors
- Subject matter experts

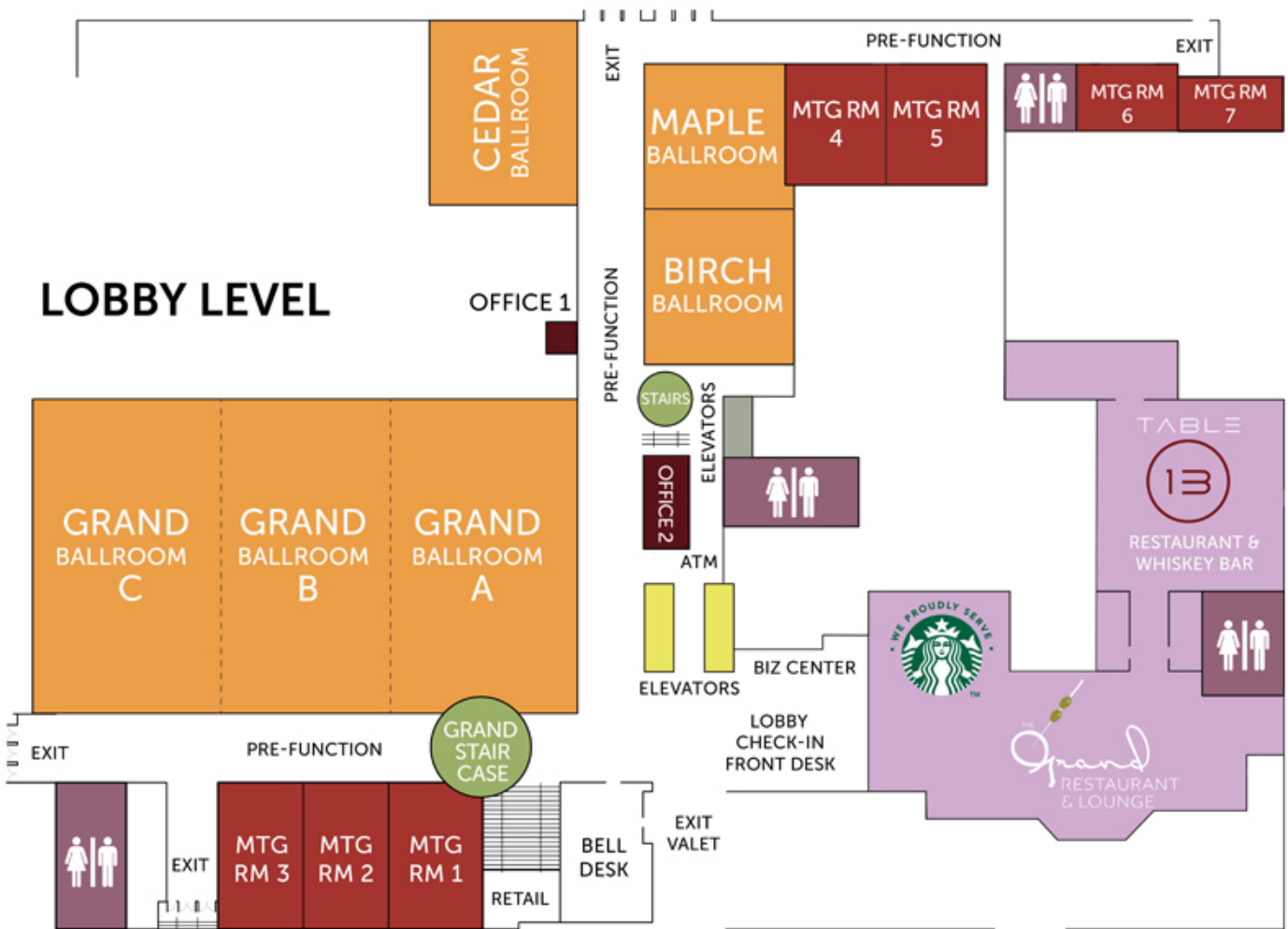
The Issues

- Border and Trade
- Economic Development
- Energy & Environment
- NAFTA Modernization
- Infrastructure
- Mining
- Tourism
- Transportation

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