

**PNWER 26th Annual Summit
Calgary, Alberta
July 17-21, 2016**

Sunday, July 17

10:00am - 9:00pm	Registration & Calgary Stampede
12:00pm - 1:00pm	Executive Committee Meeting

Monday, July 18

7:00am - 5:00pm	Registration
7:30am - 9:00am	Opening Ceremonies and Keynote Breakfast featuring Ambassador Bruce Heyman, United States Ambassador to Canada And PNWER President Curt McKenzie
9:15am - 12:00pm	Concurrent Morning Sessions <ul style="list-style-type: none">● Energy Track: Energy & Environment● Transportation● Water Policy● Mining● Forestry● Border

Session 1 - Monday Morning



*Rep. Deborah Boone
Oregon Legislature*



*Paul Manson, CEO
DC Power Grid*

Energy Track: Energy & Environment

Co-chairs: Rep. Deborah Boone, Oregon Legislature & Paul Manson, CEO, DC Power Grid

Competitiveness in the age of carbon pricing

- The politics and policy context for climate change, and specifically for carbon pricing, have shifted dramatically in a few short years. By 2017, over 80% of the Canadian economy will be covered by some form of carbon pricing, including carbon tax systems in British Columbia and Alberta. Several other PNWER members are also in the midst of debating the adoption of carbon pricing systems. This patchwork of approaches creates competitiveness challenges for Emissions Intensive Trade Exposed (EITE) sectors and for companies with operations in multiple jurisdictions.

How are industries in the Pacific Northwest economic region responding to these emerging carbon pricing regimes? What are governments doing to protect competitiveness for EITEs? What do legislators need to know about best practice for promoting competitiveness while realizing greenhouse gas reductions? What does the future hold for carbon pricing in the region?

- Chris Ragan, Chair, Canada`s EcoFiscal Commission, Associate Professor, Economics, McGill University
- Al Reid, Executive Vice-President, Environment, Corporate Affairs & Legal, Cenovus
- Michael McSweeney, President and CEO, Cement Association of Canada
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Energy Efficiency to Promote Economic Growth

PNWER Roadmap to Resilient, UltraLow Energy Buildings in the Pacific Northwest

PNWER is developing guide to promoting energy efficient buildings in each jurisdiction by focusing policy options and market driven solutions; innovative technologies and construction materials; industry capacity building and training needs and opportunities. Roadmap will extrapolate results of 16 case studies for the region wide economic and

energy impacts of super-efficient buildings.

Builders' needs and response to the energy efficient market

- Sonja Winkelmann, Director, Net Zero Energy Housing, Canadian Home Builders' Association

Latest developments in energy efficiency in Alberta

- Jesse Row, Executive Director, Alberta Energy Efficiency Alliance

Capacity building and workforce preparation

- Shana Peschek, Executive Director, Construction Center of Excellence

Session 2 - Monday Morning



*Sen. Chuck Winder
Idaho State Legislature*



*Bruce Agnew, Director
Cascadia Center*

Transportation

Co-chairs: Bruce Agnew, Director, Cascadia Center & Senator Chuck Winder, Idaho State Legislature

The Transportation Working Group focuses on the infrastructure of our major corridors and gateways, with a special interest on border infrastructure. Economic development and quality of life throughout the region is reliant on dependable transportation corridors and shared standards across the region.

Welcome and Overview of Transportation Group Work Plan

Key Takeaways from the April 27th Oil Train Safety Symposium

Barry Day, Deputy Minister of Transportation, Government of Alberta

Congressional FAST ACT: Public and Private Perspectives on Innovative Finance

- Moderator: Leslie Blakey, CAGTC
- Shant Boyajian, Nossaman LLC, former Senior Counsel U.S. Senate Environment and Public Works Committee

Response Panel: Federal, state and private sector leaders

- Josephine Eckert, Legislative Director, U.S. Senator Patty Murray

- Alex Herrgott, Deputy Staff Director, Majority, U.S. Senate, EPW Committee
- Reema Griffith, Executive Director, Washington State Transportation Commission
- Stuart E. Lerner, Senior Vice President, Stantec
- Kimberly Daily, Senior Program Manager, Jacobs

Market Access and Permit Reform

Moderator: (TBA - Alberta MLA)

Alberta to Alaska Rail Study (20 mins)

- Peter Wallis, President, Van Horne Institute
- John Falcetta, President, Alberta-Alaska Rail Development Corporation

Railway Update

- Dean Wise, VP, Network Strategy, BNSF

Pipeline Overview

- Jim Donihee, COO, Canadian Energy Pipeline Association

Moderated Discussion & Action Items

Session 3 - Monday Morning



Sen. Jim Honeyford
WA State Senate



David Hill, Director
Centres and Institutes
University of Lethbridge

Water Policy

Co-chairs: Senator Jim Honeyford, Washington State Senate & David Hill, Centres and Institutes and Research Advocacy (CIRA) University of Lethbridge

Through its Water Policy Working Group, PNWER provides an important dialogue to address water policy issues throughout the Pacific Northwest region. By connecting with legislators, private-sector and universities, we work to identify best practices to improve water security, adaptation of climate change, and storage options.

Water Use in Industry

This session explores the critical connections between water and industry, with a focus as well on external drivers that are changing the perception of how water management should be integrated into business decision making.

- Water Use in the Oil Sands, Now and in the Future, Connections to Watersheds
 - Dr. Brett Purdy, Acting Executive Director for Water and Environmental Management, Alberta Innovates, Energy and Environment Solutions
 - Dr. John Zhou, Acting CEO, Alberta Innovates, Energy

- and Environment Solutions
- Water Use in Electricity Production
 - TransAlta (invited)
- Exploring Possibilities in the Water-Food-Energy-Environment Nexus
 - Alberta WaterSmart (invited)

Session 4 - Monday Morning



The Honourable Bill Bennett, Minister of Energy & Mines & Responsible for Core Review, British Columbia



David Ramsay, Director, Fortune Minerals Limited

Mining

*Co-chairs: **The Honourable Bill Bennett**, Minister of Energy & Mines & Responsible for Core Review, British Columbia, and **David Ramsay**, Director, Fortune Minerals Limited*

The Mining Working Group identifies best practices for environmental sustainability to improve the quality of life in the region, in concert with fostering economic development. The working group aims to show how development, when done responsibly, supports economic growth and increases the standard of living.

- Welcome and Introductions
- Aboriginal and indigenous peoples' and resource development Best practices of indigenous, aboriginal and métis engagement and partnership
 - Chief Stanley Grier, Piikani Nation (invited)
 - Steve Mallyon, Riversdale Mining Limited (invited)
 - Clayton Norris, MNP Aboriginal Services (invited)
 - Glen Wonders, the Association for Mineral Exploration

Panel Discussion

- Life Cycle Greenhouse Gas Emissions from Uranium Mining and Milling in Canada
 - Dr. Cam McNaughton, Golder Associates
- Reducing emissions and increasing efficiency in Mining
 - Speaker TBD

**Session 5 - Monday
Morning**



*Senator Chas Vincent
Montana State legislature*



*Travis Joseph
President
American Forest Resource
Council*

Forestry

*Co-Chairs: Senator Chas Vincent, Montana State Legislature
Travis Joseph, President, American Forest Resource Council*

Hosted by Weyerhaeuser

PNWER's Forestry Working Group includes private forest managers and landholders, legislators and agency staff dedicated to healthy and sustainable forest management, non-profit partners in conservancy and academics in forestry and wood product research. PNWER's Forestry Working Group is supportive of efforts that promote healthy forests, effective fire suppression funding, resilient watersheds, and socioeconomic sustainability in communities that depend on forestry.

Solutions to forest fire funding

Increasingly large and destructive wildfires across the U.S. and Canada have stressed the resources of forest management agencies and governments. We will hear explanations of the problem and updates on proposed solutions.

- Jim Hubbard, US Forest Service Deputy Chief of State and Private Forestry
- Diane Nicholls, Chief Forester, British Columbia

Softwood Lumber Agreement

The panel will provide a brief overview of the history of the dispute between the U.S. and Canada and of steps taken to reach an agreement in 2006. The 2006 agreement expired in October, 2015 and parties have until October 2016 to craft a new agreement.

- Ambassador David Wilkins, Partner at Nelson Mullins Riley & Scarborough LLP, former U.S. Ambassador to Canada
- Hon. Rob Merrifield, Senior counsel, Canadian Strategy Group

Best practices to market products using beetle-kill timber

Major outbreaks of the tree-killing Mountain Pine Beetle have threatened regional economies, forest health and public safety across the West. The mass of dead, diseased and dying trees following beetle epidemics create significant falling and fire hazards. We'll learn best practices on how to harvest and market wood products from beetle-kill

timber.

- Peter Lister, Vice President, Wood Products and Forest Operations, FPInnovations
- Diane Nicholls, Chief Forester, British Columbia

Advancing collaborative forest management and restoration initiatives

Successful collaborative management groups bring together diverse stakeholders to develop forest plans that work for industry, local communities, recreation and conservation interests. This panel will identify best practices of successful collaborative groups and discuss how to avoid common pitfalls.

- Diane Nicholls, Chief Forester, British Columbia
- Robyn King, Executive Director, Yaak Valley Forest Council
- Lindsay Warness, Forest Policy Liaison, Boise Cascade Company

Mass Timber - Advancing manufactured wood products in the region

Mass timber building products provide unique advantages to builders and architects, sequester carbon and can support rural manufacturing. However, building codes in some U.S. jurisdictions and a lack of research provide stumbling blocks to the material's acceptance and wider use. The panel will provide an explanation of the material, Canada's success in advancing mass timber and steps states can take to incentivize its use.

- Peter Lister, Wood Products and Forest Operations, FPInnovations
- Ethan Martin, Regional Director – Design and Construction Services, WoodWorks

Session 6 - Monday Morning



Senator John Brenden
Montana State Legislature

Border

Co-chairs: Senator John Brenden, Montana State Legislature & Dr. Laurie Trautman, Associate Director, Border Policy Research Institute

PNWER has continued to provide input to the Beyond the Border and Regulatory Cooperation Council Action Plans. Prior to the action plans' inception in December 2011, PNWER working groups had been instrumental in providing regional input for these documents, which are the cornerstone of North America's economic competitiveness and security strategy. The joint action plans are designed to simplify the process for each country's citizens to travel and do business across the border.

Beyond the Beyond the Border Action Plan – Where do we go



Laurie Trautman
Associate Director, Western
Washington University's
Border Policy Research
Institute

from here?

- Alan Bersin, Assistant Secretary for International Affairs and Chief Diplomatic Officer for the U.S. Department of Homeland Security (DHS) Office of Policy

Leaders Roundtable discussion on Canada-US Border Issues
How do we prepare for the new US Administration? What goals should the region push for the future of Beyond the Border?

Stakeholder Roundtable

- Dave Cowen, Butchart Garden
- Sarah Swanson Partridge, General Manager, Farm Equipment Sales
- Jeff Viens, Sr. Manager Security, Nexen Energy
- Chris Sands, Ross Distinguished Professor of Canada-U.S. Business and Economic Relations, Western Washington University
- Others TBA

Action Items

Adjourn

12:15pm - 2:15pm

Keynote Luncheon

2:30pm - 5:30pm

Concurrent Afternoon Sessions

- Infrastructure
- Agriculture
- Water Policy
- Natural Gas Markets
- Arctic Caucus

**Session 1 - Monday
Afternoon**



*Sen. Chuck Winder
Idaho State Legislature*



*Bruce Agnew, Director
Cascadia Center*

Infrastructure

Co-chairs: Bruce Agnew, Director, Cascadia Center & Senator Chuck Winder, Idaho State Legislature

Infrastructure and disaster resilience in the age of climate change

Climate change demands that we plan for a future of less predictable and more extreme weather. This will require new thinking in the ways we build, operate, and maintain our buildings and infrastructure. In a region already familiar with disaster management and planning for seismic risks, climate change adds a new dimension to the role of the built environment in disaster resilience.

As national, sub-national and local governments embark on one of the largest infrastructure renewal efforts in a generation, this two-part session engages leading North American experts on the urgency of climate adaptation, the current state of climate and disaster resilience in North America and emerging solutions to building low-carbon, climate and disaster resilient communities.

Part 1: Facing the future: can our infrastructure weather an uncertain climate?

Extreme is the new normal. Whether it's severe rain and flooding, strong hurricane winds and tornados or extremes in temperatures, there is no question our weather is changing and we are already paying the costs. From the \$6 billion flood that inundated Calgary in 2013, to the historic wildfire that raged through Fort McMurray in May, to the threat of sea level rise on the pacific coast, climate change adds complexity to disaster management and preparedness in a region already plagued by significant seismic and other risks.

What can we expect from future weather? What will be the impacts on our infrastructure? Are we prepared? What new codes and standards need to updated? How do we manage significant uncertainty of climate scenarios? Can climate adaptation be integrated into existing disaster planning and mitigation strategies? Can we afford it? These are some of the critical questions that will be discussed in this session.

- **Blair Feltmate**, Head, Intact Centre for Climate Adaptation, University of Waterloo
- Insurance Bureau of Canada
- Calgary Flood Case Study

Part 2: Lifecycle assessment: Decision-making for climate-friendly, climate ready and disaster resilient buildings and infrastructure

Infrastructure investments are once-in-a-generation decisions whose costs today represent only a small fraction of the lifetime value of any given infrastructure project. If that lifetime is cut short by an unforeseen disaster, the additive costs - financially and for the environment - can be staggering. Yet the challenge of moving away from the "lowest initial cost" model that dominates many infrastructure decisions in our era of fiscal restraint to a more holistic life-cycle costing model remains daunting.

Governments are taking note. The Sendai Framework for Disaster Risk Reduction signed in 2015 with strong support from Canada and the United States establishes a long-term guiding framework for managing disaster, climate risk in the context of sustainable development. Can anticipated historic investments in the renewal of public infrastructure over the coming decade balance fiscal prudence with the need to reduce GHGs while also helping our communities become more resilient? How can lifecycle thinking improve the economic, social and environmental return on infrastructure spending? What can legislators do today to integrate lifecycle thinking into infrastructure planning, design and procurement practices?

This session will open with an overview of the Sendai Agreement and will explore how new innovative life cycle tools and decision making processes can help governments better align multiple objectives (e.g. close the divide between climate mitigation and adaptation) and leverage infrastructure investments to build climate-friendly and disaster resilient communities.

- **Paul Kovacs**, Executive Director, Institute for Catastrophic Loss Reduction (ICLR)
- **Jeremy Gregory**, Executive Director, Concrete Sustainability Hub, MIT
- **Doug Smith**, Director of Sustainability, City of Vancouver

Session 2 - Monday Afternoon



Larry Doke, MLA
Saskatchewan

Agriculture

Co-chairs: Patrick J. Kole, Vice President, Legal & Government Affairs, Idaho Potato Commission & Larry Doke, MLA, Legislative Assembly of Saskatchewan

Over the past several years the Agriculture Working Group has focused on the Canada-U.S. Regulatory Cooperation Council Action Plan (RCC) and continues to provide input on agriculture related topics. The group released a statement in support of the RCC to the region's agriculture sectors, calling on the governments of Canada and the U.S. to reaffirm their commitment by ensuring adequate resources are dedicated to



Patrick J. Kole,
VP, Government Affairs
Idaho Potato Commission

the action plan’s initiatives and making sure there is a process for stakeholders to provide direct input. In 2015, congress voted to repeal mandatory Country of Origin Labeling (COOL), resolving a years-long priority and action item of the Agriculture Working Group.

Agricultural Advancements and Consumer Behaviour - focus on the interplay between science and society in agriculture. Presenters will discuss how consumers and other advocates are shaping regulatory decisions and influencing the industry’s supply chain strategies. Industry approaches to raise awareness and understanding of realities surrounding agricultural production will also be presented

- Janice Tranberg, Executive Director, SaskCanola
- Karil Kochenderfer, Principal, LINKAGES

Climate Change and Food Security: How Agriculture can Adapt to Changing Realities

The potential impacts of climate change on agricultural systems and food security in the PNWER region and beyond. Presenters will emphasize the PNWER region’s role in delivering solutions to climate and food security challenges through coordinated efforts in agricultural research, technology transfer and trade.

- Maurice Moloney, Executive Director, Global Institute for Food Security
- Frank Middleton, Environmental Manager, Cargill, High River Facility

Canada – US Regulatory Barriers Roundtable Discussion:

Co-Chairs will facilitate the development of working group action items to address specific regulatory barriers impacting Canada-US Agriculture trade. Items to be discussed include opportunities for increased regulatory cooperation, information sharing, and the resolution of outstanding cross-border trade issues in agriculture.

Bilateral Regulatory Issues:

Canada’s Grain Grading System:

- US producers are concerned that Canada’s grain grading system unfairly discriminates against U.S. imports, as imports into the system are automatically assigned the lowest grade.
 - **Cort Jensen, Chief Attorney at Montana Department of Agriculture**

Livestock Trade and Regulatory Issues:

- COOL has been repealed for beef and pork, however the rules remain in place for small ruminants (sheep and goats). These rules continue to discriminate against Canadian producers.
- Canadian industry is awaiting progress on proposed USDA

APHIS rules to address outstanding trade issues related to the import of small ruminants to the U.S., as well as the transshipment of these animals and their products, through the U.S., to Mexico and Latin America

- Harmonization of antimicrobial use legislation: Update on RCC efforts related to the removal of important antimicrobials from animal feed and water for growth promotion on both sides of the border. The US is ahead and Canada is looking to harmonize.

- **Dr. Gerald Hauer, Chief Provincial Veterinarian, Alberta**

- Transportation: Update on efforts to standardize trucking standards among U.S. western states.

- **Senator Chuck Winder, Idaho**

Session 3 - Monday Afternoon



Sen. Jim Honeyford
WA State Senate



David Hill, Director
Centres and Institutes
University of Lethbridge

Water Policy

Co-chairs: Senator Jim Honeyford, Washington State Senate & David Hill, Centres and Institutes and Research Advocacy (CIRA) University of Lethbridge

Everything Watersheds

This session will explore some of the emerging science and practices that can improve environmental performance in watersheds, moving beyond theoretical approaches to practical and in practice approaches.

- The Key Role of Stakeholders and Voluntary Actions
 - Panel featuring Watershed Planning and Advisory Committees
- Functional Environmental Flows, From Science to Action
 - Dr. Stewart Rood, Professor, University of Lethbridge, Department of Biological Sciences
 - Dr. John Mahoney, *[illegible]*
- U.S.- Canada cooperation on boundary issues
 - Chris Sandrolini, Director, Office of Canadian Affairs, U.S. Department of State
 - Greg Lermeyer, Deputy Director, U.S. Transboundary Affairs, Global Affairs Canada

Session 4 - Monday Afternoon

Energy Track: Natural Gas Markets

*Co-chairs: Rep. Caddy McKeown, Oregon State Legislature & Ian Burkheimer, Director of Business Development, Plum Energy
Hosted by ATCO*



Rep. Caddy McKeown
Oregon State legislature



Ian Burkheimer, Director
of Business
Development, Plum
Energy

Introduction: Western Canadian supply and current market dynamics.

Methane emissions reductions

Canada - US commitment to reduce methane emissions.

- Panel on methane emissions reductions.
 - Tom Ferrara, Group Manager, Air Quality Services, GHD Services
 - Ines Piccinino, Assistant Deputy Minister, Upstream Development Division, Ministry of Natural Gas Development, British Columbia

Innovation in liquid natural gas markets

Virtual LNG Pipelines

- Jason McIvor, Vice President of Business Development, Cryopeak

Maritime applications for natural gas

- Betsy Spomer, CEO, Jordan Cove LNG,

Innovative uses of LNG in the domestic market

- David Bennett, Director, External Relations. Fortis BC

Methanol

- Clay Riding, NW Innovation Works

Natural gas in mining

- Ian Burkheimer, Director of Business Development, Plum energy

Update on Natural Gas Export Terminals

- Rep. Caddy McKeown, Oregon State Legislature
- Ines Piccinino, Assistant Deputy Minister, Upstream Development Division, Ministry of Natural Gas Development, British Columbia

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Arctic Caucus

Session 5 - Monday Afternoon

Co-Chairs: Representative Bob Herron, Alaska State Legislature; Hon. Stacey Hassard, Yukon Legislative Assembly (Steve Rose, Assistant Deputy Minister will represent Yukon); and Premier Bob McLeod, Government of the Northwest Territories

The Arctic Caucus of the Pacific NorthWest Economic Region (PNWER) is a partnership between Alaska, the Yukon, and the Northwest



Rep. Bob Herron
Alaska State Legislature



Hon. Bob McLeod, Premier
Northwest Territories



Hon. Stacey Hassard
Yukon Legislative Assembly

Territories.

The partnership aims to provide a forum to share information, discuss issues of mutual concern, identify areas for collaboration between the three jurisdictions and the rest of North America, and provide Arctic-relevant input to PNWER working groups and the region at-large.

Introduction and Welcome - Rep. Bob Herron, Alaska

I. **Premier Bob McLeod** view from Northwest Territories – Remarks on infrastructure & economic development

II. **Panel Review of Arctic Council and other projects, and discussion of Arctic Caucus participation**

- **U.S. Arctic Council Leadership & Arctic Renewable Energy Atlas (AREA)** – Sydney Kaufman, Foreign Service Officer/AAAS Fellow, U.S. Department of State
- **Canada Transportation Act Review** - John Higginbotham, Senior Fellow, Centre for International Governance Innovation (CIGI)
- **Arctic Remote Energy Network Academy (ARENA)** – Robert Cooke, Senior Technology Advisor, Polar Knowledge Canada
- **Community based planning and resilience & Prevention, Preparedness and Response (PPR) in Small Communities** – Nils Andreassen, Executive Director, Institute of the North
- **Observation and monitoring programs** - Prof. Maribeth S. Murray, Executive Director, Arctic Institute of North America, University of Calgary

III. **Arctic Leaders Roundtable on North American Arctic Collaboration for Sustainable Economic Development**

Moderator: Nils Andreassen, Executive Director, Institute of the North

On March 10 President Obama and Prime Minister Trudeau released a joint statement on Arctic Leadership which included:

- **Building a sustainable Arctic economy.** Canada and the U.S. will work to develop this year a shared and science-based standard for considering the life-cycle impacts of commercial activities in the Arctic.
- **Supporting strong Arctic communities.** We commit to defining new approaches and exchanging best practices to strengthen the resilience of Arctic communities and continuing to support the well-being of Arctic residents, in particular respecting the rights and

territory of Indigenous peoples.

The Arctic Leaders Roundtable will discuss this statement from their perspective, addressing the following discussion topics:

Roundtable Participants:

- **Premier Bob McLeod**, Government of the Northwest Territories
- **Representative Bob Herron**, Alaska Legislature
- **Senator Lesil McGuire**, Alaska Legislature
- **Craig Fleener**, Senior Advisor, Office of the Governor of Alaska
- **Stephen Rose**, Assistant Deputy Minister, Government of Yukon
- **Darrell Beaulieu**, Chair of the Northwest Territories Business Development Corporation, Denendeh Investment Corp.
- **Dr. Heather Exner-Pirot**, Strategist for Outreach and Indigenous Engagement, University of Saskatchewan
- **John Higginbotham**, Senior Fellow, Centre for International Governance Innovation (CIGI)
- **Robert Cooke**, Senior Technology Advisor, Polar Knowledge Canada
- **Prof. Maribeth S. Murray**, Executive Director, Arctic Institute of North America, University of Calgary
- **Sydney Kaufman**, Foreign Service Officer/AAAS Fellow, U.S. Department of State

Roundtable discussion topics and potential action items:

- Sustainable Arctic Economy: Given cutbacks in oil and gas development in the arctic, what is necessary to foster job growth and sustainable economic development in Northern Communities? What are barriers to SME growth and foreign and domestic investment?
- Investment in Infrastructure: How does Infrastructure facilitate the well-being of Northern Communities? How can barriers be overcome for more efficient marine corridors, ports, for low impact shipping?
- Climate change adaptation in the North: Federal, State & Territorial governments are working towards potential solutions – With so much attention on Climate Change how can we ensure that adequate resources are available to overcome infrastructure needs; as well as provide adequate food security, sustainable subsistence resource management, and increase access to affordable energy and telecommunications infrastructure?
- How can we highlight the importance of the role indigenous people play in economic development in Northern Communities?
- What resources should the U.S. and Canadian governments provide

for Arctic Council initiatives which can address some of these issues? What role can PNWER play in supporting a North American Arctic Collaboration going forward? What other sources of funding can address the needs in arctic North America?

IV. Action Items and next steps

6:30pm - 9:00pm	Reception - Offsite at the BOW Hosted by Cenovus
9:00pm	Hospitality Suite

Tuesday, July 19

7:00am - 5:00pm	Registration
7:30am - 9:00am	Keynote Breakfast
9:15am - 12:15pm	Concurrent Morning Sessions <ul style="list-style-type: none">● Energy Track: Energy● Invasive Species I● Economic Trends Track: Innovation & Workforce● Agriculture Track: Cross-border Livestock Health I

Session I - Tuesday

Morning



*Senator Cliff Larsen
Montana State legislature*



*Gary Weilinger
VP External Affairs
Spectra Energy*

Energy Track: Energy

Co-chairs: Senator Cliff Larsen, Montana State Legislature & Gary Weilinger, Vice President, External Affairs, Spectra Energy

In the Energy Working Group, PNWER strives to find ways to provide sustainable energy for North America to fuel economic recovery and create a low-carbon future for North America. Key industry leaders from the U.S. and Canada discuss key energy issues.

- Canadian & Global Energy Picture:
Peter Watson, National Energy Board

Regional opportunities for implementing the [US-Canada Joint Statement on Climate and Energy](#)

How do we balance responsible sustainable development with environmental regulatory oversight?

Policy Makers Panel

How are you balancing climate targets with energy development?

- Hon. Bill Bennett, BC Minister of Energy and Mines
- Rep. Jeff Morris, WA

Regulators Panel

What structures are in place to ensure that policy goals are met?

How are you working together to encourage the advancement of new projects?

Speakers

- Paul Jeakings, BC Oil and Gas Commission
- Jim Ellis, AB Energy Regulator
- Travis Kavulla, **President and Chairman of the Board of Directors of NARUC, Commissioner of Montana Public Service Commission**

Industry Response Panel

Moderated by Gary Weilinger, Vice President, External Affairs, Spectra Energy

Tim McMillan, CEO, Canadian Association of Petroleum Producers

Linda Coady, Chief Sustainability Officer, Enbridge

Recommendations
Action items discussion

**Session 2 - Tuesday
Morning**

Invasive Species I

*Co-chairs: Oregon State Senator Arnie Roblan & Dr. Mark Sytsma,
Vice President for Research, Portland State University*



*Dr. Mark Sytsma
VP for Research
Portland State University*

The PNWER Invasive Species working group strives to build collaborative partnerships throughout the region to prevent the spread of invasive species into and throughout the region. Invasive species are a key economic concern across the U.S. and Canada, damaging natural ecosystems and physical infrastructure. In recent years the group has worked most actively in developing a regional defense framework to preventing the spread of invasive zebra and quagga mussels into the northwest. If these mussels were to establish themselves across the PNWER region, the estimated cost to the region would be half a billion dollars annually.

Welcome (chairs and facilitator) and introductions

~ Matt Morrison, PNWER gives an overview and addresses the federal response in the US and Canada

~ Presentation from Lisa DeBruyckere, *University of Idaho*

Present updates on maps of inspection stations

(Current funding and where inspection stations are for each Province and State)

“Living with an Infestation: Update on Manitoba Mussels”

~ Manitoba Speaker TBA

Border update

~ CBSA (Canada Border Services Agency)

~ Mary Braswell, US Customs and Border Protection via conference line

~ Discussion and Q&A

Legislative Panel

- ~ Ms. Robyn Luff, MLA, Alberta
- ~ Senator Arnie Roblan, Oregon
- ~ Rep. Mike Cuffe, Montana
- ~ Dan Ashton, MLA BC
- ~ Other legislators from PNWER states/provinces

Introduction to “A little bit of hope: Alberta’s Canine Conservation Program”

~ Cindy Sawchuk, AIS Operations Lead / Handler, Alberta Environment and Parks

Session 3 - Tuesday Morning



*Shawna Argue
Director, Education and Compliance at Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS)*

Economic Trends Track: Innovation & Workforce

Co-chairs: Shawna Argue, Director, Education and Compliance, Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS); Nirav Desai, Chief Technologist, Booz Allen Hamilton

The competitive landscape of the global economy, coupled with worldwide environmental challenges, is creating unprecedented demand for scientific discovery and application. The Pacific Northwest region must channel the strengths of its many separate resources into a collaborative, comprehensive effort that maximizes the economic benefits of regional innovation.

Panel

Robyn Bews, Executive Director, WORKshift Canada



*Nirav Desai
Chief Technologist*

Impacts of new technologies on our regional workforce

Much like the transition from steam locomotives to diesel technology in the 1930s, our workforce is going through a renaissance. More and more skilled labor requires a high tech

Booz Allen Hamilton

education in order to keep up with new techniques and equipment.

Potential of innovation accelerators around the region to collaborate

Experts will discuss areas where these important resources can share emerging technologies which will benefit the regional economy.

Panel

Vikram Jandhyala, Vice Provost for Innovation, University of Washington

Session 4 - Tuesday Morning

Agriculture Track: Cross-border Livestock Health I

Co-chairs: Dr. Larry Delver, Alberta Beef Producers

The Cross-Border Livestock Health Working Group consists of state, provincial and federal veterinarians and industry representatives. It serves as a model to enhance relationships and network-building between U.S. and Canadian jurisdictions, exchanging information on animal health issues/concerns, developing a common understanding of disease policies, exchanging information on emergency response to emerging and foreign animal disease.



*Dr. Larry Delver
Alberta Beef Producers*

Opening Remarks - Dr. Larry Delver, AB Beef Producers and CEO, VM Agri Consulting

Action Priorities for this Meeting - Dr. Joe Baker, State Veterinarian, Washington

How the PNWER advocacy process works, past successes / new opportunities - Brandon Hardenbrook Deputy Director

Regulatory Cooperation Council & Collaborative Cross Border EM Planning - Dr. Larry Delver



Dr. Joe Baker, State Veterinarian, Washington

Regulatory Cooperation Council Updates

- Electronic certification and cross border livestock movement
- US (VEHCS)
 - **Fred Gorrell**, ADM, Market & Industry Services, Agriculture and Agri-Food Canada
 - **Dr. Harpreet Kochhar**, Associate VP Operations & CVO - Canada, CFIA
 - **Dr. Mohit Baxi, Director**, Animal Import/Export CFIA
- Disease zoning and live animal / product movement
 - **Dr. John Clifford**, Chief Trade Advisor, National Import Export Services, USDA APHIS

Improving Emergency Management (EM) Across Our Borders

- Secure Food Supply-US
- CAN / province overview- Livestock Market Interruption Strategy, EM Framework, etc.
- Industry EM initiatives
- Enhancing cross border EM communications and collaborations
- Temporary EM-related Livestock Movement Permits

Dr. Danelle Bichett-Weddle, Associate Director, Center for Food Security Public Health, Iowa State Univ.

Fred Gorrell, ADM, Market & Industry Services, Agriculture and Agri-Food Canada

Dr. Harpreet Kochhar, Assoc VP Operations & CVO - Canada, CFIA

Dr. Mohit Baxi, Director, Animal Import/Export CFIA

Matt Taylor, Consultant, Livestock Intelligence

Foot and Mouth Disease Readiness

- US - CAN current status
- Animal Health QUAD EpiTeam
- Risk mitigation and vaccination strategies

Dr. Harpreet Kochhar, Assoc VP Operations & CVO - Canada, CFIA

Dr. Mohit Baxi, Director, Animal Import/Export CFIA

Dr. John Clifford, Chief Trade Advisor, National Import Export Services, USDA APHIS

12:30pm - 2:00pm

Keynote Luncheon

2:30pm - 5:30pm

Concurrent Afternoon Sessions

- Energy Track: Expanding Natural Gas Markets
- Invasive Species II
- Economic Trend Track: Municipal Economic Development
- Agriculture Track: Cross-border Livestock Health II
- Disaster Resilience

Session 1 - Tuesday
Afternoon

Invasive Species II

Co-chairs: Oregon State Senator Arnie Roblan & Dr. Mark Sytsma, Vice President for Research, Portland State University



*Dr. Mark Sytsma
VP for Research
Portland State University*

Session Two -2:30 – 5:30: Invasive Species Impacts on Industry & Biodiversity; Emerging Threats and Research Needs

- Water-Operated Industry session: Each industry represented to provide an overview (formal or informal) of their systems (infrastructure, value, scope) and concerns if there was an AIS infestation (e.g .mussels)

- Panel Discussion for Action Items

Session 3 - Tuesday
Afternoon

Economic Trends Track: Municipal Economic Development

Co-Chairs:

Rep. Rick Youngblood, Idaho
Rollin Stanley, General Manager, Urban Strategy, the City of Calgary

2:30 PM **Y OŠOUT OÁP ÖQ VÜÜÖWÖV PÜÁ**

This session on municipal economic trends introduces “present-forward” considerations for the audience/attendees. The flow of the session begins with a look at disruption economies and how they are shaping up in terms of reality shifts that will affect all aspects of economic growth. The theme then looks at the evidence to define how these disruptions are being manifested in the economy at the company and local level. How to share, manage and shape growth when the economic opportunities cross traditional boundaries is the third theme for discussion with the final session asking how policy-makers can affect outcomes.

2:40 PM **ÖÜÖÖÖÖÖÜÜWÜV PÁP ÖQ ÖWT ÖÖP VÖÖPÜT ÖÜÁ**
Panel discussion led by Richard Lazar, Techolicy

The emergence of the so-called “new/sharing/gig/collaborative/on-demand economy” is increasingly challenging policy makers. Disruptive digital platforms and other revolutionary technology innovations are quickly changing the way people get and interact with services and products. Whether private-for-hire transportation, owned asset sharing, short-term lodging rentals, self-driving vehicles, drones and others, Municipalities are faced with an ever-increasing demand for new solutions to new problems.

New forms of business are beginning to emerge as entrepreneurs, innovators, and disruptors challenge traditional forms of economic development and business models. Municipalities are often left to devise solutions alone since these changes are experienced primarily at the community level first, so Municipalities are undertaking initiatives to lead the change they want to see. Government can positively or negatively impact whether and how disruptive companies, products and services are available in markets; the relationship between workers and platform companies; government revenues; public health and safety; and how data is collected, reported, used and protected. This interactive panel discussion will explore the role of government in the innovation economy, the proper balance between permitting/inciting innovation, and addressing important public policy goals and examples of how governments are meeting these transformational challenges.

- What are different municipalities doing in response to disruption and opportunity?
 - Governmental perspectives on ridesharing and short term lodging

effects- Adam Sweet, Edmonton Economic Development

- Autonomous vehicles- current state of the law and what are the issues that governments should be considering? - Richard Lazar, Techolicy

- Drones and Augmented Reality- privacy and safety issues around emerging technologies- Nirav Desai, Chief Technologist, Booz Allen Hamilton

3:45 PM **ÜÖÁÁPÒÁ ÖÖËÖÖWÞÙÁ**

Moderator- Rollin Stanley, General Manager, Urban Strategy, the City of Calgary

Each community is unique and each, regardless of size, is learning of the need to compete in a global economy. Competition comes with a cost and alone, these costs can be a limiter of potential. What is the value of global alliances; can communities learn to bind together in new and unique ways to leverage each other's strengths and capabilities? Are we limiting ourselves by taking too narrow a perspective on what it means to be a region? Is the mega-region a source of economic prosperity in the future? How do we link engines of economic growth in the "mega-region" that PNWER represents?

~ Review of Innovation maps- Start-up activity, growth projections, entrepreneurial activity and incumbent businesses. How do we capitalize on public and private investment to create the connections necessary for building regional knowledge economies and attracting capital?

- Nirav Desai, Chief Technologist, Booz Allen Hamilton

~ Interactive discussion featuring an emerging technology from DIRTT Environmental Solutions Ltd. showcasing a virtual reality program and how their work connects several cities within PNWER and beyond- featuring Julie Pithers, DIRTT Environmental.

- Are there other technologies that bind our cities in which we can build upon?
- What are some of the barriers to collaboration?

4:45 PM **ÔÞÖŠWÞÞËÛŠÏÁÖÜÖÖWÞÙÁ**
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Legislative response panel

- Rep. Rick Youngblood, Idaho
- Rep. Cindy Ryu, Washington
- Rep. Jeff Reardon, Oregon

No easy answers to many of the challenges ahead and the policy levers that served well in the past may be inappropriate for the future. What can policymakers do to help each other- municipal, state/provincial, and federal? The pace of change is accelerating and the choice to lead, follow, or get out of the way becomes more evident each day.

- Can we work together as mega-regions to support economic growth?
- Tax incentives for encouraging growth
- What is working?

Action Items for moving forward.

Session 4 - Tuesday Afternoon



*Dr. Larry Delver
Alberta Beef Producers*



Dr. Joe Baker, State Veterinarian, Washington

Agriculture Track: Cross-border Livestock Health II

Co-chairs: Dr. Larry Delver, Alberta Beef Producers

I. Understanding & Fixing Priority Cross Border Livestock Movement and Trade Issues

- Moving forward after COOL
- Eliminating CAN cattle branding
- Enhancing e-certification implementation
- ~ USDA-APHIS VEHCS (4 X-ings)
- ~ CFIA

Dennis Laycraft, Executive VP, CCA

Michael Latimer, Executive Director, CBBC

Michael Hall, Executive Director, CLGA

Aaron Canart, Risk Manager, Agri-Beef

Bill Rempel, VP, Steve's Livestock Transport

II. Next Step Cross Border Solutions

- Growing USDA-CFIA reg harmonization & rule equivalency recognition
 - ~ RCC
 - ~ Other
- Improving INDUSTRY inputs into RCC process

Dr. John Clifford / Dr. Darrel Styles, USDA

Dr. Kimberly Kirkham, USDA- APHIS
Dr. Joe Baker, State Veterinarian, WA
Dr. Harpreet Kochhar, CFIA
Fred Gorrell, ADM, Market & Industry Services, AAFC

**Session 5 - Tuesday
Afternoon**

Co-chairs



Chris Sands, Ross Distinguished Professor of Canada-U.S. Business and Economic Relations, Western Washington University



Trevor Tombe, Assistant Professor of Economics, University of Calgary

**Session 6 - Tuesday
Afternoon**

Trade & Regulatory Cooperation

Opportunities for Canada-US Trade in the context of the Trans-Pacific Partnership

Setting the Stage:

Chris Sands, Ross Distinguished Professor of Canada-U.S. Business and Economic Relations, Western Washington University

Trevor Tombe, Assistant Professor of Economics, University of Calgary

Charting the Benefits of TPP

- Karil Kochenderfer, Linkages Government and Public Affairs
 - Gary Martin, President and Chief Executive Officer of the North American Export Grain Association and President of the International Grain Trade Coalition
- Others TBC

Facilitated Roundtable Discussion

Recommendations and Action items discussion

Disaster Resilience

Co-chairs:

- Tour of the Calgary Emergency Operations Center

- *DRAFT AGENDA- SUBJECT TO CHANGE*

- Infrastructure resilience in Calgary Flood recovery and impact on resilience planning

6:00 pm	Open Evening - Enjoy dinner on your own
9:00 pm - 11:00 pm	Hospitality Suite - Hosted by the Canadian Engineering and Geoscience Regulators

Wednesday, July 20

7:00am - 5:00pm	Registration -
7:30am - 9:00am	Keynote Breakfast
9:15am - 12:15pm	Concurrent Morning Sessions <ul style="list-style-type: none"> ● Cross-border Livestock Health III ● Economic Trends Track: University Presidents’ Roundtable ● Tourism
11:00am - 12:00pm	Executive Committee

Session 3 - Wednesday Morning



*Dave Cowen
General Manager
Butchart Gardens*

Tourism

*Chair: Dave Cowen, general manager, the Butchart Gardens
Hosted by Alaska Airlines*

The Tourism Working Group helps address best practices and solutions to challenges in growing regional tourism. The group is working to develop tools that show tourism’s economic impact on the region, encourage two-nation vacations and improve transportation between destinations in the region. The Tourism Working Group has worked on several projects to increase Asian tourism to the region.

Tourism Policy panel discussion

Industry leaders discuss effective policy for sustaining regional

tourism growth

- Paul Nursey, President and CEO, Tourism Victoria

Tourism dashboard

Presentation on the economic impact of tourism in the region

Update on NORPASS initiative to connect ferry routes along Washington and British Columbia

Strategic review of PNWER Tourism Policy Development

Review progress on past action items and discuss the long-term goals of the working group

Session I - Wednesday

Morning



*Dr. Larry Delver
Alberta Beef Producers*



*Dr. Joe Baker, State
Veterinarian, Washington*

Session 2 - Wednesday Morning

Agriculture Track: Cross-border Livestock Health III

Co-chairs: Dr. Larry Delver, Alberta Beef Producers

Disease Does NOT Respect Borders

Biosecurity- Reducing disease transmission during transportation

- Truck washes - disinfection
- Transporter training Standards

Bill Rempel, VP, SLT (Steve's Livestock Transport is largest livestock hauler in North America at >2.5 K cattle/150K pigs thru Can & US/wk)

CBLHC ACTION items

- Summarize Action item discussions
- Identify top 3 ACTIONS going forward
- Name ACTION working group and lead

Policy Tour overview and instructions

Conference Wrap & Invite to Oregon, 2017)

Economic Trends Track: University Presidents' Roundtable

Chair: President Mike Mahon, University of Lethbridge



*President Mike Mahon
University of Lethbridge*

Climate Initiatives from around the region and implication for the region’s academic institutions.

Roundtable – changing models in university governance and university administration in the evolving world demographics and economy.

12:30pm - 1:45pm	Keynote Luncheon
2:30pm - 5:30pm	Concurrent Afternoon Sessions
	<ul style="list-style-type: none"> ● Policy Tours ● Executive Committee Session

7:00 pm - 9:30 pm	Reception at Bella Concert Hall, Taylor Centre for the Performing Arts, Hosted by Mount Royal University
9:00 pm - 11:00 pm	Hospitality Suite

Thursday, July 21

8:00am	Optional Continental Breakfast
9:00 am - 5:00 pm	Policy Tours

- *DRAFT AGENDA- SUBJECT TO CHANGE*