### Sunday, July 17

10:00 a.m. – 8:00 p.m.  
**Registration** - *Third Floor Grand Foyer 1*

Noon - 1:00 p.m.  
**Executive Committee Lunch** - Invitation only  
*Walker/Bannerman*

1:00 - 5:00 p.m.  
**Executive Committee & Delegate Council Meeting** - Open to all participants - *Herald/Doll*

1:15 p.m.  
**Optional Calgary Stampede Rodeo** - See registration desk for tickets and information

7:45 p.m. - 11:00 p.m.  
**Optional Calgary Stampede Grand Finale Event**

9:00 - 11:00 p.m.  
**Hospitality Suite** - *Third Floor Atrium*

### Monday, July 18

7:00 a.m. – 5:00 p.m.  
**Registration** - *Third Floor Grand Foyer 1*

7:30 - 9:00 a.m.  
**Opening Ceremonies and Keynote Breakfast**  
*Imperial Ballroom 4/6/8*

Featuring:  
**AMBASSADOR BRUCE HEYMAN**  
United States  
Ambassador to Canada

**AMBASSADOR DAVID MACNAUGHTON**  
Canada’s Ambassador to the United States

**SEN. CURT MCKENZIE**  
Idaho State Legislature  
PNWER President

Hosted by Nelson Mullins and Imperial
Concurrent Morning Sessions:
- Energy & Environment - Imperial 1/2
- Transportation - Herald/Doll
- Water policy - Bannerman/Walker
- Mining - Imperial 5
- Forestry - Imperial 3
- Border - Stephen Room

Session I
9:15 a.m. – Noon
Energy Track
Co-Chairs:

Rep. Deborah Boone
Oregon State Legislature

Paul Manson
CEO, DC Power Grid

Energy and Environment - Imperial 1/2
Hosted by the Council of ICF Industries and FortisBC

Welcome and Overview of Working Group
- Rep. Deborah Boone, Oregon Legislature
- Paul Manson, CEO, DC Grid Development Corporation
- Michael McSweeney, President and CEO, Cement Association of Canada

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 population (64% of total emissions) 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.

In examining the future of carbon pricing in the region, we will discuss best practices for promoting competitiveness while realizing greenhouse gas reductions.
- Moderator: Chris Ragan, Chair, Canada’s EcoFiscal Commission, Associate Professor, Economics, McGill University
- Al Reid, Executive Vice-President, Environment, Corporate Affairs & Legal, Cenovus Energy
- Adam Auer, Director of Sustainability, Cement Association of Canada
- Sarah L. Rees, Ph.D, Special Assistant to the Director, Climate Policy, Washington Department of Ecology
- Dirk Forrister, President and CEO, International Emissions Trading Association (IETA)

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. Supper-efficient buildings encourage job creation, affordability, competitiveness, and resilience.

Key areas of discussion at the Summit include:
- Ongoing incorporation of proven energy efficiency solutions into building codes to promote high performance buildings.
- Responding to climate change with energy efficiency for both mitigation and adaptation.
Session I
9:15 a.m. – 12:15 p.m.
Energy Track
Co-Chairs:
Rep. Deborah Boone
Oregon State Legislature
Paul Manson
CEO, DC Power Grid

Energy and Environment Continued
Roadmap overview and case studies
• Andrew Pape-Salmon, P.ENG., MRM, FCAE, Associate, Senior Energy and Sustainability Specialist, RDH Building Science Inc.
Alberta’s energy efficiency policy landscape
• Jesse Row, Executive Director, Alberta Energy Efficiency Alliance
Builders’ needs and response to the energy efficient market
Overview of Alberta market advancements and Canadian Home Builders’ Association’s Net Zero Energy Housing initiative
• Doug Owens, Director of Operations, Brookfield Residential
Capacity building and workforce preparation
Overview of Washington State workforce capacity building
• Shana Peschek, Executive Director, Construction Center of Excellence
Response to Fort McMurray Fire and Rebuilding Program
Opportunities to provide lasting benefits to residents
• Kevin Davis, Director of Sales, Quad-Lock Building Systems

Session II
9:15 a.m. – 12:15 p.m.
Infrastructure Track
Co-Chairs:
Sen. Chuck Winder
Idaho State Legislature
Bruce Agnew
Director, Cascadia Center

Transportation - Herald/Doll
Hosted by Calgary Regional Partnership

Welcome and Overview of Transportation Group Work Plan
Oil Train Safety
- Key Takeaways from the Oil Train Safety Symposium, held April 27 and hosted by PNWER’s Center for Regional Disaster Resilience
- Reaction and next steps following Oregon derailment
Status of Transportation Infrastructure in Alberta
• Barry Day, Deputy Minister of Transportation, Government of Alberta

Congressional FAST ACT: Public and Private Perspectives on Innovative Finance
• Moderator: Leslie Blakey, President, Coalition of America’s Gateways and Corridors
• Presentation: Shant Boyajian, Attorney at Law, Nossaman LLC, former Senior Counsel U.S. Senate Environment and Public Works Committee
Response Panel: Federal, State and Private Sector Leaders
Congressional Perspective:
• Alex Herrgott, Deputy Staff Director, Majority, U.S. Senate, Environment & Public Works Committee
• Josephine Eckert, Legislative Assistant, U.S. Senator Patty Murray, via phone
Session II
9:15 a.m. – 12:15 p.m.
Infrastructure Track
Co-Chairs:
**Sen. Chuck Winder**
Idaho State Legislature
**Bruce Agnew**
Director, Cascadia Center

**Transportation Continued**
Washington State Statute on Innovative Finance:
- **Reema Griffith**, Executive Director, Washington State Transportation Commission

Private Industry Perspectives:
- **Stuart E. Lerner**, Senior Vice President, Stantec
- **Kimberly Daily**, Senior Program Manager, Jacobs

**Market Access and Permit Reform**
Updates on Supply Chain Logistics: Railway
- **Dean Wise**, VP, Network Strategy, BNSF

Current and Future Status of Pipelines in the Pacific Northwest
- **Jim Donihee**, COO, Canadian Energy Pipeline Association

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

**Moderated Discussion & Action Items**

Session III
9:15 a.m. – 12:15 p.m.
Co-Chairs:
**Sen. Jim Honeyford**
Washington State Legislature
**David Hill**
Director, Centres and Institutes, University of Lethbridge

**Water Policy - Bannerman/Walker**

**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
Exploring Possibilities in the Water-Food-Energy-Environment Nexus
- **Dr. Kim Sturgess**, CEO, Alberta WaterSmart
- **Lindsay Kline**, Researcher and Policy Analyst, Alberta WaterSmart

Clean Water Innovation Initiative for Puget Sound
- **Egils Milbergs**, Chairman, Pure Blue Water Alliance
Session IV
9:15 a.m. – 12:15 p.m.
Co-Chair:

Hon. Bill Bennett
Minister of Energy and Mines & Responsible for Core Review, British Columbia

David Ramsay
Director, Fortune Minerals Limited

Mining - Imperial 5
Hosted by Teck

Aboriginal and indigenous peoples and resource development
Best practices of indigenous, aboriginal and métis engagement and partnership. Panel followed by discussion.

• Chief Stanley Grier, Piikani Nation
• Steve Mallyon, Managing Director, Riversdale Mining Limited
• Clayton Norris, Vice President Aboriginal Services, MNP Aboriginal Services
• Glen Wonders, Vice President, Technical and Government Affairs, Association for Mineral Exploration

Life Cycle Greenhouse Gas Emissions from Uranium Mining and Milling in Canada

• Dr. Cam McNaughton, P. Eng, Environmental Engineer, Golder Associates

Reducing emissions and increasing efficiency in Mining

• Flyn McCarthy, P. Eng, Principal, SysEne

Discussion and Action Items

Session V
9:15 a.m. – 12:15 p.m.
Agriculture Track
Co-Chair:

Sen. Chas Vincent
Montana State Legislature

Forestry - Imperial 3
Hosted by Weyerhaeuser

Solutions to forest fire funding
Increasingly large and destructive wildfires have stressed the resources of forest management agencies and governments. We will hear explanations of the problem and updates on proposed solutions.

• James 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 process of the U.S. and Canada coming to 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
Forestry Continued

**Best practices to market products using beetle-kill timber**

_The mass of dead, diseased and dying trees following Mountain Pine beetle epidemics create significant fire hazards. We’ll learn best practices on how to harvest and market wood products from beetle-kill timber._

- **Peter Lister**
- **Diane Nicholls**, Chief Forester, British Columbia

**Advancing collaborative forest management initiatives**

Successful collaborative management groups bring together diverse stakeholders to develop forest plans that work for industry, local communities, recreation and conservation interests.

- **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 sequester carbon and can support rural manufacturing. Steps states can take to incentivize its use._

- **Peter Lister**
- **Ethan Martin**, Regional Director, Design & Construction Services, WoodWorks

---

**Border Issues - Stephen Room**

Hosted by Van Ness Feldman

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

_What goals should the region push for the future of Beyond the Border?_

- **Dave Cowen**, General Manager, The Butchart Gardens
- **Jim Phillips**, President and CEO, CanAm Border Trade Alliance
- **Chris Sands**, Ross Distinguished Professor of Canada-U.S. Business and Economic Relations, Western Washington University
- **Heather Nicol**, Professor, Trent University
- **Andrew Little**, Director, Intergovernmental Relations, Tourism Policy Branch, Ministry of Jobs, Tourism and Skills Training, B.C.
- **Sarah Swanson Partridge**, General Manager, Farm Equipment Sales
- **Michael Latimer**, Executive Director, Canadian Beef Brands Council
- **Ryan Eckmeier**, Senior Director Public Affairs, GS1 Canada
- **David Miller**, Assistant Vice President, Government Affairs, CN

**Discussion and Action Items**
Monday, July 18

12:15 - 2:15 p.m.

Keynote Luncheon
Imperial Ballroom 4/6/8

Featuring:
ALAN BERSIN
Assistant Secretary for International Affairs and Chief Diplomatic Officer, U.S. Department of Homeland Security (DHS) Office of Policy

HON. DERON BILOUS
Minister of Economic Development and Trade and the Deputy Government House Leader, Government of Alberta

Hosted by the Cement Association of Canada

2:30 - 5:30 p.m.

Concurrent Afternoon Sessions:
- Infrastructure - Herald/Doll
- Agriculture - Stephen Room
- Water policy - Bannerman/Walker
- Natural Gas - Imperial 1/2
- Arctic Caucus - Imperial 3

Session I
2:30 - 5:30 p.m.
Infrastructure Track

Co-Chairs:
Sen. Chuck Winder
Idaho State Senate

Bruce Agnew
Director, Cascadia Center

Infrastructure - Herald/Doll
Hosted by the Cement Association of Canada

Welcome and Overview of Working Group
- Senator Chuck Winder, Idaho State Legislature
- Bruce Agnew, Director, Cascadia Center
- Michael McSweeney, CEO, Cement Association of Canada

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.
Infrastructure Continued

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. This panel will discuss the impacts of severe weather on our infrastructure and the best ways to integrate climate adaptation into existing disaster planning.

- **Moderator: Adam Auer**, Director of Sustainability, Cement Association of Canada
- **Blair Feltmate**, Head, Intact Centre for Climate Adaptation, University of Waterloo
- **David McGown**, Senior Vice-President, Strategic Initiatives, Insurance Bureau of Canada

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

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 is challenging. This session will explore how innovative life cycle tools and decision making processes can help governments better align multiple objectives and leverage infrastructure investments to build climate-friendly and disaster-resilient communities.

- **Moderator: Adam Auer**, Director of Sustainability, Cement Association of Canada
- **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

Moderated Discussion & Action Items

<table>
<thead>
<tr>
<th>Session II</th>
<th>2:30 - 5:30 p.m.</th>
<th>Agriculture Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-Chairs:</td>
<td>Larry Doke, MLA</td>
<td>Saskatchewan</td>
</tr>
<tr>
<td></td>
<td>Patrick J. Kole</td>
<td>VP, Government Affairs, Idaho Potato Commission</td>
</tr>
</tbody>
</table>

Agricultural Advancements and Consumer Behavior

Discussion will 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
Monday, July 18

Session II
2:30 - 5:30 p.m.
Agriculture Track

Co-Chairs:

Larry Doke, MLA
Saskatchewan

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

Agriculture Continued

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 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:

I: 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

II: 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

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

• Sen. Chuck Winder, Idaho
Session III
2:30 - 5:30 p.m.
Co-Chairs:

Sen. Jim Honeyford
Washington State Legislature

David Hill
Director, Centres and Institutes, University of Lethbridge

Session IV
2:30 - 5:30 p.m.
Co-Chair:

Rep. Caddy McKeown
Washington State Legislature

Water Policy - Bannerman/Walker

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**, Alberta Environment and Sustainable Resource Development; University of Lethbridge adjunct faculty Biological Sciences Dept

U.S.- Canada cooperation on boundary issues
- **Chris Sandrolini**, Director, Office of Canadian Affairs, U.S. Department of State
- **Greg Lemermeyer**, Deputy Director, U.S. Transboundary Affairs, Global Affairs Canada

Natural Gas - Imperial 1/2
Hosted by ATCO

Introduction: Western Canadian supply and current market dynamics.
- Mark Tomlison, Director Marketing and Business Development, Spectra Energy

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
- Industry representative
**Natural Gas Continued**

**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 in the Pacific Northwest**

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

---

**PNWER Arctic Caucus - Imperial 3**

Hosted by BP

**Introduction and Welcome**

- Sen. Lesil McGuire, Alaska, former co-chair, Alaska Arctic Policy Commission

**View from the Northwest Territories**

*Remarks on infrastructure & economic development in the Arctic*

- Hon. Wally Schumann, Minister of Environment and Natural Resources; Minister of Transportation, The Northwest Territories

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

- Canada Transportation Act Review
  - John Higginbotham, Senior Fellow, Centre for International Governance Innovation & Carleton University

- 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; Arctic Renewable Energy Atlas (AREA)
  - 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
PNWER Arctic Caucus Continued

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 Climate, Energy, and 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 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 discussion topics below:

Roundtable Participants:

- **Hon. Wally Schumann**, 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 and Managing Editor, Arctic Yearbook
- **Prof. Heather Nicol**, Trent University
- **John Higginbotham**, Senior Fellow, Centre for International Governance Innovation & Carleton University
- **Robert Cooke**, Senior Technology Advisor, Polar Knowledge Canada
- **Prof. Maribeth S. Murray**, Executive Director, Arctic Institute of North America, University of Calgary

Roundtable discussion topics and potential action items:

- Sustainable Arctic Economy
- 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 and ports for low impact shipping?

- Climate change adaptation in the North: Federal, State & Territorial governments are working towards potential solutions
- 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?
Monday, July 18

6:30 - 9:00 p.m.
Reception
Offsite at the BOW
Cenovus Energy, 500 Centre Street SE, 42nd Floor
Featuring:
**MAYOR NAHEED NENSHI**
Mayor of Calgary
Hosted by Cenovus
Depart from the Hyatt at 6:20 p.m.

9:00 - 11:00 p.m.
**Hospitality Suite** - Third Floor Atrium
Hosted by Shell

Tuesday, July 19

7:00 a.m. – 5:00 p.m.
**Registration** - Third Floor Grand Foyer 1

7:30 - 9:00 a.m.
**Keynote Breakfast**
Imperial Ballroom 4/6/8
Featuring:
**GREGG SARETSKY**
President and CEO, WestJet
Hosted by Spectra Energy

9:15 a.m. – Noon
**Concurrent Morning Sessions:**
- Energy - Imperial 1/2
- Invasive Species I - Bannerman/Walker
- Innovation and Workforce - Herald/Doll
- Cross-Border Livestock Health I - Stephen Room
Session I  
9:15 a.m. – 12:15 p.m.  
Energy Track

Co-Chairs:

Sen. Cliff Larsen  
Montana State Legislature

Gary Weillinger  
VP, External Affairs  
Spectra Energy

Energy - Imperial 1/2  
Hosted by Devon Canada

Energy Keynote: Regional, National, Global Energy Perspective
- Hon. Margaret McCuaig-Boyd, Alberta Minister of Energy

Canadian Energy in a Global Marketplace
- 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, British Columbia Minister of Energy and Mines  
- Sen. Cliff Larsen, Montana  
- Sen. Lesil McGuire, Alaska

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?*
- Paul Jeakins, Commissioner and CEO, BC Oil and Gas Commission  
- Jim Ellis, President and CEO, AB Energy Regulator  
- Travis Kavulla, President and Chairman of the Board of Directors of NARUC, Commissioner of Montana Public Service Commission  
- Phil Jones, Washington Utilities and Transportation Commission  
- Peter Watson, National Energy Board

Industry Response Panel
- Moderated by Gary Weillinger, Vice President, External Relations, Spectra Energy  
- Alex Ferguson, Vice President Policy and Performance, Canadian Association of Petroleum Producers  
- Linda Coady, Chief Sustainability Officer, Enbridge  
- Peter MacConnachie, Suncor Energy
Welcome and introductions
- Robyn Luff, MLA, Alberta
- Dr. Mark Sytsma, VP for Research, Portland State University

Overview of zebra and quagga mussel threat and Pacific Northwest Response
Summary of the threat, review of PNWER initiatives to develop a regional perimeter defense strategy and federal response in the U.S. and Canada
- Matt Morrison, Executive Director, PNWER

Overview of current funding and where inspection stations are for each province and state
- Lisa DeBruyckere, President at Creative Resource Strategies

Living with an Infestation: Update on Manitoba Mussels
When Manitoba first found the mussels:
What they did to eradicate the infestation?
What are the current containment strategies?
- Justin Shead, Aquatic and Invasive Species Ecologist, Manitoba Sustainable Development

Provisional Coordination and International Borders update
Updates on: Western AIS Agreement and federal AIS regulations and CBSA/DFO implementation (e.g. how high risk boats at the border are being addressed)
- Kate Wilson, Aquatic Invasive Species Specialist, Fish & Wildlife Policy Branch, Alberta Environment & Parks
- Mary Braswell, US Customs and Border Protection (via conference line)
Discussion and Q&A

Legislative Panel
Moderated by: Senator Arnie Roblan, Oregon
- Ms. Robyn Luff, MLA, Alberta
- Rep. Mike Cuffe, Montana
- Sen. Jim Honeyford, Washington
- Dan Ashton, MLA, British Columbia
- Sen. Lee Heider, Idaho
- Sen. Bill Hansell, Oregon
- Mr. Larry Doke, MLA, Saskatchewan

Questions for panel members:
- What is your government or organization doing for a regional defense against an infestation of mussels?
- What is the status of funding in your jurisdiction?
- What are the gaps in your jurisdiction’s planning?
- In the event of a detection of mussels in your jurisdiction, how prepared do you think your state or province is? Do you have enabling legislations in place, emergency fund access, a rapid response plan?
- What more can PNWER do to help in this effort?
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 education in order to keep up with new techniques and equipment.

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.

Workforce Panel

• Robyn Bews, Executive Director, WORKshift Canada
• Steve VanAusdle, President Emeritus, Walla Walla Community College

Potential of innovation accelerators around the region to collaborate

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

Innovation Panel

• Vikram Jandhyala, Vice Provost for Innovation, University of Washington
• Mike Isman, Vice President, Booz Allen Hamilton
• Egils Milbergs, Chair, Water Alliance; Partnership Director, Pure Blue Clean Water Innovation Initiative

Discussion and Action Items
Session IV
9:15 a.m. – 12:15 p.m.
Agriculture Track
Co-Chair:
Dr. Joe Baker
State Veterinarian, Washington

Cross-Border Livestock Health I Continued

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

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

Regulatory Cooperation Council & Collaborative Cross Border EM Planning
- Dr. Larry Delver, Alberta Beef Producers and CEO, VM Agri Consulting

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
**12:30 - 2:15 p.m.**

**Keynote Luncheon**  
*Imperial Ballroom 4/6/8*

Featuring:  
**ARIS PAPADOPoulos**  
Founder and Chair of the Resilience Action Fund

Hosted by the Government of Canada

---

**2:30 - 5:30 p.m.**

**Concurrent Afternoon Sessions:**
- Invasive Species II - Bannerman/Walker
- Municipal Economic Development - Herald/Doll
- Trade and Regulatory Cooperation - Imperial 3
- Disaster Resilience - Located offsite as part of Calgary EOC Tour

Coffee break hosted by CN

---

**Session I**  
2:30 - 5:30 p.m.

Co-Chairs:

**Robyn Luff**  
MLA, Alberta

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

---

**Invasive Species II - Bannerman/Walker**

**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 questions:
- How do we get the industry more involved?
- How do we collaborate on funding?
- How do we get government and industry to work together on funding?
- How to engage beneficiaries in this struggle?
- Is legislation set up in order to act quickly with quarantines and control to have a strategy for an infestation?
- Where is the funding already going and where should additional money be going?
- How do we grow the profile and support at the senior level?
- What needs to be done to coordinate efforts in Canada and the US?

- **Renata Claudi**, Partner and Chief Scientist, RNT Consulting
- **Ivan Friesen**, General Manager, Eastern Irrigation District
- **Brian Bartel**, General Manager, Saskatchewan Irrigation Projects Association

**Closing remarks**
- Dan Ashton, MLA, Penticton, British Columbia, PNWER Vice President

**Panel Discussion for Action Items**
Welcome and Introductions
- Rep. Rick Youngblood, Idaho
- Rollin Stanley, General Manager, Urban Strategy, City of Calgary

Bridging Disruption and Incumbent Economies
- Panel discussion led by Richard Lazar, Co-Founder, 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.

Governmental perspectives on the sharing economy
An overview of the ridesharing effect and the creation of ridesharing bylaws. Challenges facing destination marketing organizations in response to short-term lodging
- Adam Sweet, Director, Strategic Relations, Edmonton Economic Development

What are the issues that governments should be considering with regard to emerging technologies (ex. Autonomous vehicles)?
- Richard Lazar, Co-Founder, Techolicy

Privacy and safety issues around emerging technologies (ex. Drones and augmented reality)
- Nirav Desai, Chief Technologist, Booz Allen Hamilton

Rise of the Mega-Regions
- 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. This discussion will address the following questions:
- 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?
Municipal Economic Development Continued

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

- Nirav Desai, Chief Technologist, Booz Allen Hamilton

Interactive discussion featuring a virtual reality program from DIRTT Environmental Solutions Ltd. and how their work connects regional cities

- Julie Pithers, DIRTTbag, DIRTT Environmental Solutions Ltd.

Conclusion: Policy Implications at the State and Provincial Level
There are no easy answers to many of the challenges ahead and policy levers that served well in the past may be inappropriate for the future. What can policymakers do to help each other?

Legislative response panel

- Rep. Rick Youngblood, Idaho
- Rep. Jeff Reardon, Oregon
- Chris Nielsen, MLA for Edmonton-Decore, Alberta

Trade and Regulatory Cooperation - Imperial 3
Hosted by Edmonton Economic Development Corporation

Opportunities for Canada-US Trade within the TPP
In spite of a successful North American Leaders Summit, campaign rhetoric in the US has been unfavorable to Trans-Pacific Partnership, and we have seen the Brexit results. With this in mind, will the TPP become reality?

US Perspective:

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

Canadian Perspective:

- 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
- Christopher Quinlivan, Minister Council for Commercial Affairs, U.S. Department of Commerce

Facilitated Roundtable Discussion moderated by Chris Sands
What should we do to support increased trade in North America? What do we do if TPP does not pass? Is there a plan B?

Regulatory Cooperation Council – Expanding to the next administration
- RCC Forward Plan and Current Initiatives
- Establishing Private Sector Association Voluntary Standards to Drive Regulatory Alignment

- Laura Dawson, Director of the Canada Institute
Brigadier General 
Brad Richy 
Chief of Idaho Bureau 
of Homeland Security 
and Director of the 
Joint Staff, Joint Force 
Headquarters, Idaho

Eric Holdeman 
Director, Center for 
Regional Disaster 
Resilience

6:00 p.m.
9:00 - 11:00 p.m.

Disaster Resilience - Offsite at the Calgary EOC
Hosted by Enmax

Meet at the registration desk in the Third Floor Grand Foyer 1 at 2:15 p.m. to check in and prepare to board buses.

Tour of the ENMAX District Energy Centre:

• Jason Grabinsky, Manager of Business Relationships, ENMAX District Energy
During the June 2013 flood, the ENMAX District Energy Centre remained fully operational during this crisis. The 750 kW emergency generator was dispatched for only 2 hours, of an available 28 hours of emergency diesel supply, while primary power was restored to the facility. Approximately 5000 square feet of space below grade was flooded resulting in over $1M in damage.
As a result two-inch thick glass and steel reinforced mullions were installed during remediation on all low-level glass to prevent the force of any future flood water from breaching the building exterior. Also, due to the elevated main boiler room floor, which contains the boilers, backup generation, and electrical switch gear, the District Energy Centre operation was virtually unaffected by flood waters. The ENMAX District Energy Centre is an excellent example of resilient critical infrastructure resulting from thoughtful planning, design, engineering, and operations.

Tour of the Calgary Emergency Operations Center:

• Tom Sampson, Chief, Calgary Emergency Management Agency
• Susan Henry, Deputy Chief, Calgary Emergency Management Agency
The Emergency Operations Center was the brainchild of former Calgary Mayor Dave Bronconnier. The need for a new Emergency Operations Centre (the original being built in 1949) was realized after the 2005 Floods. Construction began in 2009 and was completed in October 2012 months before the 2013 southern Alberta floods occurred.

What you will see on your tour
Within the building we have the back up 9-1-1 call centre, data centre, media workspace and amphitheatre, generators, office space, kitchen, gym and three courtyards and the Emergency Operations Centre.

Open Evening - Enjoy dinner on your own

Hospitality Suite - Third Floor Atrium
Hosted by the Canadian Engineering and Geoscience Regulators
Wednesday, July 20

7:00 a.m. – 5:00 p.m.

Registration - Third Floor Grand Foyer 1

7:30 - 9:00 a.m.

Keynote Breakfast  
Imperial Ballroom 4/6/8

Featuring:

DAVID LAMETTI  
Parliamentary Secretary to the Minister of International Trade

MICHAEL MAHON  
President and Vice Chancellor, University of Lethbridge

Hosted by AltaLink

9:15 a.m. – Noon

Concurrent Morning Sessions:
- Tourism - Imperial 3
- University Presidents’ Roundtable - Herald/Doll
- Cross-Border Livestock Health III - Stephen Room

Policy tour: Shepard Energy Facility

Coffee break hosted by MNP

11:00 a.m. - Noon

Executive Committee Meeting - Bannerman/Walker

Session I
9:15 a.m. – 12:15 p.m.

Co-Chairs:

Rep Gael Tarleton  
Washington State Legislature

Dave Cowen  
General Manager, The Butchart Gardens

Tourism - Imperial 3  
Hosted by Alaska Airlines

Welcome and Introduction
- Dave Cowen, General Manager, The Butchart Gardens

Tourism dashboard
Presentation on the economic impact of tourism in the region
- Andrew Little, Director, Intergovernmental Relations, Tourism Policy, British Columbia Government

Tourism Policy panel discussion
Industry leaders discuss effective policy for sustaining regional tourism growth
- Blake Richards, Member of Parliament, Banff-Airdrie
- Royce Chwin, CEO, Travel Alberta
- Ian Robertson, CEO, the Greater Victoria Harbour Authority
- Paul Nursey, President and CEO, Tourism Victoria

Strategic review of PNWER Tourism Policy Development
Round table discussion looking forward at the priorities, role and structure of the PNWER Tourism Working Group
Discussion led by Dave Cowen, General Manager, The Butchart Gardens, and Paul Nursey, President and CEO, Tourism Victoria
Session II
9:15 a.m. – 12:15 p.m.
Economic Trends Track
Co-Chair:

Michael Mahon
President and Vice Chancellor, University of Lethbridge

University Presidents’ Roundtable - Herald/Doll
Hosted by the Idaho National Laboratory

Climate initiatives from around the region and implications for the region’s academic institutions.
• Stewart Rood, Professor and Board of Governors Research Chair in Environmental Science, University of Lethbridge
• Sarah L. Rees, Ph.D, Special Assistant to the Director, Climate Policy, Washington Department of Ecology
• Representative of the Government of Alberta to be confirmed

Roundtable – changing models in university governance and university administration in the evolving world demographics and economy.
• David Atkinson, President, Grant MacEwan University
• Allan Cahoon, President and Vice-Chancellor, Royal Roads University
• David Docherty, President, Mount Royal University
• Vikram Jandhyala, Vice Provost for Innovation, University of Washington
• Michael Mahon, President & Vice-Chancellor, University of Lethbridge
• David Ross, President and CEO, SAIT Polytechnic
• Vianne Timmons, President & Vice Chancellor, University of Regina
• David Schleich, National College of Natural Medicine
• Steven VanAusdle, President, Walla Walla Community College

Session III
9:15 a.m. – 12:15 p.m.
Agriculture Track
Co-Chairs:

Dr. Larry Delver
Alberta Beef Producers

Dr. Joe Baker
State Veterinarian
Washington

Cross-Border Livestock Health III - Stephen Room
Hosted by the Alberta Beef Producers and Alberta Livestock and Meat Agency

Disease Does NOT Respect Borders
Biosecurity: Reducing disease transmission during transportation
Truck washes: disinfection
Transporter training standards
• Rick Peters, Vice President, Regulatory, Steve’s Livestock Transport

Cross-Border Livestock Health action items
- Summarize action item discussions
- Identify top 3 action items going forward
- Name working group lead
- Policy Tour overview and instructions
- Conference Wrap & Invite to Oregon Summit in 2017
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
</table>
| 12:30 - 2:15 p.m. | Keynote Luncheon  
*Imperial Ballroom 4/6/8*  
Featuring:  
**CHRIS SANDS**  
Professor of Canada-U.S. Business and Economic Relations  
Western Washington University  
**LAURA DAWSON**  
Director of the Canada Institute  
PNWER Presidential Passing of the gavel  
Hosted by Puget Sound Energy |
| Noon - 5:30 p.m. | Policy tour: GrowSafe Systems Ltd. |
| 2:30 - 5:30 p.m. | Policy tours:  
Pine Creek Wastewater Treatment Facility  
GE Customer Innovation Centre & District Ventures  
Calfrac Laboratory |
| 6:30 - 9:00 p.m. | Reception offsite at  
*Bella Concert Hall, Taylor Centre for the Performing Arts*  
4825 Mt Royal Gate SW  
Featuring:  
**HON. LOIS E. MITCHELL**  
Lieutenant Governor of Alberta  
**DR. DAVID C. DOCHERTY**  
President, Mount Royal University  
Hosted by Mount Royal University |
| 9:00 - 11:00 p.m. | Hospitality Suite - *Third Floor Atrium*  
Hosted by ExxonMobil |

**Thursday, July 21**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Optional Continental Breakfast - <em>Imperial Ballroom 5/7/9</em></td>
</tr>
<tr>
<td>8:30 a.m. - 3:00 p.m.</td>
<td>Policy tour: Bow River Valley &amp; LaFarge Cement Plant</td>
</tr>
<tr>
<td>8:00 a.m. - 5:00 p.m.</td>
<td>Policy tour: Head-Smashed-In Buffalo Jump &amp; Piikani Nation</td>
</tr>
</tbody>
</table>

We are grateful to GHD for sponsoring wifi access at the PNWER Summit