

Sunday July 17

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

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



Heyman



MacNaughton

AMBASSADOR DAVID MacNAUGHTON
Canada's Ambassador to the United States

SEN. CURT McKENZIE
Idaho State Legislature
PNWER President



McKenzie

Hosted by Nelson Mullins and Imperial

9:15 a.m. – Noon

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. – 12:15 p.m.

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. Super-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

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 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

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

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

Co-Chair:



Sen. Chas Vincent
Montana State
Legislature

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

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

Session V

9:15 a.m. – 12:15 p.m.
Agriculture Track

Co-Chair:



Travis Joseph
President, American
Forest Resource
Council

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

How do we prepare for the new US Administration? 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

Session VI

9:15 a.m. – 12:15 p.m.
Cross-Border Track

Co-Chairs:



Sen. John Brenden
Montana State
Legislature



Laurie Trautman
Associate Director,
WWU Border Policy
Research Institute

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. Depart-
ment of Homeland Security (DHS)
Office of Policy



Bersin



Bilous

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.

Session I
2:30 - 5:30 p.m.
Infrastructure Track
Co-Chairs:
Sen. Chuck Winder
Idaho State
Legislature

Bruce Agnew
Director, Cascadia
Center

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

Agriculture - Stephen Room
Hosted by SaskCanola and Canpotex

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

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

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

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 Lermeyer**, Deputy Director, U.S. Transboundary Affairs, Global Affairs Canada

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

Co-Chair:



Rep. Caddy McKeown
Washington State
Legislature

Natural Gas - Imperial 1/2
Hosted by ATCO

Introduction: Western Canadian supply and current market dynamics.

- Mark Tomlinson, 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

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



Ian Burkheimer
Director of Business
Development, Plum
Energy

Session V
2:30 - 5:30 p.m.
Arctic Caucus

Co-Chairs:
Rep. Bob Herron
Alaska State
Legislature

Hon. Bob McLeod
Premier, Northwest
Territories
represented by

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

Hon. Stacey Hassard
Yukon Legislative
Assembly
represented by
Stephen Rose
Assistant Deputy
Minister, Government of
Yukon

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

- **Rep. Bob Herron**, Alaska, former co-chair Alaska Arctic Policy Commission
- **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

Session V
2:30 - 5:30 p.m.
Arctic Caucus

Session Leaders:



Sen. Lesil McGuire
Alaska State
Legislature



Nils Andreassen
Executive Director,
Institute of the North

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?

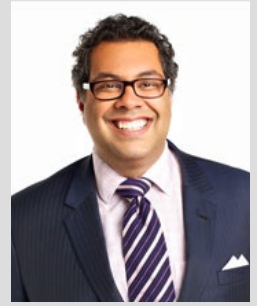
Monday, July 18

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.



Nenshi

9:00 - 11:00 p.m.

Hospitality Suite - Third Floor Atrium
Hosted by Shell

Tuesday, July 19

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



Saretsky

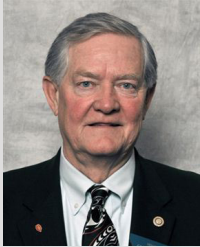
9:15 a.m. - Noon

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?

- **Moderated by Rep. Jeff Morris**, Washington
- **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

Tuesday, July 19

Session II
9:15 a.m. – 12:15 p.m.

Co-Chairs:



Robyn Luff
MLA, Alberta



Dr. Mark Sytsma
VP for Research
Portland State
University

Invasive Species I - *Bannerman/Walker*

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?

Session I
9:15 a.m. – 12:15 p.m.
Economic Trends Track

Co-Chairs:



Shawna Argue
Director, Education
and Compliance,
APEGS



Nirav Desai
Chief Technologist
Booz Allen Hamilton

Sen. Maralyn Chase
Washington State
Legislature

Innovation and Workforce - Herald/Doll
Hosted by Edmonton Economic Development Corporation

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

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

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 and developing a common understanding of disease policies.

Opening Remarks

- **Dr. Larry Delver**, Alberta Beef Producers and CEO, VM Agri Consulting

Session IV
9:15 a.m. – 12:15 p.m.
Agriculture Track

Co-Chair:



Dr. Larry Delver
Alberta Beef Producers

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



Papadopoulos

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

Tuesday, July 19

Session IV
2:30 - 5:30 p.m.
Economic Trends
Track

Co-Chair:



Rep. Rick Youngblood
Idaho State Legislature



Rollin Stanley
General Manager,
Urban Strategy,
City of Calgary

Municipal Economic Development - Herald/Doll

Hosted by Enmax

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?*

Session IV
2:30 - 5:30 p.m.
Economic Trends
Track

Co-Chairs:
Rep. Rick Youngblood
Idaho State Legislature

Rollin Stanley
General Manager,
Urban Strategy,
City of Calgary

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 DIRT Environmental Solutions Ltd. and how their work connects regional cities

- **Julie Pithers**, DIRTbag, DIRT 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. Cindy Ryu**, Washington
- **Rep. Jeff Reardon**, Oregon
- **Chris Nielsen**, MLA for Edmonton-Decore, Alberta

Session V
2:30 - 5:30 p.m.

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

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

Session IV
2:30 - 5:30 p.m.
Economic Trends
Track

Co-Chair:



**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, back-up 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



Lametti



Mahon

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

- **Rep. Gael Tarleton**, Washington
- **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

Wednesday, July 20

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

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



Sands



Dawson

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



Mitchell



Docherty

9:00 - 11:00 p.m.

Hospitality Suite - Third Floor Atrium
 Hosted by ExxonMobil

Thursday, July 21

8:00 a.m.

Optional Continental Breakfast - Imperial Ballroom 5/7/9

8:30 a.m. - 3:00 p.m.

Policy tour: Bow River Valley & LaFarge Cement Plant

8:00 a.m. - 5:00 p.m.

Policy tour: Head-Smashed-In Buffalo Jump & Piikani Nation

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