

## Margetish, Brenda R MTIC:EX

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**From:** Jeff Morris <jeffmorris@energyhorizonllc.com>  
**Sent:** Friday, August 1, 2014 10:16 AM  
**To:** 'Jeff Morris'; 'Matt Morrison'; Sigurdson, Judi IGRS:EX; Lobmeier, Lucy S IGRS:EX  
**Cc:** Fisher, Cindy L LASS:EX  
**Subject:** correction

A correction.....Matt Morrison spoke to Dep. Speaker Doug Horn at the PNWER summit.

### Jeff Morris

**Principal, Energy Horizon Corporation**

**Director, PNWER's Energy Horizon**

360-941-5678 | [jeffmorris@energyhorizonllc.com](mailto:jeffmorris@energyhorizonllc.com)

[www.pnwenergyhorizon.com](http://www.pnwenergyhorizon.com) / [www.nwenergyangels.com](http://www.nwenergyangels.com) / [www.pnwer.org](http://www.pnwer.org)

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**From:** Jeff Morris [mailto:[jeffmorris@energyhorizonllc.com](mailto:jeffmorris@energyhorizonllc.com)]  
**Sent:** Friday, August 1, 2014 8:59 AM  
**To:** 'Matt Morrison'; 'Judi Sigurdson'; 'Lucy.Lobmeier@gov.bc.c'  
**Cc:** 'Fisher, Cindy L'  
**Subject:** RE: Jeff Morris visiting Victoria - April 24

Judi, I am contacting on the email below. Matt Morrison 's

S22

S22 I am a State Representative in Washington and separately oversee the Energy Institute. Mike Bernier, MLA - Peace River South has been approached by Energy Minister Bonnet to attend the Legislative Energy Horizon Institute In Richland starting August 23 in Richland, WA.

I am emailing because MLA Bernier's office is asking us who is paying for his tuition.

I believe the Speaker spoke with Matt in Whistler and reconfirmed that if Two MLA's from BC would attend one from Government and one from opposition participated the Speaker had a training budget for members.

I am not sure how to proceed. I am attaching our back ground documents and our Memorandum of Participation that we use with the other Provinces and Partners organizations.

### Jeff Morris

**Principal, Energy Horizon Corporation**

**Director, PNWER's Energy Horizon**

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**From:** Matt Morrison [<mailto:matt.morrison@pnwer.org>]  
**Sent:** Wednesday, April 16, 2014 6:47 PM  
**To:** Judi Sigurdson  
**Cc:** Jeff Morris  
**Subject:** Jeff Morris visiting Victoria - April 24

Judi,

Jeff Morris will be coming to Victoria next week to speak at a conference on energy storage technologies. In speaking with him today, he thought it would be good if he could to get in to meet with either Minister Coleman, Minister Bill Bennett, or the Speaker about the LEHI program, to see if there is any interest in BC sending any MLA's to the program this year.

I wanted to check with you to see what you advise. Would you have an opportunity to check on whether any of those appointments would be possible? Or should I?

Last year, I did meet with Minister Coleman about LEHI, and also with the Speaker. At the time, it was just before the elections, and the suggestion was that we consider asking the new Speaker to send 2 MLA's to the program, one from the government, and one from the Opposition. This was with the former Speaker, who said that they do have a budget for MLA's to attend educational programs for legislators, which LEHI is.

Jeff will arrive in downtown around 1pm on the 24th, and does not have to speak until around 6PM that evening. So he could be available anytime between 1pm and 5pm. I've attached the emails we sent to Minister Bennett in January about LEHI.

Can you let me know what you recommend? should I ask Norm?

Here is Jeff's contact info:

**Jeff Morris**

**Principal, Energy Horizon Corporation**

**Director, PNWER's Energy Horizon**

[360-941-5678](tel:360-941-5678) | [jeffmorris@energyhorizonllc.com](mailto:jeffmorris@energyhorizonllc.com)

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Thanks very much Judi!

Sincerely,

Matt

Matt Morrison  
Executive Director, PNWER  
World Trade Center West

# Legislative Energy Horizon Institute



## INSTITUTE PARTNERS:

Pacific NorthWest Economic Region  
University of Idaho  
U.S. Department of Energy  
National Conference of State Legislatures  
Government of Canada

August 23-26, 2014, Richland, WA  
November 13-15, 2014, Washington, DC

Wednesday, September 17, 2014

The Honourable Bill Bennett  
Minister of Energy, Mines  
Ministry of Energy, Mines  
P.O. Box 9060 Stn Prov Govt  
Victoria, BC, V8W 9E2

Dear Minister Bennett,

We are contacting you in regard to British Columbia's participation in the PNWER Legislative Energy Horizon Institute (LEHI). LEHI provides legislators with an in-depth background on energy infrastructure and operations so that they can make informed policy decisions related to the energy needs in their jurisdiction. We have enclosed background information on the Institute, and a list of graduates from the first three classes.

PNWER and the National Conference of State Legislators have been fortunate in getting some support for the program from the US Department of Energy, and the Canadian Federal government under Natural Resources Canada. US DOE has limited their funding to support for US state legislators to attend the program, and NR CAN has limited their funding to support Canadian content specifically for US legislators, but expressly not to support provincial MLA's to attend.

So, we cannot utilize either the US DOE or NRCAN money for travel and accommodations for Canadian legislators. As in the past we are asking for your assistance to include British Columbia's legislators in the Institute.

Tuition for the executive certificate program from the University of Idaho is \$6162 (US) per member. The travel and accommodation is in addition to this. Two three day face-to-face meetings, one in Richland, WA and one in Washington D.C., are part of the LEHI program for 2014. There are two ways you can participate. Either these funds can be paid by the Provincial government, or if you prefer, we are willing to work with you to raise scholarship dollars from the private sector in your Province to cover tuition and travel cost for your members.

We would like to have your Province's participation. If you would like to have BC MLA's join the class of 2014 please let us know by February 28, 2014 which pathway above you would like to take.

This will be an excellent opportunity for MLA's to spend two immersion sessions of 54 hours total with other energy policymakers from the PNWER region and North America. LEHI allows for relationship building with future leadership of the legislative energy committees of your neighboring jurisdictions.

At the conclusion of the course work the participants will get an executive certificate from the University of Idaho in Energy Policy Planning. I have included the brochure for the program.

I look forward to hearing from your office if you will participate in the Institute.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Morris", with a horizontal line extending from the end of the signature.

Jeff Morris

Director of LEHI

P: (360) 941-5678

Email: [jeffmorris@energyhorizonllc.com](mailto:jeffmorris@energyhorizonllc.com)

Return Address  
Pacific NorthWest Economic Region  
World Trade Center West  
2200 Alaskan Way, Suite 460  
Seattle, WA 98121

# Legislative Energy Horizon Institute



## INSTITUTE PARTNERS:

Pacific NorthWest Economic Region  
University of Idaho  
U.S. Department of Energy  
National Conference of State Legislatures  
Government of Canada

August 23-26, 2014, Richland, WA  
November 13-15, 2014, Washington, DC

## AGENDA – WASHINGTON, DC

### Wednesday, November 12, 2014

7:00pm	<b>Informal Dinner Gathering</b> <i>The Dubliner (202.737.3773)</i> <i>Number 4 "F" ST, Washington, DC 20001</i> <i>(Meal and non-alcohol drinks covered)</i>
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### Thursday, November 13, 2014

7:15am	<b>Breakfast</b> <i>American Gas Association (AGA)</i> <i>400 N Capitol ST NW, Washington, DC</i>
7:50-8:10am	<b>Welcome and Assessments</b> <i>Alice Madden, US Department of Energy</i>
8:10-8:50am	<b>Developing Outcome Based/Technology Neutral Energy Policy</b> <i>Marc Cummings, PNNL</i>
9:00-9:50am	<b>Public Policy Impacts on Business Decisions</b> <i>Michael Oldak, Utilities Telecom Council</i>
10:00-10:50am	<b>Role of the Federal Energy Regulatory Commission</b> <i>Philip Moeller, Federal Energy Regulatory Commission (FERC)</i>
11:00-11:50am	<b>What is NERC/WECC?</b> <i>David Cook, North American Electric Reliability Corporation (NERC)</i>
12:00-1:00pm	<b>Lunch Session Class Debrief</b> <i>Jeff Morris, Legislative Energy Horizon Institute</i>
1:10-2:15pm	<b>Nuclear Energy: Today and Tomorrow</b> <i>Michael McGarey, Nuclear Energy Institute (NEI)</i>
2:20-3:50pm	<b>What Will State/Province Based Regulation Look Like in 2030?</b> <i>Charles Goldman, Lawrence Berkeley National Laboratory</i> <i>David Malkin, GE Digital Energy Management</i>
4:00-4:45pm	<b>Canada's Energy Policy Issues and Approach to Climate Change</b>

	<i>Sheila Riordan, Embassy of Canada</i>
4:45-5:00pm	<b>Class Debrief</b> <i>Jeff Morris, Legislative Energy Horizon Institute</i>
6:00-8:00pm	<b>Graduation Reception</b> <i>Denis Stevens, Canadian Embassy</i> <i>Alice Madden, US Department of Energy</i> <i>Embassy of Canada, 501 Pennsylvania AVE NW, Washington, DC</i>
<b>Friday, November 14, 2014</b>	
7:30am	<b>Breakfast</b> <i>American Gas Association (AGA) 400 N Capitol ST NW /</i> <b>Permitting Policies for Energy Infrastructure</b> <i>Jeff Wright, Federal Energy Regulatory Commission (FERC)</i>
8:15-9:00am	<b>Best Practices in Fracturing</b> <i>Rhonda Reda, Ohio Oil and Gas Association Energy Education Program</i>
9:05-9:55am	<b>Future of Coal</b> <i>Ben Yamagata, Coal Utilization Research Council</i>
10:00-11:25am	<b>Climate Change, Where Are We Now?</b> <i>Thomas Peterson, The Center for Climate Strategies</i> <i>Eugene Trisko, Attorney</i>
11:35am-12:15pm	<b>Case Study—A Business Plan to Integrate Natural Gas Vehicles</b> <i>Michael Britt, UPS</i>
12:20-1:05pm	<b>Lunch Session—Resilience and Energy Assurance Planning</b> <i>Alice Lippert, US Department of Energy</i>
1:10-1:55pm	<b>Overview of Canada's Energy Regulation</b> <i>Jennifer Steber, Alberta Energy Regulator</i>
2:00-3:15pm	<b>Best Practices for Renewable Energy Development</b> <i>Tony Clifford, Standard Solar, Inc.</i> <i>Susan Sloan, American Wind Energy Association</i>
3:20-4:10pm	<b>What is Energy Efficiency? What is Conservation?</b> <i>Steven Nadel, ACEEE</i>
4:15-5:05pm	<b>Class Debrief</b> <i>Jeff Morris, Legislative Energy Horizon Institute</i>
6:00-7:45pm	<b>Sponsor Dinner (Casual)</b> <i>Cuba Libre Restaurant and Rum Bar(202.408.1600)</i> <i>801 9<sup>th</sup> ST NW STE A (corner of 9<sup>th</sup> and H Streets)</i> <i>Washington, DC 20001</i>
<b>Saturday, November 15, 2014</b>	

7:30am	<b>Breakfast</b> <i>American Gas Association (AGA)</i> <i>400 N Capitol ST NW, Washington, DC</i>
8:00-8:50am	<b>Energy Storage Today</b> <i>Katherine Hamilton, Electricity Storage Association</i>
9:00-9:50am	<b>Overview of North America's Aging Infrastructure and Pipeline Safety Best Practices</b> <i>Kyle Rogers, American Gas Association (AGA)</i>
10:00-11:00am	<b>Coal in a Changing Regulatory Landscape</b> <i>Eric Holdsworth, Edison Electric Institute</i>
11:05am-12:15pm	<b>Performance Contracting</b> <i>Kevin Bellamy, Siemens</i>
12:30-1:15pm	<b>Lunch Session—2030 Energy Plan</b> <i>Nicole Steele, Alliance to Save Energy</i>
1:15-1:30pm	<b>Sponsor's Comments</b>
1:30-2:00pm	<b>Final Debrief and Evaluations</b>

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The Pacific NorthWest Economic Region (PNWER) is a public/private non-profit created by statute in 1991 by the states of Alaska, Idaho, Oregon, Montana and Washington, the Canadian provinces of British Columbia, Alberta, Saskatchewan, and the Yukon and Northwest Territories



February 7, 2014

The Honourable Bill Bennett  
Minister of Energy, Mines  
Ministry of Energy, Mines  
P.O. Box 9060 Stn Prov Govt  
Victoria, BC, V8W 9E2

Dear Minister Bennett,

The fourth Legislative Energy Horizon Institute (LEHI), which begins this summer, offers emerging leaders in energy policy an excellent opportunity to increase their ability to address energy challenges in their Province. LEHI offers legislators the chance to dramatically improve their knowledge of the energy infrastructure and delivery system, enhancing their ability to make the complex policy decisions that will be necessary to ensure the region has a stable, secure and affordable energy supply and delivery system.

The 2014 institute will meet on August 23-26, 2014, in Richland, WA, and November 13-15, 2014, in Washington, DC.

We have requested in a separate letter guidance on how you would like to participate in this unique opportunity. We have restrictions on both USDOE and NRCAN funds with regard to funding Canadian provincial MLA tuition or travel. I have enclosed a copy of that letter, identifying the tuition costs per MLA.

Each Province may appoint two MLA's and one alternate to the 2014 Institute. PNWER has reserved 20 out of the 40 total seats for Northwest States, Provinces, and Territories. Nominees to the Institute must be received by March 1<sup>st</sup>. Any open or unallocated seats will be filled by the alternates or nominees from other States Provinces, or Territories. After March 1<sup>st</sup> any empty positions will be filled by alternates in chronological order of those responding to this request for appointments. Getting your appointments in early makes a difference!

This unique opportunity is widely sought after and has required significant effort and resources to create and deliver. Selected legislators will be required to sign a letter of commitment and complete all of the 60 hours of coursework.

PNWER is collaborating with the National Conference of State Legislatures (NCSL), the University of Idaho, and the US Department of Energy to administer the Institute. Last year's Legislative Energy Horizon Institute was extremely successful, producing a corps of legislators with knowledge of how energy is produced, distributed and delivered to consumers. Policymakers that complete the program will return to their legislatures equipped with an enhanced understanding of the energy system and an improved ability to address the energy needs of their state.

In addition, by working together across jurisdictional boundaries, legislators will forge relationships necessary to address multi-state energy infrastructure and policy issues. This may be of significant value as BC embarks on LNG developments in northern BC.

Enclosed is a complete list of the three previous LEHI graduating classes. Unfortunately, BC has been unable to participate for a variety of reasons over the past 4 years. Minister Yamamoto however, did participate in one of the LEHI programs in Washington, DC, and would be a valuable resource from that experience in thinking of which MLA's may be best qualified for the program.

Each legislator who completes the 60 hours of coursework will receive a certificate in Energy Policy Planning from the University of Idaho. The university delivers the Utility Executive Course, which has earned a worldwide reputation as the premier executive utility education program. The brochure for the program is included with this letter.

We hope that you will take advantage of this opportunity to invest in your member's knowledge of energy infrastructure and operations. We look forward to hearing from you at your earliest convenience with your appointments for the 2014 class. Please utilize the attached form, and return it no later than February 28, 2014.

Sincerely,

The image shows two handwritten signatures. On the left is 'Matt Morrison' in a cursive script. On the right is 'Jeff Morris' in a more stylized, bold cursive script.

Matt Morrison  
PNWER Executive Director

Jeff Morris  
Director, Legislative Energy Horizon Institute



## MLA Nomination Form-2014 Legislative Energy Horizon Institute

Please use this form to list the two nominees and one alternate to the Legislative Energy Horizon Institute for the 2014 session. Please include name and contact information for each nominee and alternate. The 2014 Institute will meet on August 23-26 in Richland, WA and November 13-15 in Washington, D.C.

<b>Nominee #1:</b> <b>Legislature Office Phone:</b> <b>Constituency Office Phone:</b> <b>Email Address:</b>
<b>Nominee #2</b> <b>Legislature Office Phone:</b> <b>Constituency Office Phone:</b> <b>Email Address:</b>
<b>Alternate:</b> <b>Legislature Office Phone</b> <b>Constituency Office Phone:</b> <b>Email Address:</b>
<b>Nominating Minister:</b>

**PLEASE FAX OR EMAIL SCANNED COPY BEFORE FEB. 28, 2014 TO:**

Return Address:  
Pacific NorthWest Economic Region  
World Trade Center West  
2200 Alaskan Way, Suite 460  
Seattle WA, 98121 Fax: 206-443-7703

Contact: Jeff Morris  
Phone: (360) 941-5678  
Email Address: jeffmorris@energyhorizonllc.com

# Legislative Energy Horizon Institute



## INSTITUTE PARTNERS:

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August 23-26, 2014, Richland, WA  
November 13-15, 2014, Washington, DC

## Draft AGENDA – Richland, WA 2014

Friday August 22, 2014	
1:30-5:00pm	<b>For those arriving early we have an optional tour of the 1GW Columbia Nuclear Generating Station. Bus will take you to and from Plant from the Hotel.</b>
7:30-9:00pm	<b>Hospitality Welcome for Participants arriving August 22, 2014</b> <i>Courtyard by Marriott, Richland Columbia Point</i> <i>480 Columbia Point Drive   Richland, WA 99352</i> <i>(509) 942-9400   (509) 942-9401</i>
9-10:30pm	<b>Hospitality Suite Open</b>
Saturday August 23, 2014	
7:00-8:45am	<b>Breakfast At Hotel (voucher in your check-in packet)</b> <i>Courtyard by Marriott, Richland 480 Columbia Point Drive, Richland, WA 99352</i>
9:00am	<b>Bus for Pacific Northwest National Lab. (you will need your security badge before leaving hotel—Badge pick up in the lobby)</b>
9:30am	<b>Welcome</b> (Official Course start) Self knowledge Assessment Jeff Morris/Yvonne Sertich
9:45-12:15pm	<b>Electric Power Generation, Transmission &amp; Distribution</b> Faculty Skip Collier
12:15-1:15pm Lunch	Lunch discussion on morning session
1:30-5:00pm	<b>Electric Power Generation, Transmission &amp; Distribution</b> Faculty Skip Collier
5:00pm-6:30pm	<b><i>Dinner and tour Battery Storage Unit that is Firming a solar car charging station At EMSL</i></b>
6:30	Bus Departs for Hotel
8:00-10:00pm	<b>Hospitality Suite Open</b>

## Sunday August 24, 2014

7:45am	<i>Bus leaves for PNNL</i>
8:00-8:30am	<i>Breakfast at PNNL</i>
8:30-10:00am	<b>US Energy Situation</b> University of Idaho Faculty Dick Moore
10:15 – 11:15am	<b>Natural Gas Production, Transmission &amp; Delivery</b> University of Idaho Faculty Dick Moore
11:20-12:05pm	<b>Advanced Energy Market Trends and Policy Opportunities</b> Tom Plant – AEEI
12:10-1:20 p.m. lunch	<b>PNNL's Energy Infrastructure Operations Center</b> Short Presentation by Dr. Jud Virden Associate Laboratory Director for Energy & Environment, PNNL (Class split into two groups to tour center)
1:30-2:30pm	<b>Natural Gas Production, Transmission &amp; Delivery</b> University of Idaho Faculty Dick Moore
2:45 -4:45pm	<b>Petroleum 101</b> University of Idaho Faculty Dick Moore
5:00-8:00 pm Dinner/Test Drive start @ 6:30pm Bus leaves 8:00	<b>Alternative Fuels for Transportation</b> Policies that work to support natural gas vehicles, Alicia Milner, President of Canadian Natural Gas Vehicle Alliance  State of Electric Vehicles in North America. Kellen Schefter, EEI's Manager of Sustainability EEI  Manufacturer Perspective Toyota?BMW?  Student Drive about and Dinner!
9:00-10:30pm	<b>Hospitality Suite Open</b>

**Monday, August 25, 2014**

7:45am	<b>Bus Leaves for PNNL</b>
8:00-8:55am	<b>Global Energy Picture</b> Mark Finley BP General Manager, Global Energy Markets and US Economics
9:00-10:00am	<b>Financing Energy Projects</b> Brandon J. Lohse, CTP, Corporate Treasurer, Puget Sound Energy
10:05-11:05am	<b>Independent Power Producers, Our Story</b> Robert Kahn, Executive Director Northwest Intermountain Power Producers
11:10-12:10pm	<b>Aligning Utility Regulation with State Energy Policy</b> Ken Johnson Director, Rates & Regulatory Affairs
12:15-1:15pm Lunch	<b>Canada's Energy Situation</b> <del>Andrew Leach, Associate Professor, Alberta School of Business University of Alberta</del>
1:30-2:30	<b>What is Energy Efficiency?</b> Andrew Pape-Salmon   P.Eng., RDH Company
2:40-3:40	<b>New Markets for Canadian Natural Gas</b> Gary Weilinger, Vice President, Spectra
3:50-5:30pm	<b>Integrated Resource Planning Game</b> Jason Thackston, Avista Senior VP Energy Resources
5:35pm	Bus departs for Dinner
6:15-8:00pm Social and Dinner	<b>Energy Executive Round Table</b> <b>Challenges of Running an Energy Company Today</b> The Reach Museum --Opened July 5, 2014 "Our primary mission will be one of storyteller... Looking through the lens of the Hanford Reach National Monument and the Columbia River."  Jim Piro President and CEO Portland General Electric (invited) Gary Weilinger, Vice President, Spectra Dave Curry Entrepreneur and Chair of Board Demand Energy Mark Reddemann CEO Energy Northwest
8:00-10:00pm	<b>Hospitality Suite Open</b>

**Tuesday, August 26 2014**

7:45am	Bus Departs Hotel for PNNL
8:00-9:00am Breakfast	<b>Rate of Return 101</b> Commissioner Phil Jones Chair of NARUC/Washington State Utility Commissioner
9:10- 10:10amm	<b>Integrating Renewables</b> Aaron Bloom, The National Renewable Energy Laboratory, Transmission and Grid Integration
10:20- 11:20am	<b>Smart Grid</b> Peter Christensen Technology Commercialization Manager, Energy Portfolio Pacific Northwest National Laboratory
11:30- 12:30pm	<b>Alberta's Energy Resources and Market Access</b> Hon. Diane McQueen Alberta, Minister of Energy and Class of 2010 LEHI
12:30 to 1pm	<b>Wrap up &amp; Lunch</b>
1PM	<b>Bus back to Hotel</b>
12:30-5:00	<b>Airport or Optional site visit to Natural Gas Turbine, Wind Farm or Hydro facility.</b>

# Legislative Energy Horizon Institute Alumni

<b>Alabama</b> Rep. Mac Buttram '12	<b>Idaho</b> Rep. Robert Anderst '13 Sen. Cherie Buckner-Webb '13 Rep. Mat Erpelding '13 Sen. Russ Fulcher '12 Rep. Stephen Hartgen '10 Sen. Curt McKenzie '10 Sen. Michelle Stennett '12 Rep. Jeff Thompson '12 Sen. Elliot Werk '10 Sen. Chuck Winder '13	<b>Nevada</b> MLA Kelvin Atkinson '12	<b>New Jersey</b> MLA Upendra Chivukula '12	<b>New Mexico</b> Sen. Lynda Lovejoy '10 Rep. Tom Taylor '13	<b>New York</b> MLA Kevin Cahill '12 Sen. George Maziarz '13 MLA Amy Paulin '13	<b>North Dakota</b> Sen. Randall Burckhard '13	<b>Ohio</b> Sen. Troy Balderson '13 Sen. David Daniels '12 Rep. Peter Stautberg '13 Rep. Andy Thompson '12	<b>Oklahoma</b> Rep. Mike Jackson '12	<b>Oregon</b> Rep. Deborah Boone '13 Sen. Jackie Dingfelder '12 Rep. John Huffman '12 Rep. Matt Wingard '10 Rep. Brad Witt '10	<b>Pennsylvania</b> Rep. Ron Miller '13	<b>Saskatchewan</b> MLA Fred Bradshaw '12 MLA Michael Chisholm '10	<b>MLA Dan D'Autremont '12</b> MLA Larry Doke '13 MLA Doreen Eagles '12 MLA Tim McMillan '10 MLA Warren Steinley '13 MLA Randy Weekes '10 MLA Nadine Wilson '10 MLA Gord Wyant '12
<b>Alaska</b> Sen. John Coghill '12 Rep. Anna Fairclough '10 Rep. Eric Feige '12 Rep. Neal Foster '12 Sen. Cathy Giessel '12 Rep. Charisse Millett '13 Rep. Mark Neuman '10 Sen. Bert Stedman '10 Sen. Gene Therriault '10 Rep. Chris Tuck '13 Sen. Bill Wielechowski '10	<b>Kansas</b> Sen. Pat Apple '13	<b>Massachusetts</b> Rep. Thomas Golden, Jr. '12	<b>Michigan</b> Rep. Aric Nesbitt '13 Sen. John Proos '12	<b>Minnesota</b> Sen. John Marty '13 Rep. Will Morgan '13	<b>Montana</b> Rep. Duane Ankney '10 Rep. Pat Connell '13 Rep. Robyn Driscoll '10 Sen. Cliff Larsen '10 Sen. Sue Malek '13 Rep. Mary McNally '13 Sen. Chas Vincent '12 Sen. Ed Walker '13	<b>Nebraska</b> Sen. Chris Langemeier '12	<b>Utah</b> Rep. Stephen Handy '12 Sen. Kevin Van Tassell '12	<b>Washington</b> Sen. Marlyn Chase '12 Rep. Cathy Dahlquist '12 Sen. Jerome Delvin '10 Rep. Deb Eddy '10 Sen. David Frockt '13 Sen. Janea Holmquist '10 Sen. Jim Honeyford '10 Rep. Jim Jacks '10 Sen. Bob Morton '10 Rep. Terry Nealy '12 Sen. Linda Evans Parlette '12 Sen. Kevin Ranker '10 Sen. Phil Rockefeller '10 Rep. Shelly Short '10 Rep. Norma Smith '13 Rep. Gael Tarleton '13 Rep. Dave Upthegrove '12	<b>Wisconsin</b> Sen. Mark Miller '13	<b>Wyoming</b> Rep. Lloyd Larsen '13		
<b>Alberta</b> MLA Cal Dallas '13 MLA Kyle Fawcett '10 MLA Diana McQueen '10 MLA Len Mitzel '10 MLA Len Webber '10	<b>Arizona</b> Sen. Gail Griffin '13 Rep. Frank Pratt '12 Rep. T.J. Shope '13	<b>Colorado</b> Sen. Jeanne Nicholson '13 Sen. Gail Schwartz '12 Rep. Max Tyler '13	<b>Georgia</b> Sen. Ross Tolleson '13	<b>Hawaii</b> Rep. Denny Coffman '12								

*"We have developed a curriculum which provides a foundation for legislators to make better decisions. Instead of having to explain how systems work, infrastructure owners and operators can spend time discussing problems and potential solutions with legislators who have completed the Legislative Energy Horizon Institute."*

Jeff Morris, Director, PNWER's Energy Horizon Project



*"The breadth of information was exceeded only by the depth of knowledge the presenters brought to this forum. I now have a much better understanding of the real world context of our legislative decision-making."*

Assembly Member Kevin Cahill, New York

# Legislative Energy Horizon Institute

## INSTITUTE PARTNERS:

Pacific NorthWest Economic Region

University of Idaho

U.S. Department of Energy

National Conference of State Legislatures

Government of Canada

# Legislative Energy Horizon Institute

*"This has been a phenomenal program. It has given us access to a broad array of information. As we know on energy issues, any decisions we make really impact the future of the energy that is available to the citizens in our state."*

Representative Shelly Short, Washington

An executive certificate program in energy policy designed specifically for state and provincial legislators to provide intensive exposure to the North American energy system.

## CHALLENGE

- High turnover in legislatures decreases institutional knowledge of complex energy issues.

## SOLUTION

- 60-hour certificate program in energy policy planning awarded through PNWER's Energy Horizon Institute and the University of Idaho.

## CURRICULUM

- Operating energy systems and infrastructure.
- Building and financing energy infrastructure.
- Regulation and market impacts.

## COURSE OBJECTIVES

- Provide a concrete understanding of the electric grid and how it operates.
- Describe how the various energy sectors interface to produce and deliver energy.
- Examine the rules and regulation of electric, natural gas, and petroleum infrastructure.
- Explain the regulatory, financial, and planning challenges associated with building new energy infrastructure.
- Apply technical knowledge to implement informed and effective energy policy.
- Analyze the relationship between climate and energy.

*"We are bombarded with various issues—probably nothing more complex than energy and environmental issues and probably nothing more important right now particularly with some of the environmental challenges and economic challenges that we are going through."*

MLA Kyle Fawcett, Calgary

## MAJOR TOPICS

- North American fuel mix: coal, gas, nuclear, petroleum, hydroelectric, and renewables
- Energy alternatives and limitations
- Energy efficiency
- Climate change and environmental considerations
- Imported versus exported energy sources
- Annual energy use by sector
- State policy options and implications
- Federal policy and regulation
- Financing and markets

## PROGRAM DELIVERY

- Two intensive three and one-half day classroom sessions during the course of one year.
- West coast session in Richland, Washington, East coast session in Washington, DC.
- Each cohort consists of 40 legislators from the U.S. and Canada.



*"LEHI has certainly been one of the most valuable and rewarding experiences I have had as a legislator. I believe the states must lead in the development of sensible energy policy, and look forward to applying the knowledge base I've developed from LEHI to that discussion."*

Representative Steve Handy, Utah

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