

**Relevancy and Usefulness of the Content Rating**

Topic	Mean
<b>Boise, Idaho (July 12-15, 2009)</b>	
Electric Power Generation, Transmission & Distribution (Collier)	4.86
Petroleum 101 (Moore)	4.44
Natural Gas Production, Transmission & Delivery (Moore)	4.34
BPA—Energy Industry Challenges (Wright)	4.17
U.S. Energy Situation (Moore)	4.16
Public Policy Impact on Business Decisions (Oldak)	4.11
Independent Power Producers (Rayhill)	3.75
Canadian Gas Overview (Huffaker)	3.71
Global Energy Picture (Nerurkar)	3.67
Canadian Gas Overview (Weilinger)	3.64
Canadian Energy Future (Singh)	3.04
<b>Webinars (September – November, 2009)</b>	
Biodiesel in the U.S. & Canada—An Overview (Neal)	4.14
Smart Meters (Sehgal)	4.00
Biofuel Implementation Issues (Kidd)	3.90
Alberta's Deregulated Electricity Market (Simpson)	3.83
State Regulation of Utilities (Keogh)	3.75
Integrating New Technologies (Oliver)	3.74
Energy Savings & Performance Contracting (Locke)	3.73
<b>San Diego, California (December 9-10, 2009)</b>	
Smart Grid (Christensen)	4.73
Petroleum 401 (Sparano)	4.58
Financing Energy (Meal)	4.31
Energy Efficiency Performance Contracting (Bowen)	4.30
Resiliency and Cascading Failures (Scalingi)	4.26
Financing Energy (Cupparo)	4.12
Challenges & Barriers in Offshore Development (Weinstein)	4.12
Financing Energy (Whitty)	4.04
Integrated Resource Planning (Popoff)	4.00

Rating Scale:  
 Unsatisfactory    Satisfactory    Excellent  
 1                    2                    3                    4                    5

**Washington, D.C. (April 7-8, 2010)**

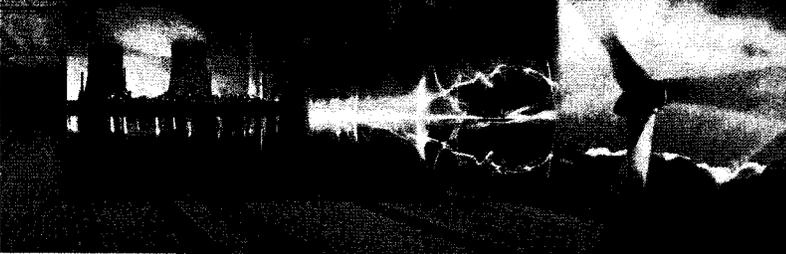
FERC (Moeller)	4.54
NERC (Nevius)	4.23
Nuclear Energy Today and Tomorrow (McGarey)	4.12
The Future of State Utility Regulation (Keogh)	4.50
Department of Energy (Queid)	2.84
Smart Energy—Canadian-U.S. Demonstration (Schnagl)	3.12
Overview of Climate Change Division Activities (Kruger)	4.00
Energy Star Policy and Resources (McNamara)	3.64
Update on Action Plan/SEE Action Resources (Angel)	3.40
Chicago Climate Exchange (Ferretti)	3.67
Overview of Renewable Energy Policy Issues (Clouse)	3.85
Climate Change—A Congressional Perspective (Hayes)	4.12
British Columbia: A Clean Energy Partner (Yamamoto, LePage)	3.96

Rating Scale:

Unsatisfactory	Satisfactory	Excellent		
1	2	3	4	5

# Legislative Energy Horizon Institute

April 7 - 8, 2010  
Washington, D.C.



**INSTITUTE PARTNERS:**  
Pacific NorthWest Economic Region  
University of Idaho  
U.S. Department of Energy  
National Conference of State Legislatures

## Post-Course Knowledge Assessment

**Instructions:** The Legislative Energy Horizon Institute focuses on the following important areas of the energy business environment and utility operations. Please assess your current level of knowledge and your ability to apply that knowledge in each of these areas.

	Very Little Knowledge or Skill	Some Knowledge or Skill	Very High Knowledge and Skill			
	1	2	3	4	5	AVG
<b>Boise Session</b>						
Global Energy Picture .....	0	0	13	12	0	3.36
U.S. Energy Situation .....	0	0	9	16	0	3.64
Petroleum 101 .....	0	0	7	14	3	3.83
Canadian Energy Future-Prospects with Fossil Fuels .....	0	0	7	16	2	3.80
Natural Gas Production, Transmission & Delivery .....	0	0	6	15	4	3.92
Canadian Gas Industry .....	0	2	12	10	1	3.40
Electric Power Generation, Transmission & Distribution .....	0	0	5	17	3	3.92
Energy Industry Challenges .....	0	0	6	15	3	3.88
Alternative Energy Sources .....	0	0	6	15	3	3.88
Public Policy Impact on Business Decisions .....	0	0	8	14	3	3.80
Independent Power Producers .....	0	3	14	6	1	3.21
<b>Webinars</b>						
State Regulation of Utilities .....	0	1	15	6	2	3.38
Bio Fuels .....	0	1	10	13	0	3.50
Cutting Edge Energy Efficiency/Conservation .....	0	1	10	12	1	3.54
Integrating New Technologies .....	0	2	11	11	0	3.38
Smart Meters .....	0	0	10	14	0	3.58
Alberta's Deregulated Electricity Market .....	0	5	12	6	1	3.13
Energy Savings & Performance Contracting .....	0	2	13	8	1	3.58
<b>San Diego Session</b>						
Smart Grid: Concepts & Issues .....	0	0	11	11	3	3.68
Petroleum 401 .....	0	1	9	13	2	3.64
Financing Energy .....	0	2	17	5	1	3.20
Integrated Resource Planning .....	0	1	13	10	1	3.44
Resiliency & Cascading Failures .....	0	1	16	8	0	3.28
<b>Washington, D.C. Session</b>						
Regulatory Complexity (agencies, roles, responsibilities) .....	0	1	14	9	1	3.40
North America's Energy Competition .....	0	2	9	14	0	3.48
NERC .....	0	1	16	7	1	3.32
Nuclear Energy Today & Tomorrow .....	0	1	15	6	3	3.44
Future of State Utility Regulation .....	0	2	14	7	1	3.29

Chicago Climate Exchange .....	0	0	2	14	9	3.28
Climate Change – Congressional Perspective .....	0	2	8	12	3	3.64
Electricity Delivery & Energy Reliability .....	0	1	9	12	1	3.57

**Supplementary Questions:**

**What topic areas did you like the most?**

- I loved it all. Everything from learning the basics on electricity from day one to regulating the energy economy was great. I especially loved learning about the challenges and future issues, such as transmission reliability, wind integration, energy efficiency technologies, SmartGrid concepts, synchrophasor applications, etc.
- Skip Collier was the best!! The 3 themes of Boise, San Diego, and Washington DC worked well.
- Interface of Energy and Climate policies and challenges. Alternative Energy Development, Incentives and Barriers.
- Nuclear Energy. Energy Reliability.
- Basic electric grid-generation and transmission.
- I appreciated learning more about electric generation and distribution.
- Nuclear issues, Electrical Transmission.
- Petroleum 101 & Natural Gas.
- Boise Electricity Program followed by US Energy Situation.
- Electricity, petroleum. How it works.
- Renewables, electrical infrastructure, Smart Grid presentation, NERC-good speaker.
- Info about US Energy Supply.
- Global energy, integrated resource plan.
- Petroleum. Electric power generation trans. and distr.
- Basic background on electricity (how it works/why it works/what are potential limitations/risks).
- US Energy Situation. Nuclear Energy.
- Energy industry challenges; future of state regulatory challenges; public policy impact on energy; US energy situation.
- I loved all of the info about how power is generated and delivered—the “101” nuts and bolts of how things work. NARUC presentation was great. Info on renewables and its limitations was helpful. And I definitely enjoyed the climate change presentations.
- Boise session-Pet 101 and all electric generation. Bio fuels. Climate Change.
- Boise topics. Basic of how everything works.
- It was good to get the technical background on the electricity sector.

**Do you have suggestions for additional topics?**

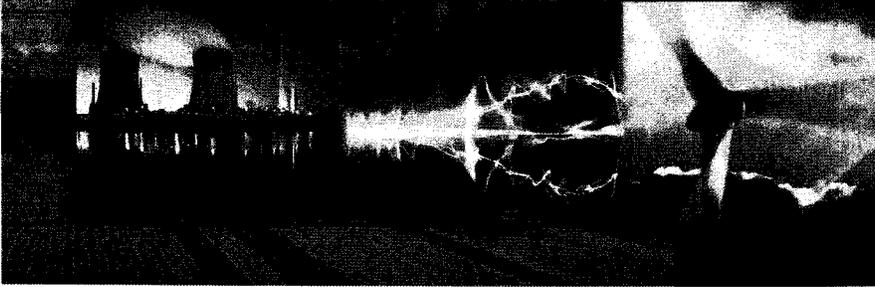
- Energy siting, emergency planning, international markets.
- More energy reliability accountability.
- Excellent coverage of the issues—introduction to many many issues that legislators should know.
- Visit oil and gas production sites and generation sites.
- More particular development of a)smart grid specifics, b)utility policy challenges historical vs. emerging, and c)different states: different laws or resources.
- More on decoupling, conservation incentives, more factual info on nuclear energy—perhaps by an academic.
- More Canadian input.
- Reliability of information and research on climate change with more emphasis on the “other” view.
- Less bureaucrats.
- Energy/Electric Power generation transmission and distribution. Smart Grid. Energy efficiency.
- Sharing ideas for legislation and best practices amongst the different states and provinces.
- Alternative perspectives on validity of AGW.
- More finance and economics of projects (macro and micro).

**General comments:**

- Thank you for this opportunity. I would love to receive future information regarding energy issues to continue my education!

- At the beginning I think I knew nothing. Now I feel like I know “something”. I certainly do not feel like an “expert”. This experience was tremendous! Well done.
- Great experience overall! Grateful to sponsors and Rep. Morris for visioning and organizing this training, as well as kudos to US DOE and NCSL, PNWER and University of Idaho.
- A most memorable experience.
- Great program. I was extremely impressed by the caliber of the speakers.
- Stress that the elected officials need to make tough decisions to make sure the energy system is reinforced. We all talked about critical infrastructure—pipeline, transmission line, generation constraints that need to be taken care of. We need to educate constituents about the need.
- Enjoyed very much the knowledge gained by the presentations and webinars. Very lucky to have been a part of the first graduating class of the Legislative Energy Horizon Institute!
- Great training and my knowledge level has certainly increased and benefits exceeded my expectations.
- The content and presentations were blue ribbon. The policy efforts were critical to my role and will be enduring in value to me and my Montana constituents! My brain has been on fire! Thanks very much to UI and all the PNWER staff!
- Some really good content. Worst were skills for industry—policy makers and factual info to make policy decisions.
- I will recommend this to my colleagues to attend.
- Good general overview which will help me personally as representative and legislator.
- Valuable information—thank you.
- Excellent—for 1<sup>st</sup> go! I will be encouraging our Province to continue involvement.
- Thank you for this opportunity.
- I am Very pleased that I did this.
- I liked the way the entire training was structured.
- I think some speakers should have been better prepped about how their areas of expertise pertain to our jobs as state legislators. More reading material in advance of sessions would be helpful.
- Very good sessions—the in-person work much better than webinars. All of the institute partners/presenters/organizers did an amazing job. Thank you so much. Would prefer 2 sessions (one US, one Canada).
- DC presenters were the weakest providing the least useful info.

# Legislative Energy Horizon Institute



## INSTITUTE PARTNERS:

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

## Measured Learning Results

	Pre-Course AVG	Post-Course AVG	Knowledge Gain
<b>Boise Session</b>			
Global Energy Picture .....	2.92	3.36	+13%
U.S. Energy Situation .....	2.97	3.64	+18%
Petroleum 101 .....	2.77	3.83	+28%
Canadian Energy Future-Prospects with Fossil Fuels .....	2.12	3.80	+44%
Natural Gas Production, Transmission & Delivery.....	2.47	3.92	+37%
Canadian Gas Industry.....	2.70	3.40	+21%
Electric Power Generation, Transmission & Distribution .....	2.66	3.92	+32%
Energy Industry Challenges .....	3.00	3.88	+23%
Alternative Energy Sources.....	3.26	3.88	+16%
Public Policy Impact on Business Decisions.....	2.91	3.80	+23%
Independent Power Producers.....	2.77	3.21	+14%
<b>Webinars</b>			
State Regulation of Utilities .....	2.49	3.38	+26%
Bio Fuels .....	2.69	3.50	+23%
Cutting Edge Energy Efficiency/Conservation .....	2.72	3.54	+23%
Integrating New Technologies.....	N/A	3.38	N/A
Smart Meters.....	N/A	3.58	N/A
Alberta's Deregulated Electricity Market .....	N/A	3.13	N/A
Energy Savings & Performance Contracting .....	N/A	3.58	N/A
Renewables and the Grid .....	2.55	N/A	N/A
<b>San Diego Session</b>			
Smart Grid: Concepts & Issues .....	N/A	3.68	N/A
Petroleum 401 .....	2.19	3.64	+40%
Financing Energy.....	2.31	3.20	+28%
Integrated Resource Planning .....	N/A	3.44	N/A
Resiliency & Cascading Failures .....	N/A	3.28	N/A
Climate Change and Energy.....	3.14	N/A	N/A
<b>Washington, D.C. Session</b>			
Regulatory Complexity (agencies, roles, responsibilities) .....	2.42	3.40	+29%
North America's Energy Competition.....	2.29	3.48	+34%
NERC .....	N/A	3.32	N/A
Nuclear Energy Today & Tomorrow .....	N/A	3.44	N/A
Future of State Utility Regulation.....	N/A	3.29	N/A
Chicago Climate Exchange.....	N/A	3.28	N/A
Climate Change – Congressional Perspective.....	N/A	3.64	N/A
Electricity Delivery & Energy Reliability.....	N/A	3.57	N/A