

2nd Annual

# NORTHEAST B.C. NATURAL GAS SUMMIT

September 29 - 30, 2010 | The Metropolitan Centre | Calgary

## PROGRAM CHAIRS



**Chris W. Sanderson, Q.C.**  
Partner  
*Lawson Lundell LLP*  
(Vancouver)



**Lewis L. Manning**  
Partner  
*Lawson Lundell LLP*  
(Calgary)

## KEYNOTE SPEAKERS



**Dan Allan**  
Chairman  
*Canadian Society for*  
*Unconventional Gas*



**Richard Dunn**  
VP, Regulatory and  
Government Relations  
*Canadian Division,*  
*EnCana Corporation*



**Douglas P. Bloom**  
President, Spectra Energy  
*Transmission West*  
*Spectra Energy*



**Alex Ferguson**  
Commissioner and CEO  
*BC Oil and Gas*  
*Commission*



**Stephen Clark**  
VP, Commercial West  
*Canadian and Eastern*  
*U.S. Pipelines*  
*TransCanada*



**Greg B. Weeres**  
VP Operations  
and Engineering  
*Pacific Northern Gas Ltd.*

## Conference Highlights:

- Successes and challenges for exploration and development of B.C.'s shale gas
- Unconventional shift - regulatory update from Victoria
- The impact of the new *Clean Energy Act*
- Shale gas offshore markets and LNG opportunities
- Producers' perspective in the new economic environment
- Maintaining a competitive fiscal and regulatory regime
- Balancing B.C.'s natural gas growth while reducing greenhouse gas emissions
- Key pieces of infrastructure
- Environmental assessment processes
- Carbon management opportunities
- Market dynamics specific to B.C. shale gas
- Treaty vs. non treaty - how B.C. practices may be different from Alberta
- Newest developments in connecting gas supplies to markets
- Fracing and environmental dilemmas

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An **ALM** Event

Dear Colleague:

Unconventional natural gas production from NE British Columbia represents a unique opportunity for Canada to further diversify its economy and establish itself as a significant, independent player in the North American natural gas industry.

The reserves in the ground are enormous by any standard and recent technological developments have made those reserves accessible in a way that is attracting major interest from industry. This **Insight Information** conference will explore what this potential is, what markets the gas can hope to penetrate, the policies B.C. is establishing to encourage development and the efforts that are being made and will need to be made to provide key infrastructure. The program will allow those who are already involved in the area the opportunity to learn about the latest developments in government policy, regulatory and judicial decisions affecting projects and infrastructure.

For those not yet active in the area, the conference will give a timely overview of all aspects of this exciting opportunity. For lawyers with clients operating in these areas, there will be an intensive workshop focusing on the legal issues that are prominent in N.E. B.C. development including the extent to which B.C. should be considered a distinct legal environment when it comes to developing its natural gas potential.

The conference sessions will give you an in-depth analysis of these issues and an opportunity to express your own points of view and network with your colleagues.

You will be able to address your questions to the speakers during each session or informally at break times. All attendees will receive conference materials, prepared by the speakers, which should be a lasting and valuable resource for you following the event.

Sincerely,



Chris W. Sanderson, Q.C.  
Partner  
Lawson Lundell LLP (Vancouver)



Lewis L. Manning  
Partner  
Lawson Lundell LLP (Calgary)

## Who Should Attend

The program will have most direct appeal to:

Executives from:

- Oil and Gas Companies
- Gas Storage and Gas Transmission Companies
- Oil and Gas Service Companies
- Gas Distribution Companies
- Petroleum Landmen
- Governmental/Regulatory Bodies
- Geophysical and Drilling Contractors
- Geological, Environmental and Engineering Consultants
- Gas Production Managers and Engineers
- Gas Producers
- Power Generators
- Pipeline Construction Companies and Pipeline Specialists
- Energy Marketers
- Northern JV Specialists
- Aboriginal Groups
- Northern Community Relations Coordinators
- Land Administrators and Area Regulators
- Lawyers and In-house Counsel
- Investors and Financial Officers

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# Wednesday, September 29, 2010

8:00

## Registration and Coffee

9:00

## Welcoming Remarks from Insight Information

9:05

## Opening Remarks from the Co-Chairs

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**Chris W. Sanderson, Q.C.**

*Partner*

*Lawson Lundell LLP (Vancouver)*

**Lewis L. Manning**

*Partner*

*Lawson Lundell LLP (Calgary)*

9:15

## Unconventional Shift - A View from Victoria

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**Alex Ferguson**

*Commissioner and CEO*

*BC Oil and Gas Commission*

- Regulatory update
- *Oil and Gas Activities Act* - post-implementation
- Shale gas - activity levels and production in the Horn River and Montney
- Next steps for the *B.C. Oil and Gas Commission*

10:00

## Networking Coffee Break

*Sponsored by*



10:15

## Examining the Successes and Challenges to Exploration and Development of B.C.'s Shale Gas

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**Christopher M. Adams**

*Oil and Gas Specialist*

*BC Ministry of Energy, Mines and Petroleum Resources*

*Oil and Gas Division*

*Resource Development and Geoscience Branch*

- Update on natural gas production, reserves and resources in NE B.C.
- Sector indicators - drilling, land sales, investment in B.C.
- Conventional, tight gas and shale gas activity by region

- New potential growth areas: northern Montney, Foothills, Liard Basin, and new shale plays in northeast B.C.

11:00

## The Goals and Challenges of Unconventional Gas Development - Producers' Perspective

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**Dan Allan**

*Chairman*

*Canadian Society for Unconventional Gas*

This presentation will focus on the broad process for determining the viability of developing unconventional natural gas. The methodology used for assessment of this important resource will be discussed along with many of the issues that must be addressed in order to achieve commercial development.

**Phillipe Gauthier**

*Manager Onshore Canada Exploration*

*Shell Canada Limited*

- Encouraging British Columbia to maintain a competitive fiscal and regulatory regime
- Finding the right balance between growing British Columbia's natural gas sector while reducing the industry's greenhouse gas emissions and finding ways to bring down the costs through partnerships on solutions like CCS and electrification
- Working collaboratively on local, social, economic and environmental issues

**Jim Stannard**

*Vice-President, Engineering*

*Progress Energy Resources Corporation*

- Update on the current status of Progress' Montney activity in Foothills Area
- Lessons learned from early development
- Comparison of the play to other resource plays
- Future development plans for the play

12:30

## Networking Luncheon

1:30

## KEYNOTE LUNCHEON PRESENTATION

### The Impact of the New Clean Energy Act

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**Speaker to be announced**

2:00

## Is B.C. Shale Gas Competitive vs. Conventional Frontier Gas?

**Gerry Goobie**

*Senior Principal  
Purvin & Gertz, Inc.*

- Economic and price outlook
- Canadian natural gas supply and demand outlook
- Shale gas and LNG in the supply mix
- Global gas market dynamics

2:45

## Networking Refreshment Break

3:00

## Key Pieces of the Infrastructure

**Richard Dunn**

*Vice-President, Regulatory and Government Relations  
Canadian Division  
EnCana Corporation*

Cabin Gas Plant:

- Area processing / infrastructure plans
- Environmental assessment process / commitments
- Carbon management opportunities

**Doug Little**

*Vice President Economic and Business Development  
BC Hydro*

- Potential for expansion of electricity grid to facilitate gas processing in NE B.C.
- Opportunities for electrification of *Horn River Basin*
- Linkages to mitigating or avoiding green-house gas emissions

4:30

## Conference Adjourns for the Day

# Thursday, September 30, 2010

8:15

## Coffee

9:00

## Workshop on B.C. Legal Issues

**S. Bradley Armstrong, Q.C.**

*Partner  
Lawson Lundell LLP (Vancouver)*

**Chris W. Sanderson, Q.C.**

*Partner  
Lawson Lundell LLP (Vancouver)*

• *The Clean Energy Act*

• Equivalency of federal and provincial review processes

• Developments in consultation obligations:

- current *Supreme Court of Canada* cases
- best consultation practices

• Treaty vs. non treaty and recent examples to illustrate how B.C.'s practice may be different from Alberta

10:45

## Networking Coffee Break

*Sponsored by*



11:00

## Connecting Gas Supplies to Markets

**Douglas P. Bloom**

*President, Spectra Energy Transmission West  
Spectra Energy*

- The growth of unconventional gas - getting new gas to market
- Leveraging and growing existing gas infrastructure in B.C.
- Getting it right - key development issues for industry and stakeholders

**Stephen Clark**

*Vice President, Commercial West  
Canadian and Eastern U.S. Pipelines  
TransCanada*

- The role of the WCSB and northern gas in the North American gas supply mix
- Implications for new and existing gas transmission infrastructure
- TransCanada initiatives

**Greg B. Weeres**

*Vice President Operations and Engineering  
Pacific Northern Gas Ltd.*

The presentation will provide an update on the *Kitimat-Summit Lake* pipeline project structure, development and timelines.

**Tony Straquadine**

*Government Affairs Manager  
Alliance Pipeline*

- Connecting B.C. supply
- Capital avoidance
- The future - services

1:00

## Networking Luncheon

2:00

## Fracing and Environmental Dilemma - Views From and Outside of Canada

*Networking Refreshment Break will be announced*

### Dr. C.D ('Lyn) Anglin

*President and Chief Executive Officer  
Geoscience B.C.*

### Brad J. Hayes

*President  
Petrel Robertson Consulting Ltd.*

### David Molinski

*Principal, OnPoint Consulting Inc. (Victoria, B.C.)  
Former Assistant Deputy Minister, MEMPR*

Minimizing impacts on surface and ground water of shale gas development in NE B.C. and facilitating orderly development of these unconventional gas resources in consultation and collaboration with industry, government, communities and First Nations.

- Increasing demand for water for hydraulic fracturing (fracing) and the need for sites for the deep disposal of fluids
- Ensuring that water sources are not adversely affected by the development
- Water sources in each play area include:
  - surface water bodies (lakes, streams and rivers)
  - shallow aquifers in unconsolidated sediments (e.g. glacio-fluvial deposits)
  - bedrock aquifers - each water source has different characteristics
- Phase 1 of the Geoscience B.C. (GBC) study of subsurface aquifers in the Horn River Basin (HRB) in partnership with the HRB Producers Group
- Developing a Phase 2 HRB project to inventory and assess the surface water resources in the HRB

- Initiating a new Montney Water Project (MWP) to provide a comprehensive baseline of water sources and potential deep disposal regimes associated with the Montney shale gas play

### Burt A. Waite

*Senior Geologist and Program Director  
Moody and Associates Inc. (Meadville, Pennsylvania)*

## Marcellus Shale Development Water Issues - Focusing on Pollution Prevention

- Turbidity in water wells
- Stray gas issues
- Water protection and draft revisions to the Pennsylvania Oil and Gas Regulations
- Fracing and water impacts
- Presumption of Quilt
- Pre-drill water supply surveys (quantity and quality)

### Peter Duncan

*Founder and President  
MicroSeismic Inc.*

The presentation will discuss the following trends:

- An appreciation for the importance of frac monitoring to a successful campaign is growing
- Operators want to monitor more of their wells, but cost is a factor
- New approaches to monitoring are driving unit costs down
- At the same time the amount of information being squeezed from the data is increasing

4:30

## Closing Remarks by Co-Chairs

4:45

## Conference Ends

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Signature Date

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