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Premier, Yukon*

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Northern Pipeline Project  
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Bill Gallagher, LLB

Fraser Milner Casgrain

Northern Gas Pipelines

# 3rd Annual Calgary ARCTIC GAS SYMPOSIUM

*Tapping Into the Opportunities  
of Arctic Production and Infrastructure*

**Thursday and Friday, March 6 and 7, 2003**

**The Hyatt Regency Hotel — 700 Centre Street South, Calgary**

**Get the critical updates you need to refine your Arctic strategy, including:**

- Bright future: current estimates and potential for new resources in the Arctic
- Estimated time of arrival: when will pipeline construction begin and first gas come on stream?
- Will the Alberta Hub be able to handle, absorb and redirect the gas being brought on by the new pipelines?
- The current status of Aboriginal land claims in the North
- An update on regulatory harmonization efforts to improve efficiency, increase certainty and avoid risks

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## IN BOARDROOMS FROM THE ARCTIC TO THE LOWER 48 CRITICAL DECISIONS ARE BEING MADE AND KEY PLAYERS ARE CRAFTING THEIR STRATEGIES — WHAT'S YOURS?

After much anticipation, it appears that construction on the first Arctic gas pipeline is approaching quickly, bringing with it tremendous opportunity for continental supply, infrastructure and economic growth for the region. And, as the pipeline vision moves closer to a reality, talks continue seeking resolution for ongoing aboriginal land claim issues and pipeline regulatory challenges facing the region. On the production front, all indications point to a rise in drilling activity in the north. The Arctic is on the brink of major development — and when it happens, it will happen fast.

Following the success of the first and second Arctic Gas Symposium, this **Third Annual Canadian Institute** conference will explore critical developments in the Arctic natural gas industry. Once again, this dynamic conference brings together industry leaders and experts to provide you with the information you need to capitalize on business opportunities as they arise and gain a competitive edge in the market. You will hear the very latest developments in:

- Producer commitments to drilling activity over the next five years
- How competition for pipeline development is shaping up in the region
- Expected supply and demand from the Arctic fields and what the current factors are driving demand

- Potential impact and implications of a Mackenzie Valley pipeline on North America
- Pipeline projects and Aboriginal land claim concerns: what resolutions have been gained over the past year?
- Key requirements to create and sustain beneficial joint venture agreements with industry, Aboriginal groups and government
- What the Canadian government is doing to streamline the pipeline regulatory process in the north
- The availability of sufficient labour to support projects of this magnitude
- Achieving environmental approvals for new pipeline developments

In this rapidly developing business environment, having the most current information is vital. Don't miss this invaluable opportunity to get the latest updates.

This symposium sold out two years in a row — be sure to register now for 2003. Call toll-free **1-877-927-7936**, in Toronto **416-927-7936**, or register online at [www.CanadianInstitute.com](http://www.CanadianInstitute.com).

## HEAR FROM THESE INDUSTRY LEADERS AND EXPERTS

### CONFERENCE CHAIR

*Bill Gallagher, LLB*

### KEYNOTE SPEAKER

*The Honourable Dennis Fentie*  
Premier, Yukon

### SPEAKERS:

*Roland George*  
Principal, Purvin & Gertz, Inc.

*Randy Ottenbreit*  
Development Executive  
Mackenzie Gas Project  
Imperial Oil Resources

*John Carruthers*  
Director, Alaska-Canada Pipeline  
BP Alaska-Canada Gas

*Martin Wichert*  
Development Team Leader -  
Mackenzie and Alaska, Petro-Canada

*Dave Harbour*  
Publisher, Northern Gas Pipelines

### *Jeff Rush*

Vice President, Business Development  
TransCanada PipeLines Ltd.

### *Brad Reese*

Senior Vice President  
Northern Development  
Duke Energy Gas Transmission

### *Fred Carmichael*

Chairman, Aboriginal Pipeline Group  
and President, Gwich'in Tribal Council

*Honourable Dr. Harvie Andre*  
Chairman, ArctiGas Resources Corp.

### *Judy Gingell*

President, Kwanlin Development Corp.

### *Rob Hunt*

Senior Vice President, Akita Drilling

### *James Duncan*

Manager Natural Gas Marketing Analyst  
ConocoPhillips Inc.

### *Calvin Brackman*

Senior Resource Economist, Wildlife  
& Economic Development, Minerals,  
Oil and Gas, Northwest Territories

### *Mike Nadli*

Chief, Deh Cho First Nations

### *Rick O'Brien*

Chief, Kwanlin Dun First Nation

### *Peter Clarkson*

Mayor, Town of Inuvik

### *Richard Neufeld*

Partner, Fraser Milner Casgrain

### *Bonnie Gray*

Professional Leader of Environment  
National Energy Board

### *Vern Christensen*

Executive Director, Mackenzie Valley  
Environmental Impact Review Board

### *Bob Wooley*

Executive Director  
Mackenzie Valley Land and Water Board

### *Doug Anguish*

Project Manager, Northern Pipeline Project

### *Alan MacDonald*

President, Inuvialuit  
Environmental and Geotechnical

### *Brian D. Fraser*

Manager, Business Development  
Shehtah Drilling

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Thursday, March 6, 2003

8:00 Registration Opens — Coffee Served ☞

9:00 Opening Remarks from the Chair

*Bill Gallagher, LLB*

9:25 Visions for the North: Building a Strong Future for Arctic Gas

Keynote Speaker

*The Honourable Dennis Fentie  
Premier, Yukon*

10:00 Networking Coffee Break ☞

10:15 Producer Perspectives:  
The Latest on Exploration  
Activities and Proposed Pipelines

Moderator:

*Roland George, Principal, Purvin & Gertz, Inc.*

Panel:

*Randy Ottenbreit, Development Executive  
Mackenzie Gas Project, Imperial Oil Resources*

*John Carruthers, Director, Alaska-Canada  
Pipeline, BP Alaska-Canada Gas*

*Martin Wichert, Development Team Leader —  
Mackenzie and Alaska, Petro-Canada*

*As Mackenzie Valley and Alaska gas commercialization become a reality for the Arctic, and producers embark on the next steps to establishing an actual pipeline route, the burning question among industry leaders continues to be "when will it all happen?" At what stage is the process? And, do we really have enough gas to supply these pipelines? Get the latest updates from key players in the Mackenzie Valley and Alaska.*

- Update on the Mackenzie Valley and the Alaska routes
  - timeline for when pipelines could be built
  - what hurdles still need to be overcome?
- Current level of drilling in the region and plans for developing Mackenzie Delta discoveries
- How much potential exists for new resources?
- When will drilling activity pick-up, and what is the commitment to drilling in the next 5 years?
- Current budget level for exploration in the region
- Has the price of natural gas had any effect on drilling activity?
- Effects of U.S. energy policy on the projects

11:45 Natural Gas Supply/Demand Forecast for North America and Impact on Arctic Gas Developments

*James Duncan, Manager Natural Gas Marketing Analyst, ConocoPhillips Inc.*

- An analysis of supply and demand in North America in the long and short-term

- How much supply is expected from the Arctic fields and has this changed?
- Has there been a decrease in demand over the past year? What are the current factors driving demand?
- What impact has gas price volatility over the past 12 months had on Arctic gas pipeline projects?
- A pricing scenario: production and delivery cost comparison at AECO C for Prudhoe Bay and Mackenzie Delta gas
  - in an Alaska Highway pipeline
  - in a Mackenzie Valley pipeline
- Supplying demand through the hub: will AECO C be able to handle, absorb and redirect the gas being brought on by the new pipelines?
- Impact of the current economic downturn on the proposed pipeline projects
- How much demand is expected from the U.S. economy?
- Timing of available supply: when will Arctic gas be available?
- Availability of alternatives to Arctic gas
  - LNG
  - Coalbed methane

12:30 Networking Luncheon for Delegates and Speakers 

1:45 Jockeying for Position: How the Proposed Pipeline Projects and Route-on-Route Competition Are Shaping Up in the Arctic

Moderator:

*Dave Harbour, Publisher, Northern Gas Pipelines*

Panel:

*Jeff Rush, Vice President, Business Development  
TransCanada PipeLines Ltd.*

*Brad Reese*

*Senior Vice President, Northern Development  
Duke Energy Gas Transmission*

*Fred Carmichael, Chairman  
Aboriginal Pipeline Group and President  
Gwich'in Tribal Council*

*Honourable Dr. Harvie Andre  
Chairman, ArctiGas Resources Corp.*

*With potential new pipelines coming on stream, and political and regulatory activity beginning to take shape, the dynamics of the North American pipeline grid are about to become increasingly complex — and competitive. Find out who's doing what from competing and collaborating pipeline companies in the region.*

- Timeline scenarios: when could pipeline project construction begin in the Arctic and when would first gas come on stream?
  - Mackenzie Valley/Delta Route
  - Alaska Route
- What stage are the projects at and how will they be expedited?
- Role of the governments in the pipeline process
- What challenges have yet to be worked out? Have any key issues been decided?
- Have there been any effects from the stepping back of the Alaska pipeline consortium in the Alaska pipeline development process?

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Friday, March 7, 2003

- Who has actually submitted proposals?
- Is the "over-the-top" route still a viable option?
- What will be the larger scale impact on the North American pipelines grid of one or two Arctic pipelines coming on stream?

**3:15 Networking Refreshment Break**

**3:30 Aboriginal and Industry Readiness for Joint-Venturing**

**Judy Gingell**  
President, Kwanlin Development Corp.

**Rob Hunt**  
Senior Vice President, Akita Drilling

*The Kwanlin Development Corporation has made it clear — it's ready for business partnerships. The corporation has developed the Pipeline Engagement Strategy that will be used as a guide for industry collaboration on the proposed Alaska Highway pipeline route. Akita Drilling has been successfully joint venturing since 1983. Hear from Judy Gingell on why her organization took this progressive, proactive step and where she hopes it will take the Kwanlin people, and from Rob Hunt on the strategies employed at Akita that have translated into successful joint venture agreements.*

- Creating a climate for success: background on the Pipeline Engagement Strategy
- Determining crucial goals and objectives of potential joint ventures
- Targeting key issues important to the community and ensuring they are addressed
  - environmental considerations
  - training and long-term employment
  - community business opportunities
- Identifying and targeting potential business partners
- Sustained development: the keys to longevity in a joint venture agreement

**4:30 Economic Growth, Prosperity and New Opportunities: Impacts of the Mackenzie Valley Pipeline on the Northern Frontier**

**Calvin Brackman, Senior Resource Economist**  
Wildlife & Economic Development  
Minerals, Oil and Gas, Northwest Territories

*The proposed Mackenzie Valley pipeline project could put the North on a path to greatly enhanced economic growth. Calvin Brackman will provide a comprehensive projection of the new economic environment that could emerge from the Arctic opportunity.*

- Assessing the potential impact and implications of a Mackenzie Valley pipeline and gas development on the NWT and Canadian economy
- How northern gas development will fit into the northern gas market
- Examining the risks faced by northern gas development: an analysis of economic, regulatory, financial, geological, and market impacts

**5:15 Chair's Recaps — Conference Adjourns**

**Networking Cocktail Reception** 

**9:00 Opening Remarks from the Chair**

**9:15 Overcoming Obstacles To Create Mutually Beneficial Relationships with Industry, Government and Aboriginal Communities in the North**

**Moderator:**

**Bill Gallagher LL.B**

**Panel:**

**Fred Carmichael**  
Chairman, Aboriginal Pipeline Group  
and President, Gwich'in Tribal Council

**Mike Nadli**  
Chief, Deh Cho First Nations

**Rick O'Brien**  
Chief, Kwanlin Dun First Nation

**Peter Clarkson, Mayor, Town of Inuvik**

- The current status of land claims in the North
  - what issues have been solved over the past year?
  - what issues are still outstanding and what steps are being taken to resolve them?
- Regional concerns: how concerns about the proposed pipeline projects differ across Aboriginal communities and regions
- Creating a common voice among Aboriginal groups: what needs to be done?
- Has the complexity of land claim issues been a deterrent for new opportunities in the region?
- Is there a willingness to compromise in order to better facilitate the process for the development of proposed new pipelines in the region
- Creating and sustaining beneficial joint venture agreements with industry: how can this be better achieved?
- A work in progress: reducing the impact of new developments within northern communities
- Do northern communities have the infrastructure and capacity to assist resource developments?
- Short and long-term ways government, industry and communities can work together
- The "boom" times: what changes have occurred in northern communities during a time of growth and prosperity?

**10:45 Networking Coffee Break** ☞

**11:00 Update on Environmental Assessment and Regulatory Coordination Initiatives for an Arctic Pipeline**

**Moderator:**

**Richard Neufeld**  
Partner, Fraser Milner Casgrain

**Panel:**

**Bonnie Gray**  
Professional Leader of Environment  
National Energy Board

**Vern Christensen**  
Executive Director, Mackenzie Valley  
Environmental Impact Review Board

**Bob Wooley, Executive Director**  
Mackenzie Valley Land and Water Board

- What is the Canadian government doing to streamline regulatory process? An update on efforts being made towards regulatory harmonization
- How is legislation developing on a regional basis?
- What steps are being taken to improve regulatory efficiency, avoid duplication, increase certainty and avoid risks?
- What is the role of Aboriginal groups in the environmental assessment and regulatory processes?
- How do land claim settlements impact a major pipeline project?

**12:15 Networking Luncheon  
for Delegates and Speakers**



**1:30 Effective Planning and  
Resource Management for  
Successful Construction  
of the Arctic Mega-Project**

**Doug Anguish**  
Project Manager, Northern Pipeline Project

- The status of North American steel availability for an Arctic pipeline
  - what would be the impact of two pipelines going ahead?
- Procuring resources, labour, materials and transport in the region: what steps have been put in place to ensure that access to resources will not hinder development and delay projects
- What role will the Arctic environment play in construction of the pipelines?
- Overcoming the challenges caused by extreme conditions that have the potential to delay project work
- Is there enough labour availability to support projects of this size?
- Construction expertise and practicalities for Arctic conditions
- Identifying and dealing with union and non-union labour issues
- The impact of a shrinking pipeline contractor sector

**2:30 Networking Refreshment Break**

**2:45 Achieving Balance:  
Successfully Managing Aboriginal  
Land Issues and Cultural and  
Environmental Impacts During the  
Development of the Northern Projects**

**Alan MacDonald, President**  
Inuvialuit Environmental and Geotechnical

**Brian D. Fraser, Manager**  
Business Development, Shehtah Drilling

*The construction of Arctic pipelines will have significant consequences for Aboriginal groups in the area. While the projects will generate an opportunity for much needed economic development across the*

*North, they could also expose Aboriginal communities to environmental, social, cultural and spiritual intrusions that could ultimately change their way of life. In this session, hear from two key Northern companies on how to keep business in balance with the Northern way of life.*

- Determining the cumulative effects of a number of projects on Aboriginal way of life
- Defining the limits of projects and assessments
  - how far should impact be assessed?
  - how much will the land change?
- What are the challenges in getting environmental approval for pipeline development?
- What has been learned so far and which areas still need discussion?
- Understanding the differences in perception of environment between industry and Aboriginal peoples
- Identifying key environmental concerns of all partners
- Communicating and consulting on environmental issues with local communities

**4:00 Chair's Recap  
Conference Adjourns**

**WHO SHOULD ATTEND**

**Executives in the areas of: Frontier/Northern Development, Exploration, Land, Aboriginal Affairs, Production, Business Development, Strategic Planning, Corporate Development, Operations, Regulatory Affairs, Gas Transmission, Environmental, Finance, Analysts and Economists from:**

- Natural Gas Producers
- Pipelines
- Aboriginal Groups
- Energy Marketers
- Gas Distribution Companies
- Gas Storage Companies
- Drilling Companies
- Governmental/Regulatory Bodies
- Pipeline Construction Companies
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3rd Annual Calgary

# ARCTIC GAS SYMPOSIUM

*Tapping Into the Opportunities of Arctic Production and Infrastructure*

Thursday and Friday, March 6 and 7, 2003  
The Hyatt Regency Hotel — 700 Centre Street South, Calgary



From: **The Canadian Institute**  
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