

7th Annual

# WATER and LAND MANAGEMENT SUMMIT

October 3 - 4, 2011 | TELUS Convention Centre | Calgary



Regional planning processes are underway and these plans promise to change the shape of the future in water and land management. Don't miss this opportunity to hear our distinguished faculty share their insights on new standards and policies for sustainable water and land management. This is your chance to learn about the long-term strategies that consider planning frameworks, raised stakeholder expectations and the requirement for sustainable development.

#### Conference highlights include:

- New standards of monitoring programs
- New policies and challenges in sustainable water management
- The *Capital Region Growth Plan* - land use planning for the future
- Aboriginal water & land management challenges and success stories
- Requirements for land use and new power of provincial government
- Compensation entitlements to property holders and resource users
- Alberta's wet areas mapping initiatives - regulatory and business solutions
- Land use impacts from Alberta's multi-billion dollar high voltage transmission line
- Opportunities for improvement in water allocation and management
- Case study from Suncor Energy - the OSLI Regional Water Management Project

#### PROGRAM CO-CHAIRS

**Bill Berzins, M.A.Sc. P.Eng.**  
*Fossil Water*

*Alberta Water Research Institute  
Alberta WaterPortal*

**Richard C. Secord, B.A., LL.M.**  
*Ackroyd LLP*

#### KEYNOTE ADDRESSES

##### Urban and Rural Watershed Challenges

**Dr. Hans Schreier**  
*Professor  
University of  
British Columbia*



##### Balance Between the Environment and Oil Sands

**Don Thompson**  
*President  
The Oil Sands  
Developers Group*



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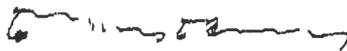
Alberta has introduced one of the most comprehensive planning frameworks in the world in the form of the Land Use Framework supported by the Alberta Land Stewardship Act. Regional planning processes are underway for South Saskatchewan and the Lower Athabasca regions already - these plans promise to change the shape of future development and preservation of natural spaces. All this on top of the watershed planning processes launched in 2003 under the Water for Life Strategy. Similarly in British Columbia, the Water Act Modernization promises to change the mechanisms around protection of instream flows and allocation of future water uses.

These extensive planning processes must be harmonized with continued development of energy and natural resources in Western Canada as we emerge from a global recession. Land and water managers must develop long-term strategies that consider planning frameworks, raised stakeholder expectations and the requirement for sustainable development. **Insight Information's 7th Annual Water and Land Management Summit**, will bring together many architects of the planning framework together with leading practitioners to discuss issues and opportunities for integrated land and water development. You'll learn more about how industry and regulators are solving these challenges on a very busy landscape.

We look forward to seeing you there!



**Bill Berzins, M.A.Sc. P.Eng.**  
*President, Fossil Water*  
*Advisory Board member of the*  
**Alberta Water Research Institute**  
*Board member of the*  
**Alberta WaterPortal**



**Richard C. Secord, B.A., LL.M.**  
*Partner*  
**Ackroyd LLP**

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## WHO SHOULD ATTEND

- From Oil and Gas, Energy and Other Resource Sectors:**
- Presidents, Vice-Presidents, Directors and Managers of:
    - Sustainable Development
    - Regulatory and Government Affairs
    - Environmental, Health and Safety
    - Land Use and Planning
    - Risk Management
    - Business / Project Development
  - Hydrologists/Hydrogeologists
  - Environmental Lawyers
  - ADR Specialists
  - Corporate Counsel
  - Regional and Municipal Planners
  - Municipal, Provincial and Federal Regulators
  - Policy Analysts
  - Urban Planners and Land Developers
  - Aboriginal Group and Association Representatives
  - Watershed Planning and Advisory Council Members
  - Academics and Researchers
- And**
- Land Use Planners
  - Developers and Land Owners
  - Environmental Consultants

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8:15

## Registration and Continental Breakfast

9:00

## Welcoming Remarks from the Co-Chair

**Bill Berzins, M.A.Sc., P.Eng**

*President, Fossil Water Corporation*

*Advisory Board member of the*

*Alberta Water Research Institute*

*Board member of the Alberta WaterPortal*

9:15

OPENING KEYNOTE ADDRESS

## Urban and Rural Watershed Challenges: A Global Overview

**Dr. Hans Schreier, PhD**

*Professor*

*University of British Columbia*

- Conservation and efficient water use
- The greatest pollution issue that impacts environmental health
- Major challenges for water treatment operations
- Effective options to meet global water problems
- Innovative land use practices
- Water efficient devices

10:00

## Networking Coffee Break

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10:15

## Impact of the Oil Sand Projects on Land and Water - New Standards of Monitoring Programs

**Calvin Duane, P.Ag., RPF**

*Manager, Environment*

*Canadian Natural Resources Limited*

- Setting the stage for monitoring - the impacts of the oil sands on the environment
- The new monitoring programs - Alberta Biodiversity Monitoring Institute and Regional Ecological Monitoring programs
- Regional implementation of monitoring programs
- The new standards of monitoring programs

11:15

## Sustainable Water Management in the Oil Sands - Challenges and Emerging Policies

**Dr. Preston McEachern**

*Section Head, Science, Research and Innovation*

*Alberta Environment*

This talk will identify issues and solutions for:

- Sustainable water management in the oil sands, including; water supply, surface water quality and the Water Management Framework
- Reclamation of oil sands mines to functional watersheds
- Challenges of returning water to the Athabasca River
- The new science - policy vision for the oil sands

12:15

## Networking Luncheon

1:45

## Land Use Planning for the Future

**Kathleen LeClair**

*Chief Officer*

*Capital Region Board*

The Capital Region Growth Plan

- *Capital Region Board Regulation* and relation to the provincial land-use framework
- Key policies of the *Capital Region Growth Plan* with a focus on land use
- Challenges and opportunities in implementing the *Growth Plan*
- Current and future work of the *Capital Region Board*

**Lisa Maria Fox**

*Executive Director*

*Sustainability Recourses Ltd.*

Land use frame work - regional planning

- *Alberta Land Stewardship Act*
- *Regional Advisory Council*
- Desired outcomes stated for the (southern) regional plans
- Conversations between competing land use: shaping the plan
- Place based management - integrating with regional objectives (an option for implementation)
- Conservation tools - meeting objectives through incentives

3:00

## Networking Refreshment Break

3:15

### Aboriginal Water & Land Management Challenges - What Are the Solutions?

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**Joseph Jobin**

*Director of Livelihood  
Treaty 8 First Nations*

This session will elaborate on the challenges facing aboriginal communities when it comes to water and land management, alongside success stories describing the resolution to some of these issues.

- Land use frame-work
- Managing our lands
- Rights to First Nations land

**R. Lee Francoeur**

*Senior Partner  
Francoeur Law Office*

In this session you will learn about the law and current policies on water relating to:

- Aboriginal and Treaty Rights to water
- The duty to consult and accommodate First Nations in the context of water uses
- Reconciling competing legal and policy considerations through negotiated agreements

4:15

### Impacts of the Alberta Land Stewardship Act on Land Use, Resource and Water Management

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**Keith Wilson, B.A., LLB**

*Wilson Law Office*

- Requirements for land use and resource allocation decision-makers
- New powers of provincial government
- Compensation entitlements to property holders and resource users
- Due process protections

5:00

## Conference Adjourns for the Day

OCTOBER 4, 2011

8:45

## Continental Breakfast

9:00

## Opening Remarks from the Co-Chair

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**Richard C. Secord, B.A., LLM**

*Barrister & Solicitor  
Ackroyd LLP*

9:15

*OPENING KEYNOTE ADDRESS*

### Balance Between the Environment & Oil Sands - Challenges & Priorities

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**Don Thompson**

*President  
The Oil Sands Developers Group*

Managing water resources in oil sands

- The state of water resources in Northeast Alberta
- Water supply challenges and priorities
- Implications of oil sands growth; the role of policy and technology

10:00

## Networking Coffee Break

10:15

### Alberta's Wet Areas Mapping Initiatives: Regulatory and Business Solutions Through Innovation

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**Dr. Barry White**

*Forest management Specialist  
Alberta Sustainable Resource Development*

- Enhancing stewardship of Alberta's land and water resources
- Reducing the environmental footprint of our energy and forestry industries
- Developing sustainable recreational trail systems that minimize impact on our water and land resources
- Enhancing land use planning systems to reduce both operational and planning costs
- Using innovation to inform policy

**Dr. Matthew Wheatley**  
*Conservation Biologist,  
Alberta Provincial Parks Division*

- Use of wet-areas mapping in park management and species-habitat modeling
- Protected-areas management
- Evidence-based impact mitigation within parks
- Remote sensing and hydrological mapping
- Species-environment predictive modeling

12:00

## Networking Luncheon

1:00

## Land Use Impacts from Alberta's Multi-Billion Dollar High Voltage Transmission Line Construction Program

**Richard C. Secord, B.A., LLM**  
*Barrister & Solicitor  
Ackroyd LLP*

This session will look at the impacts of Alberta's proposed 15 billion dollar high voltage transmission line construction program on land use, agricultural operations, business operations, the environment, rural landscapes and property values.

1:45

## Water Management - Opportunities for Improvement in Water Allocation and Management

**David Hill**  
*Program Director  
Alberta Water Institute*

- The role of water for life: Alberta's strategy for sustainability
- An overview of the dynamics of Alberta's water supply - green, blue and fossil water exposed
- Highlight of practical opportunities to implement collaborative (integrated) decision-making
- Wetlands - connecting value and function on the landscape

**Jon Fennell, M.Sc., Ph.D., P.Geol.**  
*Director, Water Resources (Canada)  
Principal Hydrogeologist  
WorleyParsons Infrastructure and Environment*

## An approach to sustainable water use in Alberta

- How proper inventory, dynamics, risk identification and cumulative effects analysis will achieve this goal
- Integration of modeling, monitoring and management efforts
- Alternatives to traditional approaches - the "Total Water Management" option

3:00

## Networking Refreshment Break

3:15

CASE STUDY

## A Collaborative Industry Strategy to Define and Meet its Water Needs

**Prit Kotecha**  
*Manager, Water Strategy & Solutions  
Suncor Energy*

The OSLI Regional Water Management Project is a study to identify if regional cooperation among OSLI operators can improve water sourcing and disposal economics and the regional environmental net effect associated with oil sands mining and in-situ water management. This means looking for opportunities to use one producer's waste as another producer's raw water, or sourcing and treating water regionally instead of company by company. Results to date have indicated that there is significant economic and environmental advantage of collaboration vs. the current independent approach.

4:15

BEAR PIT SESSION

## Lessons Learned for a Brighter Future

**Bill Berzins, M.A.Sc., P.Eng**  
*President, Fossil Water Corporation  
Advisory Board member of the  
Alberta Water Research Institute  
Board member of the Alberta WaterPortal*

This session will be an interactive networking opportunity, where the attendees can share and discuss best practices and help develop new ways of managing water and land.

4:45

## Conference Concludes



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