OSLI and Water Management
OSLI OIL SANDS LEADERSHIP INITIATIVE

Featured Stories

When I Grow Up
When asked what they want to be when they grow up, most kids answer "firefighter," "teacher," "doctor" or "rock star." But soon they may be adding "Water Treatment Operator" to their career choices thanks to a new program aimed at training people to work within the large and complex water treatment plants at some of oilsands operations.

Faster Forests - Faster
An aspen sapling stands about a foot high, with fragile sticks for branches and a hairy little root plug; it hardly looks like a game-changer in the world of oilsands development. But the oilsands companies collaborating together in OSLI have a lot of faith in that aspen.

Building Better Bugs: The Sequel
Round two of OSLI's university student challenge to delve into biosynthetic design through MIT's iGEM (International Genetically Engineered Machines) competition, as described in Building Better Bugs, has resulted in a multinational show of hands.

We're about performance.
Five companies are working together to serve one common goal: to improve our environmental, social and economic performance in Canada's oil sands.

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Featured Video

Tags
OSLI Land Stewardship Water Management Technology Breakthrough Sustainable Communities Environment Oil

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Oil Sands Water Management Initiative 2011-01-27
OSLI Structuring Moment
Vision

Achieve world-class environmental, social and economic performance in developing the oil sands resource through:

• Sharing best practices
• Cooperation in assessment, development and accelerating deployment of new technologies and practices
• Leveraging resources
• Working effectively with stakeholders
OSLI Structure

Steering Committee

Coordinating Committee

Four active working groups:

• Land Stewardship
• Water Management
• Technology Breakthrough
• Sustainable Communities

Supported by:

• Intellectual Property Working Group
• Communications Working Group
• Stakeholder Engagement Working Group

The member companies allocated $10 million to OSLI in 2010.
OSLI Activities 2010

**Water Management**
- Regional Solutions Project
- Produced Water Technology Centre
- Water operator training

**Land Stewardship**
- On-site and off-site restoration
- Conservation offsets
- Caribou habitat

**Technology Breakthrough**
- OSTECH – Technology Screening Portal
- Incentive prizes - technology solution providers
- IGEM Competition

**Sustainable Communities**
- Youth engagement and primary education
- Janvier pilot
Canada’s apparent water abundance masks a looming scarcity challenge

“We must think fresh on how to ensure a strong water management so that use of this precious resource is made sustainable for our environment and our economy.”

Source: National Round Table on the Environment and the Economy

Oil Sands Water Management Initiative 2011-01-27
Water Regional Solution Project

- Plant Solution
- Sub Regional Solution
- Regional Solution

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Water Technology Center

- Permanent facility hot-coupled to a commercial SAGD operation
- Continual access to live process fluids for testing
- The infrastructure and expertise to perform testing
- Operationally isolated and independent
Operator Training

Challenge
- No formal training program exists for SAGD water treatment systems

Project Objective
- Drive up the overall performance of the SAGD industry by improving the reliability and performance of water treatment systems

Project Description
- Partner with an educational institution to create a SAGD Water Operator program.

Potential Benefits:
- Elevate the skills of water system operators
- Create a larger pool of better qualified staff
- Provide better recognition of water system operation as a well-defined, respected and rewarding career path
“Water! Water! Everywhere
Nor any drop to drink!”

Source: The Rime of the Ancient Mariner – S.T. Coleridge