



# Annual Progress Report

2012

*Responsible Actions: A Plan for Alberta's Oil Sands* (Responsible Actions) was developed by the Government of Alberta in 2009 as a 20-year strategic plan. The plan balances oil sands development with social, environment, and economic considerations.

Responsible Actions aligns with other Government of Alberta-led initiatives, such as the *Land-use Framework* and the *Provincial Energy Strategy*, to demonstrate the province's commitment to being a world leader in developing our resources in a responsible and sustainable manner.

The 2012 Annual Progress Report highlights the work done to support Responsible Actions' six strategies. Over 70 initiatives are in various stages of development, demonstrating the government's ongoing commitment to the Responsible Actions vision.

## Progress Summary

Since Responsible Actions' release, a number of initiatives supporting the six strategies have been added, completed, or reassigned to a different ministry. The following provides the status of the initiatives in 2012:

	Total Number of Active Initiatives as of January 1, 2012	Number Completed in 2012	Number On Track as of December 31, 2012
Strategy One	14 <sup>1</sup>	3	10
Strategy Two	12	5	7
Strategy Three	12	1	11
Strategy Four	4	0	4
Strategy Five	27	4	23
Strategy Six	4	2	2
<b>Total:</b>	<b>73</b>	<b>15</b>	<b>57</b>

The 2012 Annual Progress Report provides a comprehensive list of all projects and initiatives under each of the Responsible Actions strategies. Initiatives are summarized with a brief description and achievements/status for 2012.

Alberta Energy would like to thank our cross-ministry project and implementation team contacts for their work in providing valuable input for this report.

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## STRATEGY ONE

### Develop Alberta's oil sands in an environmentally responsible way.

<b>1.1</b>	Through implementation of the <i>Land-use Framework</i> , effectively manage the cumulative effects of oil sands development on the environment to protect air, land, water, biodiversity, and human health.
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Project/Initiative	Lead Ministry	Status Dec. 2012
Environmental Assessment Initiative	Environment and Sustainable Resource Development	On Track

- The Environmental Assessment Initiative identified strategies to support cumulative effects management at a regional scale and improve overall efficiency and effectiveness of project environmental impact assessment.
- In 2012, technical work was being coordinated for the South Athabasca Oil Sands Regional Strategic Assessment in response to a commitment under the Lower Athabasca Regional Plan (LARP) to develop a sub-regional plan. Engagement strategies were being drafted with expected implementation in the next quarter. *The Canadian Environmental Assessment Act 2012* came into effect and key regulations were released (e.g., Regulations Designating Physical Activities) as Alberta Environment and Sustainable Resource Development continued to analyze implications.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Lower Athabasca River Water Management Framework: Water Quality Update</b>	Environment and Sustainable Resource Development	Complete

- The Framework's goal is to ensure low impact to the Athabasca river ecosystem from industrial development, as well as water conservation and innovation on the part of both industry and community water users.
- The Framework was released in August 2012 and can be found at [http://esrd.alberta.ca/focus/cumulative-effects/cumulative-effects-management/management-frameworks/documents/LARP\\_Framework\\_SurfaceWaterQuality\\_FINAL.pdf](http://esrd.alberta.ca/focus/cumulative-effects/cumulative-effects-management/management-frameworks/documents/LARP_Framework_SurfaceWaterQuality_FINAL.pdf).

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Lower Athabasca Regional Plan (LARP) Air Quality Management Framework</b>	Environment and Sustainable Resource Development	Complete

- The Air Quality Management Framework provides an additional component for the region in the overall air quality management system. This includes setting ambient air quality triggers and limits for nitrogen dioxide and sulphur dioxide with guidance for long-term decision making and management.
- The Framework was released in August 2012 and can be found at [http://esrd.alberta.ca/focus/cumulative-effects/cumulative-effects-management/management-frameworks/documents/LARP\\_Framework\\_AirQuality\\_FINAL.pdf](http://esrd.alberta.ca/focus/cumulative-effects/cumulative-effects-management/management-frameworks/documents/LARP_Framework_AirQuality_FINAL.pdf).

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Protect Human Health and Ecosystems</b>	Land Use Secretariat	On Track

- The Lower Athabasca Regional Plan (LARP) identifies economic, environmental, and social outcomes for the region. It addresses conservation of biodiversity and protection of caribou habitat in the region through the establishment of new conservation areas (2 million hectares) and commits government to develop a biodiversity management framework for the region and sub-regional landscape management plans by the end of 2013. A Biodiversity Management Framework, along with management frameworks for surface water quality, surface water quantity, groundwater, and air quality, will be a key tool for addressing cumulative effects within the region and achieving regional plan outcomes.
- The LARP was approved by the Government of Alberta on August 22, 2012 and came into effect on September 1, 2012.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Industrial Heartland Cumulative Effects Management Project</b>	Environment and Sustainable Resource Development	On Track

- The Industrial Heartland Cumulative Effects Management Project provides strategies and targets to sustain the quality of the capital region's environment. The project outlines specific environmental outcomes for the region and provides baseline data, targets for sustainability, and regional strategies for the tracking and management of air, water, and land.
- In 2012, implementation of the environmental frameworks in the capital region and Industrial Heartland was ongoing. Focus continued on improving baseline science, developing science tools, and engaging with stakeholders on implementation actions. Specific priorities included development of the Fine Particulate Matter Response and continued implementation of the Maximum Allowable Load approach for the Capital Region Air Quality Management Framework and the Water Management Framework for the Industrial Heartland and Capital Region, respectively.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Ongoing Process of the Consideration of Best Available Technology Economically Achievable (BATEA)</b>	Environment and Sustainable Resource Development	On Track

- Use of best technology is one of the principles in Alberta Environment and Sustainable Resource Development’s “Industrial Release Limits Policy” (2000) which states that “industrial release limits will be established based on limits achievable using the most effective demonstrated pollution prevention/control technologies or the limits required to meet risk based and scientifically defensible ambient environmental quality guidelines, whichever are the most stringent. Advanced technology limits may be adopted in lieu of ambient limits in certain circumstances.” Use of BATEA is not a specific project or initiative but is considered as part of an ongoing process, especially in the development and implementation of environmental policy.
- Work continued in 2012 as part of the ongoing initiative.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Thermal In Situ Water Allocation Clarification</b>	Environment and Sustainable Resource Development	On Track

- Alberta Environment and Sustainable Resource Development is developing a guidance document as an addendum to the Conservation and Allocation Guideline for Oilfield Injection (2006) to provide consistent and coordinated guidance to proponents on what will be considered in making water allocation decisions with respect to applications under the *Water Act* for thermal in situ projects.
- Work continued in 2012 as part of the ongoing initiative.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Groundwater Management Framework for Lower Athabasca Region</b>	Environment and Sustainable Resource Development	Complete

- The Framework’s goal is to enhance the existing system to manage non-saline groundwater resources across the Lower Athabasca Region, including management of potential cumulative effects on these resources. The Framework establishes indicators of groundwater quality and quantity and the method for developing triggers and limits.
- The Framework was released in August 2012 and can be found at [http://esrd.alberta.ca/focus/cumulative-effects/cumulative-effects-management/management-frameworks/documents/LARP\\_Framework\\_GroundwaterMgt\\_FINALv2.pdf](http://esrd.alberta.ca/focus/cumulative-effects/cumulative-effects-management/management-frameworks/documents/LARP_Framework_GroundwaterMgt_FINALv2.pdf).

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Assessment and Management of Non-Saline Groundwater in Direct Contact with Bitumen for In Situ Oil Sands Operations</b>	Environment and Sustainable Resource Development	On Track

- Tying into the water conservation and water management goals of *Water for Life: Alberta's Strategy for Sustainability*, this policy and guideline provide requirements for the assessment and management of non-saline groundwater in direct contact with bitumen for in situ oil sands operations using enhanced bitumen recovery. The policy and guideline have been developed to help identify and avoid potential impacts associated with enhanced bitumen recovery in areas where extensive non-saline aquifers are in direct contact with bitumen.
- In 2012, an interdepartmental Government of Alberta team was formed to review the draft guidance document.

**1.2 Enhance reclamation and increase enforcement to minimize Crown liability and protect environmental health.**

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Tailings Management Framework (TMF)</b>	Environment and Sustainable Resource Development	On Track

- The TMF supports the progressive reclamation strategy in oil sands and was required under the Lower Athabasca Regional Plan (LARP). The objective of the TMF is to ensure that tailings generated by oil sands mines are reclaimed as quickly as possible while balancing environmental, social, and economic needs. It builds on the Alberta Energy Regulator's Directive 074 which, since 2010, requires oil sands mines to reduce their fluid fine tailings.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Mineable Oil Sands Reclamation Policy – Acknowledgement of Progressive Reclamation</b>	Environment and Sustainable Resource Development	On Track

- Current reclamation reporting required under oil sands mine approvals lack the level of detail and consistency required to track and report on disturbance and reclamation associated with the industry. Enhanced tracking and reporting tools are in development for the reporting of annual activities and for reporting on mine reclamation and closure plans. The program is required to better compare company plans with company progress and to provide links to requirements associated with the Mine Financial Security Program (MFSP).
- In 2012, the implementation of the geospatial data submissions component was completed.



**1.3 Increase conservation and protected areas to maintain biodiversity in the oil sands regions.**

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Establish a Conservation Offset Program</b>	Environment and Sustainable Resource Development	Trending Off Track

- The Conservation Offset Program initiative aims to investigate and pursue potential implementation of conservation offset pilot projects in northeastern and southern Alberta. Conservation offsets actions are taken at one location to balance (fully or in part) negative impacts that are anticipated to occur at another location where project development is proposed.

**1.4 Meet or exceed Alberta's greenhouse gas reduction objectives.**

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Carbon Capture and Storage (CCS)</b>	Energy	On Track

- CCS balances the economic benefits Alberta receives from the development of its resources with the responsibility to reduce greenhouse gas emissions. The Government of Alberta maintains a CCS Funding Program to support demonstration projects that undertake to advance the broader adoption of CCS technologies in Alberta. Additionally, the Government of Alberta has passed legislation to remove barriers to CCS deployment, including the *Carbon Capture and Storage Statutes Amendment Act* and the Carbon Sequestration Tenure Regulation.
- As of December 2012, Alberta had signed final funding agreements for three projects worth over \$1.5 billion: Quest Project (Shell Canada, Chevron Canada, Marathon Oil Sands), Alberta Carbon Trunk Line (Enhance Energy, North West Redwater Partnership), and Swan Hills Synfuels In Situ Coal Gasification Project (Swan Hills Synfuels). Two of these projects will reduce emissions in the oil sands upgrading process (one at an existing upgrader and one at a new upgrader). Additionally, to ensure CCS projects are designed and operated in a safe and responsible way, the Government of Alberta continued developing a Regulatory Framework Assessment in 2012. As part of this process, CCS experts from Alberta and around the world examined in detail the technical, environmental, safety and monitoring requirements for CCS projects in Alberta.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Climate Change Adaptation Strategy (Provincial Scale Strategy)</b>	Environment and Sustainable Resource Development	On Track

- The Government of Alberta continues work on a Climate Change Strategy which includes climate change risk assessments and a Provincial Climate Change Adaptation Strategy to reduce Alberta's exposure to climate change risks. The Climate Change Adaptation Strategy will address priority risk areas, define leadership roles among sectors and government, and identify

long-term research funding needs to increase Alberta's adaptive capacity to deal with climate change risks.

- In 2012, nine government ministries participated in a cross-ministry risk assessment process and developed ministry-specific adaptation strategies. Government ministries whose core businesses are less exposed to climate change impacts were engaged to align their activities with identified climate risks and opportunities and to explore appropriate adaptation measures. A draft strategy that identifies priority climate change risks and broad and targeted adaptation measures was undergoing a final round of review.

## STRATEGY TWO

Promote healthy communities and a quality of life that attracts and retains individuals, families, and businesses.

### 2.1 Support further planning and development of healthy communities in the oil sands regions.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Comprehensive Regional Infrastructure Sustainability Plan (CRISP) for the Cold Lake Oil Sands Area</b>	Energy	Complete

- The intent of the CRISPs is to establish a long-term framework for future infrastructure development based on anticipated bitumen production rates and associated population growth.
- The Cold Lake CRISP was completed in February 2012 and can be found at <http://www.energy.alberta.ca/Initiatives/3241.asp>.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Comprehensive Regional Infrastructure Sustainability Plan (CRISP) for the Peace River Oil Sands Area</b>	Energy	On Track

- The intent of the CRISPs is to establish a long-term framework for future infrastructure development based on anticipated bitumen production rates and associated population growth.
- Initial planning for the Peace River Oil Sands Area CRISP commenced in 2012.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Comprehensive Regional Infrastructure Sustainability Plan (CRISP) for the Athabasca Oil Sands Area</b>	Energy	Complete

- In order to improve quality of life and enable sustained prosperity in the oil sands areas, the CRISPs establish a long-term framework for infrastructure development based on forecasted bitumen production and associated population growth.
- The Athabasca Oil Sands Area (AOSA) CRISP received Cabinet approval in April 2011, began implementation in 2012, and can be found at <http://www.energy.alberta.ca/Initiatives/3240.asp>. Current initiatives include a review of air transportation services, a new work camp policy for open work camps, and engagement with stakeholders to identify transportation priorities and funding mechanisms.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Social Infrastructure Assessment Model (SIAM)</b>	Energy	Complete

- The SIAM model is a tool developed to assist the Government of Alberta in further assessing the need and costs associated with infrastructure and essential services arising from new industry development within the oil sands regions, as well as helping to establish priorities.
- The project was completed in 2012. Consultants were unable to secure data within the contract deadlines to address all of the infrastructure and service areas originally included within the terms of reference for this pilot project. However, participating ministries were able to provide enough data to support some preliminary modeling for policing (service calls for varying age cohorts), health care (physicians, acute and long-term care beds), and housing (detached, semi-detached, apartments, etc.).

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Cultural Policy Initiative</b>	Culture	On Track

- The cultural needs of the oil sands regions are addressed through various initiatives undertaken by the Government of Alberta including those under *The Spirit of Alberta: Alberta's Cultural Policy*.
- The Quarry of the Ancestors, a complex of archaeological sites containing evidence of human activity in the area between 9,800 and 5,500 years ago, was designated as a Provincial Historic Resource in 2012. Following the designation, the Royal Alberta Museum received a grant from Shell Canada to create classroom programs based on the story of the quarry sites. In addition, the Francophone Secretariat has been working with the Association Canadienne Française de L'Alberta, Régionale de Wood Buffalo to provide economic and social support services in French as well as resources for individuals in crisis situations. Through annual support of \$135,000, the Alberta Sport, Recreation, Parks and Wildlife Foundation supports the Alberta Sport Development Centre at Keyano College with a primary goal of providing a holistic training environment for athletes, as well as courses and resources for athletes' network of supports, including coaches, mentors and parents.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Consider the Shadow Population in the Planning and Funding Allocations for Physical and Social Infrastructure</b>	Treasury Board and Finance	On Track

- Statistics Canada undertook a review of the use of administrative data (e.g., Canada Revenue Agency (CRA) Tax-Filer Information, Human Resources and Skills Development Canada (HRSDC) record of employment file, Statistics Canada Business Register, etc.) in estimating shadow population.
- Statistics Canada completed its administrative data review in 2012 as well as the creation and analysis of linked data.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Oil Sands Areas – Population Forecasts</b>	Energy	Complete

- The Population Forecast project’s goal is to move towards a mutually acceptable population forecast for oil sands regions supported by municipalities, governments, and the oil sands industry. The forecast model intends to be utilized for several projects currently being worked on by the Government of Alberta related to regional planning initiatives in the oil sands areas.
- In 2012, both the Athabasca and the Cold Lake Comprehensive Regional Infrastructure Sustainability Plan (CRISP) population forecasts were finalized. Population forecasts blended work undertaken by Applications Management Limited with feedback received through the Government of Alberta Demography Working Group.

**2.2 Improve public safety and security in the oil sands regions.**

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Alberta’s Traffic Safety Plan: Saving Lives on Alberta’s Roads (TSP)</b>	Transportation	On Track

- *Alberta’s Traffic Safety Plan: Saving Lives on Alberta’s Roads* is a comprehensive strategy designed to reduce traffic related deaths and injuries in the province. Priorities will be addressed using a number of core strategies including education and training, communication, community initiatives, enforcement, research, legislation, new technologies, road engineering and infrastructure improvements. Government’s traffic safety partners have been, and will continue to be, important to the success of Alberta’s efforts.
- Progress in 2012 included implementation of: the Enforcement Strategic Plan Communications Strategic Plan; Community Mobilization Strategy; Aboriginal Traffic Safety Strategy; Engineering Strategic Plan; initiation and completion of the Strategic Research, Monitoring, and Evaluation Plan; and development and implementation of the Alberta Traffic Safety Plan Operational Plan (2012 – 2013). *The Traffic Safety Plan – A Safer System Approach to Saving Lives on Alberta Roads 2011-2015* was reviewed by stakeholders and feedback was received. The plan can be found at <http://www.transportation.alberta.ca/3112.htm>.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Safe Communities Innovation Fund (SCIF)</b>	Justice and Solicitor General	Complete

- The SCIF part of Alberta Justice and Solicitor General’s Safe Communities program provided three years of seed funding to pilot innovative approaches to crime prevention solutions across the province. The SCIF’s aim was to increase community and police partnerships as well as to enhance their joint capacity to reduce and prevent crime and social disorder; increase community capacity to implement innovative and effective crime reduction and prevention initiatives; and implement targeted pilot projects focused on high risk groups, designed to reduce their involvement in the criminal justice system.
- Eighty-eight pilot projects were funded through SCIF. In 2012, all pilots were delivering programs and 17 entered the outcomes-based evaluation stage. Early results indicated community organizations were working increasingly together to curb crime and a number of projects showed promise in their approach to crime prevention and reduction. Neighbouring and international jurisdictions viewed SCIF as an innovative method for piloting unique, evidence-informed approaches to crime prevention and for using Social Return on Investment methodology to analytically capture the value of projects using a blend of qualitative, quantitative, and financial information.

**2.3 Enhance timely investment in physical infrastructure in the oil sands regions.**

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Southlands (Fort McMurray Commercial Development)</b>	Energy	On Track

- The Government of Alberta has outlined a comprehensive strategy for releasing Crown land around Fort McMurray to facilitate residential, industrial, and commercial development.
- A 980 acre parcel of land south of Fort McMurray south of Highway 69 and east of Highway 63 was sold in 2011 and was undeveloped in 2012.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Urban Development Sub Region (UDSR)</b>	Energy	On Track

- The UDSR is a designated area of Crown land surrounding Fort McMurray that will be sold to the Regional Municipality of Wood Buffalo (RMWB) over time and will provide enough land to accommodate urban expansion for at least 25 years.
- In 2012, a draft UDSR was proposed, a formal stakeholder engagement process took place, and First Nations consultation commenced.

Project/Initiative	Lead Ministry	Status Dec. 2012
Parsons Creek Land Development	Transportation	On Track

- An interchange on Highway 63 north of Confederation Way is required to provide access to the Parsons Creek subdivision, which has an estimated build-out population of 24,000 people.
- In 2012, Alberta Transportation worked with the Regional Municipality of Wood Buffalo (RMWB) on a revised interchange configuration and footprint that allows for some adjacent commercial and industrial development, as well as incorporating bus accommodation measures through consultation with industry and the RMWB. The Parsons Creek subdivision project welcomed its first residents in 2012 and produced additional sale-ready lands for residential and commercial development.

## STRATEGY THREE

**Maximize long-term value for all Albertans through economic growth, stability, and resource optimization.**

**3.1 Ensure that Albertans continue to receive appropriate economic benefit from extraction of oil sands.**

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Monitoring and Reporting on Oil Sands Economics and Competitiveness</b>	Energy	On Track

- In order to ensure the oil sands royalty structure remains responsive to changing conditions, the Government of Alberta continues to monitor energy industry development and trends as well as run economics analysis using in-house models. The initiative is considered an ongoing process that is designed to inform policy recommendations.
- In 2012, there was ongoing information gathering and analysis to assess oil sands investment competitiveness. An oil sands fiscal regime performance measure was developed and reported in the 2012 Department of Energy Business Plan.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Bitumen Royalty-In-Kind (BRIK) and Expand Market for Bitumen</b>	Energy	On Track

- The BRIK project aims to leverage bitumen royalties to develop value-added oil sands products and establish a government-led organization to promote integrated cluster development in the Industrial Heartland. The Government of Alberta will seek to have a portion of its BRIK volumes commercially upgraded to higher value products in the province. BRIK initiative policies will be put in place to establish a transparent market for bitumen and to facilitate its effective functioning.
- In 2012, the plan for implementing the BRIK program had been finalized after consultation with industry via the Canadian Association of Petroleum Producers (CAPP) in 2011. The North West Redwater Partnership received formal approval to develop the \$5.7 billion Sturgeon Refinery.



Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Facilitate the Establishment of a Transparent Market for Bitumen</b>	Energy	On Track

- Bitumen is a difficult product to market, varying considerably in quality depending upon the field from which it is produced. The product requires the addition of diluents or upgrading to a synthetic crude oil (SCO) for shipping through pipelines. The Bitumen Royalty-In-Kind (BRIK) project includes a market design to facilitate more buyers and sellers of bitumen in a transparent and liquid market, assisting Alberta in getting the full value for its royalties.
- In 2012, the plan for implementing the BRIK program had been finalized after consultation with industry via the CAPP in 2011. The market for bitumen continued to evolve with Western Canadian Select (WCS) being traded on electronic exchanges. Enbridge began working with industry to develop additional bitumen-based streams that could add liquidity to the market.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Crown Agent Established to Manage Alberta Bitumen Market</b>	Energy	On Track

- The Alberta Petroleum Marketing Commission (APMC) has been designated as the Crown Agent to handle bitumen volumes.
- In 2012, a proposed governance structure and staffing plan had been developed. Work began to put in place the legal structures for governance of the corporation in support of its new Bitumen Royalty-In-Kind (BRIK) activities including an Agency Agreement. Limited activities were undertaken to enhance the capabilities of the APMC Board with industry expertise.

### **3.2 Optimize the economic benefit of the bitumen resource for Alberta through upgrading and value-added petrochemical development.**

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Leveraging Bitumen Royalty-In-Kind (BRIK)</b>	Energy	On Track

- The BRIK project aims to stimulate value-added processing in the province and obtain the best value for the government from its bitumen and potential products by promoting upgrading, refining, and petrochemical cluster development in the Industrial Heartland.
- In 2012, the BRIK program implementation plan had been finalized after consultation with industry via CAPP in 2011. The North West Redwater Partnership received formal approval to develop the \$5.7 billion Sturgeon Refinery. The Alberta Petroleum Marketing Commission (APMC) supported work on Alberta Energy's Oil Market Diversification Strategy, particularly regarding the potential for development of pipelines to the east coast as well as rail opportunities to reach tide water connected terminals.

### 3.3 Diversify Alberta's oil sands-related products and services into other international markets.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Economic Analysis and Marketing Monitoring</b>	Energy	On Track

- The Government of Alberta continues to monitor international energy industry developments and trends to link in with key global markets that offer attractive opportunities for Alberta's oil sands products to achieve a more diverse and resilient customer base.
- In 2012, analysis of global and North American energy markets for crude oil and natural gas was ongoing.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Development of Outbound Pipeline Systems</b>	Energy	On Track

- The Government of Alberta encourages the development of outbound pipeline systems to open new overseas markets for Alberta's oil sands products. Alberta sees a significant benefit to our oil industry by increasing tidewater access and diversifying to Asia-Pacific markets.
- In 2012, a federal Joint Review Panel (JRP) reviewed Enbridge's Northern Gateway pipeline. The Government of Alberta was an active participant in the review. The Government of Alberta's expert witness' evidence indicated that all heavy oil barrels produced will have an \$8 per barrel uplift if Gateway is approved. Enbridge filed its facilities application in May 2010. The \$6 billion Gateway project would transport 525,000 barrels per day of crude oil from the Edmonton area to Kitimat, British Columbia and would include an import condensate pipeline with a capacity of 193,000 barrels per day from Kitimat to Edmonton. The JRP's final hearings began on September 4, 2012 in Edmonton, moved to Prince George, BC, on October 9, and planned to continue in Prince Rupert, BC, into 2013.

### 3.4 Maximize industrial infrastructure and address workforce needs to support economic development of the oil sands.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Invest in Demonstration Projects and Laboratory Facilities Targeted at Oil Sands Projects</b>	Enterprise and Advanced Education	On Track

- Alberta Innovates invests in a number of energy technology projects with a goal of improving efficiency and environmental performance in the oil sands, develop new approaches to reclamation, and address climate change.
- In 2012, Alberta Innovates - Energy and Environment Solutions and Alberta Innovates - Technology Futures continued to invest in demonstration projects.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Alberta Hydrocarbon Processing Opportunities</b>	Enterprise and Advanced Education	Complete

- Completed in 2011 and funded by Alberta’s Industrial Heartland Association, the study, *Alberta’s Hydrocarbon Processing Opportunities: Derivative Projects Identification and Attractiveness Assessment*, identified the most attractive petrochemical derivative products and screened potential companies that may be attracted to invest in Alberta.
- In 2012, a global marketing strategy was in development to promote investment in downstream derivative projects.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Development of a Multi-Use Corridor Plan for the Oil Sands Regions and Alberta’s Industrial Heartland</b>	Transportation	On Track

- The development of a multi-use corridor strategy for Alberta, including the oil sands regions and Alberta’s Industrial Heartland, will support regional growth and the future development of needed provincial transportation and energy infrastructure, while reducing environmental impacts. This project is part of a broader initiative under the *Land-use Framework*.
- In 2012, a jurisdictional scan began to gather preliminary information on where infrastructure corridors have been attempted or developed in other provinces and countries, noting factors related to success or failure.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Updating <i>Building and Educating Tomorrow’s Workforce (BETW)</i></b>	Enterprise and Advanced Education	On Track

- *BETW* is Alberta’s provincial labour force strategy developed in 2006. The strategy is both a provincial framework and government action plan, bringing together employers, industry associations, educators and more, to find ways to help mitigate labour shortages and prepare for the future. The strategy builds on initiatives that have taken place, reflects changes in the labour market, and responds to global events that have affected Alberta’s economy and job market.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>First Nations, Métis, and Inuit (FNMI) Workforce Planning Initiative</b>	Enterprise and Advanced Education	On Track

- The MLA report *Connecting the Dots: Aboriginal Workforce and Economic Development in Alberta* and subsequent Government of Alberta Response were released in May 2011. These reports identified recommendations for increasing education and skill levels, labour force participation, and economic opportunities for Aboriginal people in Alberta. One of the recommendations in *Connecting the Dots*, and a strategic priority of the Government of Alberta, is the development of an Aboriginal Workforce Strategy.

## STRATEGY FOUR

Strengthen our proactive approach to Aboriginal consultation with a view to reconciling interests.

### 4.1 Promote clarity and consistency in consultation processes with First Nations.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>First Nations Consultation Capacity Initiative Program (FNCCIP)</b>	Aboriginal Relations	On Track

- FNCCIP provide core-funding to support First Nation capacity building and consultation-related activities regarding resource development. Under the program, all Alberta First Nations receive a core funding allocation of \$80,000. Supplementary funding allocations are provided based on known resource development pressures, traditional use data, mineral sales data, and land access applications surrounding First Nations communities.
- In 2012, program management was ongoing.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>First Nations Consultation Policy and Guidelines Review</b>	Aboriginal Relations	On Track

- A review of Alberta's *First Nations Consultation Guidelines on Land Management and Resource Development* is underway to ensure Alberta continues to meet its duty to consult.
- In 2012, the Minister of Aboriginal Relations met with several First Nations Chiefs and the three Grand Chiefs to discuss the policy review. In October 2012, a discussion paper was released to First Nations, industry, and municipal governments. The discussion paper outlined concepts such as First Nations capacity, coordinated consultation, and greater transparency. Comments from stakeholders were collected, assessed, and provided input into the development of a draft First Nations Consultation Policy.

### 4.2 Enhance collaborative government-to-government relationships.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Memorandum of Understanding (MOU) between Alberta and the Federal Government</b>	Aboriginal Relations	On Track

- The MOU is being developed to address resource development opportunities within Alberta and Canada in an attempt to strengthen Aboriginal consultation efforts within both jurisdictions. It will provide for improved information sharing and consistency with decision-making regarding Aboriginal consultation.
- In 2012, Alberta and Canada began working towards a date for signing the MOU as well as developing an appropriate stakeholder engagement strategy.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>GeoData Initiative</b>	Aboriginal Relations	On Track

- GeoData maps will serve as a tool to allow the Government of Alberta to better define which First Nations it may need to consult with on resource development projects based on geographical areas of interest.
- In 2012, Phase II of the GeoData Mapping initiative was completed. The Government of Alberta met with interested First Nations to confer on where First Nations maintain geographical areas of interest. As part of Phase III, a contractor was hired and the Government of Alberta cross-ministry GeoData mapping committee began meeting with First Nations to acquire data and refine, produce, and distribute maps.

## STRATEGY FIVE

Maximize research and innovation to further support sustainable development and unlock the deposit's potential.

### 5.1 Further develop Alberta as a world-class centre of clean-energy research excellence.

Project/Initiative	Lead Ministry	Status Dec. 2012
Implementation of Alberta Innovates	Enterprise and Advanced Education	On Track

- Alberta Innovates, the provincial research and innovation system, continues to deliver on Alberta research priorities in oil sands development and technologies. Alberta Innovates manages government investments in research and innovation in a way that creates the greatest benefit for Albertans and the Alberta economy, enhancing existing partnerships and establishing new partnerships with key stakeholders in industry, government, and universities.
- In 2012, Alberta Innovates – Energy and Environment Solutions and its partners delivered on research priorities in energy technologies, environmental management, and water resources. Alberta Innovates – Technology Futures and its partners delivered on capacity building programs and provided research and development support on the topics of bitumen and heavy oil, carbon capture and storage, and ecosystem management.

Project/Initiative	Lead Ministry	Status Dec. 2012
Alberta – Canada Collaboratory in Cleaner Oil Sands Development – Memorandum of Understanding (MOU) with Natural Resources Canada (NRCan)	Enterprise and Advanced Education	On Track

- Advanced Education and Technology (Enterprise and Advanced Education) signed the Alberta-Canada Collaboratory in Cleaner Oil Sands Development MOU with NRCan in 2011 to ensure research efforts are co-ordinated and oil sands resources are developed in an environmentally responsible and sustainable manner.
- In 2012, a Steering Committee, an External Advisory Committee, and an Implementation Team for the Collaboratory were established. The Steering Committee aims to establish a single Collaboratory Framework and complete a facilities plan for a research facility in Devon. In November 2012, the first Collaboratory workshop in Calgary was held, drawing representatives from government, industry, and academia.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Recruit and Retain Highly Qualified Personnel in Areas of Strategic Priority</b>	Enterprise and Advanced Education	On Track

- The initiative to recruit and retain highly qualified personnel in areas of strategic priority is delivered through the Campus Alberta Innovates Plan (CAIP) and Mitacs, a not-for-profit research organization.
- Work continued in 2012 as part of the ongoing initiative.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Chemical Looping Combustion</b>	Enterprise and Advanced Education	On Track

- Alberta Innovates – Technology Futures (AITF) continues to advance technologies that will ultimately reduce the carbon footprint associated with oil sands production, and Steam-Assisted Gravity Drainage (SAGD) projects in particular.
- In 2012, AITF began advancing efforts to demonstrate Chemical Looping Combustion (CLC) technologies and working with Canadian universities and other government agencies to help “de-risk” this promising technology for producing steam for SAGD projects. The advantage of CLC is that it results in high purity carbon dioxide (CO<sub>2</sub>) that can then be captured at a lower cost compared to other technologies.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Centre for Oil Sands Innovation (University of Alberta)</b>	Enterprise and Advanced Education	On Track

- The Centre for Oil Sands Innovation (COSI) is focused on research in bitumen and minerals fundamentals, bitumen separation and upgrading, environmental footprint reduction, and extraction.
- In 2012, Alberta Innovates – Energy and Environment Solutions began engaging with COSI as an ongoing initiative.



<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Oil Sands Tailings Technology Development Roadmap</b>	Enterprise and Advanced Education	Complete

- The objective of the Oil Sands Tailings Technology Development Roadmap and Action Plan is to help achieve more timely deployment of end-to-end tailings technologies and to share the results and knowledge generated. The Roadmap is being developed in collaboration with the Oil Sands Tailings Consortium (OSTC), the Government of Alberta, and Alberta Innovates – Energy and Environment Solutions.
- In 2012, the Roadmap and Action Plan was released and can be found at <http://www.ai-ees.ca/reports.aspx>.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>AACI</b>	Enterprise and Advanced Education	On Track

- Initiated in 1983, the AACI is an in situ heavy oil research and development consortium that partners industry with government to advance field-focused technologies that significantly reduce energy consumption and environmental impacts.
- Work continued in 2012 as part of the ongoing initiative.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Materials and Reliability in Oil Sands Consortium (MARIOS)</b>	Enterprise and Advanced Education	On Track

- In 2009, Alberta Innovates – Technology Futures launched the Materials and Reliability in Oil Sands (MARIOS) consortium to tackle industry-wide maintenance and reliability issues. The goal of MARIOS is to develop knowledge and validate technologies to significantly reduce downtime, and improve reliability and productivity in the oil sands industry. The consortium links oil sands producers, materials and equipment suppliers, fabricators, and technology providers to collaboratively solve industry-wide problems.
- Work continued in 2012 as part of the ongoing initiative.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Thermal In Situ Water Conservation Study Network</b>	Enterprise and Advanced Education	On Track

- Beginning in 2010, Alberta Innovates - Energy and Environment Solutions (AIEES) commissioned Jacobs Consultancy Inc. to conduct the Thermal In Situ Water Conservation Study (the Study) to examine commercial and emerging technologies and their potential for maximizing water recycling and minimizing greenhouse gas (GHG) emissions and waste generation in Alberta oil sands. The Study is a collaboration of AIEES, the Alberta Energy Regulator, Alberta Environment and Sustainable Resource Development, and a network of nine in situ participants.
- A summary report of the Study was released in May 2012 and can be found at <http://www.aiees.ca/media/6868/thermal-in-situ-water-summary-report.pdf>.

**5.2 Develop policy and regulatory tools to encourage, motivate, or require industry to invest in sustainable development and use of technologies.**

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Next Generation Carbon Capture Technology</b>	Enterprise and Advanced Education	Complete

- The Next Generation Carbon Capture Technology initiative is a joint partnership of General Electric Canada, the University of Alberta, and Alberta Innovates – Technology Futures to identify new membrane-based technologies for capturing CO<sub>2</sub> from oil sands upgrading and refining facilities.
- In 2012, Phase I (Proof of Concept) was completed. Phase II (Prototype Development) continued under a new project title.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Reclamation Studies</b>	Enterprise and Advanced Education	On Track

- Alberta Innovates – Energy and Environment Solutions (AIEES) and Alberta Innovates – Technology Futures (AITF) continue to invest in reclamation studies for the oil sands. AIEES reclamation studies include projects such as Life Cycle Analysis of Oil Sands Systems and In-Line Dewatering of Oil Sands Tailings.
- Work continued in 2012 as part of the ongoing initiative.

<b>Project/Initiative (Summary of Seven Initiatives)</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Alberta Innovates – Energy and Environment Solutions (AIEES) Research and Demonstration Projects</b>	Enterprise and Advanced Education	On Track

- AIEES is leading a number of research and demonstration projects related to oil sands development. Seven ongoing and completed initiatives are summarized below.
- Ongoing initiatives in 2012 included:
  - Demonstration Project for Producing Pure Carbon Dioxide (CO<sub>2</sub>) for Carbon Capture;
  - Using Electromagnetic Heating for Bitumen Recovery;
  - Life Cycle Analysis on Energy Efficiency and Greenhouse Gas Mitigation;
  - Thermal In Situ Water Conservation Study to Find More Efficient Ways of Producing Oil Sands and Minimizing Water Usage; and
  - Front End Engineering and Design for Carbon Capture and Storage from Steam Assisted Gravity Drainage (SAGD) Boilers.

Initiatives completed in 2012 included:

- The Impact of Solution Culture pH and Micronutrient Deficiency on Selected Tree Species in Oil Sands Reclaimed Areas; and
- Electric Heating for In Situ Bitumen Recovery.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>International Energy Agency (IEA) Weyburn CO<sub>2</sub> Monitoring</b>	Enterprise and Advanced Education	On Track

- Alberta Innovates – Technology Futures (ATF) conducts monitoring and modelling work on the Weyburn IEA-GHG CO<sub>2</sub> Monitoring project in southeastern Saskatchewan.
- Work continued in 2012 as part of the ongoing initiative.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Alberta Innovates Energy and Environment Solutions (AIEES) Business Plan</b>	Enterprise and Advanced Education	On Track

- The AIEES Business Plan identifies four strategic areas of focus: energy technologies, renewable and emerging resources, environmental management, and water resources.
- The AIEES Business Plan was updated in 2012 and identifies the following goals to be achieved by 2020:
  - Identify new game-changing concepts and work with qualified industry partners to advance the commercial readiness of the most promising technologies;
  - Develop environmental benchmarks and efficiency opportunities for recovery applications;
  - Demonstrate novel recovery technologies that improve overall environmental performance by reducing CO<sub>2</sub> emissions, water usage, and the associated land disturbance over current commercial production practices;
  - Demonstrate novel recovery technologies that allow commercial accessibility and recovery of intermediate depth, thin pay, stranded and carbonate resources;
  - Demonstrate one or more integrated in situ recovery and field upgrading processes;
  - Identify and develop research and demonstration of value-added opportunities from current operations and processing of by-product and waste streams; and
  - Demonstrate one or more clean carbon/coal facilities converting low grade feedstocks into clean products.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Energy Innovation Platform of Alberta (EIPA)</b>	Enterprise and Advanced Education	On Track

- EIPA is an online collection of research results, documents, and information resulting from investment by Alberta Innovates - Energy and Environment Solutions.
- Work continued in 2012 as part of the ongoing initiative.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Open Innovation</b>	Enterprise and Advanced Education	On Track

- Open Innovation is a policy for the management of intellectual property within Alberta Innovates Corporations. The guidelines of Open Innovation allow for an open and transparent process for sharing the results of government investments in research and innovation in a way that creates the greatest benefit for Albertans and the Alberta economy. The guidelines enhance existing partnerships and establish new partnerships with key stakeholders in industry, government, and research organizations.
- Work continued in 2012 as part of the ongoing initiative.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Oil Sands Tailings Consortium (OSTC)</b>	Enterprise and Advanced Education	On Track

- The OSTC is working with Alberta Innovates – Energy and Environment Solutions and Alberta Environment and Sustainable Resource Development on the End to End Tailings Management Framework that is investigating all processes in oil sands mining that may impact the water – from the time water leaves the river until it is returned.
- Work continued in 2012 as part of the ongoing initiative.

### **5.3 Facilitate long-term and responsive investment in a balanced research and innovation portfolio.**

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Alberta Innovates Energy and Environment Solutions (AIEES) Research Chairs</b>	Enterprise and Advanced Education	On Track

- The following research chairs are supported by AIEES:
  - Water Quality Management for Oil Sands Extraction, Dr. Subir Bhattacharjee, University of Alberta;
  - Tight Gas Chair, Dr. Roberto Aguilera, University of Calgary;
  - Petroleum Thermodynamics, Dr. John Shaw, University of Alberta;
  - Drilling, Dr. Geir Harland, University of Calgary;
  - Oil Sands Engineering Chair, Dr. Zhenghe Xu, University of Alberta;
  - Petroleum Microbiology, Dr. Gerrit Voordouw, University of Calgary; and
  - Reservoir Simulation, Dr. John Chen, University of Calgary.
- Work continued in 2012 as part of the ongoing initiative.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Alberta Innovates – Technology Futures (AITF) Monitoring Initiatives</b>	Enterprise and Advanced Education	On Track

- AITF researchers are focused on developing new technologies and approaches for monitoring the impacts of oil sands production on the environment. In the past, AITF researchers have developed novel approaches for using carbon isotopes and organic fingerprinting to assess whether groundwater is being impacted by oil sands production. AITF also continues to support the Alberta Biodiversity Monitoring Institute (ABMI) and is working with ABMI partners to monitor a wide range of species across the province and to test new approaches for monitoring wildlife. A significant focus is being placed on Northeast Alberta where there is a concerted effort to increase the frequency and scale of monitoring.
- Work continued in 2012 as part of the ongoing initiative.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Climate Change Emissions Management Corporation (CCEMC) – Research Projects</b>	Enterprise and Advanced Education	On Track

- CCEMC active oil sands projects in 2012 fall into three categories:
  - (1) Energy Efficiency -
    - (i) Vent Gas Capture for Engine Fuel Use;
    - (ii) Energy Efficiency Program Leading to Significant Greenhouse Gas (GHG) Reductions in Alberta's Oil and Gas Industry; and
    - (iii) Alberta Oil Sands Energy Efficiency & GHG Mitigation Roadmap Program.
  - (2) Carbon Sinks -
    - (i) HTC Purenergy/Devon CO<sub>2</sub> Capture Project;
    - (ii) Ceramic Membrane-Based Technology for H<sub>2</sub> Production with CO<sub>2</sub> Capture and Sequestration; and
    - (iii) Once Through Steam Generator Oxy-fuel Demonstration Project.
  - (3) Greening Fossil Fuels -
    - (i) Effective Solvent Extraction Incorporating Electromagnetic Heating (ESEIEH); and
    - (ii) Field Test of ET-DSP(TM) in the Mineable Athabasca Oil Sands.
- In 2012, the Alberta Oil Sands Energy Efficiency & GHG Mitigation Roadmap Program was completed and a final report was released in May. The Roadmap may be accessed at <http://ccemc.ca/project/alberta-oil-sands-energy-efficiency-and-ghg-mitigation-roadmap-program/>. Following completion of a front end engineering design (FEED) study in 2011, the HTC Purenergy/Devon CO<sub>2</sub> Capture Project was awarded additional funding for a pilot plant in March 2012.

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Carbon Capture and Storage Projects</b>	Enterprise and Advanced Education	On Track

- Alberta Innovates – Energy and Environment Solutions (AIESS) and Alberta Innovates – Technology Futures (AITF) continue to advance carbon capture and storage research and technologies in Alberta.
- In 2012, AIEES continued work on carbon capture and storage related projects including:
  - Carbon Dioxide (CO<sub>2</sub>) Sequestration in Saline Aquifers;
  - Potential and Possible Effects of CO<sub>2</sub> Storage in the Basal Aquifer Northern Plains; and
  - Advanced Hydrogen and CO<sub>2</sub> Capture Technology Air Products.

AITF continued collaborating with General Electric and the University of Alberta to advance new membrane technologies that could be used to capture CO<sub>2</sub> associated with hydrogen separation at oil sands upgraders. This project, which is funded by the Government of Alberta and General Electric, brings together nano-scale technologies being developed at the University of Alberta with AITF's materials experts and has the potential to result in significantly lower costs associated with CO<sub>2</sub> capture. AITF also investigated suitable locations for the storage of CO<sub>2</sub> associated with oil sands operations and built on efforts to characterize, model, and monitor the Basal Cambrian deep saline aquifer, which is also a target formation for several oil sands producers.

## STRATEGY SIX

**Increase available information, develop measurement systems, and enhance accountability in the management of the oil sands.**

<b>6.1</b>	<b>Develop transparent and effective performance measurement systems that foster continuous improvement to achieve outcomes.</b>
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<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Oil Sands Sustainability Indicators</b>	Energy	On Track

- Creating and publicly posting sustainability indicators for the three oil sand regions will provide a management tool for the Government of Alberta to gauge responsible and sustainable development and increase data accessibility for the public for a suite of economic, social, and environmental trends.
- In 2012, initial data had been collected on more than a third of the 39 identified indicators and public release on the Energy website was anticipated to start in fiscal year 2013-14.

<b>6.2</b>	<b>Create effective data-management systems to facilitate consistent and uniform planning in the oil sands regions.</b>
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<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Alberta Official Statistics</b>	Treasury Board and Finance	On Track

- The Alberta Treasury Board and Finance Office of Statistics and Information's mandate is to consolidate official statistics and other key government data to support the efficient and strategic management and dissemination of information for policy and decision-making. Consolidation is a collaborative task involving expert staff from all Government of Alberta departments.
- The 2012 Alberta Official Statistics suite included 107 statistics that cover social, economic, and environmental themes.

<b>Project/Initiative</b>	<b>Lead Ministry</b>	<b>Status Dec. 2012</b>
<b>Information Sharing Working Group</b>	Treasury Board and Finance	Complete

Project/Initiative	Lead Ministry	Status Dec. 2012
<b>Implementation of GeoDiscover Program and Portal Tools</b>	Environment and Sustainable Resource Development	Complete

- The GeoDiscover Alberta Program is the main access point for easily integrated, authoritative, and usable geospatial data and services. The data is gathered from various sources to enhance the availability and management of geospatial information across government, industry, and the general public.
- The tool was launched in 2011 and enhanced in 2012 and can be found at <https://maps.srd.alberta.ca/geoportal/>.



## Appendix: Related Government of Alberta Strategies and Initiatives

<p>Responsible Actions: A Plan for Alberta's Oil Sands  <a href="http://www.energy.alberta.ca/pdf/OSSgoaResponsibleActions_web.pdf">http://www.energy.alberta.ca/pdf/OSSgoaResponsibleActions_web.pdf</a></p>	<p>Responsible Actions: A Plan for Alberta's Oil Sands – Implementation Plan  <a href="http://www.energy.alberta.ca/pdf/OSSResponsibleActionsImplementation.pdf">http://www.energy.alberta.ca/pdf/OSSResponsibleActionsImplementation.pdf</a></p>
<p>Alberta Innovates  <a href="http://www.albertainnovates.ca">http://www.albertainnovates.ca</a></p>	<p>Alberta Municipal Affairs — Parsons Creek  <a href="http://www.municipalaffairs.alberta.ca/community_development_advisory_board.cfm">http://www.municipalaffairs.alberta.ca/community_development_advisory_board.cfm</a></p>
<p>Alberta Official Statistics  <a href="https://osi.alberta.ca/osi-content/Pages/Catalogue.aspx">https://osi.alberta.ca/osi-content/Pages/Catalogue.aspx</a></p>	<p>Alberta's Oil Sands  <a href="http://www.oilsands.alberta.ca">http://www.oilsands.alberta.ca</a></p>
<p>Alberta's Traffic Safety Plan: Saving Lives on Alberta's Roads  <a href="http://www.transportation.alberta.ca/3112.htm">http://www.transportation.alberta.ca/3112.htm</a></p>	<p>Bitumen Royalty-In-Kind (BRIK)  <a href="http://www.energy.alberta.ca/BRIK.asp">http://www.energy.alberta.ca/BRIK.asp</a></p>
<p>Building and Educating Tomorrow's Workforce  <a href="http://eae.alberta.ca/labour-and-immigration/betw.aspx">http://eae.alberta.ca/labour-and-immigration/betw.aspx</a></p>	<p>Carbon Capture and Storage  <a href="http://www.energy.alberta.ca/OurBusiness/3815.asp">http://www.energy.alberta.ca/OurBusiness/3815.asp</a></p>
<p>Climate Change Strategy  <a href="http://esrd.alberta.ca/focus/alberta-and-climate-change/climate-change-strategy/default.aspx">http://esrd.alberta.ca/focus/alberta-and-climate-change/climate-change-strategy/default.aspx</a></p>	<p>Comprehensive Regional Infrastructure Sustainability Plans (CRISPs)  <a href="http://www.energy.alberta.ca/Initiatives/3224.asp">http://www.energy.alberta.ca/Initiatives/3224.asp</a></p>
<p>Cumulative Effects Management  <a href="https://www.landuse.alberta.ca/CumulativeEffects/CumulativeEffectsManagement/Pages/default.aspx">https://www.landuse.alberta.ca/CumulativeEffects/CumulativeEffectsManagement/Pages/default.aspx</a></p>	<p>First Nations Consultation Policy on Land Management and Resource Development  <a href="http://www.aboriginal.alberta.ca/571.cfm">http://www.aboriginal.alberta.ca/571.cfm</a></p>
<p>Land-use Framework and the Lower Athabasca Regional Plan  <a href="https://landuse.alberta.ca/Pages/default.aspx">https://landuse.alberta.ca/Pages/default.aspx</a></p>	<p>Oil Sands Information Portal  <a href="http://environment.alberta.ca/apps/osip/">http://environment.alberta.ca/apps/osip/</a></p>
<p>Provincial Energy Strategy  <a href="http://www.energy.alberta.ca/Initiatives/3082.asp">http://www.energy.alberta.ca/Initiatives/3082.asp</a></p>	<p>Regulatory Enhancement  <a href="http://www.energy.alberta.ca/Initiatives/RegulatoryEnhancement.asp">http://www.energy.alberta.ca/Initiatives/RegulatoryEnhancement.asp</a></p>
<p>Spirit of Alberta: Alberta's Cultural Policy  <a href="http://www.culture.alberta.ca/about/premiers-council/cultural-policy/">http://www.culture.alberta.ca/about/premiers-council/cultural-policy/</a></p>	<p>Urban Development Sub-Region (UDSR) for Fort McMurray  <a href="http://www.energy.alberta.ca/Initiatives/3508.asp">http://www.energy.alberta.ca/Initiatives/3508.asp</a></p>