

Alberta's Environmental Products & Services Sector



Sector Profile

- Alberta currently has approximately 1300 plus companies who provide effective solutions to environmental needs.
- Almost half of Alberta environmental businesses have less than 15 employees, and three quarters have less than 50 employees.
- Almost 85% of revenues are earned within Canada, mostly in Alberta.
- Strong history and technical capabilities in serving the natural resource sector



Alberta Strengths

Figure 1: Alberta's Environmental Areas of Expertise



Source: Amberg Corp, 2005.



Strong Industry Organizations

- Environmental Services Association of Alberta
www.esaa.org
- Recycling Council Of Alberta www.recycle.ab.ca
- **PTAC, Petroleum Technology Alliance Canada,**
www.ptac.org
- **CETAC-WEST** , Canadian Environmental Technology
Advancement Corporation-West www.cetacwest.com



Regulatory Trends

- Through the consultation process Albertan's have highlighted some key areas that need to be addressed :
 - Manage the cumulative and regional effects of oil sands development
 - Reduce of water use
 - Increase pace of reclamation
 - Reduce green house gas emissions



Promoting Growth of the Sector

- Collaborate with government and industry on technology research and strategies. i.e. PTAC CO2 Sequestration, CERI Low GHG Intensity Methods for Oilsands Production Study, environmental benefits of industrial integration.
- With partners promote technology verification, demonstration and commercialization in key sub-sectors of remediation, water treatment, and climate change.
- Support growth of Alberta capabilities



Examples Environmental Products and Services used in Oil Sands development

- Water treatment and wastewater treatment
- Environmental impact assessments and approvals
- Wildlife monitoring and studies
- Soil remediation
- NOX and Sox control and capture
- CO2 capture
- Hazardous waste treatment
- Monitoring of air and water
- Energy conservation
- Recycling/resue of industrial and domestic waste products



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