



## EarthRenew and the Alberta Oil Sands

The sustainable development of the Alberta Oil Sands is dependent on meeting the technical and environmental challenges of energy efficiency, greenhouse gas reduction, wastewater and tailings treatment, and successful reclamation of disturbed lands.

EarthRenew is a leading provider of Organic Matter Fertilizer™ products, waste solutions, water recovery and treatment, and energy efficient heat processing technologies. With our patented technologies and products, EarthRenew is positioned to provide solutions to the oil sands industry.

### Water Treatment

- Process affected water
- Brackish & saline water

### Tailings Treatment

- Heat treatment of contaminants
- Water reduction of *mature fine tails* (ERCB Directive 074)

### 85% Energy Efficient Heat Processing

- Extraction & upgrading
- SAGD steam generation
- Electrical generation



### Land Reclamation

- Organic Matter Fertilizer™ products for tailings revegetation & reforestation

EarthRenew has developed, patented and commercialized revolutionary technologies that apply turbine exhaust directly in heat processing, without heat exchangers, while generating electricity. The electricity is sold to offset the cost of the fuel. EarthRenew has patent applications pending specific to the treatment of oil sands tailings using our proven 85% efficient heat processing technology.

If you would like to know more about us, please visit our website at [www.earthrenew.com](http://www.earthrenew.com) or call 1-877-457-7667