

The Alberta Energy Research Institute (AERI), 2000-2009

The **Alberta Energy Research Institute (AERI)** was established August 1, 2000, by the Alberta Science and Research Authority Act and was responsible for all energy-related research for the province. AERI assumed responsibility for the oil and gas research programs previously administered by the [Alberta Oil Sands Technology and Research Authority \(AOSTRA\)](#).

Technology Platforms	Program Areas					
	Bitumen Upgrading	Clean Carbon/ Coal	Improved Recovery	Renewable	CO2 & Emissions	Water Use
CO ₂ Storage and Capture	Major Impact	Major Impact	Secondary Impact	Minor Impact	Major Impact	Minor Impact
Gasification	Major Impact	Major Impact	Secondary Impact	Major Impact	Major Impact	Secondary Impact
Catalysis	Major Impact	Major Impact	Secondary Impact	Secondary Impact	Secondary Impact	Minor Impact
Hydrogen Generation	Major Impact	Major Impact	Minor Impact	Major Impact	Secondary Impact	Minor Impact
Separation Technologies	Major Impact	Major Impact	Secondary Impact	Major Impact	Major Impact	Major Impact
In Situ Processes	Secondary Impact	Minor Impact	Major Impact	Secondary Impact	Major Impact	Major Impact
Advanced and Nano Materials	Major Impact	Major Impact	Secondary Impact	Major Impact	Secondary Impact	Secondary Impact

Major Impact
 Secondary Impact
 Minor Impact

In 2004, AERI consulted with stakeholders to create the *Alberta Energy Innovation Strategy*. Adopted as government policy, the strategy links government departments and serves as the innovation component of Alberta's Integrated Energy Vision, Climate Change Action Plan, and the Value Added Strategy. It is also well positioned to serve as the energy research component of the Water for Life Strategy. The *Alberta Energy Innovation Strategy* is based on the following key principles:

- Secure maximum value for Albertans from all energy resources
- Reduce the environmental impacts of energy development
- Stimulate economic development in Alberta
- Increase access and effectiveness of energy markets
- Increase development of clean energy
- Increase the public's acceptance of industry's access to resources

One of AERI's primary accomplishments was applying the concept of technology platforms to create an integrated energy system where technology advancement can have impact and application in several areas. An example of this is to couple gasification with carbon capture and storage.

As part of our commitment to open innovation, AERI launched the Energy Innovation Platform of Alberta (EIPA), which is a web-based service allowing the public access to titles and abstracts of 35 years of government-funded research projects.

After nearly a decade of continuing Alberta's commitment to energy research and innovation, AERI was dissolved with the evolution of Alberta Innovates – Energy and Environment Solution in January 2010.