Alberta's Oil Sands Projects and Upgraders

DISCLAIMER
The map excludes active projects with production of less than 1,000 barrels of bitumen in the last six months.

Locations are approximate and may not represent the full extent of project areas. Leased Oil Sands Area information is shown to the nearest quarter section, and therefore may appear to include minerals not owned by the Alberta Crown or lessee. Information was updated as of 2016.

The data represented was obtained from the source information listed and internal records as well as public announcements made at the time of publication and are subject to change; therefore the Government of Alberta assumes no responsibility for discrepancies at time of use.

PROJECT STATUS DEFINITIONS
Project: Producing Bitumen from Oil Sands Product as of last period.
Construction: Onsite construction has commenced.
Application: Regulatory approvals required to operate have been received.
Announced: Application is being reviewed by the AER and ABP.
Terminated: Operator has disclosed intent to construct project.

SOURCE INFORMATION:
Projects & Upgrader Information:
- Oil Sands Administration & Strategic Information System, Alberta Energy
- Integrated Applications Registry, Alberta Energy Regulator
- Oil Sands Operations Information System Update (Summer 2014)
- CanDis <http://www.canals.com/>

Industrial Heartland: Alberta's Industrial Heartland Association (AHA)
Leased Oil Sands Area, Alberta Energy (August 2015)
Oil Sands & Surface Mineable Areas, Alberta Energy Regulator (AESG)

Produced by: Resource Mapping & Analysis, Alberta Energy (JS)

Notes:
Primary/EOR: These projects utilize the natural energy available in the reservoirs (in some cases supplemented by non-thermal EOR processes) to produce bitumen.
Thermal: These projects apply thermal energy (usually steam) to produce bitumen.
Surface Mineable: These projects utilize open pit mining methods to remove bituminous ore, which is subsequently processed to recover bitumen.

Other Information:
- Oil Sands
- Surface Mineable
- Industrial Heartland
- Leased Oil Sands
- Municipality
- Urban Development
- Sub-Region
- Hydrography
- Major Highway

Terrestrial - Mercator Projection (T64)
### Alberta's Oil Sands Projects and Upgraders

--- Cold Lake / Industrial Heartland ---

#### Project Status

- Operating (62)
- Construction (0)
- Approved (3)
- Application (0)
- Announced (0)

#### Upgrader Status

- Operating (1)
- Construction (1)
- Approved (1)
- Application (0)

#### Other Information

- **Oil Sands**
- **Industrial Heartland**
- **Leased Oil Sands**
- **Municipality**
- **Hydrography**

#### Major Highway

#### Area Enlarged

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**Disclaimer:**

The map excludes active projects with production of less than 1,300 barrels of bitumen in the last six months.

Location data approximate and may not represent the full extent of project areas. Leased Oil Sands Area information is shown to the nearest quarter section, and therefore may appear to include lands not owned by the Alberta Crown and/or Minerals Reserved From Disposition.

The data represented was obtained from the source information listed and is subject to change as well as public announcements made at the time of publication. The Government of Alberta assumes no responsibility for inaccuracies at time of use.

**Project Status Definition:**

- Operating: Producing Oil Sands or Oil Sands Products as of last period.
- Approved: Regulatory approvals required to operate have been received.
- Application: Application is being reviewed by the AGA and/or AER.
- Announced: Operator has disclosed intent to construct project.

**Source Information:**

- Projects & Operations Information: Oil Sands Administration & Strategic Information System, Alberta Energy
- Integrated Application Registry, Alberta Energy Regulatory
- Alberta Oil Sands - Quarterly Update (Summer 2015)

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**Project Status Definitions:**

- **Mining** - These projects utilize open pit mining methods to remove bituminous ore, which is subsequently processed to recover bitumen.
- **Thermal** - These projects apply thermal energy (usually steam) in situ to produce bitumen.
- **EOR (Enhanced Oil Recovery)** - These projects utilize the natural energy available in the reservoirs (in some cases, EOR technology is used to recover additional bitumen from producing wells).

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**Notes:**

- Primary/EOR: These projects utilize the industrial energy available in the reservoirs to produce additional bitumen.
- Other: These projects utilize the natural energy available in the reservoirs to produce additional bitumen.
- **Products:**
  - Synthetic bitumen
  - Diesel
  - Processed Athabasca bitumen
  - Synthetic bitumen derived from other sources

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**Projects & Upgraders Information:**

- Oil Sands Administration & Strategic Information System, Alberta Energy
- Integrated Application Registry, Alberta Energy Regulator

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**Transverse Mercator Projection (10TMS); North American Datum 1983 (NAD83).**

**Produced by: Resource Mapping & Analysis, Alberta Energy (JS).**

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**Produced by:** Resource Mapping & Analysis, Alberta Energy (JS).
Alberta's Oil Sands Projects and Upgraders

-- Peace River --

**Project Status**
- Operating (30)
- Construction (0)
- Approved (1)
- Application (0)
- Announced (0)

**Other Information**
- Oil Sands Area
- Leased Oil Sands Area
- Municipality
- Hydrography
- Major Highway

**Upgrader Status**
- Operating (0)
- Construction (0)
- Approved (0)
- Application (0)

**Notes:**
- These projects utilize open pit mining methods to remove bituminous ore, which is subsequently processed to recover bitumen.
- These projects are supplemented by non-thermal EOR processes to produce bitumen.

**Sources:**
- Oil Sands Administration & Strategic Information System, Alberta Energy
- Integrated Application Registry, Alberta Energy Regulator
- Alberta Oil Sands - Quarterly Update (June 2016)
- Industrial Heartland: Alberta's Industrial Heartland Association (AIHA)
- Leased Oil Sands Area, Alberta Energy (August 2016)
- Oil Sands & Surface Mining Area Information System (AMS) which provides the Government of Alberta under the Alberta Open Government Licence.

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**PROJECT STATUS DEFINITION:**
- Operating: Producing Bitumen &/or Oil Sands Product as of last period.
- Construction: On-site construction has commenced.
- Approved: Regulatory approvals required to operate have been received.
- Application: Application is being reviewed by the AER and/or AEP.
- Announced: Operator has disclosed intent to construct project.

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**Date:** August 2016

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