Alberta's Oil Sands Projects and Upgraders

**Project Status**
- Operating (126)
- Construction (7)
- Approved (15)
- Application (18)
- Announced (10)

**Upgrader Status**
- Operating (4)
- Construction (1)
- Approved (2)
- Application (3)

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

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

Locators 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 and/or Minerals Reserved From Disposition.

The data represented was obtained from the source information listed above 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 Definition**
- Operating: Producing Bitumen from Oil Sands Product at last report.
- Construction: On-scope construction has commenced.
- Approved: Regulatory approval required to operate has been received.
- Application: Application is being reviewed by the AER and/or AEP.
- Announced: Operator has disclosed intent to construct project.

**Source Information**
- Oil Sands Administration & Strategic Information System,
  Alberta Energy

**Legend**
- These projects apply thermal energy (usually steam) in situ to produce bitumen.

**Terms of Use**
The product of the data represented within may not be revised, corrected, or used in any way, without prior consent of Alberta Energy, the Government of Alberta.

**Map Credits**
- Base: MapSource, Inc. Symbology: MapSource, Inc. 
- Map Image: Industrial Heartland Association and the Government of Alberta
Alberta's Oil Sands Projects and Upgraders -- Peace River --

**Project Status**
- Operating (26)
- 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)

**DISCLAIMER:**
This map indicates 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 and/or Minerals Reserved From Disposition.

The data represented is a snapshot of information based on 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 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.

**SOURCE INFORMATION:**
- Projects & Upgraders information:
  - Oil Sands Administration & Strategic Information System, Alberta Energy
  - Integrated Application Registry, Alberta Energy, Registrar
  - Alberta Oil Sands - Quarterly Updates (Winter 2017)
  - Industrial Heartland - Alberta's Industrial Heartland Association (AIHA)
  - Leased Oil Sands Area: Alberta Energy (February 2017)
  - Oil Sands & Surface Mineral Areas: Alberta Energy (February 2017)

- Hydrography
- Municipality
- Oil Sands Area

**PROJECT STATUS**

<table>
<thead>
<tr>
<th>REF #</th>
<th>OPERATOR - PROJECT NAME</th>
<th>PROJECT TYPE</th>
<th>STAGE</th>
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<td>Construction</td>
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<td>Baytex - Winalis</td>
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<td>126</td>
<td>Murphy Oil - Murphy Oilfield</td>
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<td>Murphy Oil - Murphy Seal</td>
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<td>Murphy Oil - Seal Cadotte</td>
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<td>131</td>
<td>Murphy Oil - Seal Northern Cadotte Block</td>
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<td>132</td>
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<td>Penn West Petroleum - Seal Cadotte</td>
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<td>134</td>
<td>Penn West Petroleum - Seal Northern Cadotte Block</td>
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<td>Prosper Petroleum Ltd - Chipmunk II</td>
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<td>Shell - Chipmunk</td>
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<td>Baytex - Harmon Valley - Pilot</td>
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<td>145</td>
<td>Shell - Peace River Bluesky</td>
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<td>146</td>
<td>Northern Alberta Oil - Sawn Lake</td>
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</table>

**TERMS OF USE:**
- These projects utilize open pit mining methods to remove bituminous ore.
- These projects apply thermal energy (usually steam) in situ to produce bitumen.
- These projects utilize the natural energy available in the reservoirs (in some cases supplemented by non-thermal EOR processes) to produce bitumen.
- These projects operate on a (non-commercial) pilot scale.
- These projects are not expected to contribute significantly to future production.

**Note:**
Primary/EOR: These projects claim the required energy available in the reservoirs is sufficient to meet thermal EOR parameters to produce bitumen.
Announced: Operator has disclosed intent to construct project.
Operating: Producing Bitumen &/or Oil Sands Product as of last period.
Construction: On-site construction has commenced.
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**North American Datum 1983 (NAD83)**

**Transverse Mercator Projection (10TM)**

**Kilometers**

**Enlarged Map of Alberta's Oil Sands Projects and Upgraders -- Peace River --**