

Oilsands

| Company Name | Project Description | Project Location | Cost in \$ Millions | Construction Schedule | Remarks |
|--|---|--|---------------------|-----------------------|--|
| Albian Sands Energy Ltd. (Royal Dutch Shell / Chevron Canada / Marathon Oil Corp.) | Scotford Upgrader Expansion (De-bottleneck and Addition of Third Bitumen Processing Train) for Alberta Oil Sands Project (AOSP) | Strathcona County (Scotford) | \$5,600.0 | 2006-2010 | Under construction. Approved August 2006. Corporate approval Nov 2006. Proposed (phase 1). Application filed September 2007. Corporate decision late 2009 / early 2010 re when project will proceed. |
| Canadian Natural Resources Ltd. (CNRL) | 'Kirby' In - Situ Oilsands Project | RM of Wood Buffalo | \$620.0 | | On hold pending commodity price improvements and review of capital costs. Approved Jan 2004. |
| Canadian Natural Resources Ltd. (CNRL) | 'Project Horizon' Mining and Drilling Project phases 2 and 3 | RM of Wood Buffalo | \$3,100.0 | 2007-2013 | |
| Connacher Oil & Gas Ltd. | 'Algar' SAGD Project (Pod 2) | RM of Wood Buffalo (SW of Fort McMurray) | \$363.0 | 2008-2010 | Under construction |
| Devon Canada Corp. | 'Jackfish' SAGD Oilsands Project Phase 2 (J2) | RM of Wood Buffalo (SE of Conklin) | \$1,060.0 | 2008-2011 | Under construction. Application approved. |
| EnCana Corporation | SAGD Bitumen Production | RM of Wood Buffalo (Christina Lake) | \$575.0 | 2000-2009 | Under construction. AMEC / Titan Projects JV(EP & CM). Three phases. |
| EnCana Corporation | 'Borealis' SAGD Project Phase 1 | RM of Wood Buffalo (N of Fort McMurray) | \$1,000.0 | | Proposed for 2010 - 2014. Preliminary application filed. |
| E-T Energy Ltd. | 'Poplar Creek' Bitumen Extraction Project | RM of Wood Buffalo | \$100.0 | | Proposed for 2010 - 2011. |
| Fort Hills Energy Corp. (Suncor Energy Inc -- formerly Petro - Canada Oil Sands / UTS Energy Corp. / Teck Cominco) | 'Fort Hills' Oilsands Mine | RM of Wood Buffalo | \$10,000.0 | | On hold pending review of project costs and merger talks with Suncor. Decision to proceed to be made second half 2009. |
| Husky Energy Inc. / BP PLC | 'Sunrise Thermal Project' SAGD Oilsands Project Phase 1 | RM of Wood Buffalo (N of Fort McMurray) | \$2,500.0 | | On hold pending review of costs and project optimization. FEED completed. Application approved. Corporate decision by mid - 2010. |
| Husky Energy Inc. / BP Plc. | 'Sunrise Thermal Project' Phase 2 | RM of Wood Buffalo | \$1,900.0 | | On hold pending review of costs and project optimization |
| Imperial Oil Ltd. | 'Nabiye' OILSANDS PROJECT | MD of Bonnyville (Cold Lake area) | \$1,300.0 | | Proposed |
| Imperial Oil Resources / ExxonMobil Canada | 'Kearl Lake' Oilsands Mine Phase 1 | RM of Wood Buffalo | \$8,000.0 | 2009-2012 | Announced. Three production trains / phases in total. Application approved (all phases). AMEC (EPC). Fluor Corp infrastructure and facilities. |
| Ivanhoe Energy | 'Tamarack' Bitumen Project phase 1 | RM of Wood Buffalo (north of McMurray) | \$250.0 | | Proposed for 2012 - 2013. Plan to submit application June 2010. Expected FEED completion November 2009. Looking for joint venture partner. August 2009 |

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| Japan Canada Oil Sands Limited (JACOS) / Nexen Inc. | Hangingsone SAGD Commercial Production Project | RM of Wood Buffalo (S of Fort McMurray) | \$750.0 | Proposed for 2012 - 2014. Proposed application filing first quarter 2010. |
| MEG Energy Corp. | In Situ Oilsands Project Phase 2B | RM of Wood Buffalo (Christina Lake) | \$1,200.0 | Proposed for 2010 - 2012. |
| North American Oil Sands Corp. (NAOSC) (now owned by Statoil ASA) | 'Kai Kos Dehseh' Bitumen (SAGD) Project Phase 1 | RM of Wood Buffalo (near Conklin) | \$850.0 2008-2009 | Under construction (demonstration plant). Application filed March 2008. |
| North West Upgrading Inc. | Bitumen Upgrader Phase 1 | Sturgeon County | \$4,200.0 | On hold pending financing. Three phases in total. EPC SNC-Lavalin, PCL Industrial Management. Site preparation completed. |
| N-Solv Corp. | Pilot Plant | RM of Wood Buffalo | \$50.0 | Proposed. Planned construction start late 2010 or early 2011. |
| OPTI Canada / Nexen Inc. | 'Long Lake South' SAGD Project Phase 2 (Kinosis) | RM of Wood Buffalo | \$2,790.0 | On hold due to uncertain financial markets and escalating capital cost. Cost estimates are preliminary. Corporate approval deferred til mid 2010. Possible construction start in 2012. |
| OPTI Canada Inc / Nexen Inc. | Ash Processing Pit (part of Long Lake project) | RM of Wood Buffalo | \$175.0 2008-2010 | Under construction. |
| Petrobank Energy and Resources | 'May River' Commercial Bitumen Project Phase 1 | RM of Wood Buffalo | \$225.0 | Proposed for 2010 - 2012. Application filed December 2008. FEED underway. |
| Royal Dutch Shell | 'Orion' Heavy Oil SAGD Facility (Phases 1 and 2) | MD of Bonnyville (Hilda Lake) | \$340.0 2005-2010 | Under construction. Phase 1 completed, phase 2 on hold pending review. Approved Oct 2004. Phased development, building to 20,000 bpd. |
| Shell Canada Energy | Scotford Upgrader 2 (SU2) | Strathcona County (Scotford) | \$22,000.0 | On hold pending commodity price improvements and capital cost review. Three phases. Application filed July 2007. |
| Shell Canada Energy on behalf of Athabasca Oil Sands Project | Muskeg River Mine Expansion (part of Alberta Oil Sands Project (AOSP)) | RM of Wood Buffalo | \$5,000.0 2007-2010 | Under construction. Approved December 2006. Corporate approval Nov 2006. |
| Shell Canada Energy on behalf of Athabasca Oil Sands Project | 'Jackpine' Mine Mining and Extraction Facility phase 1 | RM of Wood Buffalo (near Fort MacKay) | \$2,000.0 2007-2010 | Under construction. Approved Feb 2004. Includes 170MW power plant. |
| Southern Pacific Resource Corp. | SAGD OILSANDS PROJECT | RM of Wood Buffalo (N of Fort McMurray) | \$394.3 | Proposed. Application filed May 2009. |
| Suncor Energy Inc. | 'Voyageur South' Oilsands Mining Operation | RM of Wood Buffalo | \$4,400.0 | On hold pending market conditions. Application filed July 2007. Corporate approval January 2008. |
| Suncor Energy Inc. | 'Firebag' Oilsands Project Stages 3 to 6 | RM of Wood Buffalo | \$9,000.0 2006-2012 | On hold. Construction of phase 3 suspended. Stage 3 approved Mar 2004. FEED co-gen plant Washington Group Northern / Canonbie Contracting. |

Inventory of Major Alberta Projects
by Sector

August 2009

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| Suncor Energy Inc. | 'Voyageur' Oil Sands Third Upgrader (U3) | RM of Wood Buffalo | \$11,600.0 | 2007-2013 | On hold. Approved November 2006. Corporate approval January 2008. Project does not include bitumen feed to upgrader. |
| Suncor Energy Inc. | North Steepbank Mine Extension | RM of Wood Buffalo | \$400.0 | 2008-2009 | On hold. Application approved November 2006. |
| Suncor Energy Inc. (formerly Petro - Canada Oil and Gas) | MacKay River SAGD Expansion | RM of Wood Buffalo (NW of Fort McMurray) | \$1,000.0 | | On hold pending review of project costs and Suncor/PetroCanada merger. Application filed Dec 2005. |
| Suncor Energy Services | 'Voyageur Village' Administration and Support Buildings | RM of Wood Buffalo | \$234.0 | 2007-2010 | Under construction. EllisDon Construction. |
| Suncor Energy Services | 'Firebag' Administration Complex and Village Camp Core | RM of Wood Buffalo (N of Fort McMurray) | \$177.0 | 2007-2009 | On hold. Bird Construction. |
| Sunshine Oilsands | 'West Ells' Oilsands Project | MD of Opportunity | \$385.0 | | Proposed for 2010 - 2011. Application to be filed second quarter 2009. |
| Synchrude Canada Ltd. | Phase 4: Upgrader Expansion Phase 2 / Aurora Mine Train 3 | RM of Wood Buffalo (Fort McMurray) | \$2,300.0 | | Proposed. Pre-engineering study underway (AMEC). Expansion SNC-Lavalin, Fluor Daniel. Train 3 AMEC. |
| Synchrude Canada Ltd. | Sulphur Emission Reduction Program (SERP) | RM of Wood Buffalo (Mildred Lake) | \$1,600.0 | 2005-2011 | Underway. Application approved. |
| Total E&P Canada Ltd. | North Mine Development | RM of Wood Buffalo | \$9,000.0 | | Proposed. Delayed pending regulatory approvals and review of capital costs. Application filed early 2006. |
| Total E&P Canada Ltd. | Bitumen Upgrader Phase 1 | Strathcona County | \$8,000.0 | 2012-2019 | Announced. Delayed pending approvals. Application filed December 2007. Hearing expected late 2009 / early 2010. |
| UTS Energy / Teck Cominco | 'Equinox' Oil Sands Mine (Lease 14) | RM of Wood Buffalo | \$2,500.0 | | Proposed for 2011 - 2014. |
| UTS Energy / Teck Cominco | 'Frontier' Oil Sands Mine Phase 1 | RM of Wood Buffalo | \$6,000.0 | | Proposed for 2012 - 2015. |
| Value Creation Inc. | 'Terre de Grace' SAGD Oilsands Project | RM of Wood Buffalo | \$3,500.0 | | On hold pending financing. |