



THE OIL SANDS
DEVELOPERS GROUP

Energy From Athabasca

Oil Sands Project List

Updated as of October 2012

Disclaimer

This presentation contains forward-looking information. Actual results could differ materially due to market conditions, changes in law or government policy, changes in operating conditions and costs, changes in project schedules, operating performance, demand for oil and gas, commercial negotiations or other technical and economic factors.

The figures in this presentation are based on production capacity and do not reflect actual production. Production Capacity is the potential or maximum amount of barrels per day a company can produce in a period of time. Actual Production is the actual amount of barrels per day the company is producing at the present time.

Data sources: All data used in the project lists are publicly available.

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Existing and proposed oil sands projects

1) Operating Projects: 2,250,400 barrels per day

- Mining – 1,303,000 barrels per day
- In-situ – 947,400 barrels per day

2) Under Construction: 787,905 barrels per day

- Mining – 220,000 barrels per day
- In-situ – 567,905 barrels per day

3) Projects with Regulatory Approval: 2,215,950 barrels per day

- Mining – 1,010,000 barrels per day
- In-situ – 1,205,950 barrels per day

4) Projects Under Regulatory Review: 2,380,270 barrels per day

- Mining – 595,000 barrels per day
- In-situ – 1,785,270 barrels per day

5) Projects Announced / Disclosed: 1,404,000 barrels per day

- Mining – 100,000 barrels per day
- In-situ – 1,304,000 barrels per day

Oil Sands Mining and In-Situ Projects – Summary

Project Status	Production Capacity (barrels per day) Mining	Production Capacity (barrels per day) In -Situ
Projects in Operation	1,303,000	947,400
Projects Under Construction	220,000	567,905
Projects with Regulatory Approval	1,010,000	1,205,950
Projects Under Regulatory Review	595,000	1,785,270
Projects Announced/Disclosed	100,000	1,304,000
Total Production Capacity	3,228,000	5,810,525

Projects Operating - Mining

<u>Mining</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Canadian Natural Resources Ltd. Horizon Phase 1	135,000	Athabasca North	2008
Canadian Natural Resources Ltd. Tranche 2	5,000	Athabasca North	2012
Shell Albian Sands Jackpine Phase 1A	100,000	Athabasca North	2010
Shell Albian Sands Muskeg River Commercial	155,000	Athabasca North	2002
Suncor Energy Inc. Base Operations Millennium Debottlenecking	23,000	Athabasca North	2008
Suncor Energy Inc. Base Operations Millennium Mine	294,000	Athabasca North	1967
Suncor Energy Inc. Base Operations North Steepbank Extension	180,000	Athabasca North	2012
Suncor Energy Inc. Base Operations Steepbank Debottleneck Phase 3	4,000	Athabasca North	2007
Synchrude Canada Ltd. Mildred Lake/Aurora North & South Base Mine Stage 1 & 2 Expansion	290,700	Athabasca North	1978
Synchrude Canada Ltd. Mildred Lake/Aurora North & South Stage 3 Expansion	116,300	Athabasca North	2006

Total 1,303,000

Projects Under Construction - Mining

<u>Mining</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Imperial Oil Ltd : Kearl Phase 1	110,000	Athabasca North	2012
Imperial Oil Ltd : Kearl Phase 2	110,000	Athabasca North	2015

Total 220,000

Projects Under Regulatory Review – Mining

<u>Mining</u>	<u>Bitumen Capacity y (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Shell Albian Sands : Pierre River Phase 1	100,000	Athabasca North	2018
Shell Albian Sands : Pierre River Phase 2	100,000	Athabasca North	TBD
Suncor Energy Inc. : Voyageur South Phase 1	120,000	Athabasca North	TBD
Teck Resources Ltd. : Frontier Phase 1	75,000	Athabasca North	2021
Teck Resources Ltd. : Frontier Phase 2	80,000	Athabasca North	2024
Teck Resources Ltd. : Frontier Phase 3	80,000	Athabasca North	2027
Teck Resources Ltd. : Frontier Phase 4 Equinox	40,000	Athabasca North	2030

Total 595,000

Projects With Regulatory Approval – Mining

<u>Mining</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Canadian Natural Resources Ltd. : Horizon Phase 2A	10,000	Athabasca North	2014
Canadian Natural Resources Ltd. : Horizon Phase 2B	45,000	Athabasca North	TBD
Canadian Natural Resources Ltd. : Horizon Phase 3	80,000	Athabasca North	TBD
Imperial Oil Ltd : Kearl Phase 3 Debottleneck	70,000	Athabasca North	2020
Shell Albian Sands : Jackpine Expansion	100,000	Athabasca North	2017
Shell Albian Sands : Jackpine Phase 1B	100,000	Athabasca North	TBD

Projects With Regulatory Approval Continued – Mining

<u>Mining</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Shell Albian Sands : Muskeg River Expansion & Debottlenecking	115,000	Athabasca North	TBD
Syncrude Canada Ltd. : Mildred Lake/Aurora North & South Aurora South Train 1	100,000	Athabasca North	2016
Syncrude Canada Ltd. :Mildred Lake/Aurora North & South Aurora South Train 2	100,000	Athabasca North	2018
Total E&P Canada : Joslyn North Mine Phase 1	100,000	Athabasca North	2018
Suncor Energy Inc. : Fort Hills Debottleneck	25,000	Athabasca North	TBD
Suncor Energy Inc. : Fort Hills Phase 1	165,000	Athabasca North	2016

Total 1,010,000

Projects Announced/Disclosed – Mining

<u>Mining</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Total E&P Canada : Joslyn South Mine Phase 1	100,000	Athabasca North	TBD

Total 100,000

Projects Operating – In-situ (1)

<u>In-situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
BlackPearl Resources Inc. : Blackrod Pilot	800	Athabasca South	2011
Canadian Natural Resources Ltd. : Primrose East	32,000	Cold Lake	2008
Canadian Natural Resources Ltd. : Primrose North	30,000	Cold Lake	2006
Canadian Natural Resources Ltd. : Primrose South	45,000	Cold Lake	1985
Canadian Natural Resources Ltd. : Wolf Lake	13,000	Cold Lake	1985
Cenovus Energy Inc. : Christina Lake Phase 1A	10,000	Athabasca South	2002
Cenovus Energy Inc. : Christina Lake Phase 1B	8,800	Athabasca South	2008
Cenovus Energy Inc. : Christina Lake Phase C	40,000	Athabasca South	2011
Cenovus Energy Inc. : Foster Creek Phase A	24,000	Athabasca South	2001
Cenovus Energy Inc. : Foster Creek Phase B Debottleneck	6,000	Athabasca South	2003

Projects Operating – In-situ (2)

<u>In-situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Cenovus Energy Inc. : Foster Creek Phase C Stage 1	10,000	Athabasca South	2005
Cenovus Energy Inc. : Foster Creek Phase C Stage 2	20,000	Athabasca South	2007
Cenovus Energy Inc. Foster Creek Phase D	30,000	Athabasca South	2009
Cenovus Energy Inc. : Foster Creek Phase E	30,000	Athabasca South	2009
Cenovus Energy Inc. : Pelican Lake Grand Rapids Pilot	600	Athabasca South	2011
Connacher Oil and Gas Limited : Great Divide Algar Pod 2	10,000	Athabasca South	2010
Connacher Oil and Gas Limited : Great Divide Pod 1	10,000	Athabasca South	2007
ConocoPhillips Canada Limited : Surmont Phase 1	27,000	Athabasca South	2007
ConocoPhillips Canada Limited : Surmont Pilot	1,200	Athabasca South	2015
Devon Canada Corporation : Jackfish Phase 1	35,000	Athabasca South	2007
Devon Canada Corporation : Jackfish Phase 2	35,000	Athabasca South	2011
Poplar Creek Pilot	1,000	Athabasca North	2007

Projects Operating – In-situ (3)

<u>In-situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Husky Energy Inc. : Tucker Phase 1	30,000	Cold Lake	2006
Imperial Oil Limited : Cold Lake Phase 1-10	110,000	Cold Lake	1985
Imperial Oil Limited : Cold Lake Phase 11-13	30,000	Cold Lake	2002
Japan Canada Oil Sands Limited : Hangingstone Pilot	11,000	Athabasca South	1999
Laricina Energy Ltd. : Saleski Pilot	1,800	Athabasca South	2011
MEG Energy : Christina Lake Phase 1 Pilot	3,000	Athabasca South	2008
MEG Energy : Christina Lake Phase 2A	22,000	Athabasca South	2009
Nexen Inc. : Long Lake Phase 1	72,000	Athabasca South	2008
Pengrowth Energy Corporation : Lindbergh Pilot	1,200	Cold Lake	2012
Royal Dutch Shell plc : Peace River Cadotte Lake	12,500	Peace River	1986
Southern Pacific Resource Corp. : Red Earth Pilot	1,000	Peace River	2009

Projects Operating – In-situ (4)

<u>In-situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Statoil Canada Ltd. : Kai Kos Dehseh Leismer Demonstration	10,000	Athabasca South	2010
Suncor Energy Inc. : Firebag Cogeneration and Expansion	25,000	Athabasca North	2007
Suncor Energy Inc. : Firebage Stage 1	35,000	Athabasca North	2004
Suncor Energy Inc. : Firebage Stage 2	35,000	Athabasca North	2006
Suncor Energy Inc. : Firebage Stage 3	62,500	Athabasca North	2011
Suncor Energy Inc. : MacKay River Phase 1	33,000	Athabasca North	2002
Sunshine Oil Sands : Harper Carbonate Pilot	1,000	Athabasca North	2011
Royal Dutch Shell Plc.: Orion Phase 4	10,000	Cold Lake	2007
Southern Pacific Resource Corp: STP McKay Project Phase 1	12,000	Athabasca North	2012
Royal Dutch Shell plc : Orion Phase 1	10,000	Cold Lake	2007
	Total	947,500	



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Projects Under Construction – In-situ

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Canadian Natural Resources Ltd. : Kirby (South) Phase 1	40,000	Athabasca South	2013
Cenovus Energy Inc. : Christina Lake Phase D	40,000	Athabasca South	2012
Cenovus Energy Inc. : Christina Lake Phase E	40,000	Athabasca South	2013
Cenovus Energy Inc. : Foster Creek Phase F	45,000	Athabasca South	2014
ConocoPhillips Canada Limited : Surmont Phase 2	109,000	Athabasca South	2015
Devon Canada Corporation : Jackfish Phase 3	35,000	Athabasca South	2015
Dover Operating Corp. : MacKay River Phase 1	35,000	Athabasca North	2014
Grizzly Oil Sands Ulc : Algar Lake Phase 1	5,650	Athabasca South	2013
Harvest Operations Corp.: BlackGold Phase 1	10,000	Athabasca South	2014
Husky Energy Inc. : Sunrise Phase 1	60,000	Athabasca North	2014

Projects Under Construction – In-situ - continued

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Husky Energy Inc. : McMullen Air Injection Pilot Experimental	755	Athabasca South	2012
Imperial Oil Limited : Cold Lake Phase 14-16	40,000	Cold Lake	2014
Laricina Energy Ltd. : Germain Phase 1 Commercial Demonstration	5,000	Athabasca South	2013
MEG Energy : Christina Lake Phase 2B	35,000	Athabasca South	2013
Petrobank Energy & Resources Ltd. : Dawson THAI Demonstration Experimental	TBD	Peace River	2013
Suncor Energy Inc. : Firebag Stage 4	62,500	Athabasca North	2013
Sunshine Oil Sands West Ells A Phase 1	5,000	Athabasca North	2013

Total 567,905

Projects With Regulatory Approval – In-situ

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Andora Energy Corporation : Sawn Lake SAGD Demonstration	1,400	Peace River	TBD
B.P p.l.c: Terre de Grace Pilot	10,000	Athabasca North	TBD
Cenovus Energy Inc. Christina Lake Phase F	50,000	Athabasca South	2016
Cenovus Energy Inc. Christina Lake Phase G	40,000	Athabasca South	2017
Cenovus Energy Inc. Foster Creek Phase G	40,000	Athabasca South	2015
Cenovus Energy Inc. Foster Creek Phase H	40,000	Athabasca South	2016
Cenovus Energy Inc. Narrows Lake Phase 1	45,000	Athabasca South	2017
Cenovus Energy Inc. Narrows Lake Phase 2	45,000	Athabasca South	TBD
Cenovus Energy Inc. Narrows Lake Phase 3	40,000	Athabasca South	TBD
Dover Operating Corp. MacKay River Phase 2	40,000	Athabasca North	2017
Dover Operating Corp. MacKay River Phase 3	40,000	Athabasca North	2019
Dover Operating Corp. MacKay River Phase 4	35,000	Athabasca North	TBD
Grizzly Oil Sands Ulc Algar Lake Phase 2	5,650	Athabasca South	2014
Husky Energy Inc. Sunrise Phase 2	50,000	Athabasca North	2016
Husky Energy Inc. Sunrise Phase 3	50,000	Athabasca North	TBD
Husky Energy Inc. Sunrise Phase 4	50,000	Athabasca North	TBD

Projects With Regulatory Approval – In-situ – cont.

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Husky Energy Inc. Caribou Demonstration	10,000	Cold Lake	TBD
Koch Exploration Canada Corp Gemini Stage 1	1,200	Cold Lake	TBD
Koch Exploration Canada Corp Gemini Stage 2	10,000	Cold Lake	TBD
MEG Energy Christina Lake Phase 3A	50,000	Athabasca South	2016
MEG Energy Christina Lake Phase 3B	50,000	Athabasca South	2018
MEG Energy Christina Lake Phase 3C	50,000	Athabasca South	2020
Nexen Inc. Long Lake South (Kinosis) Phase 1	40,000	Athabasca South	TBD
Nexen Inc. Long Lake South (Kinosis) Phase 2	40,000	Athabasca South	TBD
Nexen Inc. Long Lake Phase 2	72,000	Athabasca South	TBD
Northern Alberta Oil Ltd. Sawn Lake CSS Pilot	700	Peace River	TBD
Royal Dutch Shell plc Orion Phase 2	10,000	Cold Lake	TBD
Statoil Canada Ltd. Kai Kos Dehseh Corner	40,000	Athabasca South	2017
Statoil Canada Ltd. Kai Kos Dehseh Leismer Commercial	10,000	Athabasca South	TBD
Statoil Canada Ltd. Kai Kos Dehseh Leismer Expansion	20,000	Athabasca South	TBD



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Projects With Regulatory Approval – In-situ – cont.

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Suncor Energy Inc. Firebag Stage 5	62,500	Athabasca North	2018
Suncor Energy Inc. Firebag Stage 6	62,500	Athabasca North	2019
Suncor Energy Inc. Meadow Creek Phase 1	40,000	Athabasca South	TBD
Suncor Energy Inc. Meadow Creek Phase 2	40,000	Athabasca South	TBD
Sunshine Oil Sands West Ells A Phase 2	5,000	Athabasca North	2014
Total	1,205,950		

Projects Under Regulatory Review – In-situ (1)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Alberta Oilsands Inc. : Clearwater Pilot	4,350	Athabasca South	TBD
Athabasca Oil Sands Corp. : Dover West Clasrics Phase 1	12,000	Athabasca North	2015
Athabasca Oil Sands Corp. : Dover West Leduc Carbonates Phase 1 Demonstration	6,000	Athabasca North	2015
Athabasca Oil Sands Corp. : Dover West Leduc Carbonates Phase 1 Demonstration	6,000	Athabasca North	TBD
Athabasca Oil Sands Corp. : Hangingstone Phase 1	12,000	Athabasca South	2014
BlackPearl Resources Inc.: Blackrod Phase 1	20,000	Athabasca South	2016
BlackPearl Resources Inc.: Blackrod Phase 2	30,000	Athabasca South	2018
BlackPearl Resources Inc.: Blackrod Phase 3	30,000	Athabasca South	2021
Canadian Natural Resources Ltd. : Kirby (North) Phase 1	40,000	Athabasca South	2016
Canadian Natural Resources Ltd. : Kirby (North) Phase 2	40,000	Athabasca South	2019

Projects Under Regulatory Review – In-situ (2)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Canadian Natural Resources Ltd. : Kirby (South) Phase 2	20,000	Athabasca South	2020
Canadian Natural Resources Ltd. : Grouse Commercial	50,000	Athabasca South	2018
Cenovus Energy Inc. : Telephone Lake Borealis Phase A	45,000	Athabasca North	TBD
Cenovus Energy Inc. : Telephone Lake Borealis Phase B	45,000	Athabasca North	TBD
Cenovus Energy Inc. : Pelican Lake Grand Rapids Phase A	60,000	Athabasca South	2017
Cenovus Energy Inc. : Pelican Lake Grand Rapids Phase B	60,000	Athabasca South	TBD
Cenovus Energy Inc. : Pelican Lake Grand Rapids Phase C	60,000	Athabasca South	TBD
Connacher Oil and Gas Limited : Great Divide Expansion 1A	12,000	Athabasca South	2014
Connacher Oil and Gas Limited : Great Divide Expansion 1B	12,000	Athabasca South	2016
Devon Canada Corporation: Pike 1C	35,000	Athabasca South	2018



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Projects Under Regulatory Review – In-situ (3)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Devon Canada Corporation: Walleye Phase 1	9,000	Cold Lake Region	2016
Dover Operating Corp. : Dover North Phase 2	50,000	Athabasca North	2018
Dover Operating Corp. : Dover South Phase 2	50,000	Athabasca South	2022
Dover Operating Corp. : Dover South Phase 3	50,000	Athabasca South	2020
Dover Operating Corp. : Dover South Phase 4	50,000	Athabasca South	2022
Dover Operating Corp. : Dover South Phase 5	50,000	Athabasca South	2024
E-T Energy Ltd. : Poplar Creek Phase 1	10,000	Athabasca North	TBD
Grizzly Oil Sands Ulc : May River Phase 1	10,000	Athabasca South	2013
Harvest Operations Corp. : BlackGold Phase 2	20,000	Athabasca South	TBD
Ivanhoe Energy Inc. : Tamarack Phase 1	20,000	Athabasca North	2013

Projects Under Regulatory Review – In-situ (4)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Ivanhoe Energy Inc. : Tamarack Phase 2	20,000	Athabasca North	TBD
Japan Canada Oil Sands Limited : Hangingstone Expansion	35,000	Athabasca South	2016
Laricina Energy Ltd. : Germain Phase 2	30,000	Athabasca South	2015
Laricina Energy Ltd. : Germain Phase 3	60,000	Athabasca South	TBD
Laricina Energy Ltd. : Germain Phase 4	60,000	Athabasca South	TBD
Laricina Energy Ltd. : Saleski Phase 1	10,700	Athabasca South	2014
Marathon Oil Corporation: Birchwood demonstration	12,000	Athabasca North	2016
Nexen Inc. : Long Lake Phase 3	72,000	Athabasca South	TBD
Oak Point Energy Ltd. : Lewis Pilot	1,720	Athabasca North	2013
OSUM Oil Sands Corp. : Taiga Phase 1	23,000	Cold Lake	2016

Projects Under Regulatory Review – In-situ (5)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
OSUM Oil Sands Corp. : Taiga Phase 2	22,000	Cold Lake	2017
Pengrowth Energy Corporation : Lindbergh Commercial 1	12,500	Cold Lake	2014
Royal Dutch Shell plc : Peace River Carmon Creek Phase 1	40,000	Peace River	2015
Royal Dutch Shell plc : Peace River Carmon Creek Phase 2	40,000	Peace River	2018
Southern Pacific Resource Corp. : STP McKay Project Phase 1	6,000	Athabasca North	2012
Southern Pacific Resource Corp. : STP McKay Project Phase 2A	12,000	Athabasca North	2015
Southern Pacific Resource Corp. : STP McKay Project Phase 2B	6,000	Athabasca North	TBD
Statoil Canada Ltd. : Kai Kos Dehseh Corner Expansion	40,000	Athabasca South	TBD
Statoil Canada Ltd. : Kai Kos Dehseh Hangingstone	20,000	Athabasca South	TBD
Statoil Canada Ltd. : Kai Kos Dehseh Leismer Northwest	20,000	Athabasca South	TBD
	Total	1,785,270	



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Projects Announced/Disclosed – In-situ (1)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Alberta Oilsands Inc. : Clearwater West Phase 2	25,000	Athabasca South	2016
Birchwood Resources Ltd. : Sage Pilot	5,000	Cold Lake Region	2015
Canadian Natural Resources Ltd. : Birch Mountain Phase 1	60,000	Athabasca North	2019
Canadian Natural Resources Ltd. : Birch Mountain Phase 2	60,000	Athabasca North	2023
Canadian Natural Resources Ltd. : Gregoire Lake Phase 1	40,000	Athabasca South	2021
Canadian Natural Resources Ltd. : Gregoire Lake Phase 2	40,000	Athabasca South	2025
Cavalier Energy Inc. Hoole Phase 1	10,000	Athabasca South	2015
Cavalier Energy Inc. : Hoole Phase 2	30,000	Athabasca South	TBD
Cavalier Energy Inc. : Hoole Phase 3	30,000	Athabasca South	TBD
Cavalier Energy Inc. : Hoole Phase 4	30,000	Athabasca South	TBD
Cenovus Energy Inc. : Christina Lake Phase H	50,000	Athabasca South	2019
Cenovus Energy Inc. : Foster Creek Phase I	50,000	Athabasca South	2019

Projects Announced/Disclosed – In-situ (2)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Devon Canada Corporation : Pike 1A	35,000	Athabasca South	2016
Devon Canada Corporation : Pike 1B	35,000	Athabasca South	2017
E-T Energy Ltd. : Poplar Creek Phase 2	40,000	Athabasca North	TBD
MEG Energy : Surmont Phase 1	60,000	Athabasca South	2018
MEG Energy : Surmont Phase 2	60,000	Athabasca South	TBD
N-SOLV Corporation : Dover Demonstration Plant	500	Athabasca South	2012
Nexen Inc. : Long Lake Phase 4	72,000	Athabasca South	TBD
Pengrowth Energy Corporation : Lindbergh Commercial 2	17,500	Cold Lake	2016
Petrobank Energy & Resources Ltd. : Dawson Phase 2	10,000	Peace River	TBD

Projects Announced/Disclosed – In-situ (3)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Southern Pacific Resource Corp. : Red Earth Commercial	10,000	Peace River	TBD
Southern Pacific Resource Corp. : Red Earth Pilot Expansion	3,000	Peace River	TBD
Suncor Energy Inc. : Chard Phase 1	40,000	Athabasca South	TBD
Surmont Energy Ltd. Surmont Phase 1	12,000	Athabasca South	2015
Sunshine Oil Sands : Legend Lake Phase 2	10,000	Athabasca North	TBD
Sunshine Oil Sands : Legend Lake Phase 2 Expansion	10,000	Athabasca North	TBD
Sunshine Oil Sands : Legend Lake Phase 3	20,000	Athabasca North	TBD
Sunshine Oil Sands : Legend Lake Phase 3 Expansion	10,000	Athabasca North	TBD
Sunshine Oil Sands : Thickwood Phase 2	20,000	Athabasca North	2018
Sunshine Oil Sands : Thickwood Phase 2 Expansion	20,000	Athabasca North	2021
Sunshine Oil Sands : West Ells A Phase 3	20,000	Athabasca North	2018
Sunshine Oil Sands : West Ells B Phase 1	20,000	Athabasca North	2020

Projects Announced/Disclosed – In-situ (4)

<u>In-Situ</u>	<u>Bitumen Capacity (barrels per day)</u>	<u>Region</u>	<u>Est. Start of Production</u>
Sunshine Oil Sands: West Ells B Phase 2	20,000	Athabasca North	TBD
Sunshine Oil Sands: West Ells C Phase 1	30,000	Athabasca North	TBD
Athabasca Oil Sands Corp. : Birch Phase 1	12,000	Athabasca North	TBD
Athabasca Oil Sands Corp. : Dover West Clasrics Phase 2	35,000	Athabasca North	2018
Athabasca Oil Sands Corp. : Dover West Clastics Phase 3	35,000	Athabasca North	2020
Hangingstone Phase 2	35,000	Athabasca South	2017
Husky Energy Inc.: Saleski Carbonate pilot	TBD	Athabasca North	2016
Athabasca Oil Sands Corp. : Hangingstone Phase 3	35,000	Athabasca South	2019
Value Creation Inc.: Advanced Tristar ATS-1	15,000	Athabasca South	2016
Value Creation Inc.: Advanced Tristar ATS-2	30,000	Athabasca South	2019
SilverWillow Energy Corporation: Audet Pilot	12,000	Athabasca North	2016
Grizzly Oil Sands Ulc: May River	90,000 (Disclosed)	Athabasca South	TBD

Total 1,304,000