

<b>Meadow Creek West Project Summary Table</b>			
Proponent Name:	Suncor Energy Inc	Date:	June 30, 2016
Project Name:	Meadow Creek West	Company Contact Name and Information:	Travis Shepherd Suncor Energy, 150 - 6th Avenue SW, Calgary, Alberta T2P 3E3
Name of Company that will hold Approval:	Suncor Energy Inc.	Company Website:	<a href="http://www.suncor.com">www.suncor.com</a>
Type of Project (e.g., in-situ, mine, quarry, upgrader, etc.):	In-situ	New Project, Expansion, Additional Phase or Modification:	New Project
Projected Construction Start (Month/Year):	October 2022	Projected Operation Start (Month/Year):	May 2026 (first steam)
Life of Project (# years, YYYY – YYYY):	25 to 40 years, 2026 – 2066	Project Location (Legal Land Description and Longitude/Latitude) and Municipality:	TWP 84-85 Rge 9-12, W4M. Regional Municipality of Wood Buffalo Lat 56.4, Long -111.6
Total Project Area (ha):	Approximately 15,000 ha	Private, Federal or Provincial Land:	Provincial Land
Nearest Residence(s) (km):	Southwest edge of project boundary approximately 6 km to nearest trapper's cabin	Types of Activity (major project processes, components including capacity/size, if available):	Steam generation with cogeneration of power, bitumen production, tankage, well pads, water source and disposal wells, pipelines, power lines, roads
Feedstocks and design feed rates (maximum daily, annual)	Diluent by pipeline - 2700 m <sup>3</sup> /d  Water by local groundwater wells or pipeline – 2,100 m <sup>3</sup> /d	Products and design production rates (maximum daily, annual)	6,359 m <sup>3</sup> of bitumen per day  2,321,214 m <sup>3</sup> of bitumen per year
Byproducts and wastes (specify types, rates and storage capacities)	Drilling waste, construction waste, blowdown disposal water (750 m <sup>3</sup> /d), and domestic waste.	Product storage facilities and capacities	Diluted bitumen storage of 9050 m <sup>3</sup> /d  Storage will be shared with existing facilities
Nearest First Nation Reserve(s) and Métis Settlements (name and km):	Central processing facilities approximately 24 km from Fort McMurray #468 First Nation	Project Products:	Diluted bitumen
Power Source (if on site power generation describe quantity (MW) and facilities):	On site 90 MW cogeneration, electrical grid	Method of Product Transport (e.g., pipeline, rail, truck, etc.):	Pipeline

Average Production Capacity per Year (specify units):	2,321,214 m <sup>3</sup> of bitumen per year	Infrastructure Requirements (e.g., roads, pipelines, water intake, storage, tankage, etc.):	roads, pipelines, storage tanks, power lines
Location of End Market:	Suncor's Canadian downstream assets and/or open market and/or partner or third-party system	Expected Types of Air Emissions (e.g., SO <sub>2</sub> , NO <sub>x</sub> , CO <sub>2</sub> , etc.):	SO <sub>2</sub> , NO <sub>x</sub> , CO <sub>2</sub>
Project By-Products:	Excess electrical power from cogeneration will be made available to the grid	Types of Solid Wastes Generated:	Domestic and oil field waste
Expected Types of Water Effluent Releases (note the water bodies the effluent will be released to):	Treated domestic waste water and industrial runoff to be released to surrounding area when it meets approved standards or removed off-site by third party.  Blowdown disposal well to be disposed by deep well injection.	Nearest Waterway/Waterbody (name and km):	Hangingstone River within project area
Waste Disposition / Disposal (i.e., Disposal Well, Salt Caverns, Landfill, or Third-Party):	Disposal wells, potential landfill and third-party	EPEA Approval Required (Y/N/Unknown):	Y
Watercourse Crossings (type of crossing, any Class A to C waterbodies):	Yes. Crossing type and number to be determined.	Water Act Licence Required (Y/N/Unknown. If yes, purpose, source and estimated volumes):	Unknown
Regulatory Board(s) (ERCB/NRCB/AUC):	AER, AUC	Waterbodies Required (Y/N/Unknown/NA. If yes, # and ha):	N
Water Act Approval Required (Y/N/Unknown. If yes, purpose):	Unknown	Will any of the components or activities associated with the project affect fish and/or fish habitat? (Y/N):	N
Identify applicable sections of <i>Designated Physical Activities Regulation</i> pursuant to the <i>Canadian Environmental Assessment Act, 2012</i>	None	Nearest Water Well (km) (Domestic and Commercial):	Domestic and commercial water wells within project area
Are any works or undertakings proposed to take place in, on, over, under, through or across a navigable water? (Y/N):	N	Access Improvements to Provincial Highway:	Unknown. Project access will be via Hwy 63

Nearest Provincial Highway (# and distance):	Hwy 63 is within the proposed project area	Total Area to be Disturbed (ha):	Approximately 1200 ha
Traffic Impact Assessment Required (Yes/No/Unknown):	Y	Post-reclamation Land Use(s):	Traditional, Industrial (oil and gas), Recreation, other.
Identify Existing Land and Water Use(s), Resource Management, or Conservation Plans Within or Near the Project site:	Traditional, Industrial (oil and gas), and Recreational land use in area. Project area is within the Lower Athabasca Regional Plan boundary.	Reclamation Start and End (YYYY - YYYY):	Estimated 2036 – 2066+
Decommissioning Start and End (YYYY-YYYY):	Approximately 2036 – 2066+	Historic Resources Impact Assessment Required (Y/N/Unknown):	Y
Unique Environmental or Social Considerations (Describe or None):	The proposed project area intersects with the East Side Athabasca Caribou Range	Estimated Operation Persons-Years of Employment:	50 – 65 person years per year
Estimated Construction Person-Years of Employment:	440 – 550 person years	Method of Transport of Employees to Site (Construction and Operation):	Bus, with limited light vehicle access
Construction or Operation Camp Required (Y/N/Unknown. If yes, on-site or off-site):	Construction camp required  Location unknown (review third party camp providers)	Is any part of the project on or next to federal lands?	N
Will the project involve the manufacture and storage of explosives (Y/N):	N	First Nation Groups Involved in Stakeholder Engagement:	<ul style="list-style-type: none"> <li>• Fort McMurray #468 First Nation</li> <li>• Chipewyan Prairie Dene First Nation</li> <li>• Heart Lake First Nation</li> </ul>
Date Stakeholder Engagement Started (Public/Aboriginal):	Engagement commenced in 2014. ACO pre-assessment not yet requested.	Public Groups involved in Stakeholder Engagement:	<ul style="list-style-type: none"> <li>• RMWB</li> <li>• Willow Lake Community Association</li> <li>• McMurray Metis Local 1935</li> <li>• Chard Metis Society</li> <li>• Conklin Resource Development Advisory Committee</li> <li>• McMurray Sno-Drifters Snowmobile Association</li> </ul>