

The Facility Status Update describes the current status of facilities that were applied for, are under construction or have been placed on-stream since the 2017 Annual Plan was issued on December 15, 2017, and maintains a record of the facilities two years prior to the current year. Periodic updates are being provided based on the level of activity occurring with respect to facilities. Facilities with (AP) after the project name refer to facilities in the ATCO Pipelines footprint.

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2015 Meter Station and Associated Lateral Abandonment	Barich Bigstone East Bigstone East B Clyde North Craigend North Dapp East Devenish South Daysland Hamlin Jones Lake East Killam North Minnow Lake South Sales Niobe Creek Niton North Pleasant West Ribstone Valhalla East Woking Nosehill Creek Lateral	Q4 2017	Complete	Aug 31, 2015 - Initial TTFP Notification Oct 19, 2015 - NEB Application Filed Link to Application	5.8								
2016 Capital Projects						631							

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2016 Meter Station and Associated Lateral Abandonment	Coleman Enchant Grew Lake Grew Lake East Hotchkiss Hotchkiss East Meanook Rambling Creek East Sharrow South No. 2 Steele Lake	Q3 2017 to Q1 2018	Under Construction	Nov 1, 2016 - Initial TTFP Notification Dec 13, 2016 - NEB Application Filed Link to Application	6.7								
2016 Pipeline Decommissioning Program	Crossfield Lat Lp Mitsue Lat Lp Big Bend Lat Ricinus Lat Sedalia North Lat Tangent Lat (Tangent M/S) Atmore Lat (Atmore M/S) Bassano South Lat	Q3 2017 to Q4 2019	Under Construction	Dec 19, 2016 - Initial TTFP Notification Jan 23, 2017 - NEB Application Filed Link to Application	5.6								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2017 Meter Stations and Laterals Abandonment Program	<u>Meter Stations w/Laterals</u> Acadia East Acadia North Acadia Valley Bear Canyon West Big Bend East Blueberry Hill Blue Jay Donatville Hines Creek Hines Creek West Last Lake Lawrence Lake Manir Mills Tangent East <u>Stand-Alone Meters</u> Elinor Lake East Mega River Mega River No. 2 Rod Lake Rod Lake Sales Rossbear Lake Snowfall Creek Squirrel Mountain Owl Lake South Owl Lake South No. 2 Owl Lake South No. 3 <u>Stand-Alone Laterals</u> Alderson Lateral Kaybob South Lateral McNeill X-Over	Q3 2018 to Q4 2019	Under Construction	Jun 29, 2017 - Initial TTFP Notification Aug 21, 2017 - NEB Application Filed Link to Application	16.4								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2017 NGTL System Expansion Project: Alces River Compressor Station Unit Addition	15 MW	Nov 2017	In-Service Nov 6, 2017	Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan Mar 31, 2015 - NEB Application Filed Link to Application March 14, 2017 - TTFP Update Jan 2018 Appendix 2 Update (Estimate at Complete)	79 - Class 5 85 - Class 4 67 - Class 3 53 - EAC		53						Camp not required, prime costs lower
2017 NGTL System Expansion Project: Grande Prairie Mainline Loop No. 2 (McLeod River Section)	36 km NPS 48	Nov 2017	In-Service Sep 11, 2017	Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan Mar 31, 2015 - NEB Application Filed Link to Application March 14, 2017 - TTFP Update Jan 2018 Appendix 2 Update (Estimate at Complete)	207 - Class 5 228 - Class 4 247 - Class 3 213 - EAC		213						

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴		
						2016	2017	2018	2019	2020	2021		2022	
2017 NGTL System Expansion Project: Kettle River Lateral Loop (Christina River Section)	20 km NPS 24	Apr 2017	In-Service May 13, 2017	<p>Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan</p> <p>Mar 31, 2015 - NEB Application Filed Link to Application</p> <p>March 14, 2017 - TTFP Update</p> <p>Sep 19, 2017 - Appendix 2 Update</p> <p>Oct 18, 2017 - Appendix 2 Update (Estimate at Complete)</p>	<p>77 - Class 5</p> <p>76 - Class 4</p> <p>81 - Class 3</p> <p>77 - Class 3</p> <p>75 - EAC</p>		75							
2017 NGTL System Expansion Project: Liege Lateral Loop No.2 (Pelican Lake Section)	56 km NPS 30	Apr 2017	In-Service May 12, 2017	<p>Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan</p> <p>Mar 31, 2015 - NEB Application Filed Link to Application</p> <p>March 14, 2017 - TTFP Update</p> <p>Jun 13, 2017 - TTFP Update</p> <p>Sep 19, 2017 - Appendix 2 Update</p> <p>Oct 18, 2017 - Appendix 2 Update (Estimate at Complete)</p>	<p>215 - Class 5</p> <p>233 - Class 4</p> <p>248 - Class 3</p> <p>193 - Class 3</p> <p>196 - EAC</p>		196							Favourable construction conditions

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2017 NGTL System Expansion Project: Northwest Mainline Loop No. 2 (Bear Canyon Section)	27 km NPS 36	Apr 2017	In-Service May 7, 2017	Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan Mar 31, 2015 - NEB Application Filed Link to Application March 14, 2017 - TTFP Update Jun 13, 2017 - TTFP Update Oct 18, 2017 - Appendix 2 Update (Estimate at Complete)	110 - Class 5 116 - Class 4 111 - Class 3 133 - EAC		133						Unfavourable construction conditions
2017 NGTL System Expansion Project: Northwest Mainline Loop (Boundary Lake Section)	58 km NPS 36 33 km NPS 36	Apr 2017 Apr 2018	In-Service Jun 2, 2017 In-Service Mar 30, 2018	Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan Mar 31, 2015 - NEB Application Filed Link to Application March 14, 2017 - TTFP Update Jun 13, 2017 - TTFP Update Sep 4, 2018 - Appendix 2 Update (Estimate at Complete)	384 - Class 5 442 - Class 4 424 - Class 3 495 - EAC		310	185					Unfavourable construction conditions and increased prime costs.

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2017 NGTL System Expansion Project: Otter Lake Compressor Station Unit Addition	30 MW	Nov 2017	In-Service Dec 7, 2017	Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan Mar 31, 2015 - NEB Application Filed Link to Application March 14, 2017 - TTFP Update Jan 2018 Appendix 2 Update (Estimate at Complete)	115 - Class 5 113 - Class 4 116 - Class 3 91 - EAC		91						Camp and prime costs lower
2018 Meter Station and Laterals Abandonment Program	<u>Meter Stations w/Laterals</u> AECO A AECO I Andrew Chard Donnelly Esther Border Meadow Creek Mons Lake Mons Lake East Princess South Retlaw Rock Island Lake Rumsey West Saddle Lake West West Viking <u>Stand-Alone Meter Stations</u> Rock Island Lake S. <u>Stand-Alone Laterals</u> Boundary Lake South Flat Lake Lateral Ext. Marten Hills White Earth Creek	Q3 2019 to Q4 2021	Proposed	Aug 16, 2018 - Initial TTFP Notification Sept 28, 2018 - NEB Application filed Link to Application	17.9 18.1								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2018 Pipelines and Associated Facilities Decommissioning Program	<u>Pipeline Laterals</u> Baxter Lake Calling Lake East Calling Lake South East Lat Loop Edgerton Flat Lake Lat Loop Flat Lake Lat Ext Judy Creek Sales North Lat Ext Wainwright Wapiti Zama Lake <u>Associated Facilities</u> Edgerton Rec Judy Creek Sales Zama Lake No. 1 Rec Zama Lake No. 2 Rec Wapiti Rec PTI 360m Cross-over	Q3 2019 to Q4 2020	Proposed	Nov 15, 2018 - Initial TTFP Notification Dec 7, 2018 - TTFP Notification Update	14.3 28 - Class 5								
2021 NGTL System Expansion Project: Beiseker Compressor Station Unit Addition	30 MW	Apr 2021	Applied for Jun 20, 2018	Feb 13, 2018 - TTFP Facility Update Jun 20, 2018 - NEB Application Filed Link to Application	120 - ROT 116 - Class 5						116		
2021 NGTL System Expansion Project: Didsbury Compressor Station & Coolers	30 MW	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	166 - ROT 116 - Class 5						116		

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
2021 NGTL System Expansion Project: Edson Mainline Loop No.4 (Brewster)	49 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 13, 2018 - TTFP Facility Update Jun 20, 2018 - NEB Application Filed Link to Application	270 - ROT 287 - Class 5						287		
2021 NGTL System Expansion Project: Edson Mainline Loop No.4 (Dismal Creek)	32 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	156 - ROT 179 - Class 5						179		
2021 NGTL System Expansion Project: Edson Mainline Loop No.4 (Robb)	42 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 13, 2018 - TTFP Facility Update Jun 20, 2018 - NEB Application Filed Link to Application	232 - ROT 232 - Class 5						232		
2021 NGTL System Expansion Project: Grande Prairie Mainline Loop No.2 (Deep Valley)	69 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	332 - ROT 377 - Class 5						377		

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2021 NGTL System Expansion Project: Grande Prairie Mainline Loop No.2 (Karr)	57 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 13, 2018 - TTFP Facility Update Jun 20, 2018 - NEB Application Filed Link to Application	298 - ROT 327 - Class 5						327		
2021 NGTL System Expansion Project: Grande Prairie Mainline Loop No.2 (McLeod River Connection)	14 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	73 - ROT 80 - Class 5						80		
2021 NGTL System Expansion Project: Grande Prairie Mainline Loop No.3 (Elmworth Section 2)	18 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	107 - ROT 107 - Class 5						107		
2021 NGTL System Expansion Project: Grande Prairie Mainline Loop No.3 (Elmworth Section 3)	26 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	176 - ROT 176 - Class 5						176		

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
2021 NGTL System Expansion Project: Grande Prairie Mainline Loop No.4 (Valhalla)	36 km NPS 48	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	152 - ROT 187 - Class 5						187		
2021 NGTL System Expansion Project: January Creek Control Valve Addition	Control Valve Addition	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	5 5						5		
2021 NGTL System Expansion Project: Nordegg Compressor Station Unit Addition & Coolers	30 MW	Apr 2021	Applied for Jun 20, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 20, 2018 - NEB Application Filed Link to Application	145 - ROT 119 - Class 5						119		
Albersun Pipeline Asset Purchase	179 km	TBD	In-Service Oct 1, 2018	May 12, 2015 - Initial TTFP Presentation Apr 27, 2016 - NEB Application Filed Link to Application	28 - Class 5 30 - Class 4			30					
Berland River Compressor Station Unit Addition	30 MW	Apr 2021	Deferred	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan	145 - ROT								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
Bonanza Receipt Meter Station Expansion	2-1284U Ultrasonic Meter	Aug 2018	In-Service Aug 8, 2018	Oct 16, 2017- Initial TTFP Notification Nov 3, 2017 - NEB Application Filed Link to Application	5.5			5.5					
Boulder Creek South Lateral	4 km NPS 8 17 km NPS 6	Jun 2017	In-Service Jun 9, 2017	Mar 8, 2016 - Initial TTFP Presentation May 16, 2016 - NEB Application Filed Link to Application May 1, 2018 - Appendix 2 Update (Estimate at Complete)	37 - Class 5 31 - Class 4 33 - EAC		33						
Buffalo Creek Compressor Station Unit Addition	30 MW	Nov 2020	Applied for Oct 1, 2018	Dec 7, 2015 - Initial TTFP Presentation, 2015 Annual Plan Link to Annual Plan Aug 16, 2016 - TTFP Presentation (Status Update/Deferral) Dec 4, 2017 - TTFP Presentation (Status Update), 2017 Annual Plan Link to Annual Plan Oct 1, 2018 - NEB Application Filed Link to Application	139 - ROT 159 - Class 4					159			

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
Christina Lake North Sales Meter Station Expansion	2-1210U Ultrasonic Meter	Mar 2018	In-Service Mar 8, 2018	Jul 20, 2017 - Initial TTFP Notification Aug 18, 2017 - NEB Application Filed Link to Application	4.4			4.4					
Clark Lake South Receipt Meter Station	1010-4U Ultrasonic Meter	Jun 2019	Applied for Sep 4, 2018	Aug 13, 2018 - Initial TTFP Notification Sep 4, 2018 NEB Application Filed Link to Application	4.4				4.4				
Clearwater West Expansion: Clearwater Compressor Station Unit Addition	30 MW	Apr 2020	Approved Sep 24, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 4, 2018 - NEB Application Filed Link to Application	117 - ROT 118 - Class 4					118			
Clearwater West Expansion: Grande Prairie Mainline Loop No.2 (Hualien)	13 km NPS 48	Apr 2020	Approved Sep 24, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 4, 2018 - NEB Application Filed Link to Application	59 - ROT 77 - Class 4					77			

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
Clearwater West Expansion: Grande Prairie Mainline Loop No.3 (Elmworth Section 1)	24 km NPS 48	Apr 2020	Approved Sep 24, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 4, 2018 - NEB Application Filed Link to Application	150 - ROT 130 - Class 4					130			
Clearwater West Expansion: Wolf Lake Compressor Station Unit Addition	30 MW	Apr 2020	Approved Sep 24, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Jun 4, 2018 - NEB Application Filed Link to Application	111 - ROT 126 - Class 4					126			
Clearwater Compressor Station Unit Addition & Coolers	30 MW	Nov 2021	Proposed	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan July 20, 2018 - TTFP Update	145 - ROT						145		
Cousins West Sales Meter Station	4 LVS	Aug 2017	In-Service Aug 9, 2017	May 11, 2017 - Initial TTFP Notification	1.4		1.4						
<i>Cutbank River Lateral Expansion</i>	<i>18 km NPS 30 13 km NPS 16</i>	<i>Q2 2021</i>	<i>Proposed</i>	<i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan Link to Annual Plan</i>	<i>97 - ROT</i>						<i>97</i>		

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
Dawson Creek Receipt Meter Station	2-1610-4U	Q1 2017	In-Service Mar 27, 2017	Dec 23, 2015 - Initial TTFP Notification Apr 27, 2016 - NEB Application Filed Link to Application	5.6		5.6						
Dismal Creek North Receipt Meter Station	1010-4U	Oct 2018	<i>In-Service Nov 29, 2018</i>	Nov 22, 2017 - NEB Application Filed Link to Application Nov 24, 2017 - Initial TTFP Notification	3.2			3.2					
Drywood Compressor Station Coolers		Nov 2018	In-Service Oct 30, 2018	Nov 14, 2017 - Initial TTFP Notification Dec 11, 2017 - NEB Application Filed Link to Application	15			15					
Edson Control Valve Addition	Control Valve Installation	Apr 2019	Approved Jul 24, 2018	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan May 29, 2018 - NEB Application Filed Link to Application	5 6.7				6.7				
<i>Edson Mainline Expansion Project: Edson Mainline Loop No.4 (Alford Creek)</i>	<i>45 km NPS 48</i>	<i>Apr 2022</i>	<i>Proposed</i>	<i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan</i> Link to Annual Plan	<i>269 - ROT</i>							<i>269</i>	
<i>Edson Mainline Expansion Project: Edson Mainline Loop No.4 (Elk River)</i>	<i>40 km NPS 48</i>	<i>Apr 2022</i>	<i>Proposed</i>	<i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan</i> Link to Annual Plan	<i>240 - ROT</i>							<i>240</i>	

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
<i>Edson Mainline Expansion Project: Princess Compressor Station Unit Addition & Coolers</i>	<i>30 MW</i>	<i>Apr 2022</i>	<i>Proposed</i>	<i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan</i> <i>Link to Annual Plan</i>	<i>137 - ROT</i>							<i>137</i>	
Empress Area Extraction Connections Project	240 m Pipeline plus Valve Assemblies	Q3 2018	Under Construction	Sep 8, 2017 - Initial TTFP Notification Oct 5, 2017 - NEB Application Filed Link to Application	17 - CIAC								
Etzikom Abandonment	84 km NPS 10/6	Q4 2019	Applied for Oct 31, 2018	Oct 3, 2018 - Initial TTFP Notification Oct 31, 2018 - NEB Application Filed Link to Application	18.2								
Farrell Lake CS Modifications	Yard Piping Modifications	Nov 2018	In-Service Aug 30, 2018	Mar 27, 2018 - Initial TTFP Notification	9.1			9.1					
Forestburg Lateral Loop	8.2 km NPS10	Q4 2019	Applied for Nov 8, 2018	Oct 10, 2018 - Initial TTFP Notification	21.5				21.8				
Forestburg East Sales Meter Station	2-1080U Ultrasonic Meter			Nov 8, 2018 - NEB Application Filed Link to Application	21.8								
Gold Creek South Receipt Meter Station Expansion	882 Orifice Meter	Apr 2018	In-Service Mar 23, 2018	Jul 26, 2018 - Initial TTFP Notification Aug 19, 2017 - NEB Application Filed Link to Application	3.0			3.0					
Gold Creek South Receipt Meter Station Expansion No. 2	10104U Ultrasonic Meter	Jul 2019	Applied for Nov 14, 2018	Oct 26, 2018 - Initial TTFP Notification Nov 14, 2018 - NEB Application Filed Link to Application	3.5				3.5				

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
Gold Creek West Receipt Meter Station	12124U Ultrasonic Meter	Apr 2019	Approved Sep 5, 2018	Apr 6, 2018 - Initial TTFP Notification Apr 30, 2018 - NEB Application Filed Link to Application	4.9				4.9				
Goodfish Compressor Station Unit Addition	30 MW	Nov 2020	Applied for Oct 1, 2018	Feb 13, 2018 - TTFP Facility Update Oct 1, 2018 - NEB Application Filed Link to Application	120 - ROT 115 - Class 4					115			
Grace Creek North Receipt Meter Station	660-2 Orifice Meter	Feb 2018	In-Service Mar 7, 2018	Jun 1, 2017 - Initial TTFP Notification Jul 6, 2017 - NEB Application Filed Link to Application	2.0			2.0					
Grande Prairie Mainline Loop No.2 (McLeod River North Section)	35 km NPS 48	Nov 2019	Applied for Jun 20, 2018	Jul 21, 2017 - TTFP Facility Update November 14, 2017 - TTFP Facility Update Jun 20, 2018 - NEB Application Filed Link to Application	108 - ROT 155 - ROT 237 - Class 4				237				
Grey Owl Creek North Receipt Meter Station Expansion	882 Orifice Meter	Apr 2018	In-Service Mar 27, 2018	Jun 1, 2017 - Initial TTFP Notification Jun 29, 2017 - NEB Application Filed Link to Application	3.2			3.2					
Grey Owl Creek Receipt Meter Station Expansion	1212-4U Ultrasonic Meter	Oct 2017	In-Service Sep 18, 2017	Jan 31, 2017 - Initial TTFP Notification Mar 10, 2017 - NEB Application Filed Link to Application	3.6		3.6						

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
Groundbirch Mainline Loop (Sunrise Section)	24 km NPS 42	Nov 2020	Proposed	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Oct 3, 2018 - TTFP Facility Update	107 - ROT 155 - ROT 135 - ROT					135			
Hermit Lake No. 2 Sales Meter Station	2-860T Turbine Meter	Dec 2016	In-Service Jan 23, 2017	Aug 24, 2016 - Initial TTFP Notification	1.8		1.8						
Hidden Lake North C/S Modifications	Yard Piping Modifications and Wheel Change	Apr 2018	In-Service Apr 20, 2018	Aug 25, 2017 - Initial TTFP Notification	5			5					
Hythe Lateral Loop No. 2	14 km NPS 24	Q4 2018	In-Service Oct 31, 2018	Dec 7, 2015 - Initial TTFP Presentation, 2015 Annual Plan Link to Annual Plan Aug 16, 2016 - TTFP Presentation (Status Update/Deferral) Sep 12, 2017 - TTFP Presentation (Scope/Status Update) Nov 1, 2017 - NEB Application Filed Link to Application	41 - Class 5 42 - Class 5 40 - Class 4			40					

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
Inland Looping (AP)	19 km NPS 20	Feb 2017	In-Service Feb 19, 2017	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Oct 30, 2014 - TTFP Presentation, 2014 Annual Plan Link to Annual Plan Jan 18, 2016 - AUC Application Filed Link to Application	42								
Ipiatik Lake Sales Meter Station Modifications	Modifications	Apr 2018	In-Service Feb 2, 2018	Sep 6, 2017 - Initial TTFP Notification Sep 29, 2017 - NEB Application Filed Link to Application	1.3			1.3					
Lethbridge Urban Pipeline Upgrade (AP)	14.7 km NPS 10 2.4 km NPS 6	2020	Proposed	Aug 7, 2018 - Initial TTFP Notification July 30, 2018 - GRA Application Filed Link to Application	31.2								
Livingstone Creek Receipt Meter Station	2-1064U Ultrasonic Meter	Aug 2015	In-Service Aug 7, 2015	Oct 23, 2014 - Initial TTFP Notification	7.1		7.1						
Livingstone Creek No. 2 Receipt Meter Station	2-1064U Ultrasonic Meter	Mar 2017	In-Service Mar 3, 2017	Nov 19, 2014 - NEB Application Filed Link to Application									
Livingstone Creek Receipt Meter Station Expansion	10104U	Nov 2018	In-Service Nov 14, 2018	Mar 1, 2018 - Initial TTFP Notification Mar 26, 2018 - NEB Application Filed Link to Application	3.1			3.1					

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						2016	2017	2018	2019	2020	2021		2022
Liza Lake Sales Meter Station	NPS 3 Positive Displacement Meter	Dec 2018	Proposed	Oct 16, 2018 - Initial TTFP Notification, Streamlining Order	2.1			2.1					
Lodgepole Compressor Station Unit Addition and Interconnect	5 MW	Nov 2017	In-Service Dec 16, 2017	Dec 7, 2015 - Initial TTFP Presentation, 2015 Annual Plan Link to Annual Plan Feb 12, 2016 - NEB Application Filed Link to Application Apr 2018 - Appendix 2 Update (Estimate at Complete)	62 - ROT 66 - Class 5 48 - EAC		48						Favourable material and prime costs
Medicine Hat Compressor Station	3.5 MW	Q2 2017	In-Service May 5, 2017	Sep 15, 2015 - Initial TTFP Presentation Oct 30, 2015 - NEB Application Filed Link to Application Aug 29, 2017 - Appendix 2 Update	61 - Class 5 67 - Class 4 61 - EAC		61						
Meikle River D & Goodfish Compressor Stations: Goodfish Compressor Station	30 MW	Q1-Q3 2017	In-Service Sep 10, 2017	Oct 30, 2014- Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan Dec 18, 2014 - NEB Application Filed Link to Application Oct. 12, 2016 – TTFP Presentation (Facility Status Update) Dec 11, 2017 - Appendix 2 Update (Estimate at Complete)	135 - ROT 103 - Class 5 126 - EAC		126						Material issues, construction and ISD delays

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021	2022		
Meikle River D & Goodfish Compressor Stations: Meikle River D Compressor Station	33 MW	Q1-Q3 2017	In-Service Oct 4, 2017	Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan Dec 18, 2014 - NEB Application Filed Link to Application Oct. 12, 2016 - TTFP Presentation (Facility Status Update) Jan 2018 Appendix 2 Update (Estimate at Complete)	136 - ROT 114 - Class 5 124 - EAC		124							
<i>Mildred Lake East Sales Meter Station</i>	<i>660U Ultrasonic Meter</i>	<i>Sep 2019</i>	<i>Proposed</i>	<i>Nov 30, 2018 - Initial TTFP Notification</i>	<i>3.2</i>				<i>3.2</i>					
Minnow Lake West Receipt Meter Station Expansion	2-1064U Ultrasonic Meter	Nov 2018	In-Service Nov 1, 2018	Aug 28, 2017- Initial TTFP Notification Sep 14, 2017 - NEB Application Filed Link to Application	4.4			4.4						
Mulligan Lake Interconnect Meter Station	3-3016UB Ultrasonic Meter	Jul 2019	Proposed	Jun 12, 2018 - Initial TTFP Notification	8.7				8.7					
Muriel Creek Sales Meter Station	NPS 3 Positive Displacement Meter	Mar 2019	Proposed	Jul 16, 2018 - Initial TTFP Notification Aug 9, 2018 - TTFP Facility Update (Streamlining Order)	2.1				2.1					

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
North Central Corridor Loop (North Star Section 1)	31 km NPS 48	Apr 2020	Applied for Oct 30, 2018	Dec 7, 2015 - Initial TTFP Presentation, 2015 Annual Plan Link to Annual Plan Aug 16, 2016 - TTFP Presentation (Status Update/Deferral) Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Oct 30, 2018 - NEB Application Filed Link to Application	200 - ROT 193 - ROT 170 - Class 4					170			
<i>North Corridor Expansion Project: Hidden Lake North Compressor Station Unit Addition</i>	<i>30 MW</i>	<i>Apr 2022</i>	<i>Proposed</i>	<i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan</i> Link to Annual Plan	<i>137 - ROT</i>							<i>137</i>	
<i>North Corridor Expansion Project: North Central Corridor Loop (North Star Section 2)</i>	<i>24 km NPS 48</i>	<i>Apr 2022</i>	<i>Proposed</i>	<i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan</i> Link to Annual Plan	<i>155 - ROT</i>							<i>155</i>	
<i>North Corridor Expansion Project: North Central Corridor Loop (Red Earth Section 3)</i>	<i>32 km NPS 48</i>	<i>Apr 2022</i>	<i>Proposed</i>	<i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan</i> Link to Annual Plan	<i>205 - ROT</i>							<i>205</i>	
<i>North Corridor Expansion Project: Northwest Mainline Loop No.2 (Bear Canyon Extension Section)</i>	<i>28 km NPS 36</i>	<i>Apr 2022</i>	<i>Proposed</i>	<i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan</i> Link to Annual Plan	<i>134 - ROT</i>							<i>134</i>	

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
North Heart River Receipt Meter Station	442 Orifice Meter	Jul 2018	In-Service Jun 8, 2018	Nov 20, 2017 - Initial TTFP Notification Dec 4, 2017 - NEB Application Filed Link to Application	2.7			2.7					
North Montney Project: Aitken Creek Compressor Station ⁵	15 MW Bi-directional	TBD	Deferred	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Nov 8, 2013 - NEB Application Filed Link to Application Mar 20, 2017 - NEB Variance Application Link to Application	72 - ROT 98 - Class 4								
North Montney Project: Groundbirch Compressor Station ⁵	2-15 MW Units Bi-directional	Nov 2019	Under Construction	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Nov 8, 2013 - NEB Application Filed Link to Application Mar 20, 2017 - NEB Variance Application Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	103 - ROT 135 - Class 4 131 - Class 3				131				

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
North Montney Project: North Montney Mainline (Aitken Creek Section) ⁵	182 km NPS 42	Sep 2019	Under Construction	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Nov 8, 2013 - NEB Application Filed Link to Application Mar 20, 2017 - NEB Variance Application Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	762 - ROT 930 - Class 4 1,270 - Class 3				1,270				Elevated prime contractor costs due to unfavorable market conditions
North Montney Project: North Montney Mainline (Kahta Section - South) ⁵	24 km NPS 42	Apr 2020	Certificate Approval Jun 10, 2015 Variance Application NEB Approval Order Received May 23, 2018	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Nov 8, 2013 - NEB Application Filed Link to Application Mar 20, 2017 - NEB Variance Application Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	 174 - Class 4 196 - Class 4					196			Elevated prime contractor costs due to unfavorable market conditions
North Montney Project: North Montney Mainline (Kahta Section - North) ⁵	95 km NPS 42	TBD	Deferred	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Nov 8, 2013 - NEB Application Filed Link to Application Mar 20, 2017 - NEB Variance Application Link to Application	331 - Class 4								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
North Montney Project: Remaining North Montney Mainline Receipt Meter Stations Included in <u>Certificate</u> ⁵	TBD	TBD	Certificate Approval Jun 10, 2015	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan	66 - Class 5								
Kahta Creek Kahta Creek North Buckinghorse River Mason Creek Beaton River Lily Halfway River Aitken Creek West Aitken Creek East				Nov 8, 2013 - NEB Application Filed Link to Application	34 - Class 4								
Mackie Creek Interconnect	TBD	TBD			8								
Receipt Meter Stations Subject to Variance <u>Application</u>													
Blair Creek Gundy Kobes Altares Blair Creek East Aitken Creek Interconnect (bi-directional storage)	2-16104U Ultrasonic 2-1284U Ultrasonic 2-1064U Ultrasonic 2-1064U Ultrasonic 882 Orifice Meter 2-2416U Ultrasonic	Apr 2020 Apr 2019 Apr 2021 Apr 2019 Apr 2020 Apr 2019	Variance Application NEB Approval Order Received May 23, 2018	Mar 20, 2017 - NEB Variance Application Link to Application	39 - Class 4					67			
New Receipt Meter <u>Stations</u>			Variance Application NEB GIC Approval Received – July 3, 2018	Apr 27, 2017 - TTFP Notifications May 18-25, 2017 - NEB Applications Filed	28 - ROT								
Mackie Creek North Altares South Townsend Townsend No. 2 Gundy West Old Alaska Aitken Creek South Aitken Creek West No. 2	662 Orifice Meter 882 Orifice Meter 882 Orifice Meter 882 Orifice Meter 882 Orifice Meter 882 Orifice Meter 2-1284U Ultrasonic 442 Orifice Meter	Apr 2019 Apr 2019 Apr 2019 Apr 2019 Apr 2019 Apr 2019 Apr 2019 Apr 2020	Applied for May 18-25, 2017	Link to Application Link to Application Link to Application Link to Application Link to Application Link to Application Link to Application Link to Application									

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
North Montney Project: Saturn Compressor Station ⁵	15 MW Bi-directional	Apr 2020	Certificate Approval Jun 10, 2015 Variance Application NEB Approval Order Received May 23, 2018	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Nov 8, 2013 - NEB Application Filed Link to Application Mar 20, 2017 - NEB Variance Application Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	70 - ROT 86 - Class 4 94 - Class 4					94			Elevated prime contractor costs due to unfavorable market conditions
North Montney Project: Saturn Compressor Station – Unit 2 ⁵	15 MW Bi-directional	TBD	Deferred	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Nov 8, 2013 - NEB Application Filed Link to Application Mar 20, 2017 - NEB Variance Application Link to Application	63 - ROT								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
North Path Delivery Project: Amber Valley Compressor Station Unit Addition	15 MW	Nov 2019	Approved Sep 28, 2018	March 14, 2017 - TTFP Update Jun 13, 2017 - TTFP Update Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 16, 2018 - NEB Application Filed Link to Application	100 - ROT 89 - ROT 81 - Class 4				81				

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021	2022		
North Path Delivery Project: Meikle River Compressor Station Series Modifications	Modifications to Enable Series Operation	Nov 2019	Approved Sep 28, 2018	Dec 7, 2015 - Initial TTFP Presentation, 2015 Annual Plan Link to Annual Plan Aug 16, 2016 - TTFP Presentation (Status Update/Deferral) March 14, 2017 - TTFP Update Jun 13, 2017 - TTFP Update Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 16, 2018 - NEB Application Filed Link to Application	16 17 17				17					
North Path Delivery Project: Northwest Mainline Loop No. 2 (Bear Canyon North Section) ⁶	28 km NPS 36	Nov 2019	Approved Sep 28, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 16, 2018 - NEB Application Filed Link to Application	99 - ROT 109 - Class 4 109 - Class 4				109					

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
Northwest Mainline Loop (Boundary Lake North Section)	23 km NPS 36	Apr 2019	Approved Jul 31, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Dec 15, 2017 - NEB Application Filed Link to Application	115 - ROT 105 - Class 4				105				
Peace River Mainline Abandonment (Meikle River to Valleyview Section)	266 km NPS 20 2.3 km NPS 4	TBD	Approved Mar 14, 2018	Oct 22, 2013 - Initial TTFP Presentation, 2013 Annual Plan Link to Annual Plan Oct 30, 2014 - TTFP Presentation, 2014 Annual Plan Link to Annual Plan Jul 22, 2016 - TTFP Presentation (Filing/Scope Change) Aug 18, 2016 - NEB Application Filed Link to Application	29.7 - Class 4								
Pembina-Keephills Transmission Project (AP)	58 km NPS 30	Nov 2019	Applied for Aug 1, 2018	May 8, 2018 - Initial TTFP Notification Aug 1, 2018 - AUC Application Filed Link to Application	155 157								
Pipestone Compressor Station Unit Addition & Coolers	30 MW	Apr 2021	Deferred	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan	145 - ROT								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
Princess Compressor Station A and D Decommissioning	Decommissioning of A and D Buildings	Feb 2017	Completed Jul 6, 2017	Jan 4, 2017 - Initial TTFP Notification Jan 20, 2017 - NEB Streamlining Order Notification Link to Notification	11.0								
Redwater Cogen Delivery #2 Station (AP)	2-440T Turbine Meter	Dec 2018	Proposed	Aug 7, 2018 - Initial TTFP Notification July 30, 2018 GRA Application Filed Link to Application	1.1								
Resthaven Receipt Meter Station Expansion	2-1280U Ultrasonic Meter	Apr 2018	In-Service Feb 27, 2018	May 11, 2017 - Initial TTFP Notification May 26, 2017 - NEB Application Filed Link to Application	4.3			4.3					
Rodney Creek Receipt Meter Station	660-2 Orifice Meter	Aug 2018	Under Construction	Nov 6, 2017 - Initial TTFP Notification Nov 22, 2017 - NEB Application Filed Link to Application	2.2			2.2					
Saddle Lake Lateral Loop (Cold Lake Section)	20 km NPS 16	Apr 2021	Proposed	Feb 13, 2018 - TTFP Facility Update	42 - ROT						42		
Saddle West Expansion: Clarkson Valley Control Valve	Control Valve Installation	Jun 2019	Approved Apr 3, 2018	Jul 21, 2017 - TTFP Facility Update Oct 2, 2017 - NEB Application Filed Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	4.4 4.5 4.3				4.3				

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
Saddle West Expansion: Gordondale Lateral Loop No. 3	25 km NPS 36	Jun 2019	Under Construction	Dec 5, 2016 - Initial TTFP Notification, 2016 Annual Plan Link to Annual Plan Oct 2, 2017 - NEB Application Filed Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	96 - ROT 98 - Class 4 130 - Class 3				130				Elevated prime contractor costs due to unfavorable market conditions
Saddle West Expansion: Latornell Compressor Station Unit Addition	30 MW	Jun 2019	Under Construction	Dec 5, 2016 - Initial TTFP Notification, 2016 Annual Plan Link to Annual Plan Oct 2, 2017 - NEB Application Filed Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	101 - ROT 118 - Class 4 142 - Class 3				142				Elevated prime contractor costs due to unfavorable market conditions
Saddle West Expansion: Nordegg Compressor Station Unit Addition	33 MW	Jun 2019	Under Construction	Feb 14, 2017 - TTFP Update Jul 21, 2017 - TTFP Facility Update Oct 2, 2017 - NEB Application Filed Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	116 - ROT 112 - ROT 111 - Class 4 139 - Class 3				139				Elevated prime contractor costs due to unfavorable market conditions

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
Saddle West Expansion: Saddle Hills Compressor Station Unit Addition and Control Valve Modifications	30 MW	Jun 2019	Under Construction	Dec 5, 2016 - Initial TTFP Notification, 2016 annual Plan Link to Annual Plan Jun 13, 2017 - TTFP Update Oct 2, 2017 - NEB Application Filed Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	74 - ROT 119 - Class 5 118 - Class 4 145 - Class 3				145				Elevated prime contractor costs due to unfavorable market conditions
Saddle West Expansion: Swartz Creek Compressor Station Unit Addition	30 MW	Jun 2019	Under Construction	Dec 5, 2016 - Initial TTFP Notification, 2016 Annual Plan Link to Annual Plan Oct 2, 2017 - NEB Application Filed Link to Application Aug 7, 2018 - Appendix 2 Class Estimate Update	116 - ROT 116 - Class 4 142 - Class 3				142				Elevated prime contractor costs due to unfavorable market conditions
Saturn No. 2 Receipt Meter Station	2-1060U-4 Ultrasonic Meter	Apr 2018	In-Service Mar 31, 2018	Aug 9, 2017 - Initial TTFP Notification Aug 29, 2017 - NEB Application Filed Link to Application	3.8			3.8					
Scotford PDH Delivery Meter Station (AP)	860T Turbine Meter	Jul 2020	Proposed	May 1, 2018 - Initial TTFP Notification	2.6 (Includes \$1.7M CIAC)								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
Smoky River Lateral Loop	28 km NPS 24	Apr 2019	Under Construction	Dec 5, 2016 - Initial TTFP Notification, 2016 Annual Plan Link to Annual Plan Sep 12, 2017 - TTFP Presentation (Scope/Status Update) Nov 29, 2017 - NEB Application Filed Link to Application	54 - Class 5 118 - Class 5 91 - Class 4				91				
South Airdrie Lateral - Pipeline Acquisition (AP)	8.7 km NPS 6	Q3 2019	Proposed	Aug 7, 2018 - Initial TTFP Notification July 30, 2018 GRA Application Filed Link to Application	1.9								
Stoney Transit/North Gate Connection Piping (AP)	4.3 km NPS 8	Q1 2019	Approved Aug 22, 2018	Dec 4, 2017 - Initial TTFP Notification, 2017 Annual Plan Link to Annual Plan May 25, 2018 - AUC Application Filed Link to Application	8								
Sturgeon Refinery Process Delivery and Lateral (AP)	2-AAT 140 Meter 1 km NPS 12	Nov 2016	In-Service Feb 15, 2017	Jun 9, 2016 - AUC Application Filed Link to Application	6.5								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
Sundre Crossover	20 km NPS 42	Apr 2018	In-Service Apr 8, 2018	Dec 7, 2015 - Initial TTFP Presentation, 2015 Annual Plan Link to Annual Plan May 17, 2016 - TTFP Presentation (Scope Change) Nov 2016 - Appendix 2 Class Estimate Update Mar 24, 2017 - NEB Application Filed Link to Application Jul 21, 2017 - TTFP Facility Update	240 - ROT 137 - Class 5 113 - Class 4 99 - Class 3			99					
Tony Creek No. 2 Receipt Meter Station	2-1064U Ultrasonic Meter	Oct 2017	In-Service Oct 5, 2017	Mar 3, 2017 - Initial TTFP Notification Mar 17, 2017 - NEB Application Filed Link to Application	3.8		3.8						
Tony Creek No. 2 Receipt Meter Station Expansion	16164U Ultrasonic Meter	Aug 2019	Applied for Nov 13, 2018	Oct 15, 2018 - Initial TTFP Notification Nov 13, 2018 - NEB Application Filed Link to Application	6.0 5.7				5.7				

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
<u>Towerbirch Expansion</u>			NEB Recommendation Oct 6, 2016	Aug 18, 2015 - Initial TTFP Presentation	470 - Class 5		334						Favourable prime and material costs
			GIC Certificate March 10, 2017	Sep 2, 2015 - NEB Application Filed Link to Application	439 - Class 4								
Groundbirch Mainline Loop	55 km NPS 36	Nov 2017	In-Service Oct 30, 2017	Mar 2016 - Appendix 2 Update for Cost to Complete									
Tower Lake Section	32 km NPS 30	Nov 2017	In-Service Oct 1, 2017	Jun 13, 2017 - TTFP Update	383 - Class 3								
Tower Lake Receipt Meter Station	2-1284U Ultrasonic Meter	Nov 2017	In-Service Sep 29, 2017	Jan 2018 Appendix 2 Update (Estimate at Complete)	334 - EAC								
Dawson Creek North No. 2 Receipt Meter Station	2-1284U Ultrasonic Meter	Apr 2018	In-Service Nov 15, 2017										
Dawson Creek North Receipt Meter Station	2-1284U Ultrasonic Meter	Sep 2018	In-Service Oct 30, 2017										
Dawson Creek East Receipt Meter Station	882 Orifice Meter	Jul 2017	In-Service Jul 20, 2017										
Groundbirch East Receipt Meter Station Expansion	1-2412U Ultrasonic Meter	Nov 2017	In-Service Aug 15, 2017										
Turin East Transmission Loop (AP)	10.5 km NPS 4	2018	In-Service Jan 13, 2018	Aug 16, 2017 - AUC Application filed Link to Application	5.6								
Urban Pipeline Replacement Project: Calgary UPR - West Connector (AP)	19 km NPS 20 1 km NPS 16	Q4 2017	In-Service Dec 19, 2017	Oct 30, 2014 - Initial TTFP Presentation May 6, 2016 - AUC Application Filed Link to Application	90 88								

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
Urban Pipeline Replacement Project: Edmonton UPR – NE Connector (AP)	Control Station	2019	Proposed	Oct 30, 2014 - Initial TTFP Presentation	14.2								
Urban Pipeline Replacement Project: Southwest Edmonton Connector – UPR (AP)	21 km NPS 20	Q2 2017	In-Service April 1, 2017	Jul 10, 2012 - Initial TTFP Presentation Jun 2, 2015 - AUC Application Filed Link to Application	93								
Valhalla North Receipt Meter Station Expansion	882	Oct 2018	In-Service Aug 20, 2018	Nov 27, 2017 - Initial TTFP Notification Dec 19, 2017 - NEB Application Filed Link to Application	3.1 3.0			3.0					
Vermillion Compressor Station Unit Addition (AP)	1 MW	Apr 2021	Proposed	Feb 13, 2018 - TTFP Facility Update	TBD								
Vetchland Compressor Station Unit Addition & Coolers	30 MW	<i>Nov 2021</i>	<i>Proposed</i>	Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan <i>Nov 14, 2018 - TTFP Presentation, 2018 Annual Plan</i> Link to Annual Plan	145 - ROT <i>137 - ROT</i>						<i>137</i>		
Wainwright Compressor Station Unit Replacement	0.4 MW	Jul 2017	In-Service July 18, 2017	Dec 5, 2016 - Initial TTFP Notification, 2016 Annual Plan Link to Annual Plan Feb. 27, 2017 - TTFP Notification	2.0 2.3		2.3						

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)						Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021		2022
West Path Delivery Project: Burton Creek Compressor Station Unit Addition	30 MW	Jun 2020	Applied for Feb 12, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 12, 2018 - NEB Application Filed Link to Application	116 - ROT 114 - Class 4					114			
West Path Delivery Project: Turner Valley Compressor Station Unit Addition ⁷	30 MW	Jun 2020	Applied for Feb 12, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 12, 2018 - NEB Application Filed Link to Application	132 - ROT 106 - Class 4					106			
West Path Delivery Project: Western Alberta System Mainline Loop Rocky View Section	22 km NPS 42	Jun 2020	Applied for Feb 12, 2018	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Feb 12, 2018 - NEB Application Filed Link to Application	176 - ROT 189 - Class 4					189			
Wiau Lake North Sales Meter Station	2-640T Turbine Meter	Jul 2019	Approved Sep 20, 2018	May 22, 2018 - Initial TTFP Notification Jun 11, 2018 - NEB Application Filed Link to Application	2.4				2.4				

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴
						2016	2017	2018	2019	2020	2021	2022	
Wildrose Receipt Meter Station	2-2012U Ultrasonic Meter	May 2018	In-Service Oct 1, 2018	Jul 12, 2017 - Initial TTFP Notification Sep 27, 2017 - NEB Application Filed Link to Application	8.3			8.3					
Wilkin Lake Sales Meter Station	LVS-4 Turbine Meter	Dec 2018	In-Service Nov 15, 2018	Mar 12, 2018 - Initial TTFP Notification Mar 28, 2018 - NEB Application Filed Link to Application	2.0			2.0					
Wilson Ridge Receipt Meter Station	10104U Ultrasonic Meter	Feb 2019	Applied for Apr 11, 2018	Mar 1, 2018 - Initial TTFP Notification Apr 11, 2018 - NEB Application Filed Link to Application	3.9				3.9				
Winchell Lake Compressor Station Unit Addition	30 MW	Nov 2019	Under Construction	Jul 21, 2017 - TTFP Facility Update Dec 4, 2017 - TTFP Presentation, 2017 Annual Plan Link to Annual Plan Mar 8, 2018 - NEB Application Filed Link to Application Approved Aug 30, 2018	116 - ROT 99 - Class 4				99				
<i>Wolf Lake South Receipt Meter Station</i>	<i>1010-4U Ultrasonic Meter</i>	<i>Sep 2019</i>	<i>Proposed</i>	<i>Nov 29, 2018 - Initial TTFP Notification</i>	<i>3.8</i>				<i>3.8</i>				

Applied-for Facilities	Description	Target In-Service Date	Status	References ¹	Forecast Cost ² (\$Millions)	Cost by In-Service Year ³ (\$Millions)							Variance Explanation ⁴	
						2016	2017	2018	2019	2020	2021	2022		
Woodenhouse Compressor Station Unit Addition	30 MW	Nov 2018	Under Construction	Oct 30, 2014 - Initial TTFP Presentation, 2014 Annual Plan Link to Annual Plan Dec 7, 2015 - TTFP Presentation, 2015 Annual Plan Link to Annual Plan Nov 7, 2016 - NEB Application Filed Link to Application Feb 2017 - Appendix 2 Class Estimate Update	136 - Class 5 138 - Class 4 130 - Class 4			130						
Worsley McLennan Transmission Loop (AP)	10.7 km NPS 6	2017	In-Service Mar 21, 2018	Aug 2, 2017 - AUC Application Filed Link to Application	7.8									
Total Costs by In-Service Year ³						631	1823	572	2913	1796	2729	1277		

¹ Hyperlinks to AUC filings require an AUC eFiling login which can be obtained by contacting the AUC.

² For NGTL projects greater than \$25 million, the estimate type for the forecasted costs have been provided. The typical expected accuracy for the various estimate types are shown in the table below. These accuracy ranges are for projects with established technological complexity and can be greater depending on area knowledge, technological complexity, level of expertise, and certainty of facility scope. Forecasted costs reflect the dollar value, economic conditions, and estimation procedures at the time the estimates were completed.

Estimate Type	Expected Accuracy Range
Rule of Thumb (ROT)	(-50% to +100%)
Class 5	(-20% to +30%)
Class 4	(-15% to +20%)
Class 3	(-10 to +10%)

³ Total Costs by In-Service Year are a summation of the last provided costs of all NGTL capacity capital projects with expected or realized in-service dates within a calendar year. Costs for non NGTL capacity capital projects, such as ATCO Pipelines, CIAC, decommissioning or abandonment projects, are excluded. These annual summations of costs will not match other regulatory filings with different costs bases.

⁴ Variance explanations are provided for all NGTL capacity capital projects with EAC costs equal to or greater than \$25 million with a variance greater than 10% between the EAC and applied-for costs.

⁵ The North Montney Project was filed as a Section 52 application on November 8, 2013 comprised of the following facilities: North Montney Mainline (Aitken Creek Section), North Montney Mainline (Kahta Section), Aitken Creek Compressor Station, Saturn Compressor Station, Groundbirch Compressor Station, 14 receipt meter stations, a bi-directional storage meter station (Aitken Creek Interconnect) and a delivery meter station (Mackie Creek Interconnection). The NMML Variance was filed March 20, 2017 to vary Condition 4 in the Certificate and Order and to extend the Sunset Clause for the NMML. The Variance also includes the details on eight additional meter stations required for the new receipt contracts. North Montney costs are escalated to the year of in-service for each respective facility. The original Kahta Section was 119 km of NPS 42 with a ROT cost estimate of \$530Million. Variance Application NEB Approval Order Received May 23, 2018.

⁶ Northwest Mainline Loop No. 2 (Bear Canyon North Section) is the combination of two previously presented facilities; Northwest Mainline Loop No. 2 (Bear Canyon North Section) and the Northwest Mainline Loop (Peace River Crossing Project).

⁷ Turner Valley Compressor Station Coolers has been combined with Turner Valley Compressor Station Unit Addition.