GLOSSARY

TRANSCANADA ENTITIES	
Foothills Subsidiaries	Foothills subsidiaries as named in the *Northern Pipeline Act*
Foothills	Foothills Pipe Lines Ltd.
NGTL or Alberta System	NOVA Gas Transmission Ltd.
TC Alaska LLC	TransCanada Alaska Company, LLC
TCPL	TransCanada PipeLines Limited
TransCanada	TC Alaska LLC and Foothills, collectively or separately as appropriate. The term TransCanada is also used in this Application to generically denote the TransCanada Corporation group of companies, as appropriate.

ACRONYMS AND ABBREVIATIONS	
AACE	Association for the Advancement of Cost Engineering
ADEC	Alaska Department of Environmental Conservation
ADFG	Alaska Department of Fish and Game
ADNR	Alaska Department of Natural Resources
AEUB	Alberta Energy Utilities Board
AFUDC	allowance for funds used during construction
AGA	American Gas Association
AGIA	*Alaska Gasline Inducement Act*, AS 43.90 et. seq.
AHA	all-heat average
AHAPC	Alaska Highway Aboriginal Pipeline Coalition
AIV	alternative integrity validation
AMS	Asset Management System
ANCSA	*Alaska Native Claims Settlement Act*, 43 U.S.C. § 1601
ANGPA	*Alaska Natural Gas Pipeline Act*, 15 U.S.C. §§ 720 et. seq.
ANGTA	*Alaska Natural Gas Transportation Act*, 15 U.S.C. §§ 719 et. seq.
ANGTS	Alaska Natural Gas Transportation System
ANS	Alaska North Slope
API	American Petroleum Institute
APP	Alaska Pipeline Project
AS	Alaska Statute
ASME	American Society of Mechanical Engineers
AUT	automated ultrasonic testing
BC	British Columbia
bcf	billion cubic feet
bcf/d	billion cubic feet per day
Btu	British thermal unit
BLM	Bureau of Land Management

ACRONYMS AND ABBREVIATIONS	
BMP	Best Management Practices
BWRS	Benedict Webb Rubin Starling. Equation of State
CBCA	*Canada Business Corporations Act*, R.S., 1985, c. C-44, s. 1 1994, c. 24, s.1(F)
CEAA	*Canadian Environmental Assessment Act*, 1992, c. 37
cf	cubic foot
CIAC	contribution in aid of construction
CO_2	carbon dioxide
CPCN	Certificate of Public Convenience and Necessity
CPI	Consumer Price Index
C.F.R.	Code of Federal Regulations
CGF	Central Gas Facility
CSA	Canadian Standards Association
D/t	diameter/wall thickness ratio
DBM	Design Basis Memorandum
DIAND	Department of Indian Affairs and Northern Development
DLE	Dry Low Emission
DNV	Det Norske Veritas
DO	designated officer
DOT	Department of Transportation
DOT-PHMSA	Department of Transportation, Pipeline and Hazardous Materials Safety Administration
ECA	engineering critical assessment
EIA	Energy Information Administration
EIS	environmental impact statement
EM	Environmental Management
EMM	Environmental Management Manual
EMP	Environmental Management Program
EPA	Environmental Protection Agency
EPC	engineering, procurement and construction

ACRONYMS AND ABBREVIATIONS	
EPCM	engineering, procurement and construction management
EPP	Environmental Protection Plan
EPPM	Environmental Plans and Procedures Manual
°F	degrees Fahrenheit
FCAW	flux-cored arc welding
FEED	front end engineering design
FEIS	final EIS
FERC	Federal Energy Regulatory Commission
GAAP	generally accepted accounting principles
GIS	geographic information system
GMAW	gas metal arc welding
GTP	gas treatment plant
H_2S	hydrogen sulphide
HAZ	heat affected zone
HDD	horizontal direction drill
hp	horsepower
HSE	health, safety and environment
IIT	Incident and Issue Tracking
IMP	Integrity Management Process
ISO	International Organization for Standardization
LDAR	Leak Detection and Repair
LiDAR	light detection and ranging
LNG	liquefied natural gas
LRFD	load and resistance factors design
LSD	limit states design
MAOP	maximum allowable operating pressure
mcf	thousand cubic feet
MDEA	methyldiethanolamine

ACRONYMS AND ABBREVIATIONS	
MLA	*Mineral Leasing Act*
MP	milepost
mmBtu	million British thermal unit
NCC	North Central Corridor
NDE	non-destructive examination
NEB	National Energy Board
NEB Act	*National Energy Board Act*
NEPA	*National Environmental Policy Act*
NGA	*Natural Gas Act*, 15 U.S.C. § 717 et. seq.
NGL	natural gas liquid
NIT	NOVA Inventory Transfer
NPA	*Northern Pipeline Act*, 1977-78, c. 20, R.S., 1985, c. N-26
NTP	Notice to Proceed
OEM	Original Equipment Manufacturer
OFI	Office of the Federal Inspector
O&M	operations and maintenance
OSHA	Occupational Safety and Health Administration
P&ID	piping and instrumentation diagram
PA	Precedent Agreement
PFD	process flow diagram
PMO	TransCanada's Project Management Office
PPBR	Plans, Profiles and Books of Reference
ppmv	parts per million by volume
PRO	Partner Reported Opportunities
PMP	Pipeline Maintenance Plan
PMT	Project Management Team
psig	pounds per square inch gauge
QMS	Quality Management System

ACRONYMS AND ABBREVIATIONS	
RCA	Regulatory Commission of Alaska
RFA	Request for Applications
ROW	right-of-way
R.S.C.	Revised Statutes of Canada
S.C.	Statutes of Canada
SCADA	Supervisory Control and Data Acquisition
SMAW	shielded metal arc welding
SMYS	specified minimum yield strength
TAPS	Trans Alaska Pipeline System
TBO	transportation by others
tcf	trillion cubic foot
TEG	tri-ethylene glycol
TRCR	Total Recordable Case Rate
U.S.C.	United States Code
WBS	Work Breakdown Structure
WCSB	Western Canada Sedimentary Basin
YESEAA	*Yukon Environmental and Socio-Economic Assessment Act*
YTG	Yukon Territorial Government
ZRA	Zone of Restricted Activity
§	section or numbered clause
¶	paragraph

DEFINITIONS	
Acceptable Credit Rating	A Credit Rating not lower than any of the following: "BBB-" from Standard & Poor's, a division of the McGraw-Hill Companies, Inc. and its successors and assigns (S&P), "Baa3" from Moody's Investors Service, Inc. and its successors and assigns (Moody's), "BBB-" from Fitch Ratings Ltd. and its successors and assigns (Fitch), or "BBB (low)" from Dominion Bond Rating Service Limited and its successors and assigns (DBRS). In the event an entity is rated by two or more of S&P, Moody's, Fitch and DBRS, the lowest rating shall prevail.
Actual Capital Cost	The capital cost that is approved by FERC in the U.S. and the Northern Pipeline Agency in Canada as the final capital cost of the Project following the In-Service Date and which TransCanada is authorized to include in the Project rate base for the recovery and return calculation pursuant to such approvals.
Agreement on Principles	Agreement Between the United States and Canada on Principles Applicable to a Northern Natural Gas Pipeline, September 20, 1977, U.S. – Can., 29 U.S.T. 3581.
Alaska Open Season	The process that complies with 18 C.F.R. Part 157, Subpart B (Open Seasons for Alaska Natural Gas Transportation Projects) pursuant to which TransCanada shall solicit initial binding commitments from potential Shippers for capacity on the Alaska Section, and the GTP in the event TransCanada is the sponsor for the GTP, which shall take place concurrently with the Yukon-BC Open Season and the Alberta Open Season.
Alaska Section	The section of the Pipeline System located in Alaska which runs from the outlet of the GTP near Prudhoe Bay, Alaska to the Alaska/Yukon border near Beaver Creek, and which would include related pipeline, compression, measurement and other permanent and temporary facilities located in Alaska.
Alaska Shippers	Those Shippers that commence service at a receipt point on the Pipeline System in Alaska.
Alberta Hub	The natural gas trading hub on TransCanada's Alberta System, where natural gas and natural gas liquids are traded and which trading activities are facilitated by the NOVA Inventory Transfer (NIT).
Alberta Open Season	The process pursuant to which TransCanada shall solicit initial binding commitments from potential shippers for capacity on the Alberta Section and TransCanada's Alberta System from the British Columbia/Alberta border near Boundary Lake to the Alberta Hub and further downstream for deliveries to the Alberta border, which shall take place concurrently with the Alaska Open Season and the Yukon-BC Open Season.

DEFINITIONS	
Alberta Section	The existing Foothills Pre-Build System located in Alberta and any new pipeline required to be built and owned by Foothills in Alberta in order to provide access to the Alberta Hub from the Yukon-BC Section, including related pipeline, compression, measurement and other permanent and temporary facilities owned by Foothills and located in Alberta.
Alberta System	TransCanada Corporation's wholly-owned, 15,000 mile natural gas transmission system in Alberta which gathers natural gas for delivery to end users and to liquids extraction facilities within the province and for delivery through provincial export locations to major natural gas market areas across North America. The Alberta System is a significant component of the Alberta Hub.
ANS Explorers	Those companies that have been or will be exploring for natural gas on the North Slope of Alaska.
ANS Producers	BP Exploration (Alaska) Inc., ConocoPhillips Alaska, Inc. and ExxonMobil Alaska Production Inc.
Base Capital Cost	The capital cost of the Pipeline System that is approved by FERC in the CPCN in Alaska and by the Northern Pipeline Agency in the Leave to Construct in Canada.
Canada Open Season	The combined Yukon-BC Open Season and the Alberta Open Season.
Canada Section	The Yukon-BC Section and the Alberta Section.
Capital Cost Overrun	That amount, if any, by which the Actual Capital Cost of the Pipeline System exceeds the Base Capital Cost.
Capital Cost Overrun Loan	The project loan which credit is enhanced by the U.S. Loan Guarantee, and pursuant to which a Capital Cost Overrun would be financed.
Capital Cost Overrun Surcharge	The provisional toll which Surcharge Shippers are required to pay, when the market gas prices at the Alberta Hub are above a pre-determined threshold, for servicing the Capital Cost Overrun Loan.
Central Gas Facility	Existing facility at Prudhoe Bay that provides initial processing of the wet natural gas that has been separated from the ANS crude oil stream. Some natural gas liquids are extracted and the remaining gas stream is, for the most part, discharged for re-injection.
Collateral	(i) an irrevocable standby letter of credit from a financial institution acceptable to TransCanada with a Credit Rating of at least A by S&P and A2 by Moody's; or (ii) unencumbered cash collateral in a form satisfactory to TransCanada; or (iii) other collateral which may be mutually acceptable to the shipper and TransCanada.
Commission or FERC	Federal Energy Regulatory Commission

DEFINITIONS	
Credit Rating	The respective rating assigned to the long-term senior unsecured debt (not supported by third party credit enhancement) of an entity by S&P, Moody's, Fitch or DBRS and their respective successors and assigns. If an entity does not have a long-term senior unsecured debt rating, the corporate Credit Rating (or deemed equivalent) shall be used as a substitute.
Decision to Proceed	The transition point between the Development Phase and the Execution Phase of the Project; the major Project milestone at which the final decision is made with respect to whether to proceed to execution of the Project or not.
Definition Sub-Phase	That portion of the Development Phase that begins with the conclusion of the Open Season and ends when all major Project approvals are in place and the final Decision to Proceed has been made.
Delivery Point	Any point on the Pipeline System where gas may be taken off the Pipeline System.
FERC Open Season Regulations	The FERC regulations as set forth in 18 C.F.R. § 157, Subpart B (Open Seasons for Alaska Natural Gas Transportation Projects).
Firm Transportation Service	The transportation service provided to a Shipper on the Pipeline System pursuant to a Transportation Services Agreement between the Shipper and TransCanada whereby TransCanada agrees to make available to the Shipper on a firm basis the capacity on the Pipeline System subscribed for in the shipping contract and the Shipper agrees to pay for such capacity as per the shipping contract whether the Shipper uses such capacity or not.
First Nations peoples	The Indian peoples of Canada, both Status and non-Status, as defined in the *Indian Act*, R.S., 1985, c. I-5.
Foothills System or Foothills Pre-Build or Pre-Build	The existing natural gas pipeline system built under certificates issued pursuant to Canada's *Northern Pipeline Act* that starts at Caroline, Alberta that branches into two legs, with one leg running south-east to Monchy, Saskatchewan and the other leg running south-west to Kingsgate, British Columbia, which is owned by Foothills Pipe Lines Ltd., a wholly-owned subsidiary of TransCanada Corporation.
Guarantee	A financial guarantee in the form acceptable to TransCanada from a party with an Acceptable Credit Rating.
In-Service Date	The date for Commencement of Commercial Operations of the Pipeline System.
In-State Shippers	Those Shippers that subscribe for transportation services with the Alaska Section for natural gas delivery to a delivery point within the State of Alaska.

DEFINITIONS	
Investment Grade	Applies to TransCanada's assessment of a shipper's creditworthiness and means a long term senior unsecured debt rating of at least BBB- by Standard & Poor's (S&P); Baa3 by Moody's Investor Services (Moody's); BBB- by Fitch Ratings (Fitch); or BBB (Low) by Dominion Bond Rating Service (DBRS).
Leave to Proceed	Has the meaning ascribed to it in Section 2.2.4.2(2) "Canadian Regulatory Approvals".
License	The license to be granted under the Alaska Gasline Inducement Act, AS 43.90 et. seq.
Lower 48	The contiguous states of the United States, i.e. not including Alaska or Hawaii.
Management Committee	A committee of senior representatives of TransCanada who direct the organization and who will provide executive guidance to senior management of the Project and will consider approvals for significant Project scope and budget changes.
Negotiated Rate Shippers	Those Shippers that have elected to pay the transportation tariff/toll in accordance with the Negotiated Rate as described in Section 2.2.3.7 "Negotiated Rates".
Negotiated Rate	Has the meaning ascribed to it in Section 2.2.3.7 "Negotiated Rates".
NOVA Inventory Transfer or NIT	A notional point on TransCanada's Alberta System that acts as a market hub, where the transfer of title to gas transported on such system occurs, and which transfer can only occur following payment by the shipper of the receipt toll. NIT functions as both a market and supply hub by providing direct access to over 300 bcf of connected storage, a large (3 bcf/d) intra-Alberta market and multiple pipelines which transport approximately 17 bcf/d to major markets across North America.
Open Season	The concurrent initial binding Alaska Open Season, Yukon-BC Open Season and Alberta Open Season.
Pipeline System	Has the meaning ascribed to it in Section 2.1(1) "Project Description".
Precedent Agreement	An agreement between a Shipper and TransCanada entered into following the completion of the Alaska Open Season, the Yukon-BC Open Season or the Alberta Open Season, as applicable, pursuant to which such Shipper agrees to commit a certain amount of gas to the Alaska Section, the Yukon-BC Section or the Alberta Section and TransCanada's Alberta System, as applicable, which shall be superceded and replaced by the Transportation Services Agreement prior to the In-Service Date.
Project	Has the meaning ascribed to it in Section 2.1 "Project Description".
Proposal Sub-Phase	That portion of the Development Phase that begins with the award of the AGIA license and ends with the conclusion of the Open Season

DEFINITIONS	
Receipt Point	Any point on the Pipeline System where gas may be put into the Pipeline System.
Receipt Shippers	Those Shippers that enter into a Transportation Services Agreement with TransCanada's Alberta System pursuant to which the Shippers agree to deliver gas into the Alberta System and pay the receipt toll.
Recourse Rate	Has the meaning ascribed to it in Section 2.2.3.5(1) "Rate Structure and Supporting Information - Alaska Section".
Recourse Rate Shippers	Those Shippers that have elected to pay the transportation tariff/toll for the Alaska Section in accordance with the Recourse Rate as described in Section 2.2.3.5 "Rate Structure and Supporting Information".
Shippers	Those entities that contract for gas processing and transportation services on the GTP and the Pipeline System.
State	State of Alaska.
Surcharge Shippers	Those Negotiated Rate Shippers that elect the Capital Cost Overun Surcharge option.
Tangible Net Worth	Total assets (exclusive of goodwill and other intangible assets) minus total liabilities, as reported in the provider's unqualified audited annual financial statements and unaudited quarterly financial statements in accordance with generally accepted accounting principles in the country in which the provider is organized, consistently applied.
Transportation by Others or TBO	Commercial arrangements whereby one pipeline system contracts for capacity on another pipeline system. The pipeline system taking the capacity uses it to provide integrated service to parties on its system.
Transportation Services Agreement	The agreement between a Shipper and TransCanada pursuant to which TransCanada agrees to provide natural gas transportation services on the Alaska Section, the Yukon-BC Section, the Alberta Section or TransCanada's Alberta System, as applicable, to the Shipper and the Shipper agrees to abide by the terms and conditions of the agreement and pay the applicable tariff/toll for subscribing for capacity on the Alaska Section, the Yukon-BC Section, the Alberta Section or TransCanada's Alberta System, as applicable.
U.S. Loan Guarantee	The U.S. federal loan guarantee that may be issued by the Secretary of Energy pursuant to Section 116 of the *Alaska Natural Gas Pipeline Act*, 15 U.S.C. § 720n.
Yukon-BC Open Season	The process through which TransCanada shall solicit initial binding commitments from potential shippers for capacity on the Yukon-BC Section and which shall take place concurrently with the Alaska Open Season and the Alberta Open Season.

DEFINITIONS	
Yukon-BC Section	The section of the Pipeline System located in the Yukon and British Columbia in Canada that runs from the Alaska/Yukon border near Beaver Creek to the British Columbia/Alberta border near Boundary Lake, including related pipeline, compression, measurement and other permanent and temporary facilities located in the Yukon and British Columbia, which shall connect to the Alberta Section. For the purpose of ratemaking and Shipper creditworthiness requirements, the Yukon-BC Section will run from the Alaska / Yukon border to Fort Nelson, British Columbia if the Fort Nelson Option is secured.