

RDC Annual Conference

November 2012

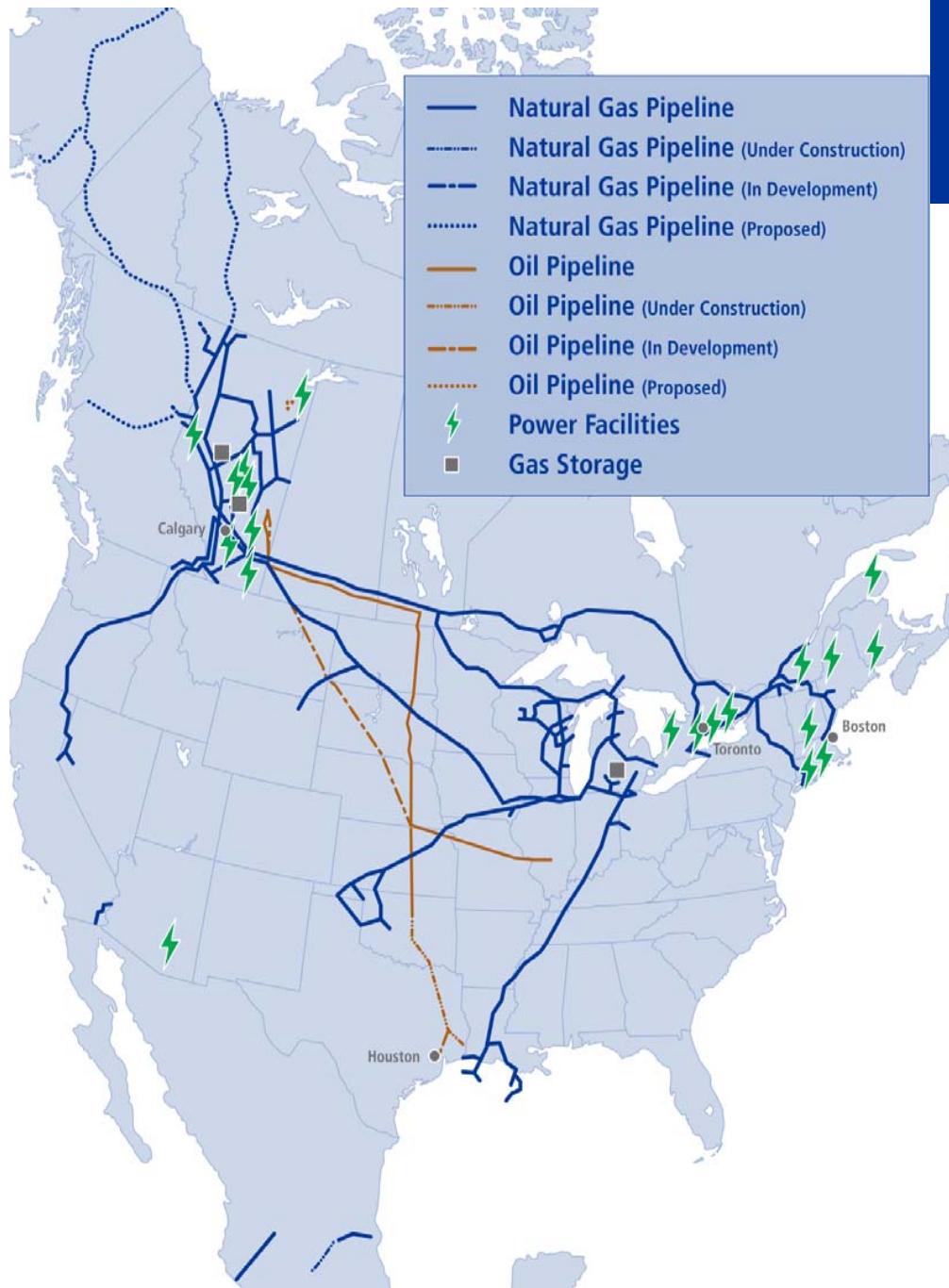


Overview



- **Leader in Energy Infrastructure**
- **AGIA Licensee**
- **TransCanada and the Alaska Pipeline Project Today**
- **South-Central LNG Overview**
- **TransCanada Midstream Focus**
- **Pipeline Partnerships & Construction Experience**
- **Next Steps**

Leading North American Energy Infrastructure Company



One of the Largest Natural Gas Pipeline Networks

- 68,500 km (42,500 mi) of pipeline
- Average volume of 14 Bcf/d or 20% of continental demand

Third Largest Natural Gas Storage Operator

- 380 Bcf of capacity

Largest Private Sector Power Generator in Canada

- 20 power plants, 10,900 MW

Premier Oil Pipeline System

- 1.4 million bbl/d ultimate capacity

Enterprise Value ~ \$55 billion

AGIA Licensee



- As AGIA Licensee, TransCanada continues to meet its AGIA objectives and commitments
- 2009 – aligned with ExxonMobil to form the Alaska Pipeline Project (APP) and advance the gas project jointly
- 2010 - APP conducted the first Open Season in North Slope history
- Under AGIA, significant progress to develop an Alaskan natural gas pipeline, including:
 - full-scale testing, pipeline engineering and technology
 - regulatory work for securing permits
 - environmental field studies
 - socioeconomic assessments
 - securing land access
 - In-state gas supply/demand study

TransCanada & APP Today



- September 2012 - TransCanada completed a non-binding solicitation of interest in accordance with AGIA
- September 2012 - APP and the AGDC entered into a Cooperation Agreement establishing a formal process for information exchange
- As agreed with the State of Alaska, APP has curtailed work on the Alberta option in a way that preserves assets while evaluating LNG project options

SCLNG Overview



- TransCanada is working with ExxonMobil, ConocoPhillips and BP to evaluate LNG options to develop Alaska's natural gas resources
- Multi-functional integrated team has advanced extensive work to refine and understand the opportunities and challenges associated with North Slope natural gas development
- Together we have narrowed a broad range of development concepts
- October 2012 - updated Governor Parnell on progress to-date
- Next steps are to complete the concept selection phase and further narrow options for a potential project

TransCanada's Role



- TransCanada has contributed to the SCLNG effort substantial manpower and technical expertise, including valuable data from the extensive planning and studies undertaken under AGIA since 2008
- TransCanada's work on Concept Selection has been focused on the Midstream component of a potential LNG project, including a gas pipeline and gas treatment facilities

Midstream Focus



Pipeline



- **Large diameter:** 42" - 48"
- **Capacity:** 3 - 3.5 BcF/day
- **Length:** ~800 miles (similar to TAPS)
- **Peak Workforce:** 3,500 - 5,000 people
- **State off-take:** ~5 points, 300-350 MCF/day, based on demand

Gas Treating



- **Location:** North Slope or Southcentral LNG site
- **Function:** Remove CO₂ and other gases and dispose / use
- **Peak Workforce:** 500 - 2,000 people
- **Among largest in world**

Pipeline Partnerships & Construction Experience



Project	Year	PROGRAM	
		Diameter	Length (km)
Mexico			
• Mayakan	2000	NPS 24	700
• Tamazunchale	2005	NPS 30	130
• Guadalajara	2011	NPS 30	310
Total Length (Mexico)			1140
United States			
• Keystone	2010	NPS 30 / NPS 36	2210
• Bison	2010	NPS 36	485
Total Length (United States)			2695
Canada			
• Westpath	2002	NPS 20 / NPS 48	85
• Peerless	2005	NPS 24	90
• Canadian Mainline	2005	NPS 36 / NPS 42	70
• Fort McKay (NGTL)	2006–2008	NPS 30 / NPS 36	275
• North Central Corridor (NGTL)	2008–2010	NPS 36 / NPS 42	385
• NGTL (other)	2006–2011	NPS 20 / NPS 36	250
• NE BC	2010	NPS 36	80
• Keystone	2010	NPS 30	375
Total Length (Canada)			1610
In Construction/Planned (Next 4 Years)			
• British Columbia	2011–2016	NPS 24–NPS 42	600
• Alberta	2011–2015	NPS 8–NPS 48	590
• KXL (Canada)	2013–2014	NPS 36	525
• KXL (United States)	2013–2014	NPS 36	2135
• Mexico	2013	NPS 30	250
Total Length (In Construction/Planned)			4100

- **Leading experience in routing, design, construction and operation of a number of projects in mountainous regions**

**Recently Constructed
or in Planning**

**Over 9,500 km
~ \$15 B**

Next Steps



- While solid progress continues to be made on evaluating a potential LNG option, significant environmental, regulatory, permitting, engineering and commercial work remains to be completed to bring North Slope gas to market
- TransCanada continues to work with the producers and the State to advance efforts to responsibly develop Alaska's natural gas resources