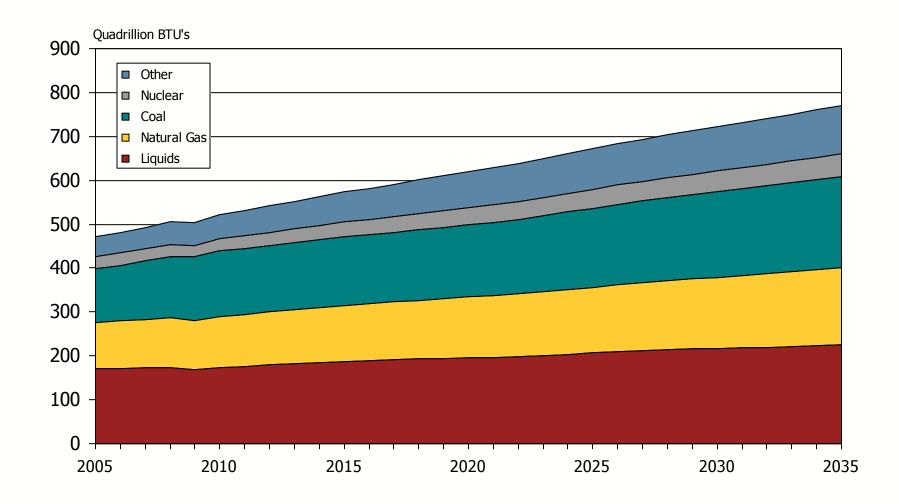
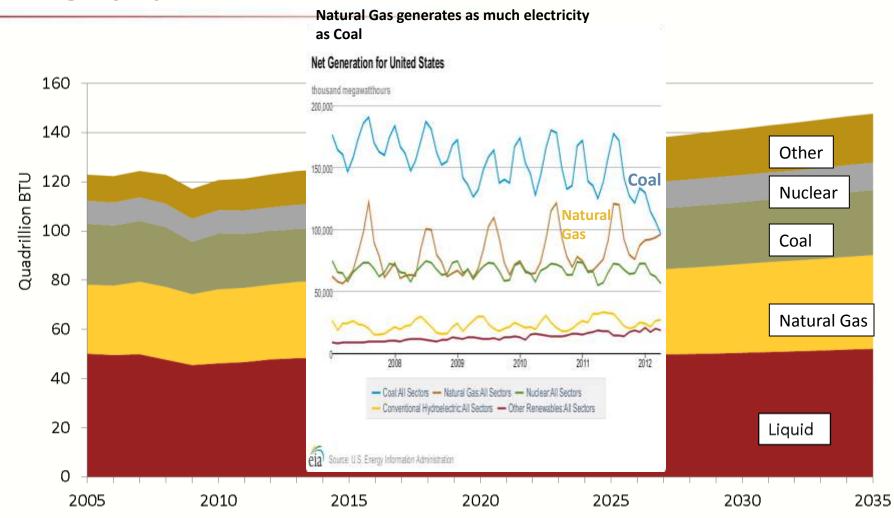


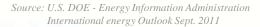
Global Energy Demand (Reference Case Scenario)





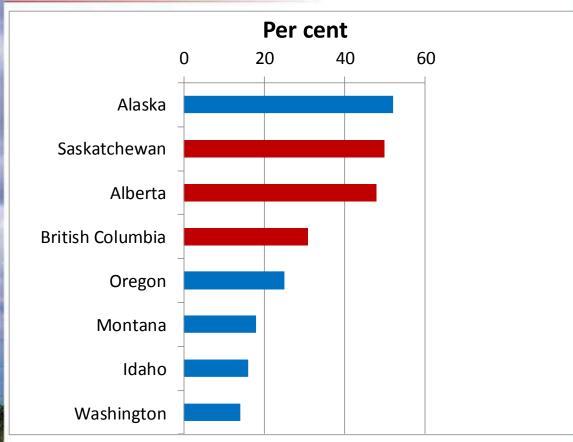
North American Primary Energy Demand

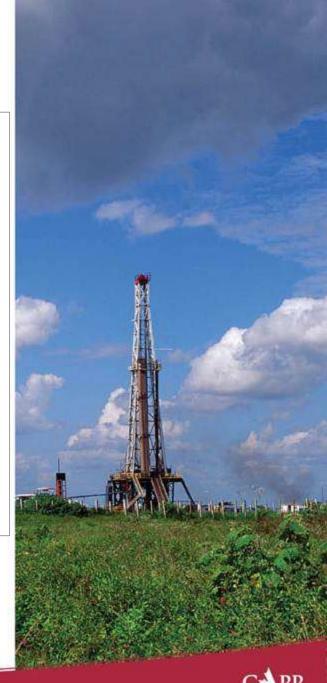






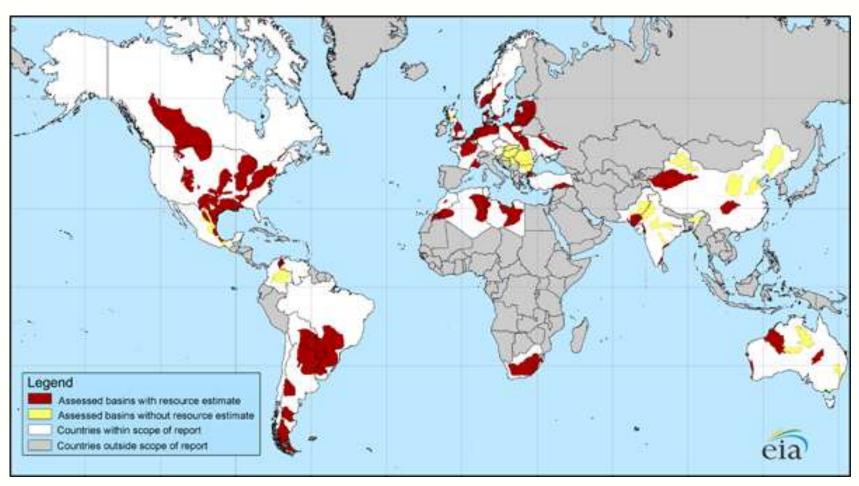
Natural Gas -**Share of Primary Energy Consumption**







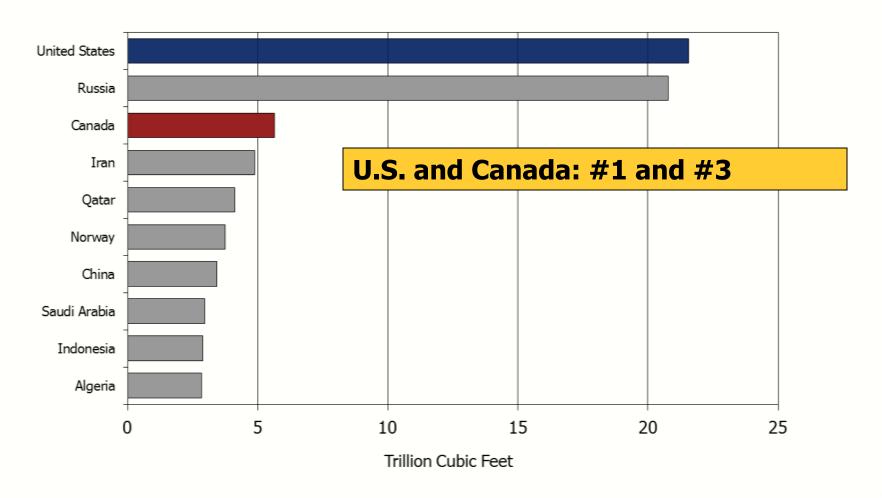
Global Shale gas resource is vast — EIA Technically recoverable — 5,760 tcf (outside U.S.)



Although the shale gas resource estimates will likely change over time as additional information becomes available, the report shows that the international shale gas resource base is vast. The initial estimate of technically recoverable shale gas resources in the 32 countries examined is 5,760 trillion cubic feet. EIA



Top 10 World Natural Gas Producers



Source: BP Statistical Review 2011

North American Natural Gas – Supply Outlook

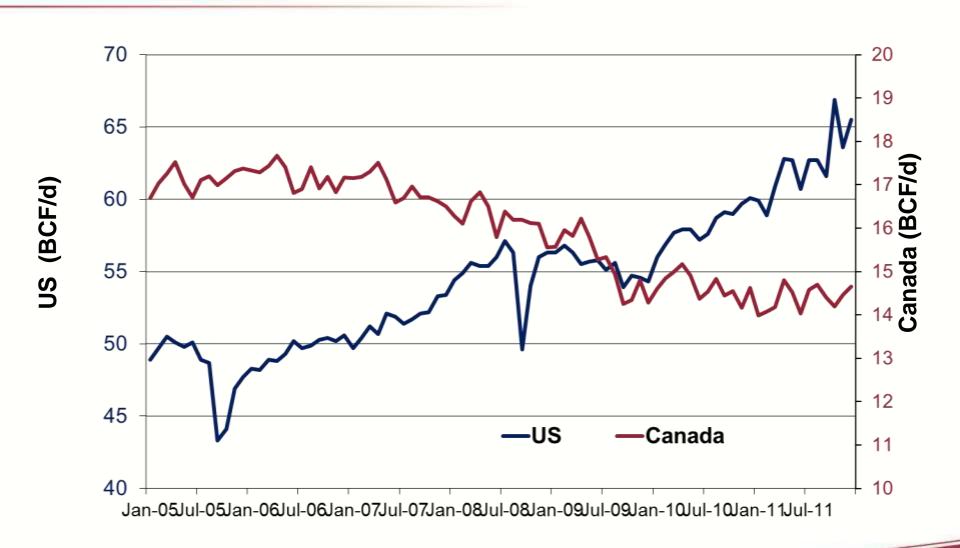
- Shale gas supply a game-changer
- Technology breakthroughs
- New producing regions
- Shifting S/D dynamic





Canada losing ground to U.S.

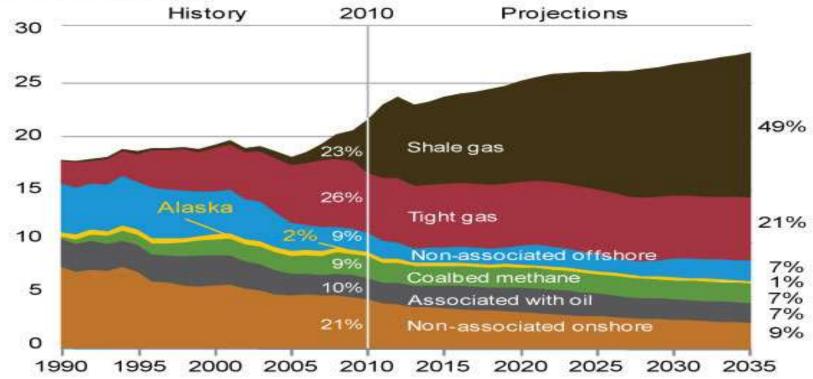
Canadian Production *down* 15% while U.S. Production *up* 35%



Shale Gas becoming dominant in North America

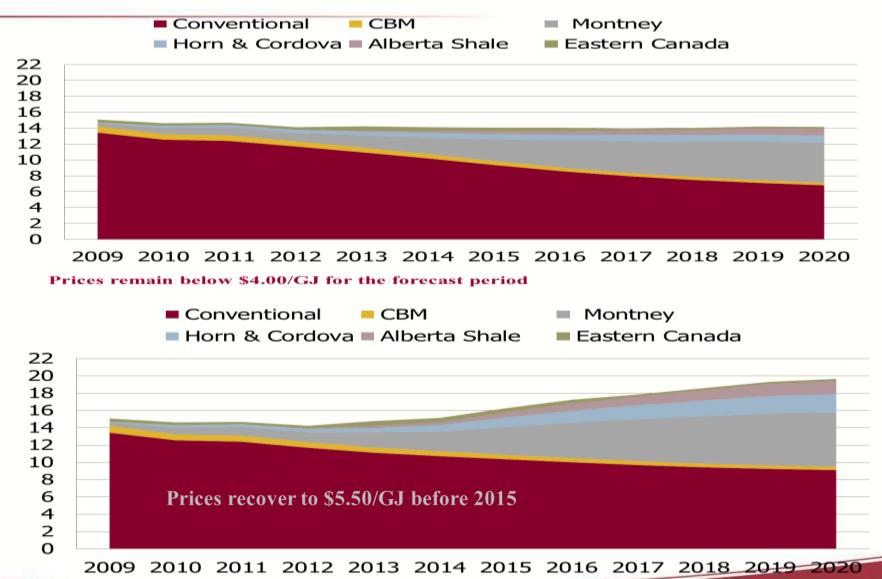
U.S. Natural Gas Production, 1990-2035

trillion cubic feet

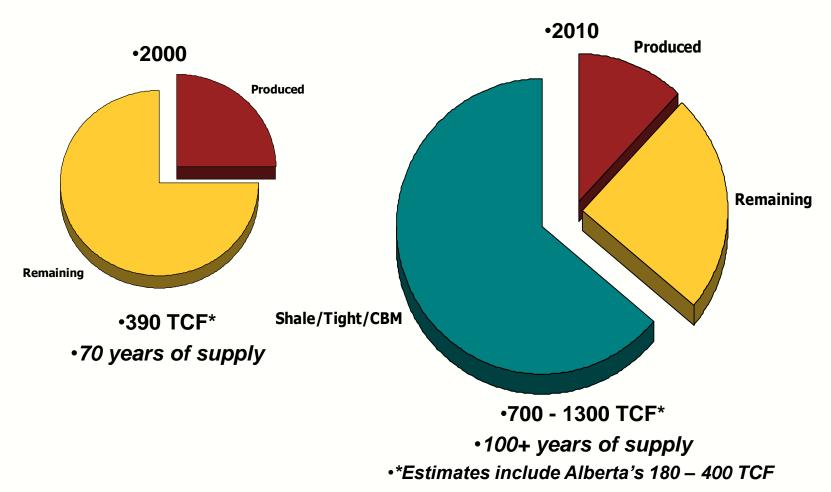


Source: U.S. Energy Information Administration, AEO2012 Early Release Overview, January 23, 2012.

Canadian Natural Gas Production Bcf/day



Canadian Natural Gas Resource is Growing



Technological advances have "unlocked" vast unconventional gas resources.

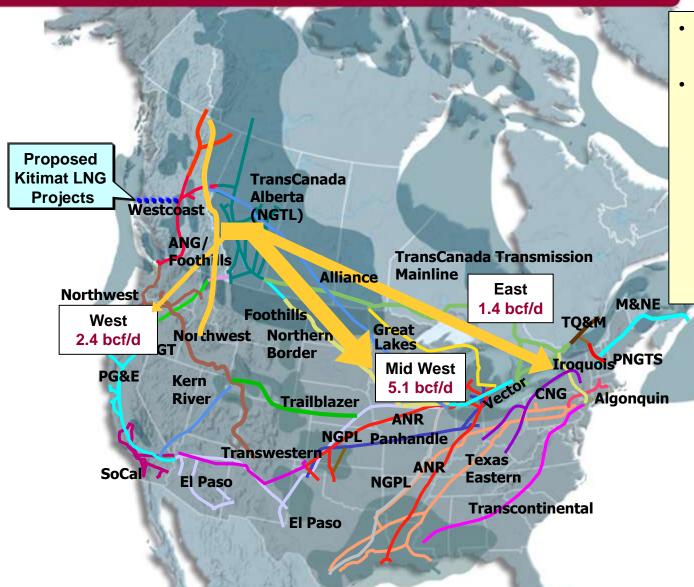


^{*}Estimated Recoverable Marketable Gas:

[·] Source: CSUG

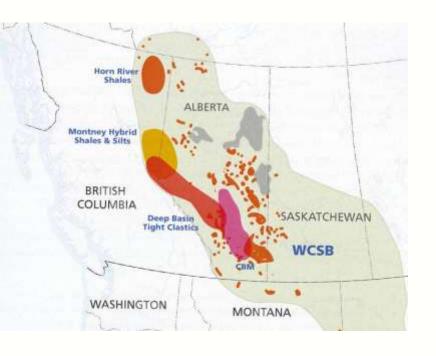
N.A. Natural Gas Pipelines & 2011 Cdn. Exports to U.S. (bcf/d)





- Existing infrastructure serves N.A. markets.
- Changing S/D dynamics necessitate market growth:
 - N.A. (transportation, power)
 - LNG Exports (price, takeaway)

Canada's LNG Export Opportunity



Primary Drivers:

- Large Resource Potential
- •522 Tcf of Conventional Natural Gas (346 Tcf Remaining)
- 376-947 Tcf of Unconventional Natural Gas
- Geographical Proximity to Asian Markets
- Growing Competition within North American Market
- Rapid Growth in World LNG Trade
- •Foreign Investment playing an important role in developing large unconventional resource base in N.E. British Columbia

Potential Canadian West Coast LNG Terminals



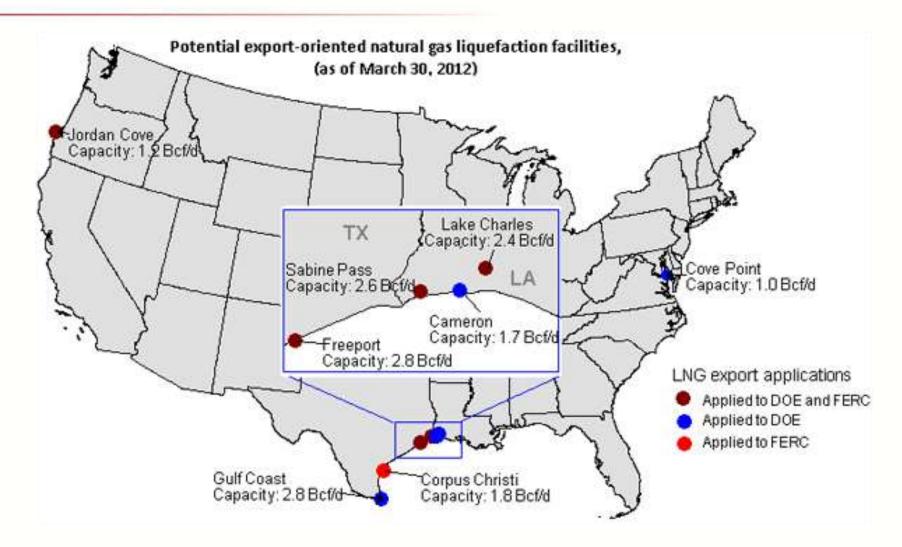
Ports of Kitimat and Prince Rupert are closer to Asia than any other North American port:

- 8 sailing days to Japan
- 9 sailing days to Korea
- > 11 sailing days to China

Canadian LNG Export Project Development:

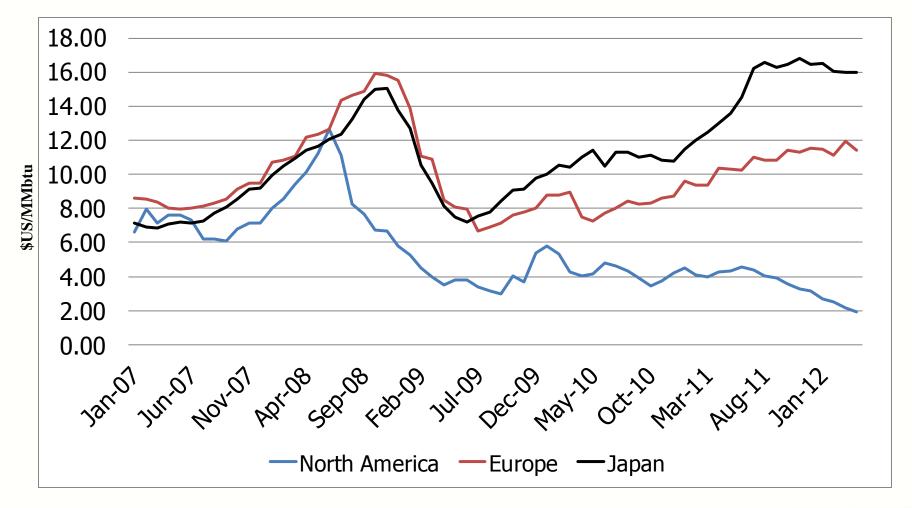
•Companies	Location	Capacity	Est.	Status
Apache/EOG/Encana	Bish Cove, Kitimat, BC	1.4 Bcf/d	2015	Awaiting FID
•BC LNG Export Cooperative	Kitimat, BC	0.25 Bcf/d	2013	Awaiting FID
·Shell/China National/Korea Gas	Kitimat, BC	1.8 Bcf/d	-	Advanced
Progress/Petronas	TBD	1 Bcf/d	2018	Conducting feasibility
•Nexen/Inpex	TBD			Conducting feasibility

Potential U.S. LNG Terminals



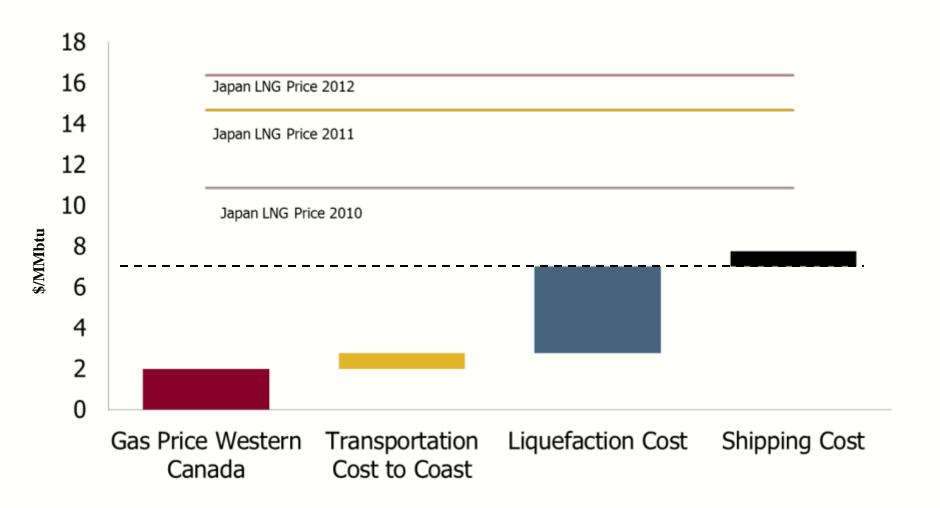


World Natural Gas Prices



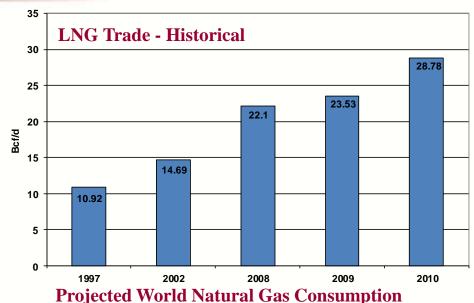
Source: World Bank

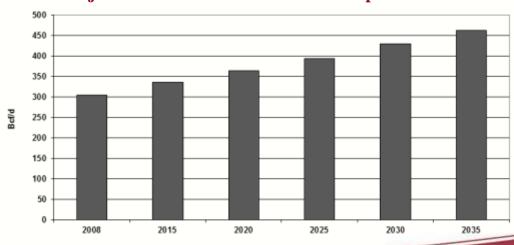
Favourable Project Economics Associated with Serving Asian Natural Gas Markets



Outlook for LNG Trade

- LNG trade has almost tripled since 1997
- Increases in world wide gas consumption will drive growth in world LNG trade
- Currently about 7% of all natural gas produced finds its way into the LNG market
- EIA is anticipating that the LNG market will account for an increasing share of world natural gas trade as liquefaction capacity almost doubles over the next two decades

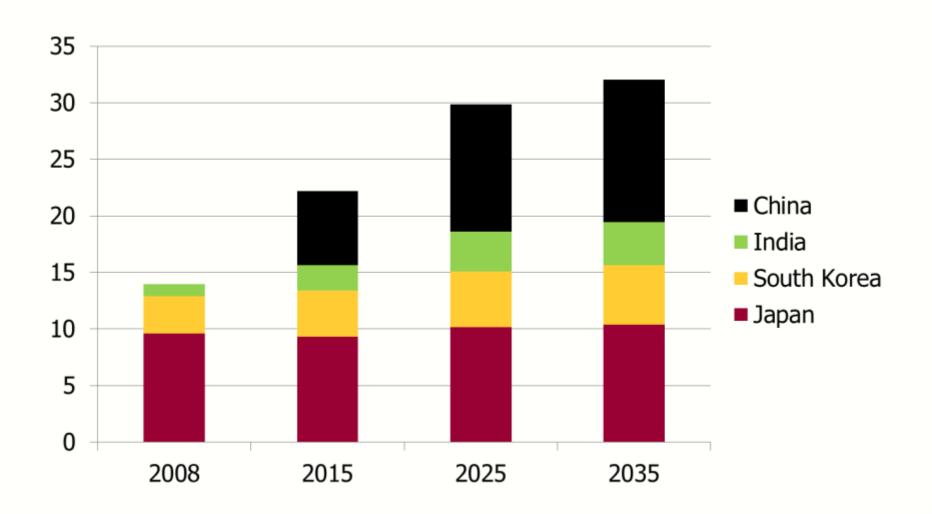




Source: EIA 2011 International Energy Outlook



Projected Net Natural Gas Imports Bcfd





Australia, A New Global Supplier

Conventional new LNG production in Western Australia

Pluto Project (Woodside/Kansai Electric/Tokyo Gas)	0.55 Bcf/d	2011
Gorgon (Chevron/Exxon Mobil/Shell)	1.92 Bcf/d	2014
Icthys (INPEX, Total)	1.03 Bcf/d	2016
Wheatstone (Chevron/Apache/Tepco/Kogas)	3.22 Bcf/d	2016
Prelude Floating Liquefied Natural Gas (Shell)	0.70 Bcf/d	2017

Coal Seam-Gas-LNG Eastern Australia

Australia Pacific LNG (ConocoPhilips/Origin)	2.33 Bcf/d		2014
Gladstone LNG (Santos/Petronas/Total/Kogas) 0.82 Bcf/d		2015	
Queensland Curtis (BG/CNOOC/Tokyo Gas)	1.64 Bcf/d		2014

- Australia is expected to experience a major increase in natural gas production
- Scarce resources, overheated construction market, labour shortage, and limited number of LNG Engineering, Procurement and Construction contracts may result in cancellation or delay in some projects
- Conventional LNG will compete with Coal seam gas-to-LNG.



Consumers Benefit from Shale Gas Production

Canada:

Recent article in Globe & Mail on shale gas states:

- "...the slump in natural gas prices since 2008 has shaved more than \$11.8 billion off Canada's annual fuel bill, figures from Statistics Canada show."
- "And in Ontario and Quebec, which account for 40 per cent of Canada's gas demand, consumers paid \$4.5 billion less for their gas last year than in 2008."

United States:

Consumers saved \$83.9 billion in 2011 compared to 2008.

Average natural gas price by user and total spending, 2008 vs. 2011

User	Avg. Price 2008	Spending 2008 (B)	Avg. Price 2011	Spending 2011 (B)	Savings 2011 vs. 2008 (B)
Residential	\$13.89	\$67.95	\$11.39	\$51.12	\$16.83
Commercial	\$12.23	\$38.56	\$9.47	\$28.02	\$10.54
Industrial	\$9.65	\$64.37	\$5.49	\$33.98	\$30.38
Electric Power \$9.65 Total, 2008	\$9.65	\$64.35	\$5.49	\$38.16	\$26.19
	Total, 2008	\$235.23B	Total, 2011	\$151.29B	\$83.94B

Note: Prices are per 1,000 cubic feet.

Dr. Mark J. Perry University of Michigan

http://www.summittenergy.ca/category/ontario-gas

Shale Gas Development – Economic Impact on U.S. Economy

Jobs:

 Will grow from 600,000 in 2010 to 870,000 in 2015.

Contribution to GDP:

More than \$76 billion in 2010. Will increase to \$118 billion in 2015, and triple to \$231 by 2035.

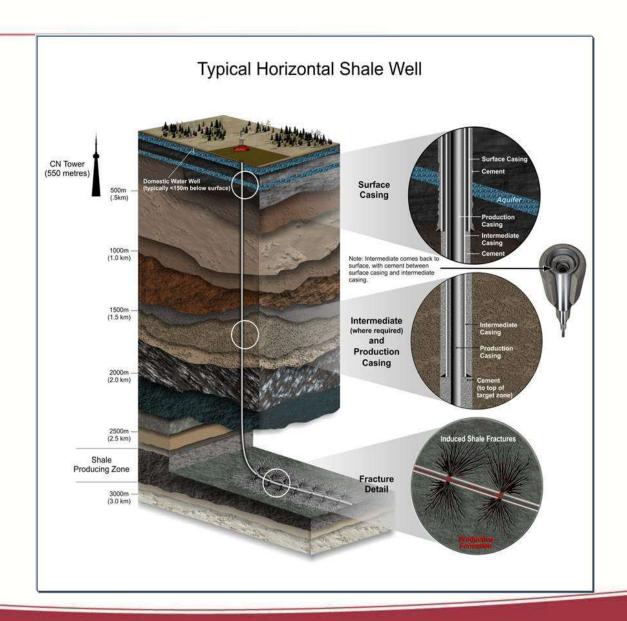
Government taxes & royalties:

\$18.6 billion in 2010 growing to \$57 billion in 2035

Source: IHS Global Insight



Fracking Technology



CAPP Guiding Principles for Hydraulic Fracturing

- 1
- We will safeguard the quality and quantity of regional surface and groundwater resources, through sound wellbore construction practices, sourcing fresh water alternatives where appropriate, and recycling water for reuses as much as practical.
- 2
- We will measure and disclosure our water use with the goal of continuing to reduce our effect on the environment
- 3
- We will support the development of fracturing fluid additives with the least environmental risks.
- 4
- We will support the disclosure of fracturing fluid disclosure.

- 5
- We will continue to advance, collaborate on and communicate technologies and best practices that reduce the potential environmental risks of hydraulic fracturing.

Natural Gas - Environment

Natural Gas generates half as much carbon dioxide as coal to produce the same amount of electricity

Carbon dioxide:

- Natural gas 1135 lbs/MWh
- Coal 2,249 lbs/MWh

Sulphur dioxide:

- Natural gas 0.1 lbs/MWh
- Coal 13 lbs/MWh

Nitrogen oxides:

- Natural gas 1.7 lbs/MWh
- Coal 6 lbs/MWh
- Shale gas emits 3.8% more GHG than weighted average WCSB gas production on a life cycle basis

Source: U.S. EPA & NRCan



CAPP Communications Focus

Advertising - print and TV

- Raise awareness, promote positive attributes
- Promote broader user
- Highlight economic benefits
- Provide a cleaner energy choice for Asian markets
- Target print advertising for producing areas focus on safe and responsible shale gas development

Engagement and Outreach

- Natural Gas Dialogues across Canada
- Community engagement
- Outreach via web and social media

Media Relations

- Continue with rapid-response
- Media tours

Lower Profile Upstream Effort

On fracking in operating areas

