

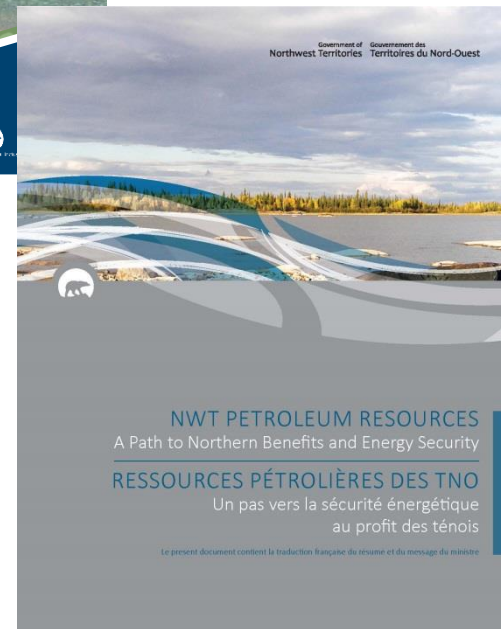


Government of
Northwest Territories

Government of the NWT Mineral and Petroleum Division Arctic Development Efforts

Wednesday, June 12,, 2019
Arctic Development Expo - Inuvik
Dr. Menzie McEachern

The Government of the Northwest Territories is committed to successful and responsible Minerals and Oil & Gas industries



Government of
Northwest Territories

Exciting opportunities for Inuvik Region mineral development



Support Inuvialuit and
Gwich'in pursuit of
regional mineral
development strategies



Provision of prospector training opportunities

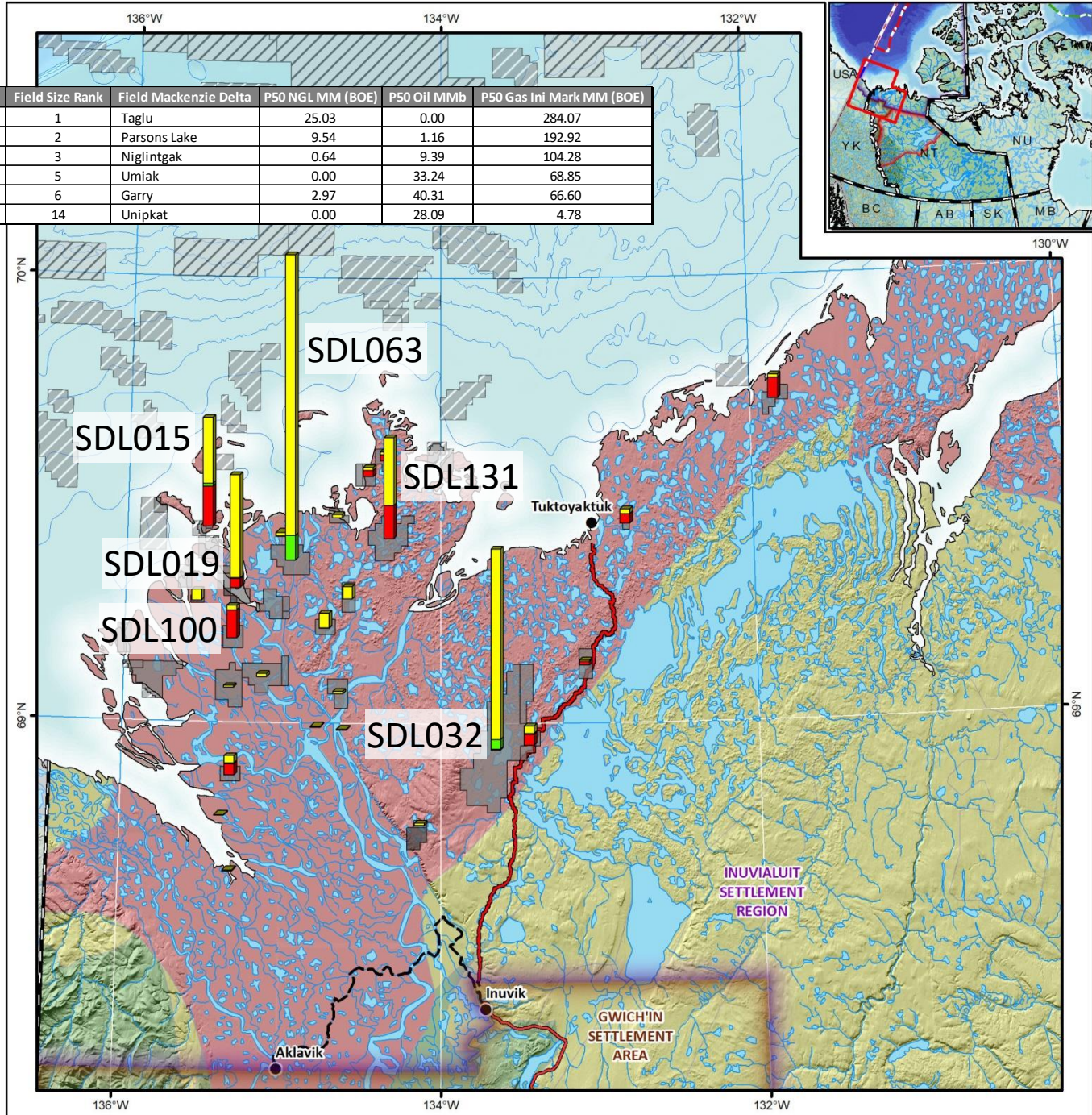


Mackenzie Delta petroleum resources are substantial



Mackenzie Delta Resource Estimates

LAND CODE	ASSOCIATION TYPE	OPERATOR	Field Size Rank	Field Mackenzie Delta	P50 NGL MM (BOE)	P50 Oil MMb	P50 Gas Ini Mark MM (BOE)
SDL063	SDL	Imperial Oil	1	Taglu	25.03	0.00	284.07
SDL032	SDL	ConocoPhillips Canada	2	Parsons Lake	9.54	1.16	192.92
SDL019	SDL	Shell Canada	3	Niglintgak	0.64	9.39	104.28
SDL131	SDL	MGM / ConocoPhillips	5	Umiak	0.00	33.24	68.85
SDL015	SDL	Chevron Canada / Suncor	6	Garry	2.97	40.31	66.60
SDL100	SDL	Shell Canada	14	Unipkat	0.00	28.09	4.78



- NWT Communities
- Limit of Exclusive Economic Zone Pursuant to Bilateral Boundary Agreement
- International Boundary
- Provincial or Territorial Boundary
- Offshore Oil and Gas Rights - INAC**
- ▨ Exploration Licence
- ▨ Pioneer Lease
- ▨ Significant Discovery Licence
- Oil and Gas Rights - GNWT**
- Production Licence
- Significant Discovery Licence
- NWT Hydrocarbon Potential**
- NWT: NTGO - Open File 2005 - 04**
- High - Very High
- High / Moderate - Moderate - Low
- Low - Very Low
- P50 Gas MMBOE
- P50 NGL MMBOE
- P50 Oil MMb
- Inuvialuit Settlement Region
- Gwich'in Settlement Area
- Sahtu, Dene and Metis Settlement Area

Document: Mackenzie Delta_Resource_Estimates_v9_Apr17_2019.mxd
 Document Security: DRAFT
 Source: Petroleum Resources Division, Industry Tourism and Investment
 Projection: Modified Lambert Conformal Conic
 Central Meridian: 124.5°W
 Standard Parallels: 62°N, 70°N
 Datum: NAD83

New realities allow for
a modern approach to
Mackenzie Gas



Floating Liquid Natural Gas (FLNG) technology being used globally



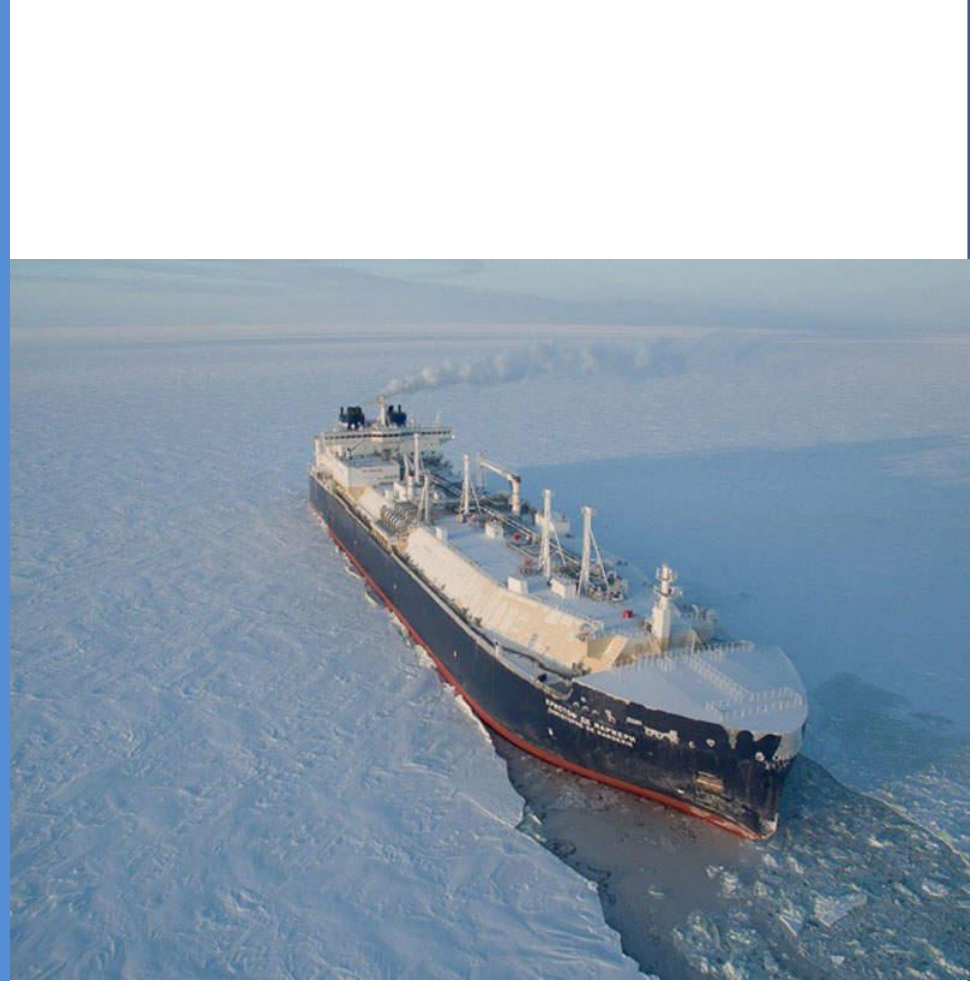
Shell - Australia



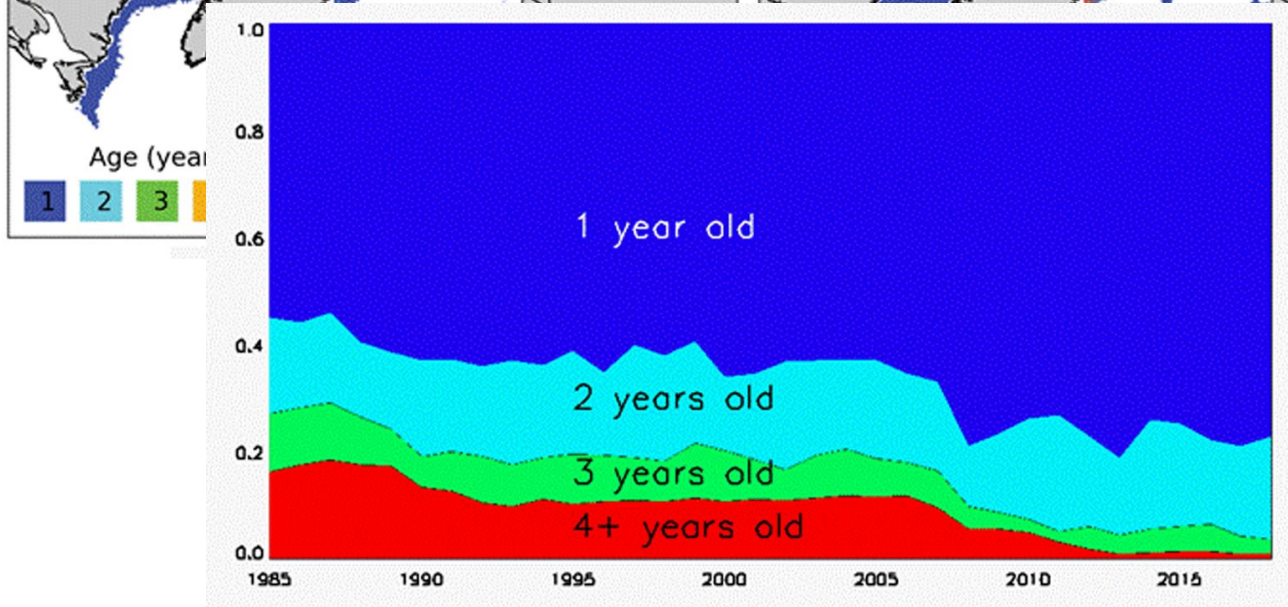
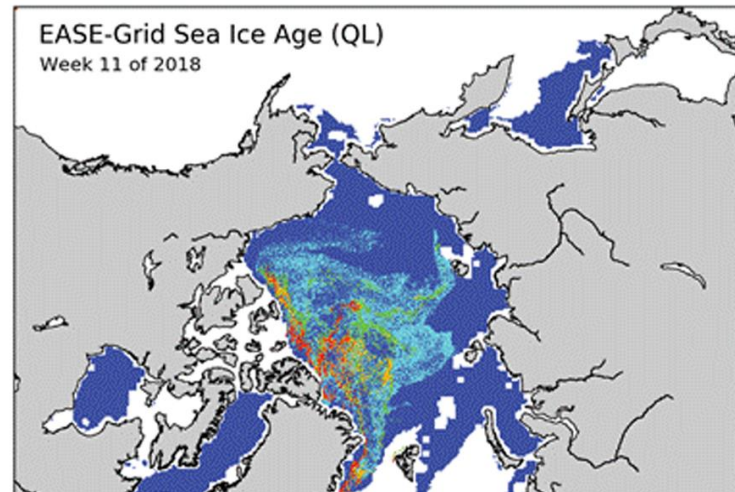
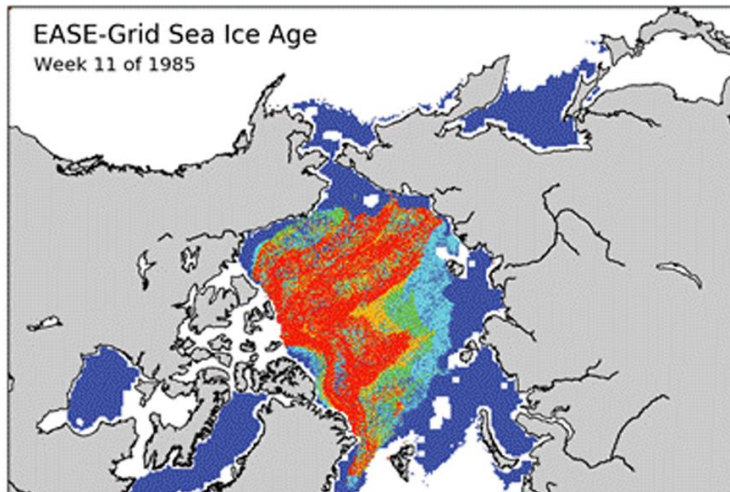
Petronas - Malaysia



Ice breaking LNG tankers
currently operate in the
arctic



Reduced and reducing Beaufort Sea ice cover



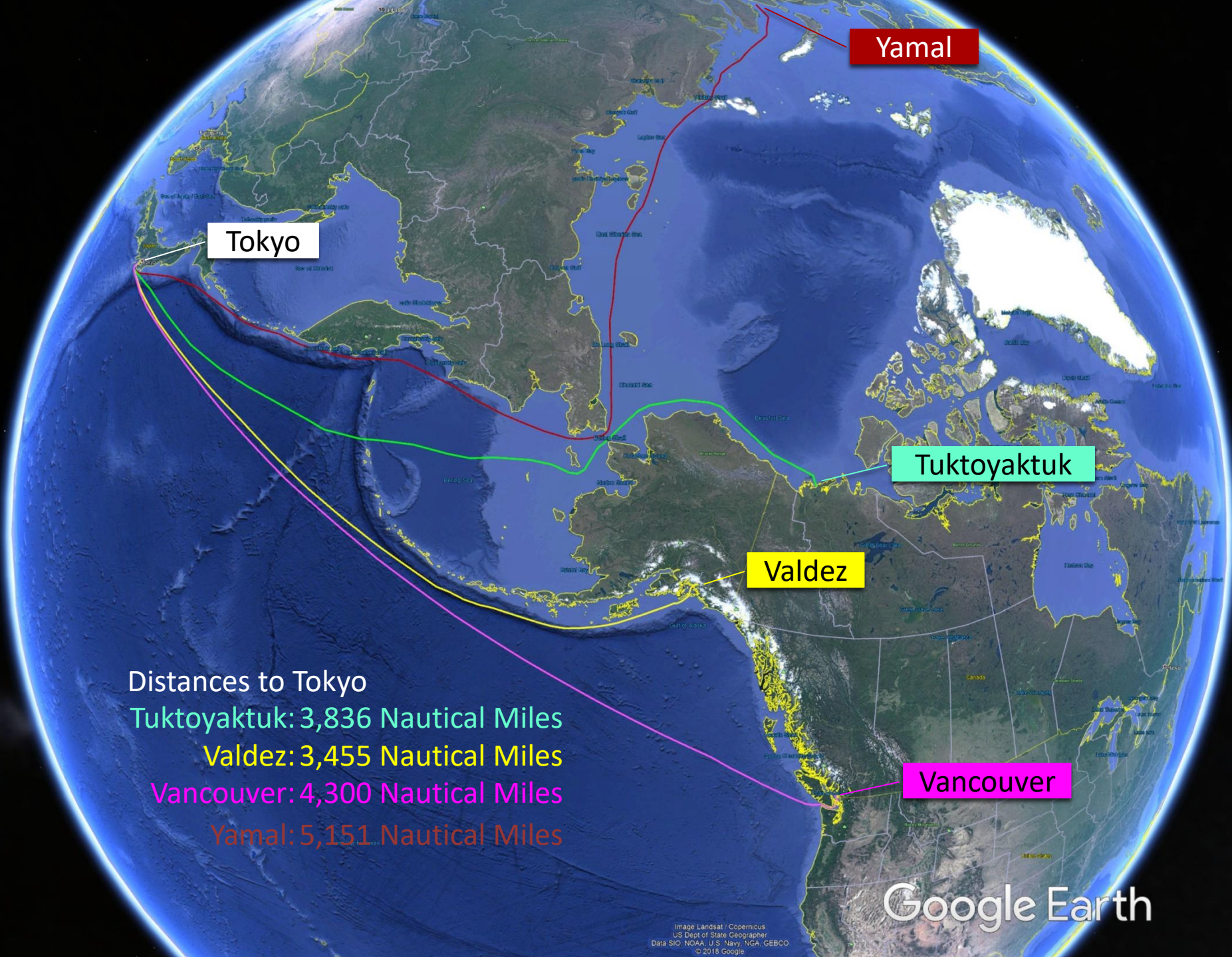
Strong future
Asian demand
for natural gas

Natural Gas Demand to 2040 (TcF)



Recreated from US Energy Information Administration, 2016





Tokyo

Yamal

Tuktoyaktuk

Valdez

Vancouver

Distances to Tokyo
 Tuktoyaktuk: 3,836 Nautical Miles
 Valdez: 3,455 Nautical Miles
 Vancouver: 4,300 Nautical Miles
 Yamal: 5,151 Nautical Miles

Google Earth

Activity limited to one
NWT jurisdiction:
Inuvialuit Settlement
Region



Inuvialuit Regional Corporation:

- ✓ Reputation
- ✓ Business savvy
- ✓ High capacity



GNWT MPR has taken steps
to move this new concept
forward

Government of
Northwest Territories



Government of
Northwest Territories

GNWT will continue to advance potential for responsible development of arctic natural resources for the benefit of Inuvialuit, Gwich'in and all residents of the NWT.



Thank you.

Questions?

Dr. Menzie McEachern
menzie_mceachern@gov.nt.ca
867-767-9209 Ext. 63160

