

## Proposed Liquefied Natural Gas (LNG) Projects in Northern B.C.

Liquefied Natural Gas (LNG) Facilities								Pipelines				
PRINCE RUPERT												
Name	Status	Partners	Location	Capacity billion cubic feet/day	In-service Date	Power Requirements	Tankers per year Small: 130,000 m <sup>3</sup> Large: 260,000 m <sup>3</sup>	Name	Status	Proponent	Details	Gas Source
Prince Rupert LNG	EA: Pre-application under CEAA May/2014. Application Information Requirements approved Aug/2014.  Export license: approved by NEB Dec/2013 for 21 MTA (2.7 bcf/d).  **Oct/2014, BG announces 1+ year delay on investment decision**	BG Group	Ridley Island, Prince Rupert	1.8 - 2.7	*delayed	Approx. 600 MW	Small: 239 - 358 Large: 119 - 179	Westcoast Connector Gas Transmission Project	EA: Approved by BC EA Nov/2014.	Spectra/BG Group (50/50)	36" - 48" diameter, 870 km, 4.2 Bcf/d. Up to 2 pipelines. Cypress to Ridley Is. via Babine and Nass Valleys.	
Pacific Northwest LNG	EA: Approved by BC EA Nov/2014 Export license: approved by NEB Dec/2013 for 22 MTA (2.8 bcf/d).  CEAA: June 2/15 requires more information from proponent esp. regarding salmon, air quality and FN. Review halted on day 263 of 365-day process. Resumed December 11, 2015. Minister's decision due before March 22, 2016, after a 30-day public consultation on CEAA's draft recommendations.  June/15, Petronas announces "conditional investment decision"  July/15 BC Legislature passes enabling statute.	Petronas/Japex/Petroleum Brunei /Indian Oil Corp/Sinopec (62/10/3/10/15)	Lelu Island, Port Edward	1.5 - 2.3	2020-2021	Approx. 800 MW	Small: 199 - 305 Large: 99 - 152	Prince Rupert Gas Transmission Project	EA: Approved by BC EA Nov/2014.  Pipeline receives permits from BCOGC in October 2015.	TransCanada	48" diameter, 900 km, 2 - 3.6 Bcf/d. Hudson's Hope to Lelu Island. Proceeding with South Central Alternative route with marine portion from Nass Bay to Lelu Island.	Progress' holdings in North Montney plus other
WCC LNG Ltd	EA: Pre-application under BC EA Jan/2015. Export license: approved by NEB Dec/2013 for 30 MTA (3.8 bcf/d).	Imperial Oil/Exxon Mobil	Lot 444, Tuck Inlet, Prince Rupert	up to 3.8	2024	Unknown	Small: 504 Large: 252	TBA				
Aurora LNG	EA: Pre-application under BC EA June/2014. Export license: approved by NEB May/2014 for 24 MTA (1.5 bcf/d).  EA: Aug/15 draft Application Information Requirements available. Public comment period open Sept. 1- Oct.1 2015.	Nexen/INPEX/JGC Corporation	Digby Island	1.5 - 3.1	2023	Unknown	Small: 225 - 425 Large: 112 - 213	TBA				
Grassy Point LNG	EA: submitted Project Description to EAO in Aug/2014. Export License: approved by NEB Jan/2015 for 20 MTA (2.5 bcf/d).	Woodside Energy Holdings (Australia)	Grassy Point and/or Tuck Inlet	up to 2.5	2018	Unknown	Small: 330 Large: 165	TBA				

Triton LNG LP	Export license: application approved by NEB May/2014 for 2.3 MTA (0.3 bcf/d).	AltaGas Ltd/ Idemitsu Kosan	Kitimat or Prince Rupert barge facility	0.3	2017	Unknown	Small: 40 Large: 20	TBA				
TBA	Responded to BC Gov's EOI April/2013.	SK E&S (Korea)	Grassy Point	TBA	TBA	Unknown	TBA	TBA				
Orca LNG	Export license approved by NEB July/2015 for 10 MTA (1.3 bcf/d).	Orca LNG Ltd.	Prince Rupert area barge facility	1.3	TBA	Unknown	Small: 178 Large: 89	TBA				
TBA	Export license application submitted to NEB Feb/2015 for 12 MTA (1.5 bcf/d).	NewTimes Energy Ltd.	Prince Rupert - location unknown - floating facility	1.5	2019	Unknown	Small: 198 Large: 99	TBA				

Liquefied Natural Gas (LNG) Facilities								Pipelines				
KITIMAT												
Name	Status	Proponents	Location	Capacity billion cubic feet/day	In-service Date	Power Requirements	Tankers per year Small: 130,000 m <sup>3</sup> Large: 260,000 m <sup>3</sup>	Name	Status	Proponent	Details	Gas Source
Kitimat LNG	EA: BC EAO Certificate issued June/2006. EAO extended Certificate May/2011. Mandatory construction start by June/2016. Export license: approved by NEB Oct/2011 for 10 MTA (1.3 bcf/d). Jan/2015, Chevron announces significant decrease in spending on Kitimat LNG Sept/15 EAO announces project substantially started.	Chevron/Woodside Petroleum **Apache exited July/2014, Woodside entered Dec/2014**	Bish Cove, Kitimat	0.6 -1.3	2016	Unknown	Small: 80 - 172 Large: 40 - 86	Pacific Trails Pipeline	BC EA Certificate issued June/2008. EAO extended Certificate June/2013. Mandatory construction start by June/2018.	Chevron/ ?? **Apache exited proposal July/2014**	42" diameter.462 km 1.0 Bcf/d Summit Lake to Kitimat via Morice R.	Chevron/ Apache holdings in Horn and Liard Basin
LNG Canada Gas	EA: Approved with conditions under joint BC EA/CEAA process June/2015. Export license: approved by NEB Feb/2013 for 24 MTA (3.1 bcf/d). Facility permit approved by BCOGC January 2016 Export license: approved by NEB January 2016 to ship a total of 52.7 Tcf of gas, at a rate of up to 3.7 Bcf/d, for 40 years	Shell/PetroChina/Mitsubishi/Kogas	Kitimat	1.5 - 3.1	2018	Approx. 1200 MW	Small: 225 - 425 Large: 112 - 213	Coastal Gas-Link Pipeline Ltd.	BC EA Certificate issued Oct/2014.	TransCanada	48" Diameter .650 km. 1.7 - 5.0 Bcf/d. Dawson Creek to Kitimat. Parallels PTP corridor except west of Burnie River.	
Douglas Channel LNG	EA: not required. Export license: approved by NEB Feb/2012 for 1.8 MTA (0.2 bcf/d).	AltaGas Ltd./Idemitsu Kosan Co./EDF Trading Ltd./EX-MAR NV	Kitimat Barge facility	0.09 - .11	2018	Unknown	Small: 12 - 15 Large: 6 - 7	Existing PNG pipeline	EA not required.	Pacific Northern Gas	10" diameter, 0.115 Bcf/d. Summit Lake to Kitimat.	
Triton LNG LP	Export license: application approved by NEB May/2014 for 2.3 MTA (0.3 bcf/d).	AltaGas Ltd/Idemitsu Kosan	Kitimat or Prince Rupert barge facility	0.3	2017	Unknown	Small: 40 Large: 20	PNG Looping Project (twinning of existing pipeline)	Pre-application under BC EA. Public comment period on draft Application Information Requirements closed Jan/2014.  Intended to supply Triton and Douglas Channel LNG and domestic customers.	Pacific Northern Gas	24" diameter, 525 km, 0.6 Bcf/d. Summit Lake to Kitimat.	
Cedar LNG Export 1	Export license: application submitted to NEB Aug/2014 for 2.9 MTA (0.38 bcf/d).	Haisla First Nation	Barge/ves-sel based liquefaction	appx. 0.38	2017-2020		Small: 80 Large: 40					

Cedar LNG Export 2	Export license: application submitted to NEB Aug/2014 for 5.8 MTA (0.78 bcf/d).	Haisla First Nation	Barge/vessel based liquefaction	appx. 0.78	2017-2020		Small: 80 Large: 40					
Cedar LNG Export 3	Export license: application submitted to NEB Aug/2014 for 5.8 MTA (0.78 bcf/d).	Haisla First Nation	Barge/vessel based liquefaction	appx. 0.78	2017-2020		Small: 80 Large: 40					

Liquefied Natural Gas (LNG) Facilities								Pipelines				
OTHER												
Name	Status	Partners	Location	Capacity billion cubic feet/day	In-service Date	Power Requirements	Tankers per year Small: 130,000 m <sup>3</sup> Large: 260,000 m <sup>3</sup>	Name	Status	Proponent	Details	Gas Source
Kitsault Energy	Export license: application submitted to NEB Dec/2013 for 20 MTA (2.6 bcf/d).	TBA	Kitsault	2.6	2018	Unknown	Small: 337 Large: 169	TBA				
Stewart Energy LNG	Export license: application submitted to NEB Mar/2014 for 30 MTA (3.8 bcf/d)  License granted January 2016 for 25 Tcf of gas over 25 years, in tanker cargoes to be loaded at a rate of up to 4.6 Bcf/d.	Canada Stewart Energy Group	Stewart	0.64 initially	2017	Approx. 250 MW	Small: 84; Large: 42	TBA				