



ENBRIDGE
NORTHERN
GATEWAY PIPELINES

Enbridge Northern Gateway Project Northern Gateway Alliance

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Northern Gateway Alliance Chair
NCDC 2009

What we're planning

- 2 \$4.5 billion pipeline project (*2009 estimate*)
- 2 Twin pipelines 1,170 km in length
- 2 Export petroleum (approx. 525,000 barrels/day to new marine terminal in Kitimat)
- 2 Import condensate (approx. 193,000 barrels/day)
- 2 Create approx. 4,000 construction jobs



Kitimat marine terminal model

Where it's planned



When it's planned

- 2 **2008 - 2011:** Public & government review process
- 2 **2009:** File regulatory application
- 2 **2012 - 2015:** Construction (*subject to regulatory approval*)
- 2 **2015:** Commissioning & start-up



The regulatory process

- 2 Public review led by:
 - Canada's National Energy Board (NEB)
 - Canadian Environmental Assessment Agency (CEAA)

- 2 Additional agencies, including:
 - Transport Canada
 - Department of Fisheries and Oceans

- 2 NEB and CEAA will lead a Joint Review Panel to conduct public hearings along the route

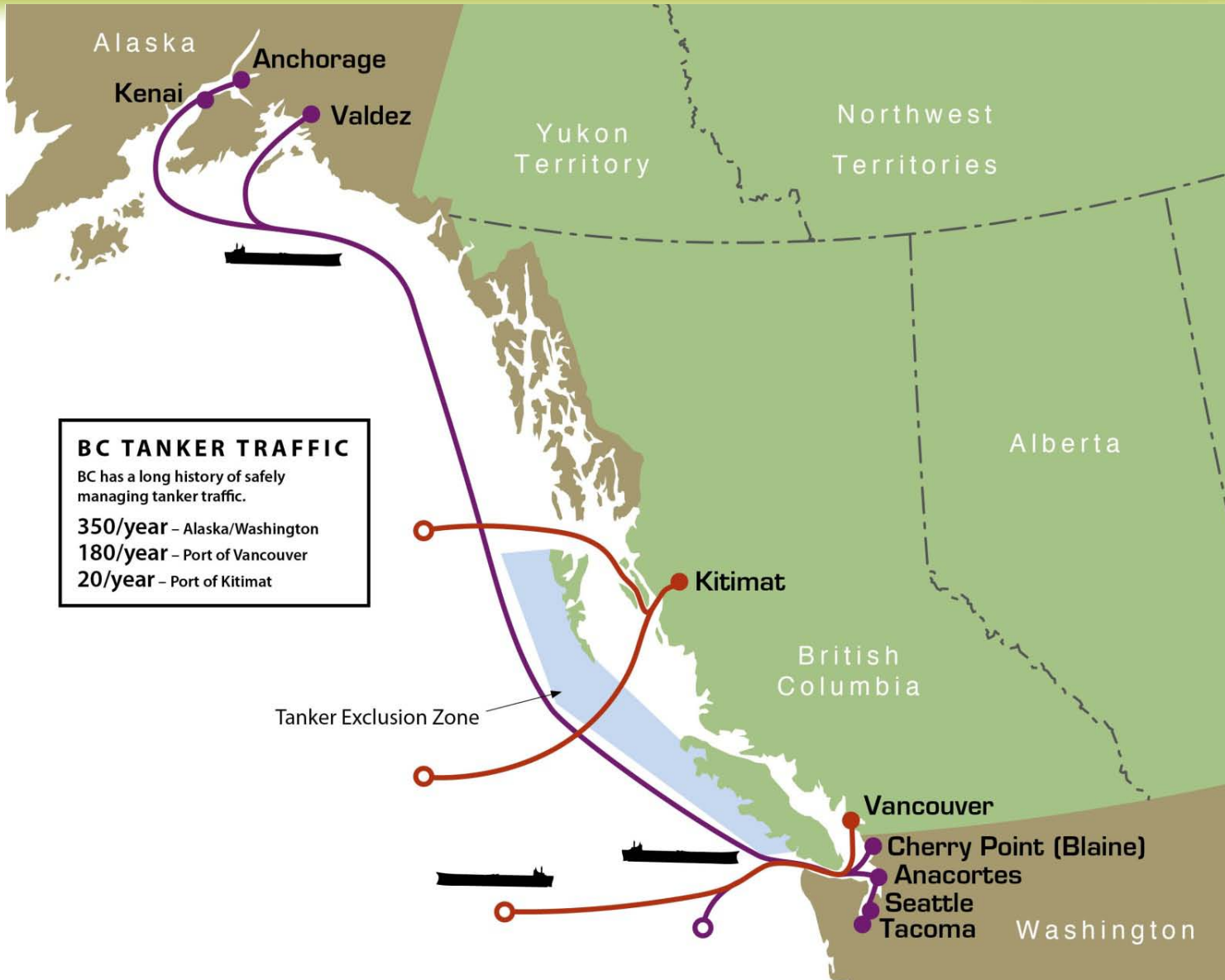


Marine safety- Ground Zero



- 2 Vetting of ships and crew
- 2 Double hulled ships
- 2 Ship steering and navigational systems
- 2 Tug escort operations (tethered towing)
- 2 Compulsory pilotage
- 2 Pilot-carried electronic navigation systems
- 2 Improved navigational aids
- 2 Weather monitoring for ship transit limits
- 2 Ship and terminal safety plans
- 2 Emergency response planning

BC tanker experience

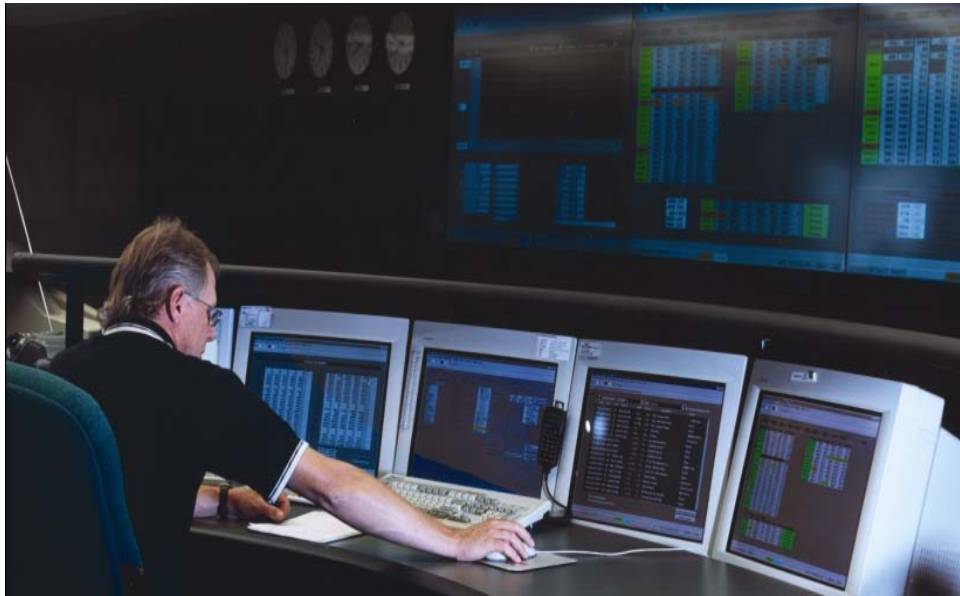


World class emergency response

- 2 Reduced response time
Proposed 6 to 8 hours
- 2 Improved response capability
Engaging communities along
the coast lines
- 2 Integrated response
organization
Along the highway as well
- 2 International pooling of
resources



Pipeline safety



Control centre

- 2 24/7 monitoring from sophisticated control centre
- 2 In-line inspection tools (“pigging”)
- 2 Proven technology and strict operational standards
- 2 Safety control valves and leak detection systems
- 2 Enhanced rapid and effective emergency response

Keys to success

- 2 Environmental stewardship
 - Pipelines
 - Marine

- 2 Aboriginal engagement
 - Alignment of interests
 - Sustainable benefits

- 2 Northern communities
 - Collaborative processes
 - Sustainable development



Northern communities

- 2 Community Open Houses
- 2 Presentations: local governments, chambers of commerce, service clubs
- 2 Greening Initiative
- 2 Northern Gateway Trust
- 2 Community Advisory Boards
- 2 Regional offices in Kitimat, Terrace, Vancouver and Calgary
- 2 www.northerngateway.ca
- 2 www.northerngatewayalliance.ca



Terrace office

Economic benefits

- 2 \$2.4 billion in wages earned in northern BC and Alberta
- 2 Support for local businesses; sole sourcing
- 2 More than 4,000 jobs created during three years of construction
- 2 More than 200 permanent jobs
- 2 Infrastructure improvements, population increases, economic spin-offs
- 2 Support the development of transferable skills



Local opportunities

2 Local hiring: union and non-union labour

2 Contracting

- Skilled construction work
- Electrical and mechanical contracting
- Transportation (air, trucking)
- Clearing, logging and salvage
- Site restoration
- Industrial rentals, repairs
- Environmental monitoring
- Field technicians
- Food services and accommodation
- Supplies (concrete, gravel, building materials)



2 Joint ventures

2 Business development

2 Education and training

Summary

- 2 We have the experience, people and technology to ensure this project is safe and reliable
- 2 There is real demand for our products by people all over the world
- 2 Our goal is to balance the environmental, social and economic benefits of the project
- 2 We understand the challenges ahead and look forward to continuing the discussion with all communities



Northern Gateway Alliance



- 2 Northern Alliance is a Community Coalition of community leaders; from Business, Labour, Local Government & Concerned Citizens throughout the proposed pipeline corridor
- 2 Established to support the regulatory review process
- 2 Voice for communities to participate in the regulatory review process

Alliance membership

- 2 Chair person
- 2 Board of Directors from Bruderheim Alberta to Kitimat BC – 8 in total
- 2 Leaders
- 2 General membership

Alliance role

- 2 Keep Communities informed of the Joint Review Panel Process
- 2 Work with Communities to find a suitable resolve to all issues
- 2 Develop and host the Suppliers Workshop for each spread along the proposed corridor

Questions?



www.northerngatewayalliance.ca