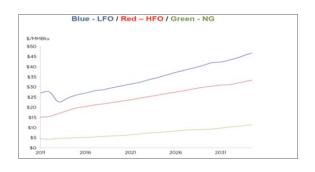


Today we will be discussing the following topics.















The majority ownership of WesPac Midstream, LLC is held by two large Capital investment firms along with a lesser portion owned by a large diversified construction corporation.



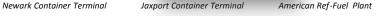


















Kern River Pipeline

Boron LNG Plant

Sunrise Power Plant



Most recently WesPac affiliate Primoris has worked on small scale LNG projects.



Boron California LNG Plant

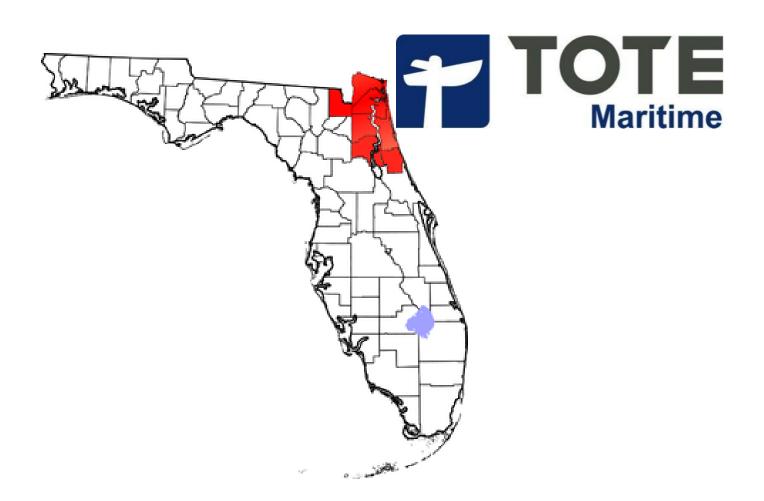


Projects in Development





WesPac is focused on purpose built facilities for specific regional requirements.





WesPac is focused on providing turn key services using its affiliate companies.











WesPac has an unbiased approach to technological equipment providers.



Innovation. Experience. Performance.™









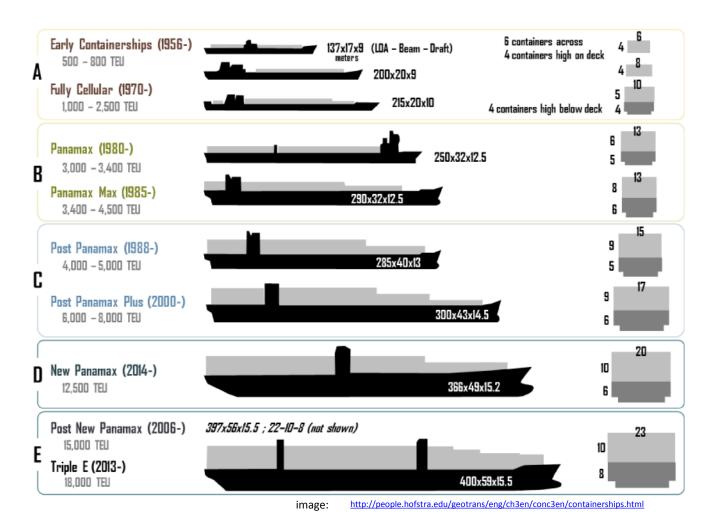
The birth of an industry, containerized shipping.



Malcom Purcell McLean

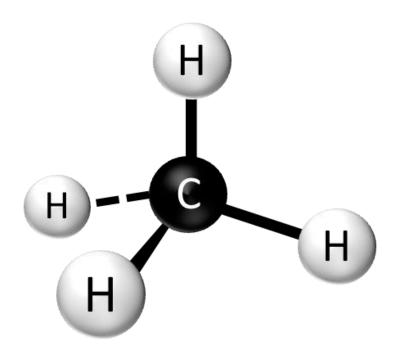


A brief background of the container shipping industry.





Liquefied Natural Gas (LNG) Facts





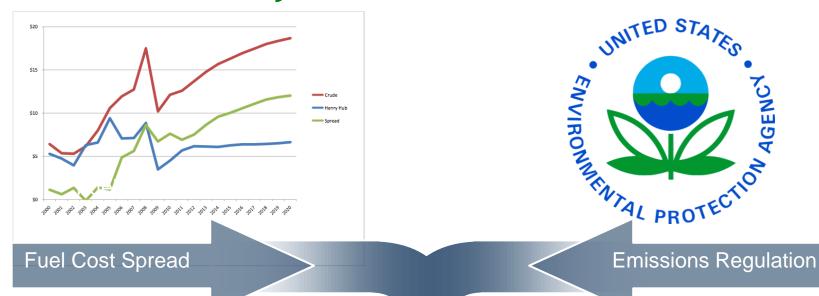
Comparison Between LNG and Other Fuels

	LNG	PROPANE	DIESEL
Btu Per Gallon	86,000	91,000	139,000
Gallons Per MMBtu	11.63	10.99	7.19
Relative Energy Density	1.00	1.06	1.62
Ignition Termerature (F)	1,004	842	437
Boiling Point	-260	-44	+370
Leaks and Spills	Vaporizes To Atmosphere		

Boiling point simple definition: The point at which a liquid turns into gas



The adoption of LNG by Marine Markets is Driven by Two Main Factors

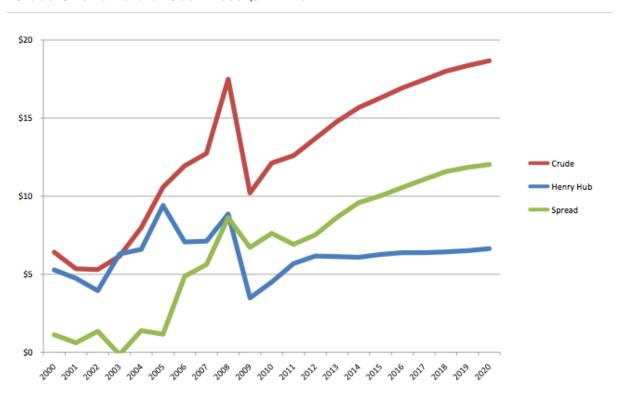


Widespread Shift to LNG as Marine Fuel



An economic driver for conversion to LNG would be the growing cost spread between the two fuels and their predecessors crude oil and NG.

Crude Oil and Natural Gas Prices \$/MMBtu



Source: Energy Information Administration – AEO 2010



Fuel Cost Spread





Regulatory Drivers





Reduce ∞_2 Emissions Up to 50%

Reduce NOx Emissions

Reduce CO Emissions

Reduce PM Emissions

Natural Gas Emission
- Reductions Versus Diesel -



Reduce SOx Emissions

Emission regulations -

ECA requirements - US

- Sulphur (all ships)
 - Today
 - 2012 (august): max 1.0% sulphur fuel
 - 2015: max 0.1% sulphur fuel
- NOx (newbuilds)
 - 2011: 20% NOx reduction from marine engines
 - 2016: 80% NOx reduction



- Switch to Low sulphur fuel
- Install exhaust gas cleaning system
- Switch to LNG

California regulation already limits the use of marine bunker to either Marine Gas Oil (max 1.5%) and Marine Diesel Oil (max 0.5%) within 24 nm of land. From January 2012 this will be reduced to 0.1%.

Experiences from the Baltic Sea ECA 27 August 2010 @ Det Norske Veritas AS. All rights reserved.

MANAGENG RISE





Environmentally a winner

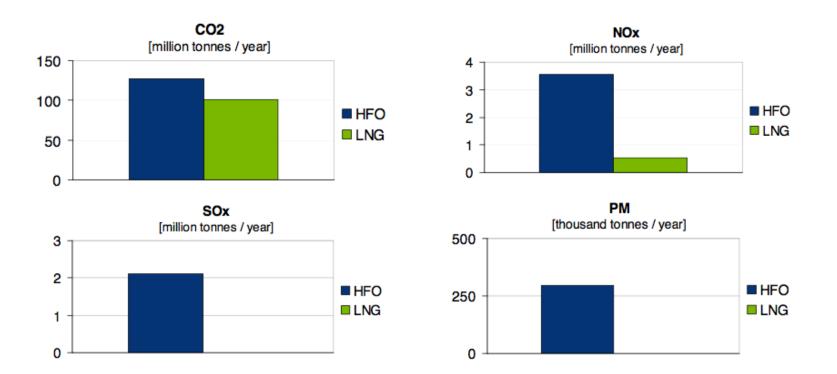


Experiences from the Baltic Sea ECA 27 August 2010 © Det Norske Veritas AS. All rights reserved.





Yearly emissions from shipping in US waters



Achieving a 10% LNG share of total fuel burned in US waters would reduce NOx emissions by the equivalent of 15 million cars

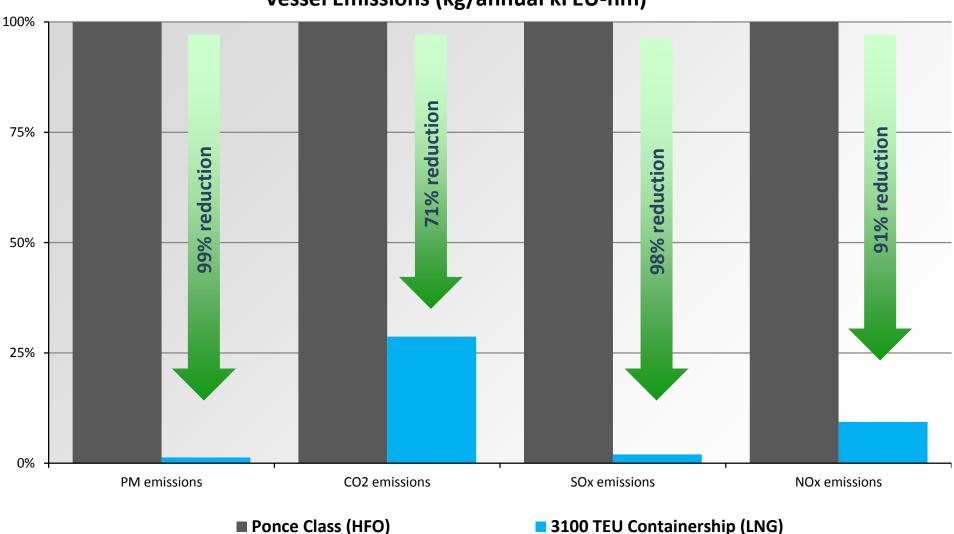
LNG as a Maritime Fuel in North America 27 August 2010 © Det Norske Veritas AS. All rights reserved.





Emissions Comparison





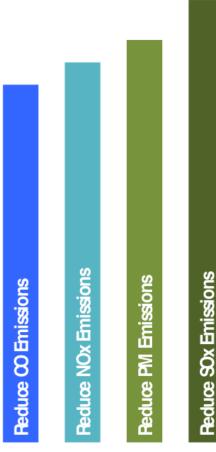
Health, Safety & Environmental Advantages

Safety

- Vapors rise and dissipate into the air
- Stored at atmospheric pressure
- Lower flammability limit of 5% is 10 times higher than fuel oil
- 1,000 °F auto ignition temperature is highest among all hydrocarbon fuels

Environmental

- Significant emission reductions from combustion versus fuel oil or diesel
- LNG plant emissions are very minimal
- Vaporizes when spilled without contaminating soil or water



Up to 50%

Reduce CO₂ Emissions

Natural Gas Emission
- Reductions Versus Diesel -



Marine Driven by both Cost Advantage and ECA





Stricter emission requirements are being enforced for global shipping, and even stricter in designated Emission Control Areas (ECA).



Natural Gas Supply Chain For LNG Production

Production and Processing

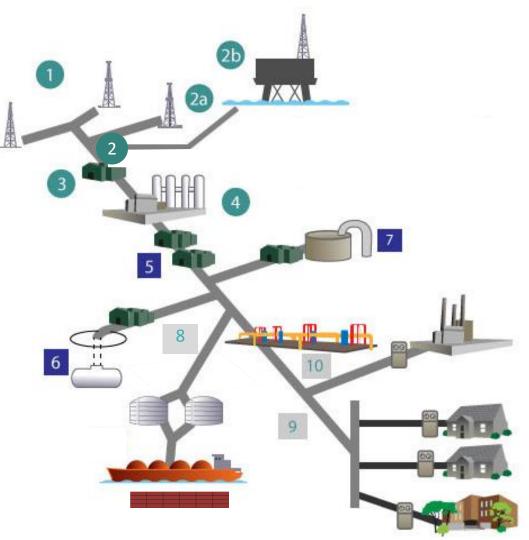
- 1. Producing Wells
- 2. Gas gathering
- 3. Boosting
- 4. Gas Processing

Transmission and Storage

- 5. Transmission Compressor Stations
- 6. Underground Storage
- 7. LNG Storage

Distribution and Consumption

- 8. Liquefaction, Storage and LNG fueling
- Distribution and Mains
- 10. Regulators and Metered Service





The Natural Gas Liquefaction Process is similar to air conditioning, WesPac's process will use inert nitrogen gas as the refrigerant.

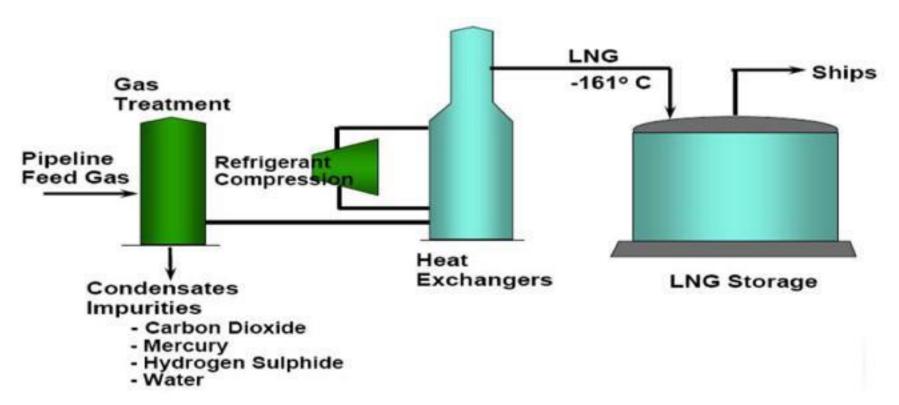


image: SeekingAlpha.com



Tank Storage and Loading

- LNG is stored as a cryogenic fluid at atmospheric pressure
- Tank construction relatively expensive
 - Stainless steel or high nickel content steel
 - Can be up to 40% of overall facility costs
- NFPA and Maritime rules must be followed
- Significant property boundary offsets

 Storage volume dependent on offtake schedule and transport vessel size



 Large storage tanks need a demand of at least 4,000 Mcf/d or 50,000 gallons per day



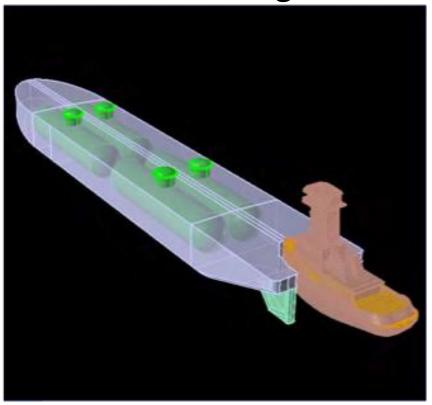
LNG Bunkering Vessel Design

Various designs will be used, below is one example:

Bunkering Barge



Vessel Tank Configuration





WesPac LNG Marine Facility - simplified example -







First of its kind in the United States!



THANK YOU

