World Leader in Marine Alternative Fuel Use!

JAXPORT

Northeast Florida’s Economic Engine and Southeast Gateway

AAPA Regional Roundtable on Energy

September 14, 2016
Vancouver, B.C.
LNG is Liquefied Natural Gas, the same natural gas safely used in homes and businesses for more than 100 years, but stored as a liquid.

Natural gas becomes LNG when cooled to -260°F. At this point, the natural gas condenses into a clear, non-flammable, non-corrosive liquid occupying 1/600 of the space of natural gas at atmospheric pressure.

LNG when warmed above -260°F at atmospheric pressure returns to a gas.

LNG is stored at very low pressure (~0 – 200 psi).
LNG FACTS

• LNG is not explosive or flammable
• LNG is not corrosive
• LNG will not mix with water (it floats)
• If LNG is spilled, it quickly vaporizes and rises into the air
• There is no residue after a LNG spill on water or soil
• LNG is odorless, colorless and non-toxic
NORTH AMERICAN EMISSION CONTROL AREA (ECA)
The LNG Bullseye is Centered Over JAXPORT
Tote Maritimes’ *Isla Bella*’s Launch on April 18, 2015

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Tote Press Release:
Our Marlin-class vessels will be the most advanced, environmentally responsible vessels of their kind – reducing vessel sulfur emissions by 97 percent while providing safe, reliable cargo deliveries that keep communities moving. This investment demonstrates our commitment to the people of Puerto Rico and our environment. These vessels mark a new age of shipping, using the best technology in the world.

TOTE LAUNCHES *PERLA DEL CARIBE*, SECOND MARLIN CLASS SHIP August 29, 2015

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Tote Press Release:
TOTE launches second LNG powered containership, August 29, 2015 at General Dynamics NASSCO in San Diego.
Keel Laid for Crowley’s First LNG-Powered Ship

Crowley Maritime is talking up delivery of new equipment to the Port of Jacksonville, where the firm will base two liquefied natural gas-fueled ships to serve its Puerto Rico routes. The influx of new equipment includes "hundreds of chassis, ISO tanks and high-cube containers," the company says, "for use in the company’s services between the U.S., Puerto Rico, the Caribbean and Central America."

Crowley says it will add 6,000 total pieces of new equipment in 2015 to support its Florida-Puerto Rico trade out of Jacksonville.
IRVINE, CA, U.S.A.: WesPac Midstream LLC (WesPac), a leading provider of energy infrastructure and liquefied natural gas (LNG) solutions, and its affiliate Clean Marine Energy LLC (CME), the global facilitator of tailored solutions for Emission Control Area (ECA) compliance, announced today a construction contract with Conrad Orange Shipyard, Inc., a division of Conrad Shipyard, LLC, to build the first dedicated LNG bunker barge for the marine market in North America. This barge will be a critical supply chain component in ongoing efforts around the world to reduce the environmental impact of maritime activity through the conversion of ships to LNG.

The first 2,200 cubic meter (cbm) barge is expected to be delivered in early 2016 and planned to initially be deployed in Tacoma, Washington, to service ship owner Totem Ocean Trailer Express’s (Totem Ocean) “Orca class” RO/RO vessels, in addition to other LNG-powered vessels. Subsequently the barge will be relocated to Jacksonville, Florida to serve TOTE’s (parent company to Totem Ocean) new build “Marlin class” container vessels and other LNG-powered vessels in the Port of Jacksonville.
Crowley for Coke in the Caribbean
March 12, 2014 in LNG, Marine by Rich Piellisch

Two Bottling Plants to Get LNG from Florida
Crowley’s Carib Energy unit has disclosed a multi-year contract to supply containerized, U.S.-sourced liquefied natural gas to its first industrial customer, Coca-Cola in Puerto Rico. Crowley Carib will ship LNG from Jacksonville to Puerto Rico using 10,000 gallon intermodal ISO containers.
EAGLE LNG PROJECT

Preliminary Project Milestones

- Preliminary Filing Request Approved by FERC: December 3, 2014
- Submission of Draft RR1 and RR10: January 2, 2015
- FERC Public Scoping Meeting: March 12, 2015
- End of Scoping Period: April 24, 2015
- Eagle LNG Responses to Issues Raised During Scoping: May 8, 2015
- Submission of Draft RR11-12: May 26, 2015
- Submission of Formal Filing: Q4 2015
- Initiate construction pending FERC approval: Q2-Q3 2016
- Start-up/Commissioning: Q1-Q2 2018
THANK YOU FOR YOUR TIME!

www.jaxport.com