



# Northeast Gateway: Winter 2020/2021 Preparedness

Northeast Gas Association Pre-Winter Briefing  
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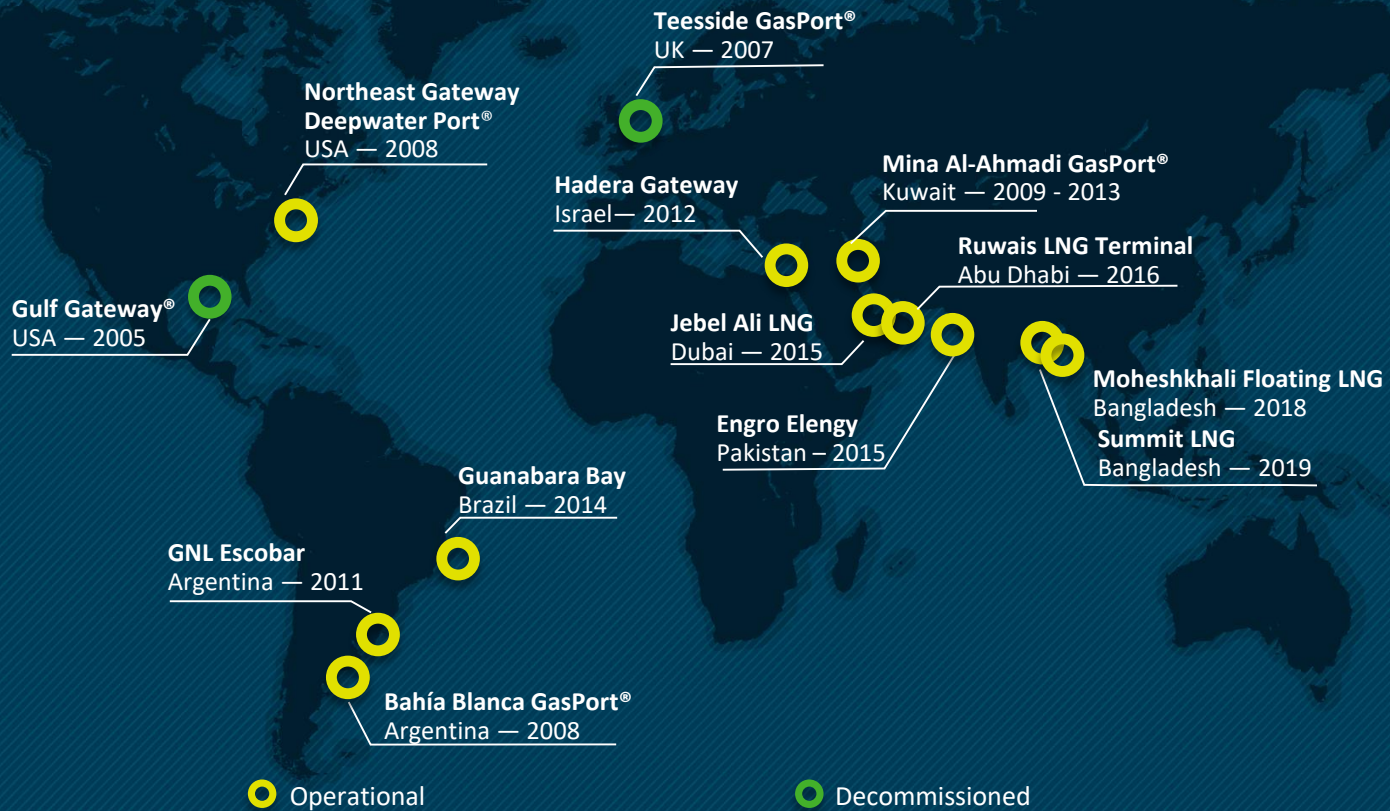


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# Excelerate Energy Overview

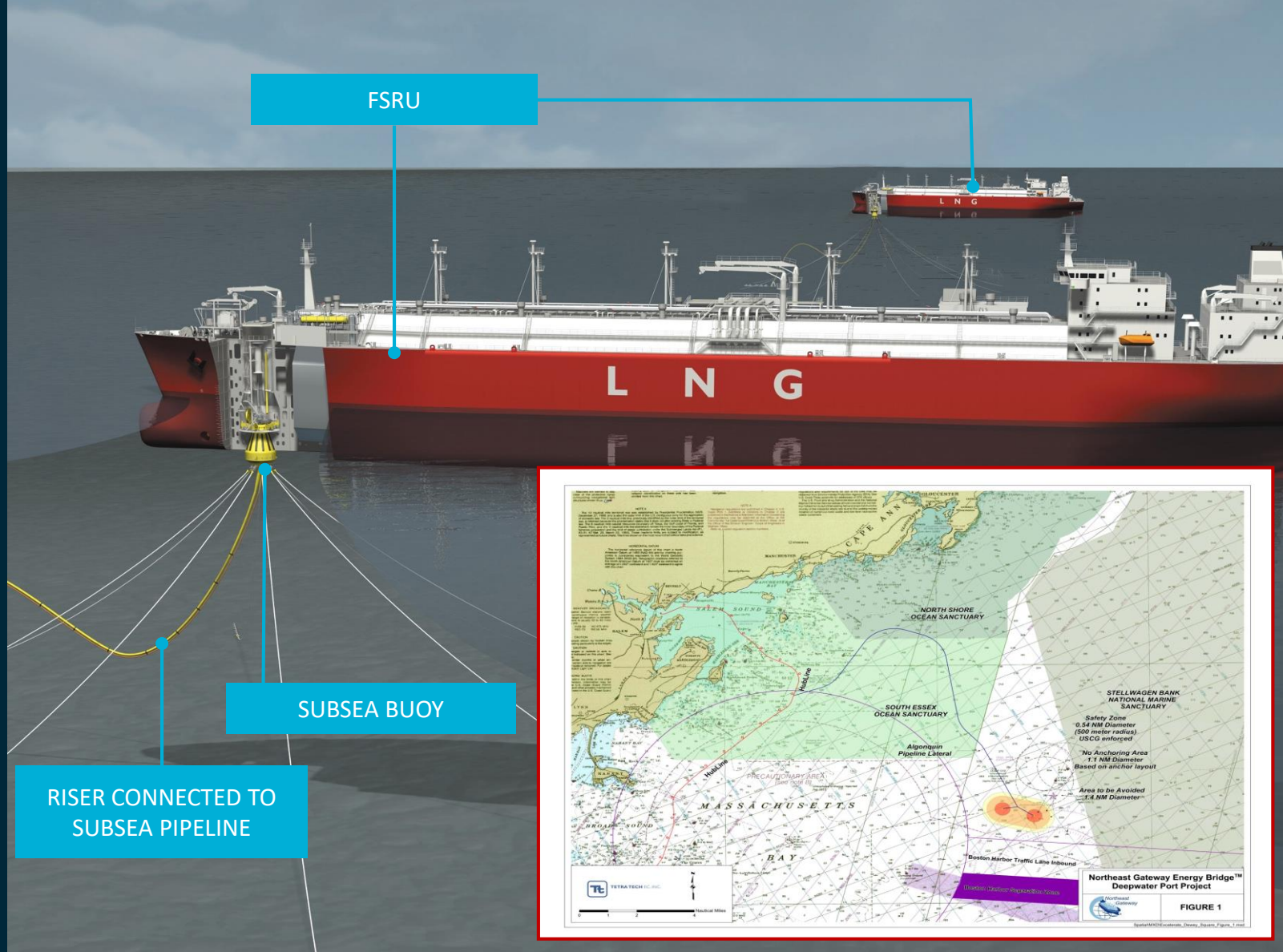


## Proven Experience

- The largest floating LNG solutions provider globally, operating a fleet of ten (10) floating storage and regasification units (FSRUs) and one (1) LNG carrier;
- A provider of a full range of solutions from FSRUs to fully integrated turnkey LNG terminals, including development, engineering, procurement, construction, installation, and operations;
- The industry leader in developing and advancing floating LNG regasification technologies and involved in developing 11 LNG import terminals;
- Combined peak regasification capacity of 7 Bcf per day
- > 99% facility uptime
- Eight (8) FSRUs under long term agreement worldwide
- Headquartered in The Woodlands, TX
- Regional Office in Salem, MA
- Privately owned by George B. Kaiser

# Northeast Gateway Overview

- Northeast Gateway (NEG) is a fully permitted, operational LNG terminal, located 13 miles from shore in Massachusetts Bay.
- The terminal is designed to receive Excelerate's FSRUs which have the onboard capability to vaporize LNG while being able to withstand the unique conditions of the North Atlantic.
- The two-buoy system is used as both the mooring mechanism for our FSRUs and as the conduit through which natural gas is delivered to the existing subsea HubLine pipeline operated by Enbridge's Algonquin Gas Transmission.
- Offshore terminals, like Northeast Gateway, are designed to minimize environmental impacts to the surrounding environment as they require minimal land use and can be situated away from congested areas like Boston.



FACILITY STORAGE	PEAK FSRU CAPACITY:	PEAK FACILITY CAPACITY:	HOURLY CAPACITY:	SENDOUT PRESSURE:
3.2 BCF per Ship (6.4 BCF Total)	Up to 500 MMcf/d (One FSRU)	800 MMcf/d (Two FSRUs)	>20 MMcf/h (One FSRU)	1,450 PSIG (max)



# NEG Maintenance & Preparation

- STL Buoys underwent their annual survey in August 2020
  - American Bureau of Shipping (ABS) certification confirm
- Fall 2019, dive team performed detailed NEG equipment inspection, cleaning and maintenance
- Excelerate Ships maintained to international shipping standards
  - Six (6) FSRUs are metered for Algonquin
  - Periodical dry docks on those ships
- Excelerate ships are now managed in-house
- Maintain Boston based offshore support vessel
  - Safety, security and monitoring through summer and winter ops



# Factors for LNG Coming to New England

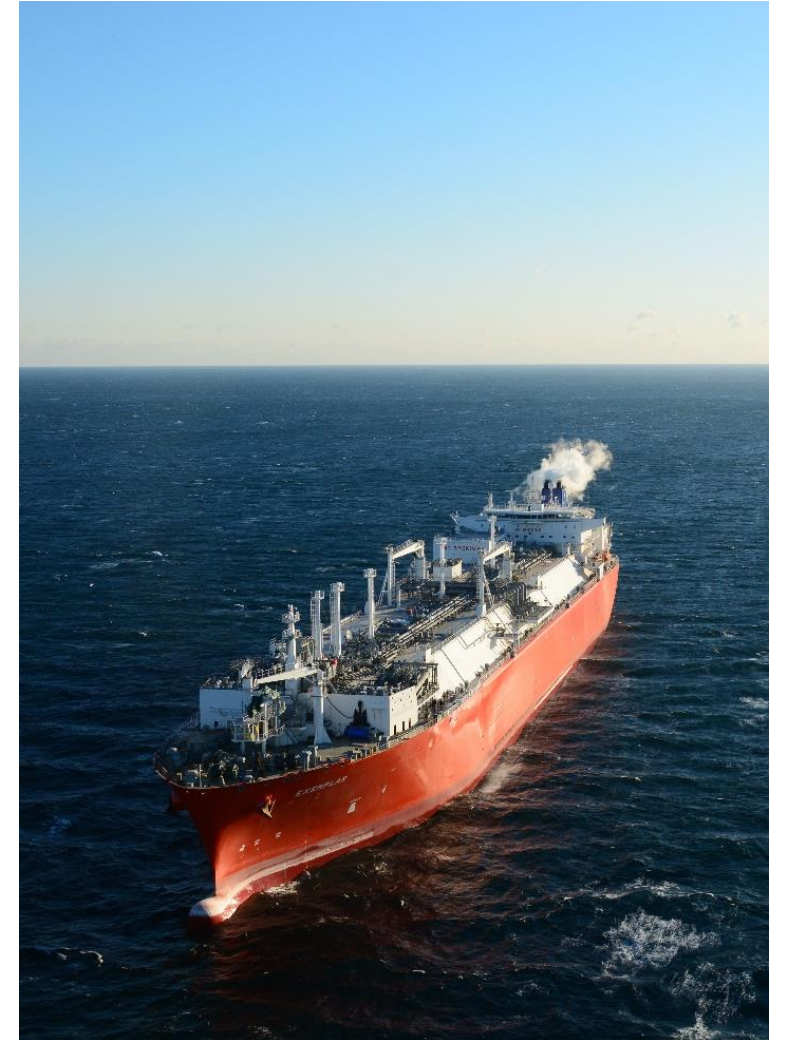
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## Long-Term Factors:

- Need adequate forward commitment
- Market to subscribe to peaking supply for high-demand period reliability
- Power market design to enable term supply contracts

## Short-Term Factors:

- Global LNG market
- Regional gas supply requirement
- Shipping Rates
- Other Project Developments



FSRU on NEG Buoy – Winter 2019



# Commercial & Operational Considerations

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- System resiliency is more important than ever as the region continues to depend more on gas.
- Even when decarbonization is the focus, natural gas and LNG will bring the **energy security** New England needs during the transition.
- Northeast Gateway & FSRUs are extremely reliable when on buoy...
- ...but not if they are not on buoy.
  - Contracting for LNG ensures it will be here when the region needs it



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