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[REDACTED]

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[REDACTED]

[REDACTED]

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**From:** Jason Lanclos <[Jason.Lanclos@LA.GOV](mailto:Jason.Lanclos@LA.GOV)>  
**Sent:** Thursday, March 23, 2023 8:05 AM  
**To:** Crabtree, Bradford <[bradford.crabtree@hq.doe.gov](mailto:bradford.crabtree@hq.doe.gov)>  
**Subject:** [EXTERNAL] FW: New Fortress Energy Background

Brad,

Please see the note below from a company we met with a few months back. Thanks and hope things are going well.

Jason



**M. Jason Lanclos, P.E.**  
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**From:** Pat Outtrim <[pat@outscanresources.com](mailto:pat@outscanresources.com)>  
**Sent:** Wednesday, March 22, 2023 10:30 AM  
**To:** Jason Lanclos <[Jason.Lanclos@LA.GOV](mailto:Jason.Lanclos@LA.GOV)>  
**Cc:** Dawn Maisel Cole <[dawn@fullcirclelouisiana.com](mailto:dawn@fullcirclelouisiana.com)>; James Outtrim <[James@outscanresources.com](mailto:James@outscanresources.com)>  
**Subject:** New Fortress Energy Background

Dear Jason,

Dawn Cole, James and I enjoyed meeting with you on February 16. As you requested, attached is background information on NFE and the permitting process.

As we outlined, the DOE authorization for Altamira is important for the progress of Louisiana FLNG as the delivery of the platforms to Altamira frees up the space for the construction of the platforms for Louisiana FLNG. Timing for Louisiana FLNG permits needs to be by as soon as possible as well to deliver the new platforms by years end to coincide with the current construction schedule.

Any assistance you can provide with Assistant Secretary Crabtree at DOE would be appreciated.

If you have any questions about the information, please feel free to call.

Again, Thank you for your time and consideration.

Patricia Outtrim  
832-428-5457



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# New Fortress Energy (NFE) FLNG Overview and Permitting History

**RE: DOE FTA/NFTA Permits for NFE's Altamira FLNG Project // FE Docket No. 22-110-LNG  
DOE FTA/NFTA Permits for NFE's Louisiana FLNG Project // FE Docket No. 22-39-LNG  
MARAD/USCG Deepwater Port Permit for NFE's Louisiana FLNG Project // DOT Docket No. MARAD-2022-0076  
Fighting Climate Change and Providing Energy Security for our Allies**

## **NFE Background - Concept**

New Fortress Energy, Inc. is a global energy company with multiple marine-based LNG projects under advanced development. The projects are fully funded, in the final phase of construction, and will be fueled by US sourced natural gas. Furthermore, the output is free to flow to areas of most need as they are not tied to long term LNG supply contracts.

NFE has developed the FLNG concept for natural gas liquefaction and export. The NFE concept is to modularize the liquefaction facility and put the equipment on three distinct platforms including:

- Utility platform which includes power generation, potable water supply, employee accommodations, etc.
- Gas treatment platform which includes gas inlet metering and removal of water, carbon dioxide and heavy hydrocarbons and impurities from the feed gas stream. Removal of those constituents that would freeze in the liquefaction process.
- Liquefaction platform which includes the liquefaction cold box and mixed refrigerant system. NFE has licensed the Chart IPSMR +/-MR compressors.

NFE has purchased the major equipment to build five (5) 1.4 MTPA trains. The five units are expected to be deployed as follows:

- 2 to liquefy US natural gas offshore Altamira Mexico
- 2 to liquefy US natural gas offshore Grand Isle, Louisiana
- 1 to liquefy natural gas from a stranded gas field in Lakach, Mexico.

The first train began construction in 2022 in the Kiewit fabrication yard in Corpus Christi, Texas. The expected completion date for this train is April 2023. In essence, NFE has developed a factory to produce LNG trains that is faster and less expensive than traditional LNG facilities. Engineering the design once and modularizing the equipment in the fabrication yard for ultimate placement on repurposed offshore oil/gas rigs reduces costs and time to complete a liquefaction train.

## **Permitting**

### ***Altamira FLNG***

The Altamira FLNG facility began environmental permitting in September, 2022 with the export application for Free Trade Agreement (FTA) and non FTA countries submitted to Department of Energy (DOE) September 9, 2022. (FE Docket No. 22-110-LNG) The permitting process includes environmental and construction/operation permits from Mexico and a US federal authorization for exporting the natural gas from the DOE. The Environmental Impact for the pipeline has been completed and all Mexican permits (some 40) are expected by the first half of 2023.

The project needs the final FTA and Non FTA permit as soon as possible from DOE to proceed with this installation in Mexico.

## *Louisiana FLNG*

The Louisiana FLNG facility began permitting in March, 2022 under the Deepwater Port Act authorization for deepwater ports. The lead permitting agencies are the Maritime Administration (MARAD) and the US Coast Guard (USCG) for design, construction and operation (DOT Docket No. MARAD-2022-0076) and DOE for the export license (FE Docket No. 22-39-LNG). Applications were filed with these agencies on March 30, 2022.

MARAD/USCG with the assistance of an applicant funded third party environmental firm, develop a single Environmental Impact Statement (EIS) for the project which all the federal agencies then use. Therefore, the federal agencies must consult with MARAD/USCG to present their questions/concerns on the project and to have their various requirements reflected in the EIS. The other major permit, the air permit, is provided under the Environmental Protection Agency (EPA). There are numerous additional environmental consultations and permits through federal and state agencies.

The deepwater port permit has a statutorily identified process that includes strict schedule requirements. The authorization is to be completed within 356 days of application. The regulation provides for the agencies to extend this permitting period by calling a “stop clock” if they require additional time. NFE has been very diligent in providing a complete application and answering questions within two weeks of receipt of those questions. However, there have been two stop clocks on this project thus far.

The project needs the MARAD/USCG Deepwater Port authorization including the EIS at the earliest possible. The DOE authorization utilizes the EIS and generally is issued shortly after the EIS and order are complete.