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U.S. Department of Energy (FE-34)
Office of Fossil Energy and Carbon Management
Office of Natural Gas Regulatory Activities
Attn: Natural Gas Reports
P.O. Box 44375
Washington, D.C. 20026-4375

Re: Lake Charles LNG Export Company, LLC
FE Docket No. 13-04-LNG
DOE/FE Order Nos. 3252 and 3868
Lake Charles LNG Terminal
Semi-Annual Report

To: Office of Natural Gas Regulatory Activities

In accordance with the conditions of DOE/FE Order Nos. 3252 and 3868 issued March 7, 2013 and July 29, 2016, respectively, Lake Charles LNG Export Company, LLC submits the semi-annual report as required by ordering paragraphs I and O, respectively, describing the progress of the proposed liquefaction facility project at the Lake Charles Terminal, for the reporting period **October 1, 2022 through March 31, 2023**.

Any questions concerning this filing should be addressed to the undersigned at (713) 989-2605.

Respectfully,

LAKE CHARLES LNG EXPORT COMPANY, LLC

/s/ Blair Lichtenwalter

Blair Lichtenwalter
Senior Director, Regulatory

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Regulatory

Lake Charles LNG Export Company, LLC (“LCLNG”), formerly known as Trunkline LNG Export, LLC (“TLNG Export”), filed its Application with the Federal Energy Regulatory Commission (“FERC”) on March 25, 2014, for the LNG terminal facilities and the docket number assigned is CP14-120-000. On September 16, 2020, LCLNG submitted its Notification of Abandonment of its NGA Section 7 Facilities/Certificate Authorizations to FERC, under CP14-120, et. al., effective August 21, 2020.

Regulatory activities since the last report are as follows:

On October 18, 2022; LCLNG submitted Monthly Status Report No. 79 to FERC under Docket No. CP14-120.

On October 19, 2022; LCLNG submitted USFWS Concurrence (MBTA) to FERC under Docket No. CP14-120.

On November 10, 2022; LCLNG submitted Monthly Status Report No. 80 to FERC under Docket No. CP14-120.

On December 16, 2022; LCLNG submitted Monthly Status Report No. 81 to FERC under Docket No. CP14-120.

On December 16, 2022; LCLNG submitted its Request for Written Authorization for Enabling Projects to FERC under Docket No. CP14-120.

On December 19, 2022; LCLNG submitted its Request for Written Authorization for the Alcoa Pipeline Relocation to FERC under Docket No. CP14-120.

On January 11, 2023; LCLNG submitted Monthly Status Report No. 82 to FERC under Docket No. CP14-120.

On January 18, 2023; LCLNG submitted its Response to Informal Environmental Information Request issued January 5, 2023 (Alcoa Pipeline Relocation) to FERC under Docket No. CP14-120.

On January 20, 2023; LCLNG submitted its Response to Informal Environmental Information Request issued January 19, 2023 (Alcoa Pipeline Relocation) to FERC under Docket No. CP14-120.

On February 1, 2023; LCLNG submitted its Response to Informal Data Request issued January 23, 2023 (Alcoa Pipeline Relocation) to FERC under Docket No. CP14-120.

On February 2, 2023; LCLNG submitted its Response to Informal Data Request issued February 1, 2023 (Alcoa Pipeline Relocation) to FERC under Docket No. CP14-120.

On February 10, 2023; LCLNG submitted Monthly Status Report No. 83 to FERC under Docket No. CP14-120.

On March 10, 2023; LCLNG submitted Monthly Status Report No. 84 to FERC under Docket No. CP14-120.

On March 24, 2023; LCLNG submitted its Response to Informal Data Request issued February 28, 2023 (re LCLNG/FERC Staff Project discussion on November 30, 2022) to FERC under Docket No. CP14-120.

Pursuant to Environmental Condition No. 9, Appendix B of the FERC Order issued December 17, 2015, for the Liquefaction Project, LCLNG continues to file the required Monthly Status Reports under Docket No. CP14-120-000.

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Engineering

In 2017, LCLNG completed a front end engineering and design ("FEED") study. In April 2019, LCLNG engaged various companies to conduct a FEED verification as well as submit bids for the engineering, procurement and construction ("EPC") related to the Project. In April 2020, LCLNG received bids for the EPC contract related to the Project. These EPC bids were evaluated; however, due to the onset of the COVID pandemic, the EPC contract was not finalized with any of the bidding parties.

LCLNG has since reengaged EPC contractors to conduct additional engineering work in connection with identified design enhancement opportunities as well as to prepare an updated EPC contract bid. The bid refresh process is in progress and the updated EPC bids are expected to be received in the next several months followed by selection of the EPC contractor. Maintenance clearing of the greenfield site to support the Enabling Projects was performed in February 2023.

The Project continues to evaluate pandemic driven schedule impacts including equipment availability, supply chain constraints, and labor availability.

LCLNG completed the facility Waterway Suitability Assessment ("WSA") workshop in accordance with NVIC 01-2011 on July 13, 2022. On September 1, 2022, LCLNG submitted the Letter of Intent ("LOI") and the WSA to the U.S. Coast Guard ("USCG") for review and approval to increase the number of authorized vessels from 225 to 300 in order to allow the project to operate at full capacity. The current authorization of 225 vessels per year would require that vessels average about 174,000 m³ capacity, among the largest in the LNG fleet, to deliver the 16.45 MTPA certificated capacity. Increasing the number of authorized vessels will allow a wider range of vessel sizes from the LNG fleet to deliver the full capacity of the facility. This increase will not result in increasing the annual production of the terminal. LCLNG's request to the USCG requires no change to the currently proposed facility modifications or the certificated capacity, all previously authorized in the FERC Order (153 FERC ¶ 61,300) issued December 17, 2015. On February 3, 2023, USCG issued its updated Letter of Recommendation (LOR) pursuant to 33 CFR 127.009, and recommends that the Calcasieu River Ship Channel be considered suitable for accommodating the type and frequency of LNG marine traffic associated with this project.

The Project remains an active, fully supported project.

Environmental

LCLNG received its approval for the *Categorical Clearance Agreement for Routine Construction and Maintenance Activities* from the Louisiana SHPO, issued January 10, 2023, which remains in effect until December 31, 2025.

On January 11, 2023, USFWS concurred with self-certification, provided their November 27, 2012, MBTA recommendations are followed. No Effect determination confirmed by the USFWS for minor modification (relocation of ALCOA pipeline), on January 11, 2023.

On February 2, 2023, LCLNG received its Use and Occupancy Permit for ALCOA Pipeline Relocation, from the Consolidated Gravity Drainage District No. Two of East Calcasieu Parish.

LCLNG submitted a Notice of Intent (NOI) to the LDEQ on February 10, 2023, which went into effect 48 hours after submittal.

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LCLNG submitted a minor modification application to the LDEQ on February 24, 2023, to address design updates from EPC Contractor. This application is pending at the LDEQ.

Status of Long-Term Contracts Associated with the Facility

LCLNG owns, leases, or has option agreements in place for the purchase/lease of all property necessary for the Liquefaction Project. Definitive agreements to implement the Liquefaction Project, and pipeline transportation services to supply natural gas to the Liquefaction Project, remain under development.

On March 29, 2022, LCLNG's parent company Energy Transfer LP ("ET"), and ENN Natural Gas ("ENN NG") and ENN Energy Holdings Limited ("ENN Energy") announced that ENN NG and ENN Energy have entered into two (2) 20-year LNG Sale and Purchase Agreements. On April 25, 2022, Energy Transfer LNG Export, LLC ("Energy Transfer LNG") filed copies of these agreement with DOE/FE under seal, and a public summary of the major provisions of these agreements. The Press Release is available from the website link below:

- <https://www.businesswire.com/news/home/20220328005955/en/>

On May 2, 2022, LCLNG's parent company ET and Gunvor Group Ltd announced that Gunvor Singapore Pte Ltd ("Gunvor") and Energy Transfer LNG have entered into a 20-year LNG Sale and Purchase Agreement. On May 19, 2022, Energy Transfer LNG filed a copy of this agreement with DOE/FE under seal, and a public summary of the major provisions of this agreement. The Press Release is available from the website link below:

- <https://www.businesswire.com/news/home/20220502005601/en/>

On May 3, 2022, LCLNG's parent company ET, and SK Gas Trading LLC ("SK Gas") announced that Energy Transfer LNG and SK Gas have entered into a 18-year LNG Sale and Purchase Agreement. On May 19, 2022, Energy Transfer LNG filed a copy of this agreement with DOE/FE under seal, and a public summary of the major provisions of this agreement. The Press Release is available from the website link below:

- <https://www.businesswire.com/news/home/20220503005981/en/>

On June 5, 2022, LCLNG's parent company ET and China Gas Holdings Limited ("China Gas") announced that China Gas Hongda Energy Trading Co., LTD, a subsidiary of China Gas, and Energy Transfer LNG have entered into a 25-year LNG Sale and Purchase Agreement. On June 30, 2022, Energy Transfer LNG filed a copy of this agreement with DOE/FE under seal, and a public summary of the major provisions of this agreement. The Press Release is available from the website link below:

- <https://www.businesswire.com/news/home/20220603005512/en/>

On August 24, 2022, LCLNG's parent company ET and Shell NA LNG LLC ("Shell") announced that Shell and Energy Transfer LNG have entered into a 20-year LNG Sale and Purchase Agreement. On September 19, 2022, Energy Transfer LNG filed a copy of this agreement with DOE/FE under seal, and a public summary of the major provisions of this agreement. The Press Release is available from the website link below:

- <https://www.businesswire.com/news/home/20220824005720/en/>

The Project remains an active project, fully supported by ET.

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Date Facility is Expected to Be Operational

Commensurate with the construction schedule proposed by the EPC bidding parties in 2020, the 1st Train is anticipated to be operational approximately 48 months from the beginning of construction, and Trains 2 and 3 are scheduled for completion in 6 month increments after the 1st Train.

On August 30, 2019, a *Request for Extension of Time* (Accession No. 20190830-5193) was submitted to the FERC, requesting an extension of deadlines to December 2025 for the completion of the construction of the LNG export terminal facilities and related pipeline facilities, all as more fully set forth in the FERC filing. On December 6, 2019 FERC issued a Letter Order granting LCLNG's August 30, 2019 *Request for Extension of Time* to December 16, 2025 (Accession No. 20191205-3025).

On March 4, 2020, Lake Charles Exports, LLC submitted its Amendment to Authorizations for Long-Term Authorization to Export Liquefied Natural Gas to Free Trade Agreement and Non-Free Trade Agreement Countries to the DOE, under Docket Nos. 11-59-LNG and 16-110-LNG.

On March 4, 2020, Lake Charles LNG Export Company, LLC submitted its Amendment to Authorizations for Long-Term Authorization to Export Liquefied Natural Gas to Free Trade Agreement and Non-Free Trade Agreement Countries to the DOE, under Docket Nos. 13-04-LNG and 16-109-LNG.

On October 6, 2020, DOE/FE issued Order Nos. 2987-A, 3324-B, and 4011-A (11-59-LNG/16-110-LNG), and Order Nos. 3252-B, 3868-A, and 4010-A (13-04-LNG/16-109-LNG), granting the Lake Charles LNG Export and LCE applications for the extension of the timelines for export to be consistent with the FERC certificate timeline of December 16, 2025.

LCLNG submitted its request for an eighteen (18) month extension to commence construction to the LDEQ on February 18, 2022, and the *Extension of Deadline to Commence Construction* to September 3, 2023, was issued by the LDEQ on March 4, 2022.

On February 3, 2022, LCLNG filed a request with FERC for a three-year extension of time, until December 16, 2028, to complete construction of the project facilities. On May 6, 2022, FERC issued an order granting the requested extension of time. *See Lake Charles LNG Company, LLC, et al.*, 179 FERC ¶ 61,086 (2022). On June 21, 2022, LCLNG submitted an application requesting that DOE/FE issue an order amending the existing Non-FTA commencement of operations deadlines to December 16, 2028 to align with the FERC extension of time. This application is pending at DOE/FE.

On May 24, 2022, LCLNG filed an application requesting that DOE/FE grant an extension to the currently authorized export term of each of the authorizations through December 31, 2050, consistent with the Final Policy Statement Extending Natural Gas Export Authorizations to Non-Free Trade Agreement Countries Through the Year 2050. This application is pending at DOE/FE.

On June 14, 2022, LCLNG filed agent registration information with DOE/FE for Energy Transfer LNG.

LCLNG confirms that the Project area has not experienced any significant changes and the environmental and other public interest findings underlying the FERC's authorizations for the Project remain valid.