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October 8, 2021

By Electronic Mail

U.S. Department of Energy
Office of Fossil Energy
Office of Oil and Gas Global Security and Supply
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Washington, D.C. 20026-4375

RE: G2 Net-Zero LNG LLC, FE Docket No. 15-44-LNG, Order No. 3682, Order Condition J — Semi-Annual Progress Report

To: Office of Oil and Gas Global Security and Supply

Pursuant to paragraph J of Order No. 3682, G2 Net-Zero LNG LLC ("G2 LNG") submits this semi-annual report describing the progress of the natural gas liquefaction facilities being developed by G2 LNG in Cameron County, Louisiana ("Project").

On March 19, 2015, G2 LNG filed its application for authorization to export LNG for a 30-year term to any country with which the United States currently has, or in the future will have, a free trade agreement requiring national treatment for trade in natural gas, and with which trade is not prohibited by U.S. law or policy. The U.S. Department of Energy issued Order No. 3682 on July 17, 2015, authorizing G2 LNG to export approximately 672 Bcf/year of natural gas for a 30-year term, beginning on the earlier of the date of first export or 10 years from the date the authorization is issued (July 17, 2025).

This report constitutes G2 LNG's twelfth semi-annual progress report under Order No. 3682. G2 LNG last submitted a report on March 11, 2021.

Recent Developments

Since filing its previous progress report six months ago, G2 LNG has continued to develop the Project. Specifically, G2 LNG continues to pursue a strategy that is designed to be responsive to changing market conditions and to accommodate variability in the global demand for LNG and net-zero industrial gases and the ever-present imperative of climate change mitigation. To ensure it is able to achieve that objective, G2 LNG has continued to work to bring in new technology and engineering service providers, strategic partners and investors that have access to growing markets.

At the appropriate time, G2 LNG will file with the Office of Oil and Gas Security and Supply non-redacted copies of all long-term contracts it executes for the long-term export of LNG from the Project, in accordance with paragraph D(i) of Order No. 3682.

While most of its activity has been behind the scenes over the last six months, G2 LNG continues to make significant investments in and maintain its commitment to the Project.

G2 LNG believes that the foregoing summary provides the detail required under paragraph J of Order 3682 regarding the Project status. However, please contact the undersigned if any additional information is needed at this time.

Sincerely,

Erica Rancilio

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On Behalf of G2 Net-Zero LNG LLC