



**VERIFICATION OPINION DECLARATION  
GREENHOUSE GAS EMISSIONS**

To: The Stakeholders of Freeport LNG

Apex Companies, LLC (Apex) was engaged to conduct an independent verification of the greenhouse gas (GHG) emissions reported by Freeport LNG for the period stated below. This verification declaration applies to the related information included within the scope of work described below.

The determination of the GHG emissions is the sole responsibility of Freeport LNG. Freeport LNG is responsible for the preparation and fair presentation of the GHG emissions statement in accordance with the criteria. Apex's sole responsibility was to provide independent verification on the accuracy of the GHG emissions reported, and on the underlying systems and processes used to collect, analyze and review the information. Apex is responsible for expressing an opinion on the GHG emissions statement based on the verification. Verification activities applied in a limited level of assurance verification are less extensive in nature, timing and extent than in a reasonable level of assurance verification.

**Boundaries of the reporting company GHG emissions covered by the verification:**

- Operational Control
- Stratton Ridge Meter Station (SRMS), Stratton Ridge Underground Storage Site (UGS), Pretreatment Facility (PTF), Liquefaction Facility (LQF) and Quintana Terminal Operations, and associated pipelines

Total GHG Emissions Statement		
HHV Energy Content of Gas	22.6	MMBtu/m3
Total GHG Emissions	3,090,066	tonnes CO <sub>2e</sub>
CO <sub>2e</sub> Intensity	4.33E-03	tonnes CO <sub>2e</sub> /MMBtu
CH <sub>4</sub> Intensity	4.95E-07	tonnes CH <sub>4</sub> /MMBtu
Greenhouse Gases Included in the CO <sub>2e</sub> Value	CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O	
Greenhouse Gases Included in the Total CO <sub>2e</sub> Emissions	CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O	
Stage Based GHG Data		
Exported Energy Content	713,024,553	MMBtu/m3
Stage Energy Shrinkage	0.998	mmBtu gas input/mmBtu LNG output
Stage Specific CO <sub>2e</sub> Emissions	3,090,066	tonnes CO <sub>2e</sub>
Stage Specific CO <sub>2e</sub> Intensity	4.33E-03	tonnes CO <sub>2e</sub> /MMBtu
Stage Specific CH <sub>4</sub> Emissions	353	tonnes CH <sub>4</sub>
Stage Specific CH <sub>4</sub> Intensity	4.95E-07	tonnes CH <sub>4</sub> /MMBtu

Data and information supporting the GHG emissions statement were historical in nature.



**Period covered by GHG emissions verification:**

- January 1, 2021 to December 31, 2021

**Reporting criteria against which verification conducted:**

- World Resources Institute (WRI)/World Business Council for Sustainable Development (WBCSD) Greenhouse Gas (GHG) Protocol Corporate Accounting and Reporting Standard (Scope 1 and 2)
- United States Environmental Protection Agency (USEPA) Mandatory Reporting Rule (40 CFR Part 98)
- American Petroleum Institute (API), Compendium of Greenhouse Gas (GHG) Emissions Methodologies for the Natural Gas and Oil Industry

**Reference Standard:**

- ISO 14064-3: Greenhouse gases -- Part 3: Specification with guidance for the validation and verification of greenhouse gas statements

**Level of Assurance and Qualifications:**

- Limited
- This verification used a materiality threshold of  $\pm 5\%$  for aggregate errors in sampled data for each of the above indicators

**GHG Verification Methodology:**

Evidence-gathering procedures included but were not limited to:

- Interviews with relevant personnel of Freeport LNG;
- Review of documentary evidence produced by Freeport LNG;
- Review of Freeport LNG data and information systems and methodology for collection, aggregation, analysis and review of information used to determine GHG emissions; and
- Audit of sample of data used by Freeport LNG to determine GHG emissions.

**Verification Opinion:**

Based on the process and procedures conducted, there is no evidence that the GHG emissions statement shown above:

- is not materially correct and is not a fair representation of the GHG emissions data and information; and
- has not been prepared in accordance with the WRI/WBCSD GHG Protocol Corporate Accounting and Reporting Standard, USEPA Mandatory Reporting Rule, and API Compendium of GHG Emissions Methodologies.

It is our opinion that Freeport LNG has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of these GHG emissions for the stated period and boundaries.

**Statement of independence, impartiality and competence**

Apex is an independent professional services company that specializes in Health, Safety, Social and Environmental management services including assurance with over 30 years history in providing these services.

No member of the verification team has a business relationship with Freeport LNG, its Directors or Managers beyond that required of this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest.



Apex has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

The verification team has extensive experience in conducting assurance over environmental, social, ethical and health and safety information, systems and processes, has over 20 years combined experience in this field and an excellent understanding of Apex's standard methodology for the verification of greenhouse gas emissions data.

**Attestation:**

A handwritten signature in blue ink, appearing to read 'Trevor Donaghu', written over a horizontal line.

Trevor Donaghu, Lead Verifier  
Program Manager  
Apex Companies, LLC

A handwritten signature in blue ink, appearing to read 'David Reilly', written over a horizontal line.

David Reilly, Technical Reviewer  
Senior Project Manager  
Apex Companies, LLC

December 2, 2022

*This verification opinion declaration, including the opinion expressed herein, is provided to Freeport LNG and is solely for the benefit of Freeport LNG in accordance with the terms of our agreement. We consent to the release of this opinion declaration by you to the public or other organizations but without accepting or assuming any responsibility or liability on our part to CDP or to any other party who may have access to this opinion declaration.*