

# Member Update

No. 02 of 23 • 6th February 2023

*TOPIC: Australia's Grain Supply Chain - Understanding Greenhouse Gas Emissions and the GTA LD Table of GGE Carbon Quantity Values.*

*DISTRIBUTION: GTA Members – primary contact list. Please circulate to all appropriate internal parties.*

## 1. Purpose

1. The purpose of this Member Update is to provide GTA members further support and materials to assist in understanding the relevance of Greenhouse Gas Emissions (GGE)
2. Provide GGE transport data relating to the Australian grain supply chain.

## 2. Information Summary

- The following documents and information are provided in this GTA Member Update:
  1. [GTA LD Table of GGE carbon quantity values](#)
  2. [Silo to Port Emissions – Rational for Monitoring Greenhouse Gas Emissions \(GGE\)](#)
  3. [Silo to Port Emissions – Methodology for Estimating Carbon Emissions](#)
- This material is in addition to the publication of [Australia's Grain Supply Chain and its Environmental Social & Governance credentials](#) in [GTA Member Update 35 of 22](#)

## 3. Background

- GTA recognises sustainability is an important issue for industry and GTA members.
- GTA is aware many members are establishing sustainability programs according to their particular business positions and commercial circumstances.
- The sustainability objectives of individual companies in the grain supply chain whilst varied, support an efficient, health focussed and safe global grain trade that improves the world's food security.
- To support members in approaching sustainability, GTA has previously provided:
  1. [TGD 22. Sustainability Program Principles & Guidelines](#) and
  2. [Australia's Grain Supply Chain and its Environmental Social & Governance credentials](#) publication

#### 4. GGE Calculator for Grain Transport

- GTA is now releasing a [GGE calculator for grain transport](#), based on the GTA Location Differentials (LDs) for the estimation of rail & road transport carbon emissions.
- The objective is to quantify the carbon quantity based on GTA LDs (as a freight proxy) and provide an industry benchmark.
- Additional support material is provided to assist with understanding the GGE model and the rationale for monitoring emissions.
  1. [GTA LD Table of GGE carbon quantity values](#).
  2. [Silo to Port Emissions – Rational for Monitoring Emissions](#). This has been developed to explain:
    1. Why measure GGE,
    2. What to measure, and
    3. The associated level/value of measuring GGE.
  3. [Silo to Port Emissions – Methodology for Estimating Carbon Emissions](#) This document explains the methodology used to develop the **GTA GGE Calculator** for grain transport, based on the GTA Location Differentials (LDs) for the estimation of rail & road transport carbon emissions.
- These Information Papers and the GTA LD Table of GGE are principally intended to support industry participants understand some of the components of ESG and to provide guidance and material that may assist to establish individual company sustainability programs according to their particular business positions and commercial circumstances.

#### 5. Further Information

For further information about this GTA ESG material please contact GTA at [Admin@graintrade.org.au](mailto:Admin@graintrade.org.au)