



LRQA Independent Assurance Statement

Relating to GPI's Assertion for the Calendar Year 2021

This Assurance Statement has been prepared for Graphic Packaging International, LLC (GPI) in accordance with our contract.

Terms of Engagement

LRQA was commissioned by Graphic Packaging International, LLC (GPI) to provide independent assurance of its greenhouse gas (GHG) emissions, electricity consumption, and water usage ("the Inventory") for the 2021 calendar year against the assurance criteria below to a limited level of assurance and materiality of the professional judgement of the verifier using LRQA's verification procedure and ISO 14064 - Part 3 for greenhouse gas emissions. LRQA's verification procedure is based on current best practise and is in accordance with ISAE 3000 and ISAE 3410.

Our assurance engagement covered GPI's global operations and activities under its operational control and specifically the following requirements:

- Verifying conformance with:
 - GPI's reporting methodologies for the selected datasets.
 - World Resources Institute / World Business Council for Sustainable Development Greenhouse Gas Protocol: A corporate accounting and reporting standard, revised edition (otherwise referred to as the WRI/WBCSD GHG Protocol) for the GHG data¹.
- Evaluating the accuracy and reliability of data and information for only the selected indicators listed below:
 - Direct (Scope 1), Energy Indirect (Scope 2) and Other Indirect (Scope 3) GHG emissions:
 - Scope 3 GHG emissions verified by LRQA were Category 1: Purchased Goods & Services, Category 3: Fuel and Energy Related Activities, Category 4: Upstream Transportation & Distribution, Category 5: Waste Generated in Operations, Category 6: Business Travel, and Category 7: Employee Commuting.
 - Electricity Use; and
 - Water Withdrawal and Discharge.

GPI's Inventory excludes the following GHG emissions sources: mobile emissions from company cars and rail, fugitive emissions from on-site landfills and on-site wastewater treatment, perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆); and Process emissions.

LRQA's responsibility is only to GPI. LRQA disclaims any liability or responsibility to others as explained in the end footnote. GPI's responsibility is for collecting, aggregating, analysing and presenting all the data and information within the Inventory and for maintaining effective internal controls over the systems from which the Inventory is derived. Ultimately, the Inventory has been approved by, and remains the responsibility of GPI.

¹ <http://www.ghgprotocol.org/>



LRQA’s Opinion

Based on LRQA’s approach, nothing has come to our attention that would cause us to believe that GPI has not, in all material respects:

- Met the requirements of the criteria listed above; and
- Disclosed accurate and reliable performance data and information as summarized in Table 1 below.

The opinion expressed is formed on the basis of a limited level of assurance² and at the materiality of the professional judgement of the verifier.

Table 1. Summary of GPI’s Key Data for CY2021:

Scope	Category	Quantity	Unit
Scope 1 Emissions	Direct	1,405,596	MT CO ₂ e
Scope 2 Emissions	Location-Based ¹	645,312	MT CO ₂ e
	Market-Based ¹	735,014	MT CO ₂ e
Biogenic Emissions	Direct Biogenic carbon dioxide (CO ₂)	5,735,235	MT CO ₂
Scope 3 Emissions	Category 1: Purchased Goods & Services ²	2,157,893	MT CO ₂ e
	Category 3: Fuel & Energy-Related Activities	492,281	MT CO ₂ e
	Category 4: Upstream Transportation & Distribution ²	313,713	MT CO ₂ e
	Category 5: Waste Generated in Operations	708,796	MT CO ₂ e
	Category 6: Business Travel ²	2,456	MT CO ₂ e
	Category 7: Employee Commuting	30,339	MT CO ₂ e
Other Data	Electricity Used ³	3,504,876	MWh
	Water Withdrawn	39,429,987	kgal
	Wastewater Discharged	35,821,863	kgal
<p>Note 1: Scope 2, Location-based and Scope 2 Market-based are defined in the WRI/WBCSD GHG Protocol, 2015</p> <p>Note 2: These categories of Scope 3 emissions were calculated in the GHG Protocol/Quantis Scope 3 evaluator tool using spend-based emission factors and has high levels of uncertainty.</p> <p>Note 3: Electricity Used consists of Renewable and Non-Renewable Purchased Electricity and Self-Generated Electricity.</p>			

² The extent of evidence-gathering for a limited assurance engagement is less than for a reasonable assurance engagement. Limited assurance engagements focus on aggregated data rather than physically checking source data at sites. Consequently, the level of assurance obtained in a limited assurance engagement is lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.



LRQA's Approach

LRQA's assurance engagements are carried out in accordance with our verification procedure. The following tasks were undertaken as part of the evidence gathering process for this assurance engagement:

- interviewing relevant employees of the organization responsible for managing GHG emissions data and records;
- reviewing processes related to the control of GHG emissions data and records;
- assessing GPI's data management systems to confirm they are designed to prevent significant errors, omissions or mis-statements in the Inventory by reviewing the effectiveness of data handling procedures, instructions and systems, including those for internal quality control; and
- verifying historical GHG emissions, energy and water data & records at an aggregated level for the calendar year 2021.

LRQA's Standards, Competence, and Independence

LRQA implements and maintains a comprehensive management system that meets accreditation requirements for ISO 14065 *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition* and ISO/IEC 17021 *Conformity assessment – Requirements for bodies providing audit and certification of management systems* that are at least as demanding as the requirements of the International Standard on Quality Control 1 and comply with the *Code of Ethics for Professional Accountants* issued by the International Ethics Standards Board for Accountants.

LRQA ensures the selection of appropriately qualified individuals based on their qualifications, training and experience. The outcome of all verification and certification assessments is then internally reviewed by senior management to ensure that the approach applied is rigorous and transparent.

Signed

Dated: 23 September 2022

Kate Pagan

Kate Pagan

LRQA Lead Verifier

On behalf of LRQA Inc. 1330 Enclave Pkwy #200, Houston, TX 77077

LRQA reference: UQA00001505 / 5121220

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The English version of this Assurance Statement is the only valid version. LRQA assumes no responsibility for versions translated into other languages.

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