

Ecovyst Inc. 2022 Sustainability Verification Statement

Ecovyst Inc. (“Ecovyst”) engaged AET Group Inc. (“AET”) to conduct an independent third-party verification with a limited level of assurance on Ecovyst’s sustainability performance data according to the requirements of the WBCSD/WRI Greenhouse Gas Protocol Corporate Accounting and Reporting Standard, Revised Edition (2004) (“GHG Protocol”) for the 2022 calendar year (CY2022) from 1 January 2022 to 31 December 2022.



Verification Details

The following information was reported in Ecovyst’s 2022 Corporate Summary:

- Scope 1 GHG emissions
- Scope 2 GHG emissions (location-based approach)
- Hazardous waste disposal
- Non-hazardous waste disposal
- Water withdrawal

The organizational boundary of the verification was Ecovyst’s global portfolio of facilities, including operating headquarters; manufacturing, administrative, research and development, office, warehouse, and testing facilities.

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Data Metric	Reported Total
Scope 1 GHG emissions	601,880 metric tons CO ₂ e
Scope 2 GHG emissions	55,807 metric tons CO ₂ e
Hazardous waste disposed	2,121 metric tons
Non-hazardous waste disposed	24,541 metric tons
Water withdrawal	11,768,375 m ³

Verification Standard

This verification was conducted in accordance with ISO 14064-3:2019, “Greenhouse gases – Specification with guidance for the verification and validation of greenhouse gas statements”.

Verification Objectives

The objective of the verification was to provide Ecovyst with a limited level of assurance opinion and to:

- Ensure that the sustainability performance data was true and correct over the CY2022 time period; and

- Ensure that sustainability performance data had been prepared in accordance to the WBCSD/WRI Greenhouse Gas Protocol Corporate Accounting and Reporting Standard, Revised Edition (2004).



Verification Scope

Operational Boundary: The scope of the current verification process, as discussed with Ecovyst prior to the commencement of the verification activities is summarized below:

- Scope 1 GHG emissions
- Scope 2 GHG emissions (location-based approach)
- Hazardous waste disposal
- Non-hazardous waste disposal
- Water withdrawal

Organizational Boundary: The organizational boundary of the verification was Ecovyst’s global portfolio of facilities, including operating headquarters; manufacturing, administrative, research and development, office, warehouse, and testing facilities.

Chemical Boundary: CO₂, CH₄, and N₂O

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Verification Activities & Limitations

The following activities were conducted during the Ecovyst’s verification: AET reviewed the logic of the quantification document, including estimation methods; reviewed the completeness, accuracy relevance of the emission estimates, data management, supporting calculations, and emissions factors. The verification team reviewed the validity of the GHG inventory design, sustainability metrics and inventory boundaries. The Sustainability Performance Data was reported in Ecovyst’s “ECVT 2021 & 2022 Export Water, Waste, Energy 4-3-2023” and “ECVT 2021 & 2022 Export ENERGY Only 5-4-2023”. The AET verification team made efforts to identify any errors or misrepresentations in the items listed above and confirm that all errors were within the defined materiality threshold of ±5%.

Verification Opinion

Based on the verification activities performed, AET concluded that Ecovyst’s 2022 calendar year Sustainability Performance Data is:

- In accordance with the criteria of the GHG Protocol;
- Relatively free of material misstatements; and
- Fairly represent the sustainability data and performance.

Statement of Independence, Impartiality and Competence

AET Group Inc. is an independent multi-disciplinary environmental consulting, auditing and scientific services company providing professional services to the private and public sector across North America. AET's staff of certified environmental professionals, GHG verifiers/validators, and professional engineers have decades of combined experience providing environmental consulting and data assurance services to a range of clients. AET Group Inc. has not been responsible for the preparation of any part of the sustainability performance, nor have we undertaken any commissions that would conflict with our independence.



Attestation

AET Group Inc.

A handwritten signature in black ink, appearing to read 'K Rog', is written over a faint, light-colored grid background.

Katherine Rog, B.Eng.

Lead Verifier

Kitchener, Ontario, Canada

Dated: May 23, 2023

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