

# Verification Opinion GreenWaste 2022 GHG Inventory

## Background

Cameron-Cole, LLC (Cameron-Cole) was retained by GreenWaste to perform an independent verification of its Greenhouse Gas (GHG) Emissions Inventory (GHG Statement) for Calendar Year (CY) 2022. The Scope 1 and 2 GHG Inventory was developed according to the World Resources Institute (WRI)/World Business Council for Sustainable Development (WBCSD) Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004 revised edition) along with its associated amendments. Our opinion on the results of the inventory, with respect to the verification objectives and criteria, is provided in this statement.

## Responsibility of GreenWaste & Independence of Verification Provider

GreenWaste has sole responsibility for the content of its GHG Statement. Cameron-Cole accepts no responsibility for any changes that may have occurred to the GHG emissions results since they were submitted to us for review. Based on internationally accepted norms for impartiality, we believe our review represents an independent assessment of GreenWaste's CY 2022 GHG Emissions Inventory. Finally, the opinion expressed in this verification statement should not be relied upon as the basis for any financial or investment decisions.

## Level of Assurance

The level of assurance is used to determine the depth of detail that a Verification Body designs into the Verification Plan to determine if there are material errors, omissions, or misstatements in a company's GHG assertions. Two levels of assurance are generally recognized—reasonable and limited. Reasonable Assurance generates the highest level of confidence that an emissions report is materially correct (with the exception of Absolute Assurance which is generally impractical for companies to achieve). Limited Assurance provides less confidence and involves a less-detailed examination of GHG data and supporting documentation. Limited Assurance statements assert that there is no evidence that an emissions report is not materially correct. Cameron-Cole's verification of GreenWaste's GHG Emissions Inventory for CY 2022 was constructed to provide a Limited Level of Assurance.

## Objectives

The primary objectives of this verification assignment were as follows:

- Verify whether GreenWaste's 2022 GHG Emissions Inventory meets the generally accepted GHG emissions accounting principles of accuracy, completeness, transparency, relevance, and consistency;
- Determine if GreenWaste has reported all emissions in conformance with the WRI/WBCSD GHG Protocol; and
- Determine whether or not GreenWaste's 2022 GHG Emissions Inventory meets/exceeds the 95 percent threshold for accuracy.

## Verification Criteria

Cameron-Cole conducted verification activities in alignment with the principles of ISO-14064-3:2019(E) Specification with guidance for the verification and validation of greenhouse gas statements. The GreenWaste's GHG statement was prepared to, and verified against, the WRI/WBCSD GHG Protocol.

## Verification Scope & GHG Statement

The scope of the verification covers GreenWaste's CY 2022 GHG Emissions Inventory with the following boundaries:

- **Geographical:** California
- **Chemical:** carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), and hydrofluorocarbons (HFCs)
- **Organizational Boundary:** Operations in the cities of San Jose, Santa Clara, Sacramento, Gilroy, Watsonville, and Marina. Facilities: San Jose Material Recovery Facility, Zanker Resource Recovery Facility, ZBest Composting Facility, GreenWaste Renewable Energy Digestion Facility (anaerobic digester), GreenWaste Debris Box Services, Florin Perkins Resource Recovery Facility, Palo Alto Collections, San Jose Collections, Monterey County Collections, Santa Cruz County Collections, and GreenWaste Corporate Headquarters.
- **Operational Boundary:** The following sources/emissions were identified in GreenWaste's organizational boundary:
  - Scope 1
    - Direct emissions from mobile combustion sources: hauling fleet and site vehicles
    - Direct emissions from stationary combustion sources: natural gas purchases
  - Scope 2

- Indirect emissions from purchased electricity: offices and facilities, excluding the City of Marina facilities. GreenWaste has no operational control of the building in the City of Marina.

Known exclusions of the inventory include fugitive emissions from composting and HFC's from mobile sources, and stationary biomass combustion from anaerobic digestion.

GreenWaste's GHG assertions are as follows: For CY 2022, GreenWaste reported 10,189.63 metric tons (MT) of carbon dioxide equivalents (CO<sub>2</sub>-e) from direct emission sources (Scope 1), 3,397.86 MT CO<sub>2</sub>e from Scope 2 location-based emission sources, 4,631.21 MT CO<sub>2</sub>e Scope 2 market-based emission sources, and 6,752.97<sup>1</sup> MT CO<sub>2</sub>e from biogenic emission sources.

## Verification Opinion

Based on the method employed and the results of our verification activities, Cameron-Cole has found no evidence of material errors, omissions, or misstatements in GreenWaste's CY 2022 GHG Statement. Cameron-Cole also found that GreenWaste's GHG accounting and calculation methodologies, processes, and systems for this inventory conform to the WRI/WBCSD GHG Protocol.

Cameron-Cole, LLC

October 4, 2023



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<sup>1</sup> GreenWaste initially reported 5,310 MT CO<sub>2</sub>e biogenic emissions in the GreenWaste 2022 Sustainability Report, an error was identified during the course of verification that resulted in the biogenic emissions being understated. Cameron-Cole verified biogenic emissions at 6,752.97 MT CO<sub>2</sub>e.