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27 July 2018

Ms. Michele Grossman
Managing Principal
Sustainability Services
Waste Management National Services, Inc.
1001 Fannin
Houston, TX 77002

RE: Waste Management – CDP Assurance Letter (RY2017)

To whom it may concern,

The purpose of this letter is to clarify matters set out in the assurance report. It is not an assurance report and is not a substitute for the assurance report.

This letter and the verifier's assurance report, including the opinion(s), are addressed to you and are solely for your benefit in accordance with the terms of the contract. We consent to the release of this letter by you to CDP to satisfy the terms of CDP disclosure requirements, 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 letter or our assurance report.

Environmental Services, Inc. (ESI) was commissioned by Waste Management National Services, Inc. (WM) to complete an independent verification of its 2017 GHG inventory and assertions relating to GHG Scope 1, 2 and 3 emissions. ESI is accredited by the American National Standards Institute (ANSI) under ISO 14065:2013 - *Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*; and ISO 14064-3:2006 - *Specification with guidance for the validation and verification of greenhouse gas assertions* for verification of assertions related to GHG emissions and removals at the organizational level, and validation/verification of assertions related to GHG emissions reductions and removals at the project level.

The independent verification included WM's GHG Scope 1, 2, and 3 emissions relevant to the 2017 calendar year.

WM has sole responsibility for preparation of the data and external report. ESI in performing the assurance work, is responsible to WM. The assurance statement, however, represents ESI's independent opinion and is intended to inform all stakeholders including WM.

In accordance with our engagement contract with WM of 20 April 2018, (the "contract") and for the avoidance of doubt, we confirm that our Waste Management GHG Inventory Verification Report RY2017 to you dated 27 July 2017 (the "assurance report") incorporated the following matters:

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- The boundaries for the GHG data inventory are all sites operating under WM's operational control in North America (U.S and Canada).
- The Inventory relates to direct (Scope 1) GHG emissions, energy indirect (Scope 2) GHG emissions, and other indirect (Scope 3) GHG emissions. Scope 3 GHG emissions include emissions from business travel, employee commuting, downstream leased assets, purchased goods and services, capital goods, fuel-and-energy related activities, upstream and downstream transport.
- The GHG assertions from WM are as follows:
 - Total emissions are 38,704,560 metric tonnes of CO₂e;
 - 27,450,383 metric tonnes of CO₂e for Scope 1;
 - 244,828 metric tonnes of CO₂e for Scope 2; and
 - 11,009,349 metric tons of CO₂e for Scope 3 were emitted in 2017.
- Scope 1 emissions included 15,689,993 metric tonnes of CO₂e from anthropogenic sources and 11,760,390 metric tonnes of CO₂e from biogenic sources. Scope 3 emissions included 8,665,585 metric tonnes of CO₂e from anthropogenic sources and 2,343,764 metric tonnes of CO₂e from biogenic sources.
- The GHG inventory data were verified for the period is January 1st to December 31st, 2017
- The inventory was verified in accordance with the ISO 14064-3:2006 *Specification with guidance for validation and verification of greenhouse gas assertions*. The inventory was verified using the WRI/WBCSD the WRI/WBCSD Greenhouse Gas (GHG) Protocol, WRI/WBCSD Scope 2 Guidance: A Corporate Accounting and Reporting Standard and The GHG Protocol for Project Accounting, and WM's GHG Inventory Management Plan.

In that respect, the GHG inventory was evaluated against the following criteria:

- Adherence to the principles of materiality, completeness, neutrality, and reliability, as set out in the ISO 14064-3, and
- The World Business Council for Sustainable Development (WBCSD) / World Resources institute (WRI) Greenhouse Gas protocol

ESI used a risk-based approach throughout the verification, concentrating on the areas that we believe are most material for both WM and its stakeholders.

The following methods were applied during the verification of WM's GHG inventory and management processes, the data that supports the company's GHG inventory including assertions and claims presented by the company:

- Review of documentation, data records and sources relating to the corporate environmental footprint data claims and GHG emission assertions;
- Review of the processes and tools used to collect, aggregate and report on all environmental data and metrics;
- Interview of executives and managers and data users representing relevant functions for supporting the environmental inventory management process at both the corporate and site levels;
- Assessment of environmental information systems and controls, including:
 - Selection and management of all relevant environmental data and information;

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- Processes for collecting, processing, consolidating, and reporting the environmental data and information;
- Systems and processes that ensure the accuracy of the environmental data and information;
- Design and maintenance of the environmental information system; and
- Systems and processes that support the environmental information system;
- Performed sample-based audits of the processes for generating, gathering and managing the quantitative and qualitative data;
- Examination of the environmental data and information to develop evidence for the assessment of the environmental claims and assertions made;
- Confirmation of WM's conformance to the verification criteria; and
- Evaluation of whether the evidence and data are sufficient and support WM's environmental claims.

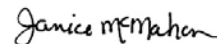
The level of assurance is used to determine the depth of detail that the verifier places in the verification plan to determine if there are any errors, omissions, or misrepresentations (ISO 14064-3:2006). ESI selected samples of data and information to provide *limited assurance* that:

- the emissions report contains no material discrepancy; and the emissions report was prepared in accordance with WRI/WBCSD GHG Protocol including all current relevant standards.

Based on the processes and procedures conducted for a limited assurance, there is no evidence that the environmental claims and assertions listed above are not materially correct and are not a fair representation of environmental data and information and have not been prepared in accordance with the calculation method referenced.

Sincerely yours,

ENVIRONMENTAL SERVICES, INC.



Janice McMahon
Sr. Vice President - Technical Director
Forestry, Carbon, and GHG Services Division