



ASSURANCE STATEMENT GREENHOUSE GAS EMISSIONS, ENERGY USE, AND WATER WITHDRAWALS

Apex Companies, LLC (Apex) was engaged to conduct an independent assurance of the greenhouse gas (GHG) emissions, energy use and water withdrawals (Select Information) reported by Seagate Technology LLC (Seagate) for the period stated below. This Assurance Statement applies to the related information described below.

The determination of the Select Information is the sole responsibility of Seagate. Apex's sole responsibility was to provide independent assurance on the accuracy of the Select Information and on the underlying systems and processes used to collect, analyze and review the Select Information.

Boundaries covered by the assurance:

- Operational Control
- Global

Data verified (Select Information):

- Energy Use (Direct and Indirect)
- Scope 1 GHG Emissions
- Scope 2 GHG Emissions (location-based and market-based)
- Scope 3 GHG Emissions
 - Purchased Goods & Services
 - Capital Goods
 - Fuel and Energy Related Activities
 - Upstream Transportation and Distribution
 - Waste Generated in Operations
 - Business Travel
 - Employee Commuting
 - Upstream Leased Assets
 - Downstream Transportation and Distribution
 - Processing of Sold Products
 - Use of Sold Products
 - End of Life Treatment of Sold Products
- Water Withdrawals

Data and information supporting the Scope 1 and Scope 2 GHG emissions and energy use assertions were historical in nature.

Data and information supporting the Scope 3 GHG emissions and water withdrawals were in some cases estimated rather than historical in nature.

Period covered by assurance:

- January 1, 2018 to December 31, 2018



Reporting Protocols against which assurance was conducted:

- World Resources Institute (WRI)/World Business Council for Sustainable Development (WBCSD) Greenhouse Gas Protocol Corporate Accounting and Reporting Standard (Scope 1 and Scope 2)
- WRI/WBCSD Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (Scope 3)
- CDP Guidance for Companies Reporting on Water on Behalf of Investors & Supply Chain Members

Verification Protocols used to conduct the assurance:

- Apex Assurance Procedures based on Assurance of Sustainability Reports and International Standard on Assurance Engagements (ISAE) 3000 Revised, Assurance Engagements Other than Audits or Reviews of Historical Financial Information (effective for assurance reports dated on or after Dec. 15, 2015) issued by the International Auditing and Assurance Standards Board
- ISO Standard 14064-3 Greenhouse Gases - Part 3: Specification with Guidance for the Validation and Verification of Greenhouse Gas Assertions

Level of Assurance and Qualifications:

- Limited
- This assurance used a materiality threshold of $\pm 5\%$ for aggregate errors in sampled data for the above indicators

Assurance Methodology:

- Interviews with relevant personnel of Seagate and their consultant;
- Review of documentary evidence produced by Seagate;
- Review of Seagate's data and information systems and methodology for collection, aggregation, analysis and review of information used to determine the Select Information; and
- Audit of sample of data used by Seagate to determine Select Information.

Assurance Opinion:

On the basis of our methodology and the activities described above:

- nothing has come to our attention to indicate that the Select Information is not fairly stated in all material respects;
- there is no evidence that the Select Information assertion shown above has not been prepared in accordance with Verification Protocols listed above; and
- it is our opinion that Seagate has established appropriate systems for the collection, aggregation and analysis of quantitative data within the scope of this assurance;

A summary of data within the scope of assurance for 2018 is attached.

Statement of independence, impartiality and competence

Apex is an independent professional services company that specializes in environmental, health, safety and social accountability with over 30 years history.

Apex has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day to day business activities. We are particularly vigilant in the prevention of conflicts of interest.



Seagate Technology LLC
July 26, 2019

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No member of the assurance team has a business relationship with Seagate, its Directors or Managers beyond that required of this assignment. We have conducted this assurance independently, and there has been no conflict of interest.

The assurance team has extensive experience in conducting assurance over environmental, social, ethical and health and safety information, systems and processes, has over 20 years combined experience in this field and an excellent understanding of Apex's standard methodology for the assurance of the selected data.

Attestation:

A handwritten signature in cursive script, reading 'Anisha Malhotra'.

Anisha Malhotra, Lead Verifier
Senior Project Manager
Apex Companies, LLC.
Lakewood, Colorado

A handwritten signature in cursive script, reading 'John A. Rohde'.

John A. Rohde, Technical Reviewer
Practice Line Leader
Apex Companies, LLC
Lakewood, Colorado

July 26, 2019

This assurance statement, including the opinion expressed herein, is provided to Seagate and is solely for the benefit of Seagate in accordance with the terms of our agreement. We consent to the release of this statement by you to the CDP in order 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 statement.



Summary of 2018 Data Subject to Assurance

Metric Type	2018	Units⁽²⁾
Total Fuel Combustion (Direct Energy)		
Natural Gas	223,098	GJ
Motor Gasoline	30	GJ
Distillate Fuel Oil	9,083	GJ
Propane	10,807	GJ
Jet Kerosene	3,921	GJ
Total Purchased Energy (Indirect)		
Electricity	1,597,121	MWh
Heating	11	MWh
Cooling	5,747	MWh
Onsite Solar	1,000	MWh
Scope 1 GHG emissions	259,307	MT CO ₂ e
Scope 2 GHG emissions – location-based	890,010	MT CO ₂ e
Scope 2 GHG emissions – market-based	902,266	MT CO ₂ e
Scope 3, Purchased Goods & Services ⁽¹⁾	1,200,000	MT CO ₂ e
Scope 3, Capital Goods ⁽¹⁾	200,000	MT CO ₂ e
Scope 3, Fuel and Energy Related Activities ⁽¹⁾	190,000	MT CO ₂ e
Scope 3, Upstream Transportation and Distribution ⁽¹⁾	90,000	MT CO ₂ e
Scope 3, Waste Generated in Operations ⁽¹⁾	5,700	MT CO ₂ e
Scope 3, Business Travel ⁽¹⁾	17,000	MT CO ₂ e
Scope 3, Employee Commuting ⁽¹⁾	25,000	MT CO ₂ e
Scope 3, Upstream Leased Assets ⁽¹⁾	2,500	MT CO ₂ e
Scope 3, Downstream Transportation and Distribution ⁽¹⁾	8,000	MT CO ₂ e
Scope 3, Processing of Sold Products ⁽¹⁾	2,200	MT CO ₂ e
Scope 3, Use of Sold Products ⁽¹⁾	15,000,000	MT CO ₂ e
Scope 3, End of Life Treatment ⁽¹⁾	50,000	MT CO ₂ e
Total Water Withdrawals	8,282	ML

⁽¹⁾ Scope 3 GHG Emissions in this table have been rounded

⁽²⁾ Unit abbreviations:

GJ = gigajoules

MWh = megawatt hours

MT CO₂e = metric tons of carbon dioxide equivalents

ML = megaliters