



## VERIFICATION STATEMENT GREENHOUSE GAS EMISSIONS

APEX Companies L.L.C. (Apex) was engaged to conduct an independent verification of the greenhouse gas (GHG) emissions and water consumption reported by Dell Technologies from February 1, 2018 through January 31, 2019. The verification was carried out to provide a limited level of assurance. This Verification Statement applies to the related information included within the scope of work described below.

The determination of the GHG emissions is the sole responsibility of Dell Technologies. Apex's sole responsibility was to provide independent verification on the accuracy of the GHG emissions reported, and on the underlying systems and processes used to collect, analyze and review the information.

### **Boundaries of the reporting company covered by the verification:**

- Operational Control
- Worldwide (excluding VMWare)

### **Data verified:**

- **Total Energy Consumed:** 1,260,555 Megawatt hours, including:
  - **Electricity Consumed:** 1,052,544 Megawatt hours
  - **Other building and transportation energy consumed:** 208,010 Megawatt hours
- **Renewable-source Electricity Consumed (on-site generation and purchased):** 345,567 Megawatt hours
- **Scope 1:** 58,965 metric tons of CO<sub>2</sub> equivalent (CO<sub>2</sub>e)
- **Scope 2 (Location-Based):** 436,381 metric tons of CO<sub>2</sub>e
- **Scope 2 (Market-Based):** 313,836 metric tons of CO<sub>2</sub>e
- **Scope 3:** 17,642,626 metric tons of CO<sub>2</sub>e, consisting of:
  - Purchased Goods & Services: 3,686,746 metric tons of CO<sub>2</sub>e
  - Fuel and Energy Related Activities: 140,026 metric tons of CO<sub>2</sub>e
  - Business Travel (Air and Rail Travel): 165,854 metric tons of CO<sub>2</sub>e
  - Use of Sold Products: 13,650,000 metric tons of CO<sub>2</sub>e
- **Water Withdrawal:** 2,338,006 cubic meters, consisting of:
  - Municipal: 2,250,274 cubic meters
  - Groundwater: 87,732 cubic meters
- **Wastewater discharge:** 1,884,086 cubic meters

Data and information supporting the Scope 1 and Scope 2 GHG emissions and water assertions were historical in nature and in some cases estimated based on historical data for similar properties in similar locations. Data and information supporting the Scope 3 GHG emissions assertion were in some cases estimated rather than historical in nature.

### **Period covered by verification:**

- February 1, 2018 through January 31, 2019

### **Reporting Protocols against which verification was conducted:**



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

**Verification Protocols used to conduct the verification:**

- Bureau Veritas Assurance Procedures
- International Standard on Assurance Engagements (ISAE) 3000 (basis for Bureau Veritas assurance procedures)
- ISO 14064-3: Greenhouse gases -- Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions

**Level of Assurance and Qualifications:**

- Assurance Level: Limited
- Materiality Threshold:  $\pm 5\%$

**GHG Verification Methodology:**

- Interviews with relevant personnel of Dell Technologies;
- Review of documentary evidence produced by Dell Technologies;
- Review of Dell Technologies' data and information systems and methodology for collection, aggregation, analysis and review of information; and
- Audit of samples of data used by Dell Technologies to determine GHG emissions and water assertions.

**Assurance Opinion:**

Based on the results of our verification process, there is no evidence that the GHG emissions and water assertions shown above:

- are not materially correct;
- are not a fair representation of the GHG emissions data and information; and
- are not prepared in accordance with the WRI/WBCSD GHG Protocol Corporate Accounting and Reporting Standard.

It is our opinion that Dell Technologies has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of GHG emissions and water withdrawal and discharge for the stated period and boundaries.



**Statement of independence, impartiality and competence**

Apex is an independent professional services company that specializes in Quality, Health, Safety, Social and Environmental management services with over 30 years history in providing these services.

No member of the verification team has a business relationship with Dell Technologies, its Directors or Managers beyond that required of this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest.

Apex has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

The verification 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 standard methodology for the verification of greenhouse gas emissions data.

**Attestation:**

A handwritten signature in blue ink, appearing to read 'Trevor A. Donaghy', written over a light blue horizontal line.

Trevor A. Donaghy, Lead Verifier  
Program Manager  
Sustainability and Climate Change Services  
Bureau Veritas North America, Inc.

August 23, 2019

*This verification statement, including the opinion expressed herein, is provided to Dell Technologies and is solely for the benefit of Dell Technologies in accordance with the terms of our agreement. We consent to the release of this statement by you to 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.*