



Assurance Statement: AA1000

Trucost was engaged by **Agilent Technologies** to provide assurance of the environmental data held within its 2012 Corporate Citizenship Report

Intended users

The intended users of this assurance statement are the management and stakeholders of Agilent Technologies.

Responsibilities of Agilent Technologies and of the assurance providers

The management of Agilent has sole responsibility for the preparation and content of the Corporate Citizenship Report (hereafter CCR). Trucost's statement represents its independent and balanced opinion on the content and accuracy of the information and environmental data held within.

Assurance Standard

Trucost undertook the assurance in accordance with AA1000AS (2008) Type 2 moderate-level assurance, covering:

- ✓ Evaluation of adherence to the AA1000APS (2008) Principles of inclusivity, materiality and responsiveness (the Principles); and
- ✓ The reliability of specified environmental performance information (energy use, greenhouse gas emissions, water use and waste generated).

Trucost used the Global Reporting Initiative (GRI) and the GHG Protocol to evaluate Agilent's performance information and adherence to the Principles.

Scope and limitations

Trucost was engaged to assure the data and claims in Agilent's 2012 CCR. This submission covered the period 01 November 2011 – 31 October 2012. Agilent took an operational control approach. Emissions from 7 small facilities, accounting for an estimated less than 10% of total Scope 1 and Scope 2 emissions have been excluded.

Trucost verified the following environmental impacts (as calculated by Agilent):

Scope	Source	Unit	Quantity
Scope 1	Natural gas	tCO ₂ e	10,991
	Propane	tCO ₂ e	32
	Diesel	tCO ₂ e	3,026
Scope 2	Electricity	tCO ₂ e	108,100
Scope 3	Business air travel	tCO ₂ e	38,682
	Leased vehicles	tCO ₂	8,459
Water	Total water use	m ³	1,269,427
	Used for irrigation	m ³	122,830
	Water recycled	m ³	62,660
Hazardous Waste	Treated	metric tonnes	1,718.5
	Incinerated	metric tonnes	100.6
	Landfilled	metric tonnes	20.2
	Recycled	metric tonnes	626.8

Non-Hazardous Waste	Incinerated	metric tonnes	219.6
	Landfilled	metric tonnes	781.4
	Recycled	metric tonnes	21,831.9

Agilent was not able to provide Trucost with the following supporting documents in the required timeframe:

- Evidence of solar power generation at Waldbronn
- Supporting documents for solid and electronic waste generation at Colorado Springs, accounting for 77% of total waste¹

Description of methodology

Trucost's assurance methodology included the following activities:

- Review of the processes by which Agilent defines the sustainability issues that are relevant and material to its operations and its stakeholders;
- Interviews with the EHS Directors and Managers responsible for sustainability performance and data collection;
- Assessment of the extent to which Agilent's sustainability activities adheres to the Principles
- Limited assessment of evidence provided to support key claims in the CCR;
- Review of processes and systems used to gather and consolidate environmental data; and
- Verification of data accuracy for a selection of sites, including an audit of conversion factor and calculations used.

Findings, conclusions and recommendations

The principles: Nothing came to Trucost's attention to suggest that the CDP Response does not adhere to the Principles.

Data reliability: Trucost did not find evidence to insinuate that the processes and systems in place to collect and collate environmental data are such that the company's environmental performance would be erroneously described.

Agilent has implemented excellent processes and software systems to collect global energy consumption and uses a spread sheet to calculate greenhouse gas emissions. Upon evaluating this system, Trucost found that overall, the consumption data held within was accurate, corrections were made as necessary and investigations are underway to rectify structural errors. Trucost found that the greenhouse gas conversion factors held within the calculation spread sheet were accurate, up-to-date and applied correctly. Trucost recommends these continue to be updated annually or as available. Trucost identified errors in the consolidation of GHG emission figures in line with the GHG Protocol and corrections were made.

¹ This limitation arose from unforeseen circumstances outside of Agilent's control and will be resolved in future years.



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Principle	Comments
<p>Inclusivity: the participation of stakeholders in developing and achieving an accountable and strategic response to sustainability</p>	<p>Agilent reviews its list of key stakeholders and engages with them on at least an annual basis. Engagement avenues are appropriate, robust and balanced and include in-person meetings, hot lines, consultations, surveys, ad-hoc feedback and community programs. Stakeholder feedback is integrated across all organizational levels. Stakeholder concerns (competing or otherwise) are prioritized based on urgency and potential EHS impact. Trucost found that this prioritization process could be made more formalized through a stakeholder map.</p>
<p>Materiality: determining the relevance and significance of an issue to an organization and its stakeholders</p>	<p>Agilent relies on the GRI v.3.1 to select environmental KPIs for reporting and reports on all KPIs deemed relevant to the business. The company focuses its data collection efforts on its most material sites (manufacturing sites, ISO14001-certified sites and sites greater than 200,000 square feet). KPIs selected are deemed material across all organizational levels although the most relevant business units (and top management) take ownership of the KPI. Trucost found that the company is driven to report on as many GRI indicators as possible and suggests thorough materiality studies are completed for each KPI to ensure efforts are worthwhile (i.e. for NOx and SOx emissions) – a materiality map of sustainability issues is recommended to formalize this process.</p>
<p>Responsiveness: an organization's response to stakeholder issues that affect its sustainability performance and is realized through decisions, actions and performance, as well as communication with stakeholders.</p>	<p>Agilent's stakeholder engagement and response activities differ based on the complexity and potential impact of each sustainability concern. Response methods are reviewed regularly to ensure they are sufficient and appropriate. Existing and potential stakeholder concerns are discussed internally at quarterly company-wide EHS management review meetings, the results of which are communicated to all relevant organizational departments. Agilent aims to respond to all stakeholder concerns within a 48-hour timeframe although this may vary depending on the urgency and/or complexity of the issue. The company has also set a number of targets and implemented a number of initiatives in response to stakeholder concerns - e.g. energy-saving and clean-energy projects. Trucost recommends similar targets be set and communicated for KPIs other than energy (i.e. water use or waste generation).</p>

Agilent uses the same software system to track global water consumption. Trucost recommends Agilent implement processes to track water consumption by source (i.e. groundwater, purchased water, etc) and to improve clarity on tracking water use (i.e. operations or irrigation).

Trucost recommends similar and standardized data consolidation processes be implemented to calculate global waste generation. The company works with a partner, Johnson Controls Inc. (JCI), to collect waste data in a consistent manner across the organization. Trucost recommends that Agilent work with JCI to make this process more site- and location-specific, and to utilize systems established by site managers in order to increase transparency in data collection and calculation. Using one software system to collect energy, water and waste data globally would ease reporting and auditing of data. Agilent is also encouraged to improve the consistency across the sites when reporting electronic waste data and to include cafeteria and landscaping waste in total solid waste figures. Establishing a distinct waste category to reflect incineration with energy recovery (currently categorized as recycled) would improve clarity on waste management practices.

Assurance provider

Trucost has been researching, standardizing and validating corporate environmental performance data since 2000. Trucost's research team has the relevant professional and technical competencies and experience to conduct an assurance to the AA1000 standard. Trucost did not provide any services to Agilent during FY2011 that could conflict with the independence of this work. This is the third year that Trucost has assured Agilent's environmental data held within its Corporate Citizenship Report and response to the Carbon Disclosure Project. Significant improvements have been seen over this time.

Trucost plc
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AA1000
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