

INDEPENDENT LIMITED ASSURANCE STATEMENT



To: The Stakeholders of Amgen

Introduction and Objectives of Work

Bureau Veritas North America, Inc. (Bureau Veritas) has been engaged by Amgen to provide limited assurance of its selected environmental and safety data. This Assurance Statement applies to the related information included within the scope of work described below.

Scope of Work

The scope of our work was limited to assurance over the following environmental and safety data included within Amgen's 2018 Responsibility Highlights Report ('the Report') for the period of calendar year 2018 (the 'Selected Information'):

- Energy Use (Total, Direct and Indirect)
- Greenhouse Gas Emissions (Scope 1, Scope 2 location-based and market-based)
- Water Withdrawal and Fate
- Waste Quantities and Disposition
- Recordable Case Rate
- Days Away Case Rate
- Environmental Notices of Violation

Reporting Criteria

The Selected Information needs to be read and understood together with the description of the Selected Information in the Report. The reporting criteria for greenhouse gas emissions was the World Resources Institute (WRI)/World Business Council for Sustainable Development (WBCSD) Greenhouse Gas Protocol Corporate Accounting and Reporting Standard.

Limitations and Exclusions

Excluded from the scope of our work is any verification of information relating to:

- Text or other written statements associated with Amgen's 2018 Responsibility Highlights Report and amgen.com
- Activities outside the defined verification period of Calendar Year 2018

This limited assurance engagement relies on a risk based selected sample of sustainability data and the associated limitations that this entails. This independent statement should not be relied upon to detect all errors, omissions or misstatements that may exist.

Responsibilities

This preparation and presentation of the Selected Information in the Report are the sole responsibility of the management of Amgen.

Bureau Veritas was not involved in the drafting of the Report or of the Reporting Criteria. Our responsibilities were to:

- obtain limited assurance about whether the Selected Information has been prepared in accordance with the Reporting Criteria;
- form an independent conclusion based on the assurance procedures performed and evidence obtained; and



- report our conclusions to the management of Amgen.

Assessment Standards

We performed our work in accordance with Bureau Veritas' standard procedures and guidelines for external 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. Greenhouse Gas Emissions were verified in accordance with and ISO Standard 14064-3 Greenhouse Gases - Part 3: Specification with Guidance for the Validation and Verification of Greenhouse Gas Assertions. A materiality threshold of ± 5 -percent was set for the assurance process.

Summary of Work Performed

As part of our independent verification, our work included:

1. Assessing the appropriateness of the Reporting Criteria for the Selected Information;
2. Conducting interviews with relevant personnel at Amgen regarding data collection and reporting systems;
3. Reviewing the data collection and consolidation processes used to compile Selected Information, including assessing assumptions made, and the data scope and reporting boundaries during a visit to Amgen's headquarters location in Thousand Oaks, California.;
4. Reviewing documentary evidence provided by Amgen;
5. Comparing a selection of the Selected Information data to the corresponding source documentation both remotely and during site visits to facilities located in Istanbul, Turkey and Juncos, Puerto Rico;
6. Reviewing Amgen systems for quantitative data aggregation and analysis; and
7. Assessing the disclosure and presentation of the Selected Information to ensure consistency with assured information.

Conclusion

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

- Nothing has come to our attention to indicate that the Selected Information is not fairly stated in all material respects; and
- It is our opinion that Amgen 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, Integrity and Competence

Bureau Veritas is an independent professional services company that specialises in quality, health, safety, social and environmental management with more than 185 years history. Its assurance team has extensive experience in conducting verification over environmental, social, ethical and health and safety information, systems and processes.

Bureau Veritas operates a certified¹ Quality Management System which complies with the requirements of ISO 9001:2008, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

¹ Certificate of Registration No. 44 100 160145 issued by TUV Nord

Bureau Veritas has implemented and applies a Code of Ethics, which meets the requirements of the International Federation of Inspections Agencies (IFIA)², across the business to ensure that its employees maintain integrity, objectivity, professional competence and due care, confidentiality, professional behaviour and high ethical standards in their day-to-day business activities.

The assurance team for this work does not have any involvement in any other Bureau Veritas projects with Amgen.



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² International Federation of Inspection Agencies – Compliance Code – Third Edition

Summary of 2018 Data Subject to Assurance

Metric Type	Units ⁽¹⁾	2018 ⁽²⁾
Total Combustion On-site (Direct)	1,000 GJ	1,766
Natural Gas	1,000 GJ	1,017
Diesel	1,000 GJ	748
Propane	1,000 GJ	1
Total Purchased Energy (Indirect)	1,000 GJ	1,518
Fossil Fuel	1,000 GJ	937
Hydro	1,000 GJ	129
Nuclear	1,000 GJ	132
Renewables	1,000 GJ	301
Nonspecified	1,000 GJ	19
Total Energy	1,000 GJ	3,284
Total Carbon Combustion On-site (Scope 1 GHG emissions)	1,000 MT CO2Eq	104
Natural Gas	1,000 MT CO2Eq	51
Diesel	1,000 MT CO2Eq	52
Propane	1,000 MT CO2Eq	0.1
Total Carbon Purchased Energy (Scope 2 GHG emissions - market based)	1,000 MT CO2Eq	160
Electricity	1,000 MT CO2Eq	156
Steam	1,000 MT CO2Eq	4
Total Carbon Purchased Energy (Scope 2 GHG emissions - location based)	1,000 MT CO2Eq	176
Electricity	1,000 MT CO2Eq	171
Steam	1,000 MT CO2Eq	5
Total Carbon From Energy	1,000 MT CO2Eq	263
Total Carbon Normalized to Total Energy	MTCO2Eq/GJ	0.085
Carbon Sales Fleet (Scope 1)	1,000 MT CO2Eq	44
Carbon Executive Air Fleet (Scope 1)	1,000 MT CO2Eq	4
Carbon From Fugitive Refrigerant Emissions (Scope 1)	1,000 MT CO2Eq	8.6
Total Water Withdrawal	1,000 CM	2,093
Municipal	1,000 CM	2,080
Other - (Reservoir) Trucked In	1,000 CM	0
Ground	1,000 CM	13
Water Fate	1,000 CM	2,093
Consumed Into Products	1,000 CM	31
Lost to Evaporation	1,000 CM	562
Discharged to Treatment	1,000 CM	1,328
Discharged Directly to Environment	1,000 CM	172
Recycled	1,000 CM	572
Percentage of Water Recycled per Total Water Withdrawal	%	27%
Waste Recycling Rate (includes routine waste recycled, reused, composted and treated)	%	49%
Total Routine Waste	MT	9,642
Routine Hazardous Waste	MT	1,984
Recycled	MT	281
Incinerated for Energy Recovery	MT	795
Incinerated Not for Energy Recovery	MT	738
Landfilled	MT	89
Treated	MT	81

Metric Type	Units ⁽¹⁾	2018 ⁽²⁾
Routine Nonhazardous Waste	MT	7,658
Composted	MT	728
Reused	MT	176
Recycled	MT	3,441
Incinerated for Energy Recovery	MT	603
Incinerated Not for Energy Recovery	MT	202
Landfilled	MT	2,462
Treated	MT	46
Total Nonroutine Waste	MT	7,509
Injury and Illness Rate	Recordable Cases per 100 Employees	0.41
Lost Day Case rate	Lost Day Cases per 100 Employees	0.14
Environmental Notices of Violation	number	3

⁽¹⁾ Unit abbreviations:

GJ= gigajoules

MT CO₂Eq = metric tons of carbon dioxide equivalents

CM = cubic meters

MT = metric tons

⁽²⁾ Numbers in this table have been rounded