

INDEPENDENT LIMITED ASSURANCE STATEMENT



To: The Stakeholders of Amgen

Introduction and objectives of work

Apex Companies, LLC (Apex) has been engaged by Amgen to provide limited assurance of selected environmental and safety data. This assurance statement applies to the Subject Matter included within the scope of work described below.

This information and its presentation in Amgen's Environmental, Social & Governance 2020 Report ('the ESG 2020 Report') are the sole responsibility of the management of Amgen. Apex was not involved in the drafting of the ESG 2020 Report. Our sole responsibility was to provide independent assurance on the accuracy of the Subject Matter.

Scope of work

The scope of our work was limited to assurance over the following environmental and safety data included within the ESG 2020 Report for the period of calendar year 2020 (the 'Subject Matter'):

- Energy Use (Total, Direct and Indirect)
- Greenhouse Gas (GHG) Emissions (Scope 1, Scope 2 location-based and market-based, Scope 3, Upstream Categories 1 – 7)
- Water Withdrawal and Fate
- Waste Quantities and Disposition
- Recordable Case Rate (Amgen Staff and Contractors)
- Days Away Case Rate (Amgen Staff and Contractors)
- Lost-Time Injury Frequency Rate (Amgen Staff and Contractors)
- Fatalities (Amgen Staff and Contractors)
- Environmental Notices of Violation

Data and information supporting the Subject Matter were in some cases estimated rather than historical in nature.

Our assurance does not extend to any other information included in the ESG 2020 Report.

Reporting Boundaries

The following are the boundaries used by Amgen for reporting sustainability data:

- Operational Control
- Energy, GHG emissions, Recordable Case Rate, Days Away Case Rate and Environmental Notices of Violation: Amgen facilities located worldwide
- Water and Waste Metrics: Seventeen manufacturing, research and development, and distribution facilities where data are collected, representing approximately 88 percent of Amgen's building square footage. The remaining facilities are primarily administrative offices.

Reporting Criteria

The Subject Matter needs to be read and understood together with the description of the Subject Matter reporting criteria in the ESG 2020 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 the ESG 2020 Report and amgen.com
- Activities outside the defined verification period of Calendar Year 2020

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 Subject Matter in the ESG 2020 Report are the sole responsibility of the management of Amgen.

Apex was not involved in the drafting of the ESG 2020 Report or of the Reporting Criteria. Our responsibilities were to:

- obtain limited assurance about whether the Subject Matter 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 Amgen management.

Assessment Standards

We performed our work in accordance with Apex's 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 Second edition 2019-04 Greenhouse Gases - Part 3: Specification with Guidance for the Verification and Validation of Greenhouse Gas Statements. 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 Subject Matter;
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 Subject Matter, including assessing assumptions made, and the data scope and reporting boundaries;
4. Reviewing documentary evidence provided by Amgen;
5. Agreeing a selection of the Subject Matter to the corresponding source documentation both remotely and during interviews with individuals responsible for reporting data at facilities located in San Francisco, California and Thousand Oaks, California;
6. Reviewing Amgen's systems for quantitative data aggregation and analysis; and
7. Assessing the disclosure and presentation of the Subject Matter 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 Subject Matter has not been properly prepared, in all material respects, in accordance with the Reporting Criteria; 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 2020 is attached.

Statement of Independence, Integrity and Competence

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

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

No member of the assurance team has a business relationship with Amgen, its Directors or Managers beyond that required of this assignment. We have conducted this verification 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 verification of greenhouse gas emissions data.



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Lakewood, Colorado



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Apex Companies, LLC
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April 13, 2021

Summary of 2020 Data Subject to Assurance

Metric Type	Units ⁽¹⁾	2020 ⁽²⁾
Total Combustion On-site (Direct)	1,000 GJ	1,812
Natural Gas	1,000 GJ	1,037
Diesel	1,000 GJ	773
Propane	1,000 GJ	1.3
Total Purchased Energy (Indirect)	1,000 GJ	1,474
Fossil Fuel	1,000 GJ	798
Hydro	1,000 GJ	146
Nuclear	1,000 GJ	103
Renewables	1,000 GJ	420
Non-specified	1,000 GJ	7.1
Onsite Renewable Generation	1,000 GJ	0.2
Total Energy	1,000 GJ	3,286
Total Carbon Combustion On-site (Scope 1 GHG emissions)	1,000 MT CO2Eq	107
Natural Gas	1,000 MT CO2Eq	53
Diesel	1,000 MT CO2Eq	54
Propane	1,000 MT CO2Eq	0.1
Total Carbon Purchased Energy (Scope 2 GHG emissions - market based)		
Electricity	1,000 MT CO2Eq	136
Steam	1,000 MT CO2Eq	0.1
Total Carbon Purchased Energy (Scope 2 GHG emissions - location based)		
Electricity	1,000 MT CO2Eq	133
Steam	1,000 MT CO2Eq	5.9
Total Carbon from Energy	1,000 MT CO2Eq	243
Total Carbon Normalized to Total Energy	MTCO2Eq/GJ	0.084
Carbon Sales Fleet (Scope 1)	1,000 MT CO2Eq	27
Carbon Executive Air Fleet (Scope 1)	1,000 MT CO2Eq	1.4
Carbon from Fugitive Refrigerant Emissions (Scope 1)	1,000 MT CO2Eq	1.8
Carbon from Cell Respiration and Purchased Carbon Dioxide Emissions (Scope 1)	1,000 MT CO2Eq	2.0
Carbon (Scope 3 GHG emissions): Upstream		
Purchased Goods and Services (Category 1)	1,000 MT CO2Eq	2,316
Capital Goods (Category 2)	1,000 MT CO2Eq	210
Fuel- and Energy-Related Activities (Category 3)	1,000 MT CO2Eq	45
Upstream Transportation & Distribution (Category 4)	1,000 MT CO2Eq	21
Waste Generated in Operations (Category 5)	1,000 MT CO2Eq	7.6
Business Travel (Category 6)	1,000 MT CO2Eq	13
Staff Commuting (Category 7)	1,000 MT CO2Eq	14
Total Water Withdrawal	1,000 CM	2,355
Municipal	1,000 CM	2,337
Other - (Reservoir) Trucked In	1,000 CM	-
Ground	1,000 CM	18

Metric Type	Units ⁽¹⁾	2020 ⁽²⁾
Water Fate	1,000 CM	2,355
Consumed into Products	1,000 CM	28
Lost to Evaporation	1,000 CM	542
Discharged to Treatment	1,000 CM	1,621
Discharged Directly to Environment	1,000 CM	162
Recycled	1,000 CM	567
Percentage of Water Recycled per Total Water Withdrawal	%	24%
Waste Recycling Rate (includes routine waste recycled, reused and composted)	%	52%
Total Routine Waste	MT	9,841
Routine Hazardous Waste	MT	2,144
Recycled	MT	367
Incinerated for Energy Recovery	MT	797
Incinerated Not for Energy Recovery	MT	885
Landfilled	MT	66
Treated	MT	28
Routine Nonhazardous Waste	MT	7,697
Composted	MT	775
Reused	MT	216
Recycled	MT	3,792
Incinerated for Energy Recovery	MT	731
Incinerated Not for Energy Recovery	MT	74
Landfilled	MT	2,072
Treated	MT	37
Total Nonroutine Waste	MT	7,966
Injury and Illness Rate – Beyond First Aid (Amgen Staff ⁽³⁾)	Incidents per 100 Workers	0.30
Lost Day Case rate (Amgen Staff ⁽³⁾)	Incidents per 100 Workers	0.07
Lost-Time Injury Frequency Rate (Amgen Staff ⁽³⁾)	Lost Day Cases per 1,000,000 hours	0.33
Fatalities (Amgen Staff ⁽³⁾)	Number	1
Injury and Illness Rate – Beyond First Aid (Contractors)	Incidents per 100 contractors	0.40
Lost Day Case rate (Contractors)	Incidents per 100 contractors	0.17
Lost-Time Injury Frequency Rate (Contractors)	Lost Day Cases per 1,000,000 hours	0.86
Fatalities (Contractors)	Number	0
Environmental Notices of Violation (NOVs)	Number	1

⁽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

⁽³⁾ Amgen staff includes Amgen employees and contingent workers that are directly supervised by Amgen