

## INDEPENDENT REASONABLE ASSURANCE STATEMENT



**To: The Stakeholders of Amgen**

### Introduction and objectives of work

Apex Companies, LLC (Apex) has been engaged by Amgen to provide reasonable 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 2021 Report ('the ESG 2021 Report') are the sole responsibility of the management of Amgen. Apex was not involved in the drafting of the ESG 2021 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 assurance over the following environmental and safety data included within the ESG 2021 Report for the period of calendar year 2021 (the 'Subject Matter'):

- Energy Use (Total, Direct and Indirect)
- Greenhouse Gas (GHG) Emissions
  - Scope 1
  - Scope 2 Location Based Emissions (LBE)
  - Scope 2 Market Based Emissions (MBE)
  - 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 2021 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: Sixteen 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 2021 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 and Corporate Value Chain (Scope 3) Accounting and Reporting Standard.

## Limitations and Exclusions

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

- Text or other written statements associated with the ESG 2021 Report and amgen.com
- Activities outside the defined assurance period of Calendar Year 2021

This reasonable 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 2021 Report are the sole responsibility of the management of Amgen.

Apex was not involved in the drafting of the ESG 2021 Report or of the Reporting Criteria. Our responsibilities were to:

- obtain reasonable 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  $\pm 5$ -percent was set for the assurance process.

## Summary of Work Performed

As part of our independent assurance, 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 and during interviews with individuals responsible for reporting data during a site visit to Amgen facilities located in Juncos, Puerto Rico and remotely at facilities located in Dun Laoghaire, Ireland 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:

- The Subject Matter is presented in accordance with the Reporting Criteria and is, in all material respects, fairly stated; 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 2021 is attached.

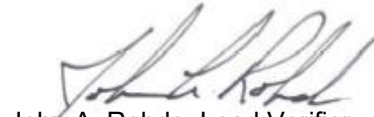
## Statement of Independence, Integrity and Competence

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.

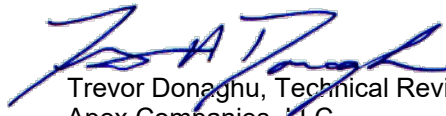
Apex has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

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.



John A. Rohde, Lead Verifier  
Apex Companies, LLC  
Lakewood, Colorado



Trevor Donaghu, Technical Reviewer  
Apex Companies, LLC  
Pleasant Hill, California

April 5, 2022

Summary of 2021 Data Subject to Assurance

| Metric Type   | Units <sup>(1)</sup> | 2021 <sup>(2)</sup> |
|---|----------------------|---------------------|
| Total Combustion On-site (Direct)                           | 1,000 GJ             | 1,671               |
| Natural Gas   | 1,000 GJ             | 1,060               |
| Diesel  | 1,000 GJ             | 609                 |
| Propane   | 1,000 GJ             | 1.4                 |
| Total Purchased Energy for Onsite Use (MBE)                 | 1,000 GJ             | 1,522               |
| Fossil Fuel   | 1,000 GJ             | 383                 |
| Nuclear   | 1,000 GJ             | 7.4                 |
| Renewables  | 1,000 GJ             | 1,131               |
| Total Purchased Energy for Onsite Use (LBE)                 | 1,000 GJ             | 1,522               |
| Fossil Fuel   | 1,000 GJ             | 1,010               |
| Nuclear   | 1,000 GJ             | 121                 |
| Renewable   | 1,000 GJ             | 390                 |
| Onsite Renewable Generation                                 | 1,000 GJ             | 0.1                 |
| Total Energy for Onsite Facilities (does not include fleet) | 1,000 GJ             | 3,193               |
| Carbon - Scope 1  | 1,000 MT CO2Eq       | 133                 |
| Natural Gas Combustion On-site                              | 1,000 MT CO2Eq       | 54                  |
| Diesel Combustion On-site                                   | 1,000 MT CO2Eq       | 43                  |
| Propane Combustion On-site                                  | 1,000 MT CO2Eq       | 0.1                 |
| Sales Fleet   | 1,000 MT CO2Eq       | 30                  |
| Executive Air Travel  | 1,000 MT CO2Eq       | 2.0                 |
| Fugitive Refrigerant Emissions                              | 1,000 MT CO2Eq       | 1.8                 |
| Cell Respiration and Purchased Carbon                       | 1,000 MT CO2Eq       | 2.3                 |
| Carbon - Scope 2 MBE  | 1,000 MT CO2Eq       | 58                  |
| Electricity   | 1,000 MT CO2Eq       | 58                  |
| Steam   | 1,000 MT CO2Eq       | 0.3                 |
| Fleet   | 1,000 MT CO2Eq       | 0.2                 |
| Carbon - Scope 2 LBE  | 1,000 MT CO2Eq       | 156                 |
| Electricity   | 1,000 MT CO2Eq       | 150                 |
| Steam   | 1,000 MT CO2Eq       | 5.8                 |
| Fleet   | 1,000 MT CO2Eq       | 0.2                 |
| Carbon - Scope 3 (Upstream)                                 | 1,000 MT CO2Eq       | 3,064               |
| Purchased Goods and Services (Category 1)                   | 1,000 MT CO2Eq       | 2,570               |
| Capital Goods (Category 2)                                  | 1,000 MT CO2Eq       | 348                 |
| Fuel- and Energy-related activities (Category 3)            | 1,000 MT CO2Eq       | 44                  |
| Upstream transportation & distribution (Category 4)         | 1,000 MT CO2Eq       | 59                  |
| Waste generated in operations (Category 5)                  | 1,000 MT CO2Eq       | 6.3                 |
| Business Travel (Category 6)                                | 1,000 MT CO2Eq       | 4.2                 |
| Employee Commuting (Category 7)                             | 1,000 MT CO2Eq       | 33                  |
| Carbon - Other  | 1,000 MT CO2Eq       |                     |
| Carbon Offsets  | 1,000 MT CO2Eq       | (17)                |
| Other - HCFC  | 1,000 MT CO2Eq       | 0.1                 |
| Carbon Totals   | 1,000 MT CO2Eq       |                     |
| Scope 1   | 1,000 MT CO2Eq       | 133                 |
| Scope 2 (MBE)   | 1,000 MT CO2Eq       | 58                  |
| Scope 1 and Scope 2 (MBE)                                   | 1,000 MT CO2Eq       | 191                 |
| Scope 1 (Utilities) and Scope 2 (MBE)                       | 1,000 MT CO2Eq       | 155                 |
|   |                      |                     |

| Metric Type  | Units <sup>(1)</sup> | 2021 <sup>(2)</sup> |
|--|----------------------|---------------------|
| <b>Water</b>   |                      |                     |
| Total Water Withdrawal   | 1,000 CM             | 2,238               |
| Municipal  | 1,000 CM             | 2,233               |
| Other - (Reservoir) Trucked In   | 1,000 CM             | 0                   |
| Ground   | 1,000 CM             | 5.1                 |
| Water Fate   | 1,000 CM             | 2,238               |
| Consumed into Products   | 1,000 CM             | 28                  |
| Lost to Evaporation  | 1,000 CM             | 576                 |
| Discharged to Treatment  | 1,000 CM             | 1,450               |
| Discharged Directly to Environment   | 1,000 CM             | 184                 |
| Recycled   | 1,000 CM             | 557                 |
| Percentage of Water Recycled per Total Water Withdrawal                      | %                    | 25%                 |
| <b>Waste</b>   |                      |                     |
| Waste Recycling Rate (includes routine waste recycled, reused and composted) | %                    | 51%                 |
| Total Routine Waste  | MT                   | 10,289              |
| Routine Hazardous Waste  | MT                   | 2,230               |
| Recycled   | MT                   | 346                 |
| Incinerated for Energy Recovery  | MT                   | 1,102               |
| Incinerated Not for Energy Recovery  | MT                   | 674                 |
| Landfilled   | MT                   | 74                  |
| Treated  | MT                   | 35                  |
| Routine Nonhazardous Waste   | MT                   | 8,059               |
| Composted  | MT                   | 636                 |
| Reused   | MT                   | 117                 |
| Recycled   | MT                   | 4,104               |
| Incinerated for Energy Recovery  | MT                   | 1,162               |
| Incinerated Not for Energy Recovery  | MT                   | 171                 |
| Landfilled   | MT                   | 1,813               |
| Treated  | MT                   | 56                  |
| Total Nonroutine Waste   | MT                   | 64,969              |

| Health and Safety  |                                    |      |
|--|------------------------------------|------|
| Injury and Illness Rate – Beyond First Aid (Amgen Staff <sup>(3)</sup> ) | Incidents per 100 Workers          | 0.19 |
| Lost Day Case rate (Amgen Staff <sup>(3)</sup> )                         | Incidents per 100 Workers          | 0.09 |
| Lost-Time Injury Frequency Rate (Amgen Staff <sup>(3)</sup> )            | Lost Day Cases per 1,000,000 hours | 0.43 |
| Fatalities (Amgen Staff <sup>(3)</sup> )                                 | Number                             | 0    |
| Injury and Illness Rate – Beyond First Aid (Contractors)                 | Incidents per 100 contractors      | 0.62 |
| Lost Day Case rate (Contractors)   | Incidents per 100 contractors      | 0.25 |
| Lost-Time Injury Frequency Rate (Contractors)                            | Lost Day Cases per 1,000,000 hours | 1.27 |
| Fatalities (Contractors)   | Number                             | 0    |
| Environmental Notices of Violation (NOVs)                                | Number                             | 3    |

<sup>(1)</sup> Unit abbreviations:

GJ= gigajoules

MT CO<sub>2</sub>Eq = metric tons of carbon dioxide equivalents

CM = cubic meters

MT = metric tons

<sup>(2)</sup> Numbers in this table have been rounded

<sup>(3)</sup> Amgen staff includes Amgen employees and contingent workers that are directly supervised by Amgen