

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

Amgen is committed to unlocking the potential of biology for patients suffering from serious illnesses by discovering, developing, manufacturing and delivering innovative human therapeutics. This approach begins by using tools like advanced human genetics to unravel the complexities of disease and understand the fundamentals of human biology.

Our belief—and the core of our strategy—is that innovative, highly differentiated medicines that provide large clinical benefits in addressing serious diseases are medicines that will not only help patients, but also will help reduce the social and economic burden of disease in society today.

Amgen focuses on areas of high unmet medical need and leverages its expertise to strive for solutions that improve health outcomes and dramatically improve people's lives. A biotechnology innovator since 1980, Amgen has grown to be one of the world's leading independent biotechnology companies, has reached millions of patients around the world and is developing a pipeline of medicines with breakaway potential.

For more information, visit www.amgen.com and follow us on www.twitter.com/amgen/.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	January 1 2020	December 31 2020	No	<Not Applicable>

C0.3

(C0.3) Select the countries/areas for which you will be supplying data.

Algeria
Argentina
Australia
Austria
Belgium
Brazil
Bulgaria
Canada
China
Colombia
Croatia
Czechia
Denmark
Egypt
Finland
France
Germany
Greece
Hungary
Iceland
India
Ireland
Israel
Italy
Japan
Jordan
Lebanon
Lithuania
Malaysia
Mexico
Morocco
Netherlands
Norway
Philippines
Poland
Portugal
Puerto Rico
Republic of Korea
Romania
Russian Federation
Saudi Arabia
Singapore
Slovakia
Slovenia
South Africa
Spain
Sweden
Switzerland
Taiwan, Greater China
Thailand
Turkey
United Arab Emirates
United Kingdom of Great Britain and Northern Ireland
United States of America

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

USD

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Operational control

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes

C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual(s)	Please explain
Board-level committee	The Corporate Responsibility and Compliance Committee of Amgen's Board of Directors oversees Amgen's Environmental, Social and Governance (ESG) activities and receives briefings on the company's environmental sustainability plan and activities. Chief Executive Officer direct reports have overall responsibility for review of company activities related to climate change.
Chief Executive Officer (CEO)	Climate and environmental sustainability related issues are reviewed with Amgen's Chief Executive Officer (CEO) and CEO's direct reports

C1.1b

(C1.1b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Scheduled – all meetings	<ul style="list-style-type: none"> Reviewing and guiding strategy Reviewing and guiding major plans of action Monitoring implementation and performance of objectives Monitoring and overseeing progress against goals and targets for addressing climate-related issues 	<Not Applicable >	The Corporate Responsibility and Compliance Committee of the Board of Directors conducts an annual review of the company's sustainability progress, plans and initiatives. This includes review of the progress towards meeting carbon emission reduction targets, as well as broader sustainability strategy, which includes the company's approach to climate change.
Scheduled – all meetings	<ul style="list-style-type: none"> Reviewing and guiding strategy Reviewing and guiding major plans of action Reviewing and guiding annual budgets Reviewing and guiding business plans Setting performance objectives Monitoring implementation and performance of objectives Overseeing major capital expenditures, acquisitions and divestitures Monitoring and overseeing progress against goals and targets for addressing climate-related issues 	<Not Applicable >	Amgen's Chief Executive Officer (CEO) and CEO direct reports monitor progress against goals and targets on a quarterly basis, provide guiding strategy and major plans of action

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Chief Executive Officer (CEO)	<Not Applicable >	Other, please specify (Lead for our Carbon Neutrality strategy)	<Not Applicable>	As important matters arise
Other committee, please specify (ESG Council) <i>Environmental, Social and Governance Council: Chaired by Senior Vice President of Corporate Affairs</i>	<Not Applicable >	Both assessing and managing climate-related risks and opportunities <i>The ESG Council brings together senior executives from various functions to discuss opportunities and initiatives in those areas most significant to Amgen. ESG Council meets every two months</i>	<Not Applicable>	More frequently than quarterly
Sustainability committee <i>Environmental Sustainability Initiative Steering Committee (ISC)</i>	<Not Applicable >	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Quarterly
Other, please specify (Vice President of Engineering)	<Not Applicable >	Both assessing and managing climate-related risks and opportunities <i>Amgen's Vice President of Engineering has overall responsibility for our environmental sustainability strategy</i>	<Not Applicable>	More frequently than quarterly
Other, please specify (Operations management review led by senior executive vice president of operations)	<Not Applicable >	Other, please specify (This team monitors progress toward the Environmental Sustainability (ES) Plan and external commitments, such as environmental targets, and makes decisions regarding the 2027 ES Plan.)	<Not Applicable>	Quarterly
Other, please specify (Manufacturing Leadership team led by senior executive vice president of manufacturing)	<Not Applicable >	Other, please specify (This team monitors progress toward the Environmental Sustainability (ES) Plan and external commitments, such as environmental targets, and makes decisions regarding the 2027 ES Plan.)	<Not Applicable>	Quarterly

C1.2a

(C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).

Chief Executive Officer and president: Lead of Amgen's 2027 Environmental Sustainability Plan responsible for assessing and approving our strategy

Environmental, Social and Governance Council: This council is composed of direct reports to the CEO. It receives an annual update on climate-related matters including carbon targets, year in review and ongoing progress with our Environmental Sustainability Plan and other matters. Decisions are made on policy changes and program enhancements as needed.

Sustainability Council (Amgen's Environmental Sustainability Initiative Steering Committee (ISC)): Includes representation by leaders from a wide cross section of company functions and provides guidance on the implementation of our environmental sustainability plan as well as areas of social responsibility.

Operations Management Review: Led by senior vice president of Operations, who reports directly to the CEO. This team meets quarterly.

Manufacturing Leadership Team: Led by senior vice president of Manufacturing, who reports directly to the senior vice president of Operations. This team meets quarterly.

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	Environmental, Social and Governance goals are part of our Global Management Incentive Program with award opportunities available to named executive officers

C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Entitled to incentive	Type of incentive	Activity incentivized	Comment
Corporate executive team	Monetary reward	Emissions reduction target Other (please specify) (Our Corporate Executive Team is incentivized on attainment of annual environmental sustainability targets (carbon reduction, waste reduction and water reduction))	Environmental, Social and Governance goals are part of our Global Management Incentive Program with award opportunities available to named executive officers
Business unit manager	Monetary reward	Emissions reduction project Other (please specify) (Business unit managers are incentivized on attainment of annual environmental sustainability targets (carbon reduction, waste reduction and water reduction))	Progress towards meeting our carbon emissions reduction target is tied to annual performance reviews and compensation for business unit managers who have this as part of their annual performance reviews and compensation.
All employees	Monetary reward	Emissions reduction project Energy reduction project Efficiency project	Amgen annually selects Operations in Excellence award recipients, which can include teams or individuals. Since 2006, this program has recognized projects representing exceptional efforts which resulted in a robust process to deliver tangible, recurring and sustainable benefits. This includes efforts to increase efficiency and to reduce energy use and carbon emissions.
All employees	Monetary reward	Emissions reduction project Energy reduction project Efficiency project Behavior change related indicator Environmental criteria included in purchases Supply chain engagement	Amgen annually recognizes Global Environmental Champions who demonstrate exceptional efforts in sustainability and environmental stewardship, which can include successful energy and carbon conservation initiatives. Recipients are nominated by peers and awards, both monetary and recognition, are given to teams and individuals.
Energy manager	Monetary reward	Energy reduction project Efficiency project	Amgen's energy management and efficiency improvement program incorporates industry best practices and shares successful projects across our network of international locations. Progress toward achieving energy efficiency projects is tied to Amgen's energy manager's annual performance review and compensation.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	7	The definition of short-, medium- and long-term depends upon the specifics of the technical topic or risk, operational initiative, or strategy being considered. For the purposes of this survey, we are using 0 to 7 years as "short-term" because that is the length of time for which we set sustainability performance targets.
Medium-term	7	14	For the purposes of this survey, we are defining "medium-term" as being 7 to 14 years, as this corresponds with the next upcoming performance period for sustainability targets.
Long-term	14	21	For the purposes of this survey, we are defining long term as 14 to 21 years, as this represents a time frame two planning cycles ahead of our current sustainability performance targets.

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

Amgen transforms new ideas and discoveries into medicines for patients with serious illnesses and our mission is to supply every patient, every time. To deliver on this mission we rely on functions working together to bring molecules from the R&D pipeline into process development then the manufacturing supply chain and to market where continued product safety and surveillance is done while ensuring value and access. Some risks that negatively impact our ability to perform these steps in our core business could be substantive.

Annually, functions are asked to perform a bottom-up exercise to identify the risks that could impede their key deliverables. Risks are evaluated based on the potential severity of impact in dollars and likelihood of occurrence. Risks above an identified impact threshold are aggregated across functions and consolidated into major themes. This roll-up constitutes the enterprise-wide risks that are mitigated and monitored to support our ability to continue to deliver on our mission.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered

- Direct operations
- Upstream
- Downstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

- Short-term
- Medium-term
- Long-term

Description of process

Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS) and at a site level within our operating sites. Various functions, including EHSS, with the operating sites make up a larger risk community within Amgen that elevates enterprise level risks to the Amgen Enterprise Risk Management (ERM) process. Enterprise level risks are compared cross-functionally and organized into an executive level profile for reporting purposes.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	We review and assess relevant existing greenhouse gas regulations to ensure we have strategies to meet operational and regulatory needs. Amgen's facilities in California require increased reporting and inspection of equipment containing ozone depleting substances in accordance with Assembly Bill No.32.
Emerging regulation	Relevant, always included	New and proposed regulations regarding carbon emissions are monitored on a company-wide basis. Assessments are made for proposed regulations that could impact the company and/or specific facilities.
Technology	Relevant, always included	Risks associated with technological improvements or innovations that support the transition to a lower-carbon, energy-efficient economic system have not historically presented a risk to Amgen operations. Low carbon and emission-control technologies, as well as advancements in software development and data analytics, can improve the efficiency of our business. These technologies may require additional capital and operating expense but are expected to improve the resiliency of our facilities.
Legal	Relevant, always included	Potential for climate-related litigation claims are considered in our risk assessments and our acquisition process. Historically, Amgen has not been subject to climate related litigation.
Market	Relevant, always included	We conduct facility-based evaluations of water availability, energy supply and integration of renewable energy, electrification technology, alternative cleaner fuels, and carbon offsets where, direct carbon reductions are not feasible.
Reputation	Relevant, always included	Lack of alignment with stakeholder expectations could have an impact on reputation, which can influence staff attraction and retention. Additionally, our investors are interested in best Environment, Social, and Governance practices, including carbon neutrality.
Acute physical	Relevant, always included	Identification and characterization of risks from extreme weather events are assessed in our global operations.
Chronic physical	Relevant, always included	Water is a necessary resource to our manufacturing process and other operations. Climate change could impact the availability of potable water. We evaluate local water issues and conditions at our facilities and continue to make progress on water in-take reduction targets. Contributing to our water conservation, our facility in Juncos, Puerto Rico currently reuses a majority of the treated wastewater it generates.

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Acute physical	Increased severity and frequency of extreme weather events such as cyclones and floods
----------------	--

Primary potential financial impact

Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

An increased severity and frequency of extreme weather events could affect our manufacturing sites, potentially causing reduction/disruption in production capacity. As an example, we currently perform commercial manufacturing activities at our facility in Juncos, Puerto Rico. In recent years, Puerto Rico has been affected by natural disasters, including droughts in mid-2020, earthquakes in early 2020 and Hurricane Maria in 2017. These natural disasters have affected, and may continue to affect, public and private properties and Puerto Rico's electric grid and communications networks in the future. While the critical manufacturing areas of our commercial manufacturing facility were not significantly affected by these natural disasters, the restoration of electrical service on the island after Hurricane Maria was a slow process, and our facility operated with electrical power from backup diesel powered generators for some time. We also operated on backup generators for a few weeks after the early 2020 earthquakes in Puerto Rico. Further instability of the electric grid could require us to increase the use of our generators or to continue using them exclusively. Material risks, including any related to climate, are discussed in our 10-K, which can be found at: <https://investors.amgen.com/sec-filings/sec-filing/10-k/0000318154-21-000010>

Time horizon

Short-term

Likelihood

About as likely as not

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Financial impact figures are considered confidential at this time.

Cost of response to risk

Description of response and explanation of cost calculation

Cost of response to risk is considered confidential at this time.

Comment

Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS) and at a site level within our operating sites. Various functions, including EHSS, with the operating sites make up a larger risk community within Amgen that elevates enterprise level risks to the Amgen Enterprise Risk Management (ERM) process. Enterprise level risks are compared cross- functionally and organized into an executive level profile for reporting purposes.

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Acute physical	Increased likelihood and severity of wildfires
----------------	--

Primary potential financial impact

Increased capital expenditures

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Amgen operates key R&D, manufacturing and product warehouse operations in a region prone to seasonal wildfire risk. Temperature increases and lack of rainfall exacerbate drought conditions that extend the wildfire season thus increasing likelihood and severity of a fire event. Past wildfire incidents have occurred in areas near our operations that have disrupted normal business operations

Time horizon

Short-term

Likelihood

About as likely as not

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Financial impact figures are considered confidential at this time.

Cost of response to risk

Description of response and explanation of cost calculation

Cost of response to risk is considered confidential at this time.

Comment

Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS) and at a site level within our operating sites. Various functions, including EHSS, with the operating sites make up a larger risk community within Amgen that elevates enterprise level risks to the Amgen Enterprise Risk Management (ERM) process. Enterprise level risks are compared cross- functionally and organized into an executive level profile for reporting purposes.

Identifier

Risk 3

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Acute physical	Other, please specify (Emerging health incidents leads to increased staff absences and potentially disrupts normal operation)
----------------	---

Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Emerging health incidents, such as from vector-borne diseases, could lead to an increase in staff absences and potentially disrupt normal operation. An increase in staff absences would result in an increase in operating expense due to overtime pay, temporary worker hires, and training. Vector-borne diseases, such as Dengue fever, West Nile virus, Zika virus, Lyme Disease, and Eastern equine encephalitis, are transmitted by vectors (e.g., mosquitoes, ticks). Temperature increases can extend habitable conditions for vectors into more global regions or extend the habitable season for vectors; increasing the exposure to humans of vector-borne diseases. Amgen operates two key manufacturing facilities in tropical regions with additional facilities in temperate zones that could see an increase in staff exposure to vector-borne diseases.

Time horizon

Short-term

Likelihood

Unlikely

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)**Potential financial impact figure – maximum (currency)****Explanation of financial impact figure**

Financial impact figures are considered confidential at this time.

Cost of response to risk**Description of response and explanation of cost calculation**

Cost of response to risk is considered confidential at this time.

Comment

Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS) and at a site level within our operating sites. Various functions, including EHSS, with the operating sites make up a larger risk community within Amgen that elevates enterprise level risks to the Amgen Enterprise Risk Management (ERM) process. Enterprise level risks are compared cross-functionally and organized into an executive level profile for reporting purposes.

Identifier

Risk 4

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Chronic physical	Changes in precipitation patterns and extreme variability in weather patterns
------------------	---

Primary potential financial impact

Please select

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Amgen determines water-related risks by assessing the availability of sufficient water supply and water quality necessary to support our long-term direct business operations and the beneficial uses of the watersheds in which we operate. Amgen utilizes water risk assessment tools including World Resources Institute (WRI) Aqueduct and World Wildlife Fund (WWF) Water Risk Filter to assess and prioritize water-related risks. We communicate expectations to our key suppliers' water risks through our Supplier Code of Conduct, and engagement through our relationship with our 3rd party supplier engagement service. On an annual basis we identify and assess water-related risks to our operations such as droughts and impacts to water quality. Identified risks are evaluated based on their potential for financial and operational impact, their probability and the expected time horizon and compared cross-functionally through Amgen's Enterprise Risk Management process. The impact severity can be inferred from the estimation of magnitude, frequency and duration of adverse events. The estimated impact of each risk drives corresponding action which may include risk management activities ranging from water infrastructure efficiency initiatives, water supply monitoring, and water conserving operational controls. As appropriate, water-related risks and their financial or operational impact are included in our annual 10K statement.

Time horizon

Medium-term

Likelihood

About as likely as not

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Financial impact figures are considered confidential at this time.

Cost of response to risk

Description of response and explanation of cost calculation

Cost of response to risk is considered confidential at this time.

Comment

Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS) and at a site level within our operating sites. Various functions, including EHSS, with the operating sites make up a larger risk community within Amgen that elevates enterprise level risks to the Amgen Enterprise Risk Management (ERM) process. Enterprise level risks are compared cross-functionally and organized into an executive level profile for reporting purposes.

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Opp1

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Move to more efficient buildings

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

Amgen is a science-focused, data-driven company. We're a pioneer in our industry in the use of a sophisticated data collection and monitoring platform to assess performance of the utilities that consume the most power in our buildings. Through this platform, we collect hundreds of thousands of data points from utilities such as heating, ventilation and air conditioning at six of our biggest sites and process that data through software that looks for inconsistencies in performance compared with optimal operation. This increased level of detail gives energy managers the insight to identify opportunities to fix or improve systems and realize energy and financial savings.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

300000

Potential financial impact figure – maximum (currency)

400000

Explanation of financial impact figure

In 2020, Amgen's data collection and monitoring platform identified opportunities to reduce electricity, diesel and natural gas consumption resulting in approximately \$340,000 saved in operating costs.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

The financial impact figure above is for reporting year 2020, only. Amgen continues to develop this opportunity. The following is our strategy to realize the opportunity. Amgen implemented a data analytics program that utilizes data from existing automation and monitoring systems, performs a series of diagnostics and analytics and then delivers a prioritized list of opportunities for improvement in energy, water and overall operational efficiency. The goal of this program is to detect and eliminate energy waste within Amgen systems. To develop this program, we implemented an information system (IS) architecture to support the extraction of data from multiple automation systems and export to an enterprise level "data lake", from where data are made available for monitoring and analysis. To assist in analyzing and prioritizing opportunities, we worked with an application developer to generate multiple analytical and diagnostic tools for use on common assets that use significant energy. We have also worked

with the software developer to generate performance indicators, and dashboards that allow monitoring and analysis of systems and buildings in a matrix fashion (i.e. system-to-system across facilities and sites, and building-to-building) To assist site engineering teams to achieve the maximum results possible, we have implemented a remote monitoring center, which bridges the area between the diagnostic and analysis software service and the site facilities and engineering teams. The staff in the monitoring center evaluate opportunities and system performance through the monitoring and diagnostic software service, and also through remote access to site automation systems such as the building management systems. The monitoring center staff also provide energy and engineering services such as opportunity identification, prioritization of opportunities, development of "user ready" information for direct integration into the maintenance management system, and measurement and verification (M&V) services for both prioritization and post completion recording of benefits.

Comment**Identifier**

Opp2

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of more efficient production and distribution processes

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

Amgen has created a streamlined, flexible and more economical plant for biomanufacturing that is also considerably greener when compared with a conventional plant. This innovative approach reduces facility energy consumption by greater than 70%. We pioneered this approach with our next-generation biomanufacturing plant in Singapore, and based on the success of this plant, we have completed construction in Rhode Island of another new next-generation biomanufacturing plant using these proven next-generation biomanufacturing capabilities and approach for more efficient, economical and green biomanufacturing.

Time horizon

Medium-term

Likelihood

Virtually certain

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

We currently consider the potential financial impact confidential. Savings from the new optimized manufacturing facility are realized from reductions in constructions cost, reductions in energy and water consumption and reductions in staffing levels to operate the facility.

Cost to realize opportunity**Strategy to realize opportunity and explanation of cost calculation**

Identification, development and validation of a biomanufacturing facility is an extensive multi-year process with dependency on production volume and sales forecasts. We currently consider the cost to realize this opportunity confidential.

Comment**Identifier**

Opp3

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resilience

Primary climate-related opportunity driver

Participation in renewable energy programs and adoption of energy-efficiency measures

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

Our facility in San Francisco participates in a renewable energy collaborative and receives 95% greenhouse gas free electricity.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

48500

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

According to our renewable energy collaborative, electricity generation cost is 5% less than Amgen's previous provider.

Cost to realize opportunity

0

Strategy to realize opportunity and explanation of cost calculation

Amgen opted-in to the renewable energy collaborative. Cost to manage the contract change was internalized as part of normal business operations.

Comment

Identifier

Opp4

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of more efficient production and distribution processes

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

Through green chemistry practices we successfully eliminated one of five manufacturing steps and significantly optimized the remaining four. These improvements achieved a 71 percent reduction in solvent use during the development life cycle, a five-fold increase in throughput, and an estimated 40 percent reduction in operating time.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Financial impact results from reduced solvent use and management cost. In addition, the opportunity results in reduced operating time.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

We have steadily built a culture of Green Chemistry that improves the efficiency of our research and development and manufacturing practices, improving safety, saving money and lessening our impact on the environment.

Comment

C3. Business Strategy

C3.1

(C3.1) Have climate-related risks and opportunities influenced your organization's strategy and/or financial planning?

Yes

C3.1b

(C3.1b) Does your organization intend to publish a low-carbon transition plan in the next two years?

	Intention to publish a low-carbon transition plan	Intention to include the transition plan as a scheduled resolution item at Annual General Meetings (AGMs)	Comment
Row 1	No, we do not intend to publish a low-carbon transition plan in the next two years	<Not Applicable>	Amgen recently announced the launch of our new environmental sustainability plan to achieve carbon neutrality by year-end 2027. Currently, our plan targets Scope 1 and Scope 2 emissions, only.

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

No, but we anticipate using qualitative and/or quantitative analysis in the next two years

C3.2b

(C3.2b) Why does your organization not use climate-related scenario analysis to inform its strategy?

Amgen currently employs a robust enterprise risk management process to assess physical and transitional risks and opportunities associated with climate change. In the next two year we anticipate the formal use of scenario analysis to enhance our understanding of transitional risk and inform our business strategy.

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	The reduced environmental impact from our next-generation biomanufacturing facility in Singapore has influenced our decision to construct future next-generation biomanufacturing facilities in the United States of America. Amgen's pioneering next-generation biomanufacturing plant in Singapore has a modular, flexible design that fits in a smaller footprint than a conventional plant resulting in a significant reduction in energy consumption. Amgen recently completed construction of our second next-generation biomanufacturing facility in Rhode Island, USA.
Supply chain and/or value chain	Evaluation in progress	We assess some of our strategic suppliers with regards to their climate-related risks.
Investment in R&D	Yes	The United States Environmental Protection Agency honored Amgen with a Green Chemistry Challenge Award for the green chemistry practices, developed in partnership with Bachem, associated with the development and manufacture of Parsabiv™ (etelcalcetide). Through green chemistry practices we successfully eliminated one of five manufacturing steps and significantly optimized the remaining four. These improvements achieved a 71 percent reduction in solvent use during the development life-cycle, a five-fold increase in throughput, and an estimated 40 percent reduction in operating time.
Operations	Yes	Climate-related impacts are factored into decisions about where to manufacture and store products. Risk of weather events, access to clean, potable water and risk of wildfires are some of the climate-related risks we evaluate when considering where to manufacture our products, or where and how much to store our products in a given region.

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Direct costs Indirect costs Capital expenditures	Risk of weather events, access to clean, potable water and risk of wildfires are some of the climate-related risks we evaluate when considering where to manufacture our products, or where and how much to store our products in a given region. Risks associated with these climate-related events will influence financial planning on capital expenditures and direct costs of manufacturing our products, which in turn will impact indirect costs.

C3.4a

(C3.4a) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

Amgen has a comprehensive carbon reduction strategy that focuses on:

1. Eliminating energy use,
2. Increasing energy efficiency of products, processes, facilities and transport, and
3. Increasing the proportion of renewable and alternative energy used.

Our objective is to achieve the maximum reduction of carbon for financial investment.

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

Absolute target

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number

Abs 1

Year target was set

2020

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 1+2 (market-based)

Base year

2019

Covered emissions in base year (metric tons CO₂e)

296314

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)

100

Target year

2027

Targeted reduction from base year (%)

100

Covered emissions in target year (metric tons CO₂e) [auto-calculated]

0

Covered emissions in reporting year (metric tons CO₂e)

274993

% of target achieved [auto-calculated]

7.19540757439743

Target status in reporting year

Underway

Is this a science-based target?

Yes, we consider this a science-based target, but it has not been approved by the Science-Based Targets initiative

Target ambition

1.5°C aligned

Please explain (including target coverage)

In 2020 we initiated our third multi-year environmental sustainability plan with the aspiration to achieve carbon neutrality by year end 2027. Our carbon neutrality encompasses 100 percent of Amgen's Scope 1 and Scope 2 (market-based) emissions. This includes emissions from our sales fleet; fugitive emissions from purchased and generated carbon dioxide and refrigerant losses; executive travel; and from energy usage in our operations. For energy use in our operations, we track invoiced energy usage from 88 percent of our worldwide facility space, based on total square feet and calculate emissions from fuel and supplied electricity emission factors. Energy and carbon data for the remaining 12 percent of facility space is estimated based on building energy intensity factors and country specific emission factors. This includes leased buildings where we have operational control over building infrastructure, including utilities.

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?

Other climate-related target(s)

C4.2b

(C4.2b) Provide details of any other climate-related targets, including methane reduction targets.

Target reference number

Oth 1

Year target was set

2020

Target coverage

Business activity

Target type: absolute or intensity

Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Low-carbon vehicles	Percentage of battery electric vehicles in company fleet
---------------------	--

Target denominator (intensity targets only)

<Not Applicable>

Base year

2019

Figure or percentage in base year

0

Target year

2027

Figure or percentage in target year

30

Figure or percentage in reporting year

0

% of target achieved [auto-calculated]

0

Target status in reporting year

Underway

Is this target part of an emissions target?

Yes, this target is part of our overall carbon neutrality target for year-end 2027. Our target of 30% vehicle electrification will reduce Scope 1 emissions resulting from combustion of fuel in internal combustion engine vehicles.

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain (including target coverage)

This target is part of our overall carbon neutrality target for year-end 2027. Coverage includes vehicles in our sales fleet.

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Yes

C4.3a

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	6	
To be implemented*	29	248000
Implementation commenced*	9	65000
Implemented*	12	5900
Not to be implemented	4	

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Low-carbon energy consumption	Low-carbon electricity mix
-------------------------------	----------------------------

Estimated annual CO2e savings (metric tonnes CO2e)
4300

Scope(s)
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
0

Investment required (unit currency – as specified in C0.4)
20000

Payback period
No payback

Estimated lifetime of the initiative
Ongoing

Comment
Purchase of solar and biomass tradeable instruments of global renewables (TIGRs)

Initiative category & Initiative type

Energy efficiency in buildings	Building Energy Management Systems (BEMS)
--------------------------------	---

Estimated annual CO2e savings (metric tonnes CO2e)
1600

Scope(s)
Scope 1
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
472000

Investment required (unit currency – as specified in C0.4)
0

Payback period
1-3 years

Estimated lifetime of the initiative
3-5 years

Comment
Investment required is a combination of capital, project and site expense. Projects often have a multifaceted benefit and we do not track a specific investment figure that is directly related to the estimated annual CO2e emissions reduction identified above. Internal projects have a targeted payback period of 5 years or less

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Dedicated budget for energy efficiency	Amgen has continued its energy and carbon dioxide emissions reduction capital program in 2020, similar to our programs in 2008 through 2019. This program funded improvements on selected facilities in the following categories: building HVAC equipment and distribution efficiency improvements; air change reductions in laboratories and manufacturing areas; and utility plant optimization projects. A particular focus of the program is the investment in cutting edge fault diagnostics in the areas of most significant energy use. This fault diagnostics software system ensures equipment operates at optimal efficiency at all times. In addition to the energy and carbon dioxide emissions reduction capital program, Amgen continues to implement other projects, programs and initiatives which contribute to our environmental sustainability targets. Examples of these include site level initiatives, operational improvement efforts, and staff awareness programs.
Employee engagement	Amgen sites have environmental sustainability teams that encourage awareness and action in the areas of energy efficiency and reduction. Annual Earth Day and Energy Fairs help to make staff aware of actions they can take at home and at work for energy conservation and GHG reductions. Staff that are involved in projects and initiatives that reduce energy and GHG emissions can be recognized through internal recognition programs such as the Excellence in Operations awards and the Global Environmental Champion contest.

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products or do they enable a third party to avoid GHG emissions?

No

C5. Emissions methodology

C5.1

(C5.1) Provide your base year and base year emissions (Scopes 1 and 2).

Scope 1

Base year start

January 1 2019

Base year end

December 31 2019

Base year emissions (metric tons CO₂e)

135954

Comment

Scope 1 emissions in base year are comprised of emissions from fuel combustion in onsite equipment, sales fleet vehicles and from executive air travel. Scope 1 emissions also incorporate fugitive emissions, such as from refrigerant losses and purchased/generated carbon dioxide

Scope 2 (location-based)

Base year start

January 1 2019

Base year end

December 31 2019

Base year emissions (metric tons CO₂e)

173922

Comment

Scope 2 location-based emissions in base year are calculated using the average emissions intensity of grids on which our energy (purchased electricity and steam) occurred.

Scope 2 (market-based)

Base year start

January 1 2019

Base year end

December 31 2019

Base year emissions (metric tons CO₂e)

160360

Comment

Scope 2 market-based emissions in base year are calculated using supplier provided emission factors for purchased electricity and steam. In the absence of supplier provided emission factors, residual mix or location-based emission factors are used to calculate Scope 2 market-based emissions.

C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Defra Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance, 2019

IEA CO₂ Emissions from Fuel Combustion

The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

The Greenhouse Gas Protocol: Scope 2 Guidance

US EPA Center for Corporate Climate Leadership: Direct Emissions from Stationary Combustion Sources

US EPA Center for Corporate Climate Leadership: Direct Emissions from Mobile Combustion Sources

US EPA Emissions & Generation Resource Integrated Database (eGRID)

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
138957

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

Scope 1 emissions in the reporting year are comprised of emissions from fuel combustion in onsite equipment, sales fleet vehicles and from executive air travel. Scope 1 emissions also incorporate fugitive emissions, such as from refrigerant losses and purchased/generated carbon dioxide.

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are reporting a Scope 2, location-based figure

Scope 2, market-based
We are reporting a Scope 2, market-based figure

Comment

We are reporting a location-based and market-based figure for CDP. Scope 2 emissions reported on Amgen.com are market-based.
<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data/>

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
138529

Scope 2, market-based (if applicable)
136036

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

Scope 2 emissions in reporting year are comprised of emissions from purchased electricity and steam

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?

No

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status

Not relevant, calculated

Metric tonnes CO2e

2316146

Emissions calculation methodology

Estimate generated using the Greenhouse Gas Protocol/Quantis Scope 3 Evaluator.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

Please explain

We used our spend data to determine emissions related to purchased goods and services using the Greenhouse Gas Protocol: Quantis Scope 3 Evaluator.

Capital goods

Evaluation status

Relevant, calculated

Metric tonnes CO2e

210000

Emissions calculation methodology

Estimate generated using the Greenhouse Gas Protocol/Quantis Scope 3 Evaluator.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

Please explain

We used our spend data to determine emissions related to capital goods using the Greenhouse Gas Protocol: Quantis Scope 3 Evaluator.

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status

Relevant, calculated

Metric tonnes CO2e

44784

Emissions calculation methodology

DEFRA well-to-tank and transmission and distribution emission factors applied to fuel and energy usage

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain

Facility fuel, electricity and steam consumption is obtained from suppliers. Fleet fuel consumption is obtained from pump purchases. For some international fleets, fuel usage is extrapolated based on known information. We then apply DEFRA well-to-tank and transmission and distribution emission factors to fuel and energy usage to determine Scope 3 emissions from Fuel-and-Energy-related activities

Upstream transportation and distribution

Evaluation status

Relevant, calculated

Metric tonnes CO2e

21011

Emissions calculation methodology

Scope 3 emissions from transportation of materials have been provided by our transporters based on their proprietary method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain

We request supplier (transporter) specific information related to the transport of Amgen materials. Approximately 50 percent of emissions data reported was provided by our suppliers or value chain partners. The remaining 50 percent was calculated using activity data estimates.

Waste generated in operations

Evaluation status

Relevant, calculated

Metric tonnes CO2e

7559

Emissions calculation methodology

DEFRA - Waste Disposal emission factors

Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

Please explain

Amgen uses data obtained from vendors on the amount of waste generated at Amgen to calculate carbon from waste generated in operations

Business travel

Evaluation status

Relevant, calculated

Metric tonnes CO2e

13004

Emissions calculation methodology

Emissions are calculated by Amgen's contracted travel management company using guidelines produced by DEFRA's GHG Conversion Factors. This method evaluates flights based on airport locations and calculates emissions based upon the actual distance flown. The following criteria are used to determine the factors used in the calculation: Total distance of a flight segment, based on origin and destination airports and class of flights (e.g., economy, premium economy, business)

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain

All emissions reported are provided by Amgen's contracted travel management company. In 2020, emissions from business travel decreased as a result of travel restrictions due to the COVID-19 pandemic.

Employee commuting

Evaluation status

Relevant, calculated

Metric tonnes CO2e

14168

Emissions calculation methodology

Carbon emissions from employee commuting are calculated using emissions factors from the Global Fuel Economy Initiative (GFEI) and multiplied by staff days worked and the distance driven (national daily averages). Included in this category are emissions resulting from remote workers (i.e., teleworking).

Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

Please explain

Days worked by staff is determined using internal systems; not provided by a supplier or value chain partner. In 2020, emissions from employee commuting decreased as a result of restrictions due to the COVID-19 pandemic.

Upstream leased assets

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

A majority of emissions from upstream leased assets are included in our Scope 1 and Scope 2 data. Emissions from operation of upstream leases assets, not included in our Scope 1 and Scope 2 emissions, are determined to be <0.1% of our total CO2e emissions and are considered immaterial.

Downstream transportation and distribution

Evaluation status

Relevant, calculated

Metric tonnes CO2e

134276

Emissions calculation methodology

We analyzed our product distribution and determined downstream transportation emissions by estimating in-country miles traveled, truck utilization and fuel efficiency and then applied U.S. EPA Center For Corporate Climate Leadership Emission Factors for Greenhouse Gas Inventories (March 26 2020) emission factors for fuel consumption. Emissions from the storage of products were determined based on information from owned-distribution centers and then estimating proportional emission from storage of products in downstream distribution centers, pharmacies, hospitals, clinics, and nursing homes. In addition, we estimated the distance traveled by patients to and from pharmacies, hospitals and clinics based on units of product sold to determine emissions from patient travel.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

Please explain

Internal data and estimates used to determine emissions from downstream transportation and distribution.

Processing of sold products

Evaluation status

Not relevant, explanation provided

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Amgen products are typically not sold as an intermediate products. Additional processing is not required for our sold products.

Use of sold products

Evaluation status

Not relevant, explanation provided

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Emissions resulting from the use of our sold products is not a material source of greenhouse gas emissions.

End of life treatment of sold products

Evaluation status

Relevant, calculated

Metric tonnes CO₂e

208

Emissions calculation methodology

We retrieved the 2020 sales and delivery data for our operations globally, as well as the master packaging list in order to estimate total weight of our packaging material of our sold products. Packaging materials are conservatively assumed to be waste with the exception of a percentage of reusable shipment containers and pallets. DEFRA emission factors were used to calculate carbon dioxide emissions per metric ton of waste.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

Please explain

Emissions from the end of life treatment of sold products was determined using internal information and knowledge of our sold products.

Downstream leased assets

Evaluation status

Not relevant, explanation provided

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Emissions from assets owned by Amgen and leased to another entity are <0.1% of Amgen's total CO₂e emissions. Amgen does not typically own assets that are leased to another entity.

Franchises

Evaluation status

Not relevant, explanation provided

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Amgen does not operate franchises.

Investments

Evaluation status

Not relevant, calculated

Metric tonnes CO2e

1850

Emissions calculation methodology

Amgen has a 20.5% equity share in BeiGene . To calculate our scope 3 emissions from Investment, we assume responsibility of 20.5% of BieGene's Scope 1 and Scope 2 emissions (9,023.47 metric tons in reporting year 2019, latest available).

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain

Scope 1 and Scope 2 obtained from BeiGene, Ltd's 2019 Environmental, Social and Governance Report (page 10).

Other (upstream)

Evaluation status

Relevant, calculated

Metric tonnes CO2e

744

Emissions calculation methodology

In 2020 we recorded \$1,184 million USD from Other Revenues in our 10k report. Other Revenues consists primarily of royalty income and corporate partner revenues. Royalties from licensees are based on third-party sales of licensed products and are recorded when the related third-party product sale occurs. Royalty income is estimated based on historical and forecasted sales trends. Corporate partner revenues are composed mainly of license fees and milestones earned and our share of commercial profits generated from collaborations. We input this revenue stream into Greenhouse Gas Protocol: Quantis Scope 3 Evaluator to determine the carbon impact.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain

Other Revenue information is provided from third-party product sales and from our corporate partner revenues. The cumulative revenue stream that is reported in our 10k report is used to calculate the resulting emissions.

Other (downstream)

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

No Other (downstream) emissions identified in the reporting year.

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

No

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure

0.000108

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

274993

Metric denominator

unit total revenue

Metric denominator: Unit total

2542400000

Scope 2 figure used

Market-based

% change from previous year

15

Direction of change

Decreased

Reason for change

A 15 percent reduction in our intensity figure is the result of a 7 percent reduction in our Scope 1 and Scope 2 (market-based) emissions and a 9 percent increases in revenue from product sales

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Yes

C7.1a

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used greenhouse warming potential (GWP).

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	138609	IPCC Fifth Assessment Report (AR5 – 100 year)
CH4	109.528	IPCC Fifth Assessment Report (AR5 – 100 year)
N2O	238.204	IPCC Fifth Assessment Report (AR5 – 100 year)
HFCs	1776	IPCC Fifth Assessment Report (AR5 – 100 year)

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/region.

Country/Region	Scope 1 emissions (metric tons CO2e)
United States of America	41711
Puerto Rico	54848
Netherlands	409
United Kingdom of Great Britain and Northern Ireland	169
Ireland	4300
Turkey	4996
Brazil	308
Canada	946
Singapore	1254
Other, please specify (International Air Space)	1416
Other, please specify (Sales Fleet - International (excludes U.S.))	13378
Other, please specify (Sales Fleet - U.S.)	13266
Algeria	8
Argentina	43
Australia	37
Austria	26
Belgium	23
Bulgaria	14
China	175
Colombia	22
Croatia	6
Czechia	31
Denmark	83
Egypt	13
Finland	21
France	56
Germany	263
Greece	29
Hungary	19
Iceland	309
India	6
Israel	1
Italy	46
Japan	186
Jordan	5
Lebanon	16
Lithuania	7
Mexico	27
Morocco	7
Norway	20
Poland	44
Portugal	28
Romania	26
Russian Federation	37
Saudi Arabia	25
Slovakia	12
Slovenia	14
South Africa	18
Republic of Korea	40
Spain	41
Sweden	22
Switzerland	79
Taiwan, Greater China	25
Thailand	22
United Arab Emirates	22
Malaysia	1
Philippines	1
Greece	29

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

By facility

By activity

C7.3b

(C7.3b) Break down your total gross global Scope 1 emissions by business facility.

Facility	Scope 1 emissions (metric tons CO2e)	Latitude	Longitude
West Greenwich, Rhode Island	16584	41.657301	-71.569281
Cambridge, Massachusetts	57	42.366826	-71.089727
Thousand Oaks, California	21080	34.191608	-118.920062
Louisville, Kentucky	1231	38.20956	-85.533516
San Francisco, California	1874	37.663442	-122.392067
Juncos, Puerto Rico	54848	18.23702	-65.905113
Woburn, Massachusetts	627	42.50878	-71.13269
Dun Laoghaire, Ireland	4289	53.271119	-6.149951
Breda, Netherlands	409	51.588607	4.827929
Cambridge, United Kingdom	82	52.235541	0.142873
Uxbridge, United Kingdom	87	51.555846	-0.480252
Burnaby, British Columbia	829	49.255059	-122.931961
Sao Paulo, Brazil	308	-23.618546	-46.774746
Yenibosna, Turkey	4239	41.004486	28.821531
Sekerpinar, Turkey	710	40.853176	29.371495
Singapore, Singapore	1254	1.285921	103.626587
International air space	1416		
Sales Fleet - International (excludes U.S.)	13378		
Sales Fleet - U.S., only	13266		
Admin spaces	2388		

C7.3c

(C7.3c) Break down your total gross global Scope 1 emissions by business activity.

Activity	Scope 1 emissions (metric tons CO2e)
Natural gas used in boilers and furnaces	52658
Diesel used in boilers and generators	54416
Propane used in boilers	74
Jet fuel used for executive travel	1416
Gasoline used by Sales Fleet vehicles	14582
Diesel used by Sales Fleet vehicles	12062
Fugitive (refrigerant loss)	1776
CO2 emitted from manufacturing and wastewater treatment	1973

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/region.

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)
United States of America	53583	68423	242386	0
Puerto Rico	52034	52034	74341	0
Netherlands	2279	0	5456	5456
United Kingdom of Great Britain and Northern Ireland	390	49	1675	0
Canada <i>2,617 MWh is consumed at our facility in British Columbia with an emission factor of ~12 kg/MWh (CO2e)</i>	141	141	3442	0
Ireland	8465	17	25500	25500
Singapore	5821	80	14973	14865
Brazil	528	7	5289	5289
Turkey	10344	10344	22199	0
China	1785	1785	2899	2899
Algeria	20	20	39	0
Argentina	81	81	251	0
Australia	184	184	258	0
Austria	28	28	185	0
Belgium	33	33	164	0
Bulgaria	30	30	67	0
Colombia	25	25	156	0
Croatia	4	4	28	0
Czechia	74	74	149	0
Denmark	92	92	541	0
Egypt	30	30	62	0
Finland	12	12	100	0
France	22	22	398	0
Germany	718	718	1789	0
Greece	113	113	208	0
Hungary	24	24	93	0
Iceland	0	0	2173	2173
India	22	22	29	0
Israel	3	3	6	0
Italy	100	100	324	0
Japan	525	525	1046	0
Jordan	11	11	25	0
Lebanon	55	55	76	0
Lithuania	2	2	34	0
Mexico	86	86	188	0
Morocco	22	22	35	0
Norway	1	1	98	0
Poland	183	183	257	0
Portugal	41	41	137	0
Republic of Korea	53	53	282	0
Romania	42	42	127	0
Russian Federation	85	85	238	0
Saudi Arabia	63	63	121	0
Slovakia	10	10	60	0
Slovenia	17	17	66	0
South Africa	76	76	85	0
Spain	75	75	291	0
Sweden	2	2	153	0
Switzerland	15	15	554	0
Taiwan, Greater China	66	66	123	0
Thailand	51	51	106	0
United Arab Emirates	56	56	107	0
Malaysia	3	3	5	0
Philippines	3	3	5	0

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

- By facility
- By activity

C7.6b

(C7.6b) Break down your total gross global Scope 2 emissions by business facility.

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Cambridge, Massachusetts	9358	6190
Woburn, Massachusetts	701	1215
Thousand Oaks, California	25409	36454
San Francisco, California	2693	604
West Greenwich, Rhode Island	12041	20580
Louisville, Kentucky	2635	2635
Dun Laoghaire, Ireland	8448	0
Breda, Netherlands	2279	0
Cambridge, United Kingdom	183	23
Uxbridge, United Kingdom	207	26
Juncos, Puerto Rico	52034	52034
Burnaby, British Columbia	32	32
Sao Paulo, Brazil	528	7
Yenibosna, Turkey	9276	9276
Sekerpinar, Turkey	916	916
Singapore, Singapore	5783	38
Shanghai, China	1054	1054
Admin Spaces	4952	4952

C7.6c

(C7.6c) Break down your total gross global Scope 2 emissions by business activity.

Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Electricity used for lighting and power	132666	135891
Purchased steam used for heating and cooling	5863	144

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?
Decreased

C7.9a

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	4400	Decreased	1.5	Procurement of new energy attribute certificates
Other emissions reduction activities	1600	Decreased	0.6	Innovation and efficiency projects
Divestment	0	No change	0	No significant impacts on emissions from divestments
Acquisitions	0	No change	0	No significant impacts on emissions from acquisitions
Mergers	0	No change	0	No significant impacts on emissions from mergers
Change in output	14700	Decreased	5	Reduction in emissions from decreases in executive travel and decreases in sales fleet operations as a result of COVID-19. Additional reductions were offset by the inclusion of a new manufacturing building in Rhode Island, USA and output increases at other locations. NOTE: Production output not materially impacted by COVID-19
Change in methodology	2400	Decreased	0.8	Improvement in grid emission factors, primarily from the electricity grid in Puerto Rico
Change in boundary	0	No change	0	No significant impacts on emissions from changes in boundaries
Change in physical operating conditions	500	Increased	0.1	Increase in emissions from changes in physical operating conditions is a result of operation of our Co-generation facility and emergency generators in Puerto Rico.
Unidentified	1300	Increased	0.4	Increases not specifically accounted for in other categories
Other	0	No change	0	No other changes in emissions identified

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Market-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	Yes
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	Yes

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	HHV (higher heating value)	0	503308	503308
Consumption of purchased or acquired electricity	<Not Applicable>	187715	195723	383438
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	0	26014	26014
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	27	<Not Applicable>	27
Total energy consumption	<Not Applicable>	187742	725045	912787

C8.2b

(C8.2b) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Yes
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	Yes
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	Yes

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Fuels (excluding feedstocks)

Diesel

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

214822

MWh fuel consumed for self-generation of electricity

19142

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

54154

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

141526

Emission factor

10.21

Unit

lb CO2 per gallon

Emissions factor source

EPA Center for Corp Climate Leadership Emission Factors for Greenhouse Gas Inventories. CO2-equivalents for CH4 and N2O emissions are calculated using the emission factors in the U.S. EPA Emission Factors for Greenhouse gas Inventories and multiplying by their global warming potentials in the Intergovernmental Panel on Climate Change, Fifth Assessment

Comment

Ninety-nine per cent of our diesel usage is at our Puerto Rico facility, therefore, the higher heating value is selected

Fuels (excluding feedstocks)

Natural Gas

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

288137

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

14407

MWh fuel consumed for self-generation of steam

273730

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

53.06

Unit

kg CO2 per million Btu

Emissions factor source

EPA Center for Corp Climate Leadership Emission Factors for Greenhouse Gas Inventories. CO2-equivalents for CH4 and N2O emissions are calculated using the emission factors in the U.S. EPA Emission Factors for Greenhouse gas Inventories and multiplying by their global warming potentials in the Intergovernmental Panel on Climate Change, Fifth Assessment

Comment

A majority of natural gas consumption is at our north American facilities, therefore the higher heating value is used.

Fuels (excluding feedstocks)

Propane Liquid

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

348

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

348

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

5.72

Unit

kg CO2 per gallon

Emissions factor source

EPA Center for Corp Climate Leadership Emission Factors for Greenhouse Gas Inventories. CO2-equivalents for CH4 and N2O emissions are calculated using the emission factors in the U.S. EPA Emission Factors for Greenhouse gas Inventories and multiplying by their global warming potentials in the Intergovernmental Panel on Climate Change, Fifth Assessment

Comment

A majority of propane is used at our Puerto Rico facility, therefore the higher heating value is used

C8.2d

(C8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity	160363	160363	27	27
Heat	14407	14407	0	0
Steam	328216	328216	0	0
Cooling	0	0	0	0

C8.2e

(C8.2e) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero emission factor in the market-based Scope 2 figure reported in C6.3.

Sourcing method

Standard product offering by an energy supplier supported by energy attribute certificates

Low-carbon technology type

Other, please specify (Not specified on certificate)

Country/area of consumption of low-carbon electricity, heat, steam or cooling

Ireland

MWh consumed accounted for at a zero emission factor

25499

Comment

Green power purchased from our energy supplier at our Dun Laoghaire, Ireland facility

Sourcing method

Unbundled energy attribute certificates, other - please specify (TIGRs)

Low-carbon technology type

Other, please specify (Solar and Biomass)

Country/area of consumption of low-carbon electricity, heat, steam or cooling

Singapore

MWh consumed accounted for at a zero emission factor

14865

Comment

Solar and Biomass TIGRs

Sourcing method

Green electricity products (e.g. green tariffs) from an energy supplier, not supported by energy attribute certificates

Low-carbon technology type

Other, please specify (Not specified on certificate)

Country/area of consumption of low-carbon electricity, heat, steam or cooling

Netherlands

MWh consumed accounted for at a zero emission factor

5456

Comment

Guarantees of origin referenced on certificate

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	Third-party verification or assurance process in place

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Amgen EHS Assurance Statement 2020 final.pdf

Page/ section reference

Page 4 of 5

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

97

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach

Scope 2 location-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Amgen EHS Assurance Statement 2020 final.pdf

Page/ section reference

Page 4 of 5

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 2 approach

Scope 2 market-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Amgen EHS Assurance Statement 2020 final.pdf

Page/ section reference

Page 4 of 5

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.1c

(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Scope 3 category

Scope 3 (upstream)

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Amgen EHS Assurance Statement 2020 final.pdf

Page/section reference

Page 4 of 5

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3 (downstream)

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Underway but not complete for current reporting year – first year it has taken place

Type of verification or assurance

Limited assurance

Attach the statement

Page/section reference

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

2

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?

Yes

C10.2a

(C10.2a) Which data points within your CDP disclosure have been verified, and which verification standards were used?

Disclosure module verification relates to	Data verified	Verification standard	Please explain
C8. Energy	Energy consumption	ISAE 3000	Energy Consumption: Total Combustion On-site (direct) and Total Purchased Energy (indirect)
C4. Targets and performance	Other, please specify (Water Intake)	ISAE 3000	Total Water Withdrawal

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

Yes

C11.1a

(C11.1a) Select the carbon pricing regulation(s) which impacts your operations.

BC carbon tax
California CaT - ETS
Ireland carbon tax
Other carbon tax, please specify (UK Climate Change Levy)

C11.1b

(C11.1b) Complete the following table for each of the emissions trading schemes you are regulated by.

California CaT

% of Scope 1 emissions covered by the ETS

0

% of Scope 2 emissions covered by the ETS

0

Period start date

January 1 2020

Period end date

December 31 2020

Allowances allocated

8768

Allowances purchased

0

Verified Scope 1 emissions in metric tons CO2e

20561

Verified Scope 2 emissions in metric tons CO2e

0

Details of ownership

Facilities we own and operate

Comment

Currently, Amgen's facility located in Thousand Oaks, California, is deemed a General Market Participant - Previously Covered under the California Air Resources Board (CARB) Cap-and-Trade Program. Please note that the reported allowances were allocated in the Year 2014 as compliance instruments and have not been sold or exchanged and hence, still remain in our active account balance. A General Market Participant is defined by the regulation as an organization which does not meet the requirements of a Covered Entity or an Opt-in Covered Entity and that intends to purchase, hold, sell, or voluntarily retire compliance instruments.

C11.1c

(C11.1c) Complete the following table for each of the tax systems you are regulated by.

BC carbon tax

Period start date

January 1 2020

Period end date

December 31 2020

% of total Scope 1 emissions covered by tax

0.5

Total cost of tax paid

20496.96

Comment

Carbon Tax applied to natural gas consumption at our Burnaby, British Columbia facility in Canada

Ireland carbon tax

Period start date

January 1 2020

Period end date

December 31 2020

% of total Scope 1 emissions covered by tax

2.95

Total cost of tax paid

100674.91

Comment

Carbon Tax applied to natural gas consumption at our Dun Laoghaire facility

Other carbon tax, please specify

Period start date

January 1 2020

Period end date

December 31 2020

% of total Scope 1 emissions covered by tax

0.12

Total cost of tax paid

3957.02

Comment

Climate Change Levy applied to natural gas consumption at our Uxbridge and Cambridge facilities in Great Britain

C11.1d

(C11.1d) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

Our strategy is to identify and implement energy reduction projects to improve efficiency and reduce cost.

C11.2

(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?

No

C11.3

(C11.3) Does your organization use an internal price on carbon?

Yes

C11.3a

(C11.3a) Provide details of how your organization uses an internal price on carbon.

Objective for implementing an internal carbon price

- Change internal behavior
- Drive energy efficiency
- Drive low-carbon investment
- Stress test investments

GHG Scope

- Scope 1
- Scope 2

Application

We apply a shadow internal price of carbon (IPoC) for project evaluation. Our Investment Lifecycle Management (ILM) group conducts monthly meetings with senior management to review projects and obtain funding approval for capital purchases. Capital projects seeking funding must include an environmental sustainability assessment in their funding deck. Part of the environmental sustainability assessment is to calculate anticipated carbon emissions and then apply our IPoC to evaluate the purchase of innovative and efficient equipment that support reductions in carbon

Actual price(s) used (Currency /metric ton)

1600

Variance of price(s) used

Uniform pricing: Our current approach is to apply a uniform price to all geographies, business units and types of decisions.

Type of internal carbon price

Shadow price

Impact & implication

We apply an internal price of carbon of \$1,600 USD per metric ton of CO₂e emissions to enhance the financial attractiveness of energy-efficient equipment and projects that might not otherwise had desirable returns on investment.

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?

Yes, our suppliers

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement

Compliance & onboarding

Details of engagement

Code of conduct featuring climate change KPIs

% of suppliers by number

100

% total procurement spend (direct and indirect)

100

% of supplier-related Scope 3 emissions as reported in C6.5

100

Rationale for the coverage of your engagement

Amgen's global network of suppliers is not only important to our ability to provide high-quality medicines reliably and efficiently, it also represents an opportunity to extend our ability to positively impact the communities and environments in which we operate. Recognizing the importance of our relationships with suppliers to achieve our mission, we have a Supplier Sustainability Program that is designed to monitor our suppliers' sustainability performance against a wide range of sustainability and Corporate Social Responsibility considerations, in such areas as business ethics, labor and human rights, and environmental impacts, as outlined in our Supplier Code of Conduct.

Impact of engagement, including measures of success

Amgen requires all suppliers to adhere to Amgen's supplier Code of Conduct. This requirement is incorporated into our sourcing and purchasing processes and onboarding of suppliers. Amgen's Supplier Code of Conduct states that suppliers shall reduce their environmental footprint through minimizing their use of natural resources and the environmental impact of their activities. In addition, suppliers shall comply with all applicable environmental regulations, laws, codes, and other governmental requirements and authorizations. Suppliers shall obtain and follow all associated operational and reporting requirements of required environmental permits, licenses, information registrations and restrictions.

Comment

Type of engagement

Information collection (understanding supplier behavior)

Details of engagement

Collect climate change and carbon information at least annually from suppliers

% of suppliers by number

1

% total procurement spend (direct and indirect)

65

% of supplier-related Scope 3 emissions as reported in C6.5

65

Rationale for the coverage of your engagement

As part of Amgen's commitment to sustainability, we expect our suppliers to conduct their business in alignment with our mission and values. Amgen's Supplier Sustainability Program is not only focused on suppliers' commitment to quality, cost and reliability but also on a wide range of sustainability and social responsibility considerations, such as business ethics, labor and human rights and environmental impacts in line with our Supplier Code of Conduct. Amgen, through a third-party service, annually assesses and monitors sustainability performance of key suppliers and continues to expand the program, reflecting our global growth. This annual assessment provides Amgen insights into our key suppliers' sustainability-related activities and facilitates a dialogue with key suppliers about opportunities to further enhance or focus their sustainability activities. This includes that they operate in an environmentally responsible and efficient manner to minimize adverse impacts on the environment. These key suppliers are encouraged to conserve natural resources, to engage in reuse and recycling programs, and where possible, to avoid the use of hazardous materials.

Impact of engagement, including measures of success

The Supplier Sustainability Performance Assessment, conducted by an independent third party, provides the basis for increased understanding of suppliers' performance across a wide range of issues, including management of carbon emissions, while ensuring that these key suppliers are aware of our performance expectations. In 2020, approximately 80% of our assessed suppliers demonstrated they are taking actions on energy consumption and greenhouse gas emissions. Amgen uses the results of the Assessment to facilitate a dialogue with these suppliers about areas where performance improvement should be focused with a long-term goal to improve their sustainability performance, including management of carbon and greenhouse gas emissions.

Comment

C12.3

(C12.3) Do you engage in activities that could either directly or indirectly influence public policy on climate-related issues through any of the following?

Trade associations

C12.3b

(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?

No

C12.3f

(C12.3f) What processes do you have in place to ensure that all of your direct and indirect activities that influence policy are consistent with your overall climate change strategy?

We have a 2027 Plan in place, which incorporates our overall goals and vision, that guides our efforts in Environmental Sustainability.

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Publication

In voluntary communications

Status

Complete

Attach the document

Amgen 2020 ESG Report.pdf

Page/Section reference

Pages 5-6 ,9, Environmental Sustainability Section (page 45 -54) Pages. 65, 67

Content elements

Governance
Strategy
Emissions figures
Emission targets
Other metrics

Comment

Attached is Amgen Environmental, Social, & Governance Report 2020

Publication

In mainstream reports

Status

Complete

Attach the document

Amgen_10K_20210209.pdf

Page/Section reference

Page 64 of 328

Content elements

Emission targets

Comment

Attached is Amgen's Form 10-k for the fiscal year ended December 31, 2020

Publication

In mainstream reports, in line with the CDSB framework (as amended to incorporate the TCFD recommendations)

Status

Complete

Attach the document

Amgen 2021_proxy_statement.pdf

Page/Section reference

Page 3, 36-37, 58

Content elements

Governance
Strategy
Emission targets
Other metrics
Other, please specify (ESGs integrated into annual cash incentive compensation plan)

Comment

Attached is Amge's Proxy Statement and Notice of Annual Meeting of Stockholders

C15. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

C15.1

(C15.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Director, Environment and Sustainability	Environment/Sustainability manager

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission
I am submitting my response	Investors	Public

Please confirm below

I have read and accept the applicable Terms