

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 2019	December 31 2019	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
Hungary
Iceland
India
Ireland
Israel
Italy
Japan
Jordan
Lebanon
Lithuania
Mexico
Morocco
Netherlands
Norway
Poland
Portugal
Puerto Rico
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 activities in the area of compliance 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 – some meetings	Reviewing and guiding strategy Reviewing and guiding major plans of action 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	Monitoring implementation and performance of objectives 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
Other committee, please specify (Compliance Committee. This committee consists of executive level staff.)	<Not Applicable >	Assessing climate-related risks and opportunities	<Not Applicable>	As important matters arise
Sustainability committee	<Not Applicable >	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	As important matters arise
Other, please specify (Senior Vice President, Quality)	<Not Applicable >	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually
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 2020 Environmental Sustainability (ES) Plan and external commitments, such as environmental targets, and makes decisions regarding the 2020 ES Plan.)	<Not Applicable>	As important matters arise
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 2020 Environmental Sustainability (ES) Plan and external commitments, such as environmental targets, and makes decisions regarding the 2020 ES Plan.)	<Not Applicable>	As important matters arise

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).

Compliance Committee: This committee 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 on the 2020 Environmental Sustainability Plan and other matters. Decisions are made on policy changes and program enhancements as needed.

Sustainability Council: 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.

Senior Vice President, Quality: Presents annually to the Corporate Responsibility and Compliance Committee of the board.

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	

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
Business unit manager	Monetary reward	Emissions reduction target Other (please specify) (Business unit managers are incentivized on attainment of annual environmental sustainability targets (carbon reduction, waste reduction and water reduction))	Amgen has set a 2020 target to reduce facility carbon emissions by 10% based on a 2012 baseline. Progress towards meeting our 2020 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 has continued to mature over the years as we incorporate industry best practices and share 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). Various functions, including EHSS, 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. In addition, our Thousand Oaks, California facility is registered as a voluntarily associated entity (VAE) as part of California Air Resources Board's Cap-and-Trade-Program. This facility is voluntary due to large reductions in its greenhouse gas emissions.
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	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	Legal evaluations are related to existing and emerging laws and regulations.
Market	Relevant, always included	We conduct facility-based evaluations of 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	Extreme weather events could affect our manufacturing sites, potentially causing reduction/disruption in production capacity. 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 approximately 55% 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
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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 2017, Puerto Rico was impacted by Hurricane Maria, which affected public and private properties and Puerto Rico's electric grid. While the critical manufacturing areas of our facility were not significantly affected, 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 until reliable service was restored to the electric grid. To assist with future electricity disruptions, in 2019 Amgen Puerto Rico installed a co-generation facility to reduce the need for operation of backup generators for electricity. Material risks, including any related to climate, are discussed in our 10-K, which can be found at: <http://investors.amgen.com/sec-filings/sec-filing/10-k/0000318154-20-000017>

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. Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS). Various functions, including EHSS, 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.

Comment

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
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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. Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS). Various functions, including EHSS, 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.

Comment

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)
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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

Exceptionally unlikely

Magnitude of impact

Unknown

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. Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS). Various functions, including EHSS, 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.

Comment

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
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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?

Please select

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. Environmental risks, including those potential risks from climate change, are considered at a functional level within Environment, Health, Safety, and Sustainability (EHSS). Various functions, including EHSS, 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.

Comment**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, right down to the way that we manage our facilities. 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 send 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)

800000

Potential financial impact figure – maximum (currency)

1200000

Explanation of financial impact figure

In 2019, Amgen's data collection and monitoring platform identified opportunities to reduce electricity, diesel and natural gas consumption resulting in approximately \$1 million 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 2019, only. Amgen continues to develop this opportunity. A cost to realize the opportunity is currently not available for public disclosure. 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 approximately 73%. We pioneered this approach with our next-generation biomanufacturing plant in Singapore, and based on the success of this plant, we have begun 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

Short-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. 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, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

30000

Potential financial impact figure – maximum (currency)

50000

Explanation of financial impact figure

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

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

C3.1a

(C3.1a) 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

C3.1c

(C3.1c) Why does your organization not use climate-related scenario analysis to inform its strategy?

Business strategy decisions regarding potential climate-related impacts have been considered along with the probabilities of specific climate-related events. However, in the next two year we anticipate the formal use of scenario analysis to inform our business strategy.

C3.1d

(C3.1d) 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 part, has influenced our decision to construct a second next-generation biomanufacturing facility. In 2017, the U.S. Food and Drug Administration licensed Amgen's pioneering next-generation biomanufacturing plant in Singapore for commercial production of biologic drug substance. The plant's modular, flexible design fits in a smaller footprint than a conventional plant and boasts more environmentally friendly technology. This plant supports the consistent supply of safe and effective medicines to patients who need them. In 2018, Amgen broke ground on our second such plant in Rhode Island.
Supply chain and/or value chain	Yes	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.

C3.1e

(C3.1e) 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.

C3.1f

(C3.1f) 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

2013

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 1+2 (location-based)

Base year

2012

Covered emissions in base year (metric tons CO₂e)

385000

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

94

Target year

2020

Targeted reduction from base year (%)

10

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

346500

Covered emissions in reporting year (metric tons CO₂e)

265588

% of target achieved [auto-calculated]

310.161038961039

Target status in reporting year

Achieved

Is this a science-based target?

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

Please explain (including target coverage)

We set a 2020 target to reduce carbon emissions from our facilities (on-site combustion (scope 1) and purchased energy (scope 2) by 10% of baseline year 2012. These sources accounted for 94% of our total Scope 1 and Scope 2 emissions in baseline year 2012. We have achieved our 2020 target ahead of schedule and we are currently in the process of setting our next iteration of carbon reduction targets. In the interim, we have set internal reduction targets to continue progress in reducing greenhouse gas emissions from our operations.

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

2013

Target coverage

Company-wide

Target type: absolute or intensity

Absolute

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

Resource consumption or efficiency	Other, please specify (Reduction in water intake (units = cubic meters))
------------------------------------	--

Target denominator (intensity targets only)

<Not Applicable>

Base year

2013

Figure or percentage in base year

2720000

Target year

2020

Figure or percentage in target year

2448000

Figure or percentage in reporting year

2146000

% of target achieved [auto-calculated]

211.029411764706

Target status in reporting year

Achieved

Is this target part of an emissions target?

This target is for a reduction in water intake

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain (including target coverage)

We set a 2020 target to reduce water intake from our facilities by 10% of baseline year 2012. Covered facilities account for 88% of our total square footage. We have achieved our 2020 target ahead of schedule and we are currently in the process of setting our next iteration of water reduction targets. In the interim, we have set internal reduction targets to continue progress in reducing water in-take in our operations.

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	3	
To be implemented*	3	5000
Implementation commenced*	2	10000
Implemented*	17	6333
Not to be implemented	1	

C4.3b

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

Initiative category & Initiative type

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

Estimated annual CO2e savings (metric tonnes CO2e)

4800

Scope(s)

Scope 1

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

1000000

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

Payback period

4-10 years

Estimated lifetime of the initiative

6-10 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.

Initiative category & Initiative type

Energy efficiency in buildings	Heating, Ventilation and Air Conditioning (HVAC)
--------------------------------	--

Estimated annual CO2e savings (metric tonnes CO2e)

200

Scope(s)

Scope 1

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

60000

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

20000

Payback period

4-10 years

Estimated lifetime of the initiative

6-10 years

Comment

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 2019, similar to our programs in 2008 through 2018. 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 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	Many 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 2012

Base year end

December 31 2012

Base year emissions (metric tons CO2e)

119968

Comment

Scope 1 carbon in baseline year is comprised of carbon from onsite combustion, U.S. sales fleet and executive air travel.

Scope 2 (location-based)

Base year start

January 1 2012

Base year end

December 31 2012

Base year emissions (metric tons CO2e)

286679

Comment

Scope 2 carbon in baseline year is comprised of carbon from purchased electricity and steam

Scope 2 (market-based)

Base year start

January 1 2012

Base year end

December 31 2012

Base year emissions (metric tons CO2e)**Comment**

We do not have Scope 2 market-based emissions calculated for our 2012 baseline year. This is not expected to vary greatly from our 2012 baseline Scope 2 location-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.

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 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)**

135954

Start date

<Not Applicable>

End date

<Not Applicable>

Comment

Scope 1 carbon in reporting year is comprised of carbon from onsite combustion, US sales fleet, executive air travel, and fugitive emissions. Fugitive emissions include fugitive refrigerant emissions and carbon dioxide emissions from use and generation in industrial processes and on-site wastewater treatment facilities.

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

173922

Scope 2, market-based (if applicable)

160360

Start date

<Not Applicable>

End date

<Not Applicable>

Comment

Scope 2 carbon in reporting year is comprised of carbon 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?

Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source

Facility owned vehicles

Relevance of Scope 1 emissions from this source

Emissions are not relevant

Relevance of location-based Scope 2 emissions from this source

Emissions are not relevant

Relevance of market-based Scope 2 emissions from this source (if applicable)

No emissions from this source

Explain why this source is excluded

Analysis of these sources (e.g., facility owned pick-up truck, propane powered forklifts, etc) showed they are less than 0.1 percent of the total carbon emissions when compared with other sources, such as energy use.

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

Relevant, calculated

Metric tonnes CO2e

2323917

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

258132

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

52554

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

22572

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

50

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

3454

Emissions calculation methodology

DEFRA - Waste Disposal emission factors

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

100

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

56478

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

Employee commuting

Evaluation status

Relevant, calculated

Metric tonnes CO2e

56210

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)

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

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

52991

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 (9 March 2018) 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 (<0.1%).

End of life treatment of sold products

Evaluation status

Relevant, calculated

Metric tonnes CO2e

3047

Emissions calculation methodology

We retrieved the 2019 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. Waste material fates are then assumed to be distributed equally (50/50) between incineration (without energy recovery) and landfill. DEFRA emission factors were used to calculate carbon dioxide emissions per metric tonne 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, 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

Not relevant in reporting year 2019. In 2019 we did not have greenhouse gas emissions associated with investments. NOTE: In 2019, Amgen announced intentions to obtain an 20.5% equity share in BeiGene Parent. Emissions resulting from this investment will be evaluated in subsequent years.

Other (upstream)

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 did not have "Other (upstream)" emissions in reporting year.

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

Amgen did not have "Other (downstream)" emissions in 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

0.0000133

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

296314

Metric denominator

unit total revenue

Metric denominator: Unit total

22204000000

Scope 2 figure used

Market-based

% change from previous year

6

Direction of change

Decreased

Reason for change

In a comparison of reporting year 2018 to reporting year 2019, Scope 1 and 2 emissions decreased because in the first quarter of 2018, Amgen's facility in Puerto Rico operated with electrical power from backup diesel powered generators, resulting in increased emissions. Generator usage was required while electrical service was restored to the island following Hurricane Maria.

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	134255	IPCC Fifth Assessment Report (AR5 – 100 year)
CH4	97	IPCC Fifth Assessment Report (AR5 – 100 year)
N2O	267	IPCC Fifth Assessment Report (AR5 – 100 year)
HFCs	1335	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	40321
Puerto Rico	37510
Netherlands	482
United Kingdom of Great Britain and Northern Ireland	115
Ireland	4201
Turkey	5148
Brazil	299
Canada	610
Singapore	1140
Other, please specify (International Air Space)	4352
Other, please specify (Sales Fleet - International (excludes U.S.))	20509
Other, please specify (Sales Fleet - U.S.)	19427
Algeria	8
Argentina	40
Australia	57
Austria	25
Belgium	24
Bulgaria	14
China	62
Colombia	22
Croatia	6
Czechia	31
Denmark	69
Egypt	13
Finland	21
France	56
Germany	263
Greece	19
Hungary	28
Iceland	316
India	8
Israel	1
Italy	46
Japan	183
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	21
Switzerland	79
Taiwan, Greater China	25
Thailand	22
United Arab Emirates	15

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	16509	41.657301	-71.569281
Cambridge, Massachusetts	42	42.366826	-71.089727
Thousand Oaks, California	19986	34.191608	-118.920062
Louisville, Kentucky	862	38.20956	-85.533516
San Francisco, California	1953	37.663442	-122.392067
Juncos, Puerto Rico	37510	18.23702	-65.905113
Woburn, Massachusetts	696	42.50878	-71.13269
Dun Laoghaire, Ireland	4190	53.271119	-6.149951
Breda, Netherlands	481	51.588607	4.827929
Cambridge, United Kingdom	46	52.235541	0.142873
Uxbridge, United Kingdom	68	51.555846	-0.480252
Burnaby, British Columbia	493	49.255059	-122.931961
Sao Paulo, Brazil	299	-23.618546	-46.774746
Yenibosna, Turkey	4406	41.004486	28.821531
Sekerpinar, Turkey	696	40.853176	29.371495
Singapore, Singapore	1118	1.285921	103.626587
International air space	4352		
Sales Fleet - International (excludes U.S.)	20509		
Sales Fleet - U.S., only	19427		
Admin spaces	2308		

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	51237
Diesel used in boilers and generators	37237
Propane used in boilers	72
Jet fuel used for executive travel	4352
Gasoline used by Sales Fleet vehicles	20774
Diesel used by Sales Fleet vehicles	19162
Fugitive (refrigerant loss)	1335
CO2 emitted from manufacturing and wastewater treatment	1784

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	56935	57385	212898	0
Puerto Rico	80811	80810	93854	0
Netherlands	2514	0	5733	5733
United Kingdom of Great Britain and Northern Ireland	510	285	1995	0
Canada	141	141	3353	0
Ireland	9800	20	25757	25757
Singapore	5957	4464	14965	3750
Brazil	560	560	4768	0
Turkey	10734	10734	23184	0
China	1244	1244	1575	0
Algeria	20	20	39	0
Argentina	83	83	235	0
Australia	299	299	401	0
Austria	28	28	174	0
Belgium	29	29	168	0
Bulgaria	34	34	67	0
Colombia	21	21	156	0
Croatia	6	6	27	0
Czechia	75	75	148	0
Denmark	187	187	1220	0
Egypt	28	28	62	0
Finland	11	11	100	0
France	28	28	398	0
Germany	1990	1990	4746	0
Greece	72	72	134	0
Hungary	36	36	135	0
Iceland	0	0	2733	2733
India	27	27	37	0
Israel	3	3	5	0
Italy	106	106	324	0
Japan	543	543	1038	0
Jordan	13	13	25	0
Lebanon	59	59	76	0
Lithuania	3	3	34	0
Mexico	90	90	188	0
Morocco	24	24	35	0
Norway	12	12	98	0
Poland	184	184	257	0
Portugal	50	50	137	0
Republic of Korea	61	61	282	0
Romania	44	44	127	0
Russian Federation	84	84	238	0
Saudi Arabia	86	86	121	0
Slovakia	10	10	60	0
Slovenia	17	17	66	0
South Africa	77	77	85	0
Spain	87	87	289	0
Sweden	2	2	147	0
Switzerland	16	16	554	0
Taiwan, Greater China	77	77	123	0
Thailand	50	50	106	0
United Arab Emirates	47	47	71	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	9919	5149
Woburn, Massachusetts	742	917
Thousand Oaks, California	27359	27359
San Francisco, California	3030	801
West Greenwich, Rhode Island	12297	19571
Louisville, Kentucky	2608	2608
Dun Laoghaire, Ireland	9780	0
Breda, Netherlands	2514	0
Cambridge, United Kingdom	212	119
Uxbridge, United Kingdom	298	167
Juncos, Puerto Rico	80811	80811
Burnaby, British Columbia	23	23
Sao Paulo, Brazil	560	560
Yenibosna, Turkey	9650	9650
Sekerpinar, Turkey	932	932
Singapore, Singapore	5914	4421
Shanghai, China	990	990
Admin Spaces	6283	6283

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	167635	159757
Purchased steam used for heating and cooling	6287	603

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	1481	Decreased	0.5	In 2019, Amgen's Singapore Manufacturing facility procured 3,750 MWh of solar energy, resulting in a decrease of 1,481 metric tons of CO2 emissions
Other emissions reduction activities	6475	Decreased	2.2	Fully implemented energy and carbon reduction projects in 2019 resulted in a decrease of 6,475 metric tons of CO2 emissions
Divestment	0	No change	0	There was no change in emissions as a result of divestment in 2019
Acquisitions	0	No change	0	There was no change in emissions as a result of acquisitions in 2019. On November 21, 2019 we acquired Otezla®. Carbon generation information from Otezla assets and operations were not included as they were not within our internal control for 2019.
Mergers	0	No change	0	There was no change in emissions as a result of mergers in 2019
Change in output	0	No change	0	There was no attributable change in emissions as a result of changes in output in 2019
Change in methodology	7232	Increased	2.4	In 2019, Amgen's three New England facilities received supplier specific emission factors for purchased electricity from their respective suppliers. Supplier specific emission factors were greater than the US EPA's eGRID factor for the New England Region, resulting in an increase of 7,232 metric tons of CO2.
Change in boundary	8591	Increased	2.9	In 2019, Amgen incorporated energy and carbon data for its Shanghai, China research and development facility. We currently collect detailed energy use information from 17 facilities, representing 88% of our total square footage. In 2019, we expanded our reporting on the remaining 12% of square footage. For these spaces, which are comprised mostly of small administrative office spaces through the world, we estimated the energy usage based on the size of the space and then calculated the carbon emissions based on fuel emission factors and county specific electricity-generation emission factors.
Change in physical operating conditions	16973	Decreased	5.7	In 2019, emissions from Amgen's facility in Puerto Rico decreased by 16,973 metric tons of CO2. A majority of this reduction is attributed to changes in energy use resulting from Hurricane Maria (i.e., in the first quarter of 2018, our facility in Puerto Rico was still generating electricity from diesel generators). In 2019, no significant use of these diesel generators was required.
Unidentified	12696	Decreased	4.3	Unidentified reductions from the accumulation of small discrete changes in efficiency improvements, outputs and operating conditions.
Other	0	No change	0	No change in emissions from 'other'

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?

More than 0% but less than or equal to 5%

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	428431	428431
Consumption of purchased or acquired electricity	<Not Applicable>	127736	258034	385770
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	0	26842	26842
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>	127763	713307	841070

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

148112

MWh fuel consumed for self-generation of electricity

5141

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

73088

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

69883

Emission factor

10.21

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

Approximately, diesel consumption is at our North American facilities, therefore the higher heating value is used.

Fuels (excluding feedstocks)

Natural Gas

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

280293

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

13770

MWh fuel consumed for self-generation of steam

266523

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

338

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

328

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	75037	75037	27	27
Heat	13770	13770	0	0
Steam	339624	339624	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

Green electricity products (e.g. green tariffs) from an energy supplier, supported by energy attribute certificates

Low-carbon technology type

Low-carbon energy mix

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

Ireland

MWh consumed accounted for at a zero emission factor

25757

Comment

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

Sourcing method

Green electricity products (e.g. green tariffs) from an energy supplier, supported by energy attribute certificates

Low-carbon technology type

Solar

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

Singapore

MWh consumed accounted for at a zero emission factor

3750

Comment

Solar photovoltaic renewable energy

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 in certificate)

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

Netherlands

MWh consumed accounted for at a zero emission factor

6200

Comment

Guarantees of origin

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 Data Assurance Statement 2019.pdf

Page/ section reference

Page 4 of 5 Total Carbon Combustion On-site (Scope 1 GHG emissions) Carbon Sales Fleet (Scope 1) Carbon Executive Air Fleet (Scope 1) Carbon From Fugitive Refrigerant Emissions (Scope 1) Carbon From Cell Respiration and Purchased Carbon Dioxide Emissions (Scope 1)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

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

Moderate assurance

Attach the statement

Amgen EHS Data Assurance Statement 2019.pdf

Page/ section reference

Page 4 of 5 Total Carbon Purchased Energy (Scope 2 GHG emissions - location based)

Relevant standard

ISAE3000

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 Data Assurance Statement 2019.pdf

Page/ section reference

Page 4 of 5 Total Carbon Purchased Energy (Scope 2 GHG emissions - market based)

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 Data Assurance Statement 2019.pdf

Page/section reference

Page 4 of 5 Carbon from Purchased Goods and Services (Scope 3: Category 1) Carbon from Capital Goods (Scope 3: Category 2) Carbon from Fuel- and Energy-Related Activities (Scope 3: Category 3) Carbon from Upstream Transportation & Distribution (Scope 3: Category 4) Carbon from Waste Generated in Operations (Scope 3: Category 5) Carbon from Business Travel (Scope 3: Category 6) Carbon from Staff Commuting (Scope 3: Category 7)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

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	Page 4 of 5: Energy Consumption Total Combustion On-site (Direct) Total Purchased Energy (Indirect)
C4. Targets and performance	Other, please specify (Water Intake)	ISAE 3000	Page 4 of 5 Total Water Withdrawal

Amgen EHS Data Assurance Statement 2019.pdf

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 2019

Period end date

December 31 2019

Allowances allocated

8768

Allowances purchased

0

Verified Scope 1 emissions in metric tons CO₂e

19849

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 participating as a Voluntarily Associated Entity (VAE) 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. CARB definition of VAE: Voluntarily Associated Entity is an entity that intends to purchase, hold, sell, clear, or voluntarily retire allowances or offset credits, but is not obligated to surrender any allowances or offset credits to ARB in order to comply with the cap-and-trade program.

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 2019

Period end date

December 31 2019

% of total Scope 1 emissions covered by tax

0.7

Total cost of tax paid

14041

Comment

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

Ireland carbon tax

Period start date

January 1 2019

Period end date

December 31 2019

% of total Scope 1 emissions covered by tax

4.8

Total cost of tax paid

82838

Comment

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

Other carbon tax, please specify

Period start date

January 1 2019

Period end date

December 31 2019

% of total Scope 1 emissions covered by tax

0.2

Total cost of tax paid

1673

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?

Amgen continues 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?

No, but we anticipate doing so in the next two years

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)

60

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

57

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 2019, 83% of our assessed suppliers demonstrated they are taking actions on energy consumption and greenhouse gas emissions. Amgen uses the results of the Assessment 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 2020 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

Other, please specify (Amgen.com)

Status

Complete

Attach the document

RHR Amgen Text v2020-08-10.docx

Page/Section reference

Attached is a static document of information that as of August 2020 is located at <https://wwwext.amgen.com/responsibility/environmental-sustainability/>

Content elements

Strategy

Emissions figures

Emission targets

Other metrics

Comment

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.

This response contains forward-looking statements that are based on the current expectations and beliefs of Amgen. All statements, other than statements of historical fact, are statements that could be deemed forward-looking statements, including any statements on the outcome, benefits and synergies of collaborations, or potential collaborations, with any other company, including Adaptive Biotechnologies (including statements regarding such collaboration's, or our own, ability to discover and develop fully-human neutralizing antibodies targeting SARS-CoV-2 to potentially prevent or treat COVID-19), BeiGene, Ltd., or the Otezla® (apremilast) acquisition, including anticipated Otezla sales growth and the timing of non-GAAP EPS accretion, as well as estimates of revenues, operating margins, capital expenditures, cash, other financial metrics, expected legal, arbitration, political, regulatory or clinical results or practices, customer and prescriber patterns or practices, reimbursement activities and outcomes, effects of pandemics or other widespread health problems such as the ongoing COVID-19 pandemic on our business, outcomes, progress, or effects relating to studies of Otezla as a potential treatment for COVID-19, and other such estimates and results. Forward-looking statements involve significant risks and uncertainties, including those discussed below and more fully described in the Securities and Exchange Commission reports filed by Amgen, including our most recent annual report on Form 10-K and any subsequent periodic reports on Form 10-Q and current reports on Form 8-K. Unless otherwise noted, Amgen is providing this information as of the date of this communication and does not undertake any obligation to update any forward-looking statements contained in this document as a result of new information, future events or otherwise.

No forward-looking statement can be guaranteed and actual results may differ materially from those we project. Our results may be affected by our ability to successfully market both new and existing products domestically and internationally, clinical and regulatory developments involving current and future products, sales growth of recently launched products, competition from other products including biosimilars, difficulties or delays in manufacturing our products and global economic conditions. In addition, sales of our products are affected by pricing pressure, political and public scrutiny and reimbursement policies imposed by third-party payers, including governments, private insurance plans and managed care providers and may be affected by regulatory, clinical and guideline developments and domestic and international trends toward managed care and healthcare cost containment. Furthermore, our research, testing, pricing, marketing and other operations are subject to extensive regulation by domestic and foreign government regulatory authorities. We or others could identify safety, side effects or manufacturing problems with our products, including our devices, after they are on the market. Our business may be impacted by government investigations, litigation and product liability claims. In addition, our business may be impacted by the adoption of new tax legislation or exposure to additional tax liabilities. If we fail to meet the compliance obligations in the corporate integrity agreement between us and the U.S. government, we could become subject to significant sanctions. Further, while we routinely obtain patents for our products and technology, the protection offered by our patents and patent applications may be challenged, invalidated or circumvented by our competitors, or we may fail to prevail in present and future intellectual property litigation. We perform a substantial amount of our commercial manufacturing activities at a few key facilities, including in Puerto Rico, and also depend on third parties for a portion of our manufacturing activities, and limits on supply may constrain sales of certain of our current products and product candidate development. An outbreak of disease or similar public health threat, such as COVID-19, and the public and governmental effort to mitigate against the spread of such disease, could have a significant adverse effect on the supply of materials for our manufacturing activities, the distribution of our products, the commercialization of our product candidates, and our clinical trial operations, and any such events may have a material adverse effect on our product development, product sales, business and results of operations. We rely on collaborations with third parties for the development of some of our product candidates and for the commercialization and sales of some of our commercial products. In addition, we compete with other companies with respect to many of our marketed products as well as for the discovery and development of new products. Discovery or identification of new product candidates or development of new indications for existing products cannot be guaranteed and movement from concept to product is uncertain; consequently, there can be no guarantee that any particular product candidate or development of a new indication for an existing product will be successful and become a commercial product. Further, some raw materials, medical devices and component parts for our products are supplied by sole third-party suppliers. Certain of our distributors, customers and payers have substantial purchasing leverage in their dealings with us. The discovery of significant problems with a product similar to one of our products that implicate an entire class of products could have a material adverse effect on sales of the affected products and on our business and results of operations. Our efforts to collaborate with or acquire other companies, products or technology, and to integrate the operations of companies or to support the products or technology we have acquired, may not be successful. A breakdown, cyberattack or information security breach could compromise the confidentiality, integrity and availability of our systems and our data. Our stock price is volatile and may be affected by a number of events. Our business performance could affect or limit the ability of our Board of Directors to declare a dividend or our ability to pay a dividend or repurchase our common stock. We may not be able to access the capital and credit markets on terms that are favorable to us, or at all.

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