

W0. Introduction

W0.1

(W0.1) Give a general description of 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. Our strategy includes integrated activities intended to strengthen our competitive position in the industry.

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 pioneer, 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.

As a Company committed to advancing human health, we recognize our responsibility to patients, employees, communities and shareholders to do our part to positively impact the health of our planet. We recognize the connection between environmental stresses and health and the impact climate change could have on our core business. Amgen has a longstanding objective to conduct its operations in an environmentally responsible manner, and we regularly set targets to challenge ourselves to improve. We have successfully advanced our environmental sustainability program since 2007, significantly reducing our environmental impact: a 33% reduction in carbon emissions, a 30% reduction in our water use and a 28% reduction in waste generated in the period from 2007 to 2020 – while increasing our global production capacity. In 2020, Amgen embarked on its latest environmental sustainability program. 2022 marked the third year of this program, whereby, by 2027, we are working to:

- Achieve carbon neutrality for Amgen-owned and operated facilities and operations (scope 1 and scope 2).
- Reduce water consumption by 40% from a 2019 baseline.
- Reduce waste disposed by 75% from a 2019 baseline.

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

W0.2

(W0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date
Reporting year	January 1 2022	December 31 2022

W0.3

(W0.3) Select the countries/areas in which you operate.

- Brazil
- Canada
- Ireland
- Netherlands
- Puerto Rico
- Singapore
- Turkey
- United Kingdom of Great Britain and Northern Ireland
- United States of America

Facilities in the countries/areas identified in W0.3 represent 88% of Amgen operations, based on square footage. The remaining 12% is mainly composed of administrative and office spaces.

W0.4

(W0.4) Select the currency used for all financial information disclosed throughout your response.

USD

W0.5

(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.

Companies, entities or groups over which operational control is exercised

W0.6

(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?

Yes

W0.6a

(W0.6a) Please report the exclusions.

Exclusion	Please explain
Water use at sales and administrative offices is excluded.	The scope of our data collection in 2022 is 14 sites comprised of manufacturing, research and development, and distribution facilities in the United States (including Puerto Rico), Netherlands, United Kingdom, Ireland, Canada, Brazil, Singapore, and Turkey. These facilities account for approximately 88% of our operations based on square footage. The remaining 12% is mainly composed of shared office and administrative spaces of which we are not invoiced directly. Amgen is not expected to be a significant consumer of water in these office and administrative spaces when compared to our manufacturing, research and development, and distribution facilities. Recent acquisitions that have not completed the integration process are not included.

W0.7

(W0.7) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, a Ticker symbol	AMGN

W1. Current state

W1.1

(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Vital	Vital	<p>Amgen recognizes that water is a vital resource crucial to our communities, their watersheds, and to Amgen's business of discovering, developing, and manufacturing innovative medicines.</p> <p>Direct use importance: As a raw material, a source of sustainable, good quality water is vital for manufacturing our medicines. Potential supply restrictions from municipal water supplies could affect and delay our manufacturing processes. To mitigate our water footprint, we strive to use water efficiently in our operations by assessing, identifying and implementing water conservation and reuse strategies which includes water-reduction projects across our operations.</p> <p>Indirect use importance: Similar to Amgen, available, good-quality water is vital to our suppliers and contract manufacturers because it affects their ability to produce our raw materials and products. We set environmental sustainability expectations with key suppliers through our Supplier Code of Conduct and engage with them through a third-party supplier engagement partner.</p>
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Important	<p>Amgen recognizes that sufficient amounts of recycled produced water available are important in our operations. The use of recycled water in our operations reduces the amount of water demand from our local municipalities and aquifers. Amgen utilizes recycled and produced water in non-manufacturing operations, such as cooling towers and condensate return lines to boilers.</p> <p>Direct use importance: We identify and implement water conservation and reuse into our water intensive systems where feasible. Our use of recycled water reduces our water withdrawals from municipal sources and is particularly crucial for sites located in water-stressed regions. Some examples of these strategies implemented include the reuse of reverse osmosis rejected water, return and reuse of steam condensate, optimizing cycles of concentration on cooling towers, and other recycle/reuse water projects across our operations.</p> <p>Indirect use importance: We set expectations with key suppliers on environmental sustainability through our Supplier Code of Conduct and engage with them through a third-party supplier engagement partner.</p>

W1.2

(W1.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water withdrawals – total volumes	76-99	Monthly	Our total water withdrawals are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. Total water withdrawals are monitored by site water meters which enables real-time monitoring that is integrated into our building management and collected in our centralized data tracking system. Our Total water withdrawals is an essential KPI that enables us to closely monitor consumption and benchmark our sites' water use efficiency consistently.	Our tracking of total water withdrawals in our operations allows us to incorporate sites' consumption & efficiency into management review dashboards and annually we verify our environmental data by an independent third party and report water withdrawal total volumes in our ESG report.
Water withdrawals – volumes by source	76-99	Monthly	Our water withdrawals by source are regularly monitored and measured at our global manufacturing, R&D, and distribution facilities using site utility water and internal groundwater withdrawal meters. This real-time monitoring is integrated with our building management system and collected in our centralized data tracking system. Annually, each of our sites performs a water balance that tracks the source and volume of our water withdrawals.	Our tracking of Total Water Withdrawals in our operations allows us to incorporate sites' consumption & efficiency into management review dashboards and annually we verify our environmental data by an independent third party and report water withdrawal total volumes in our ESG report.
Entrained water associated with your metals & mining and/or coal sector activities - total volumes [only metals and mining and coal sectors]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Water withdrawals quality	26-50	Monthly	High quality water is essential for our manufacturing processes to produce our medicines. We continuously monitor the quality of our purchased water supplies at our manufacturing facilities and at other operations where water quality is important. As required, water monitoring is performed in compliance with regulations related to drinking water standards and pharmaceutical manufacturing.	High quality water is essential for our manufacturing processes to produce our medicines. As required, water monitoring is performed in compliance with regulations related to drinking water standards and pharmaceutical manufacturing.
Water discharges – total volumes	76-99	Daily	Our total water discharge volumes are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. Total water discharges are monitored by site water meters which enables real-time monitoring that is integrated into our building management and collected in our centralized data tracking system. Annually, each of our sites performs a water balance that tracks the total volume of water discharged at our sites.	Our tracking of total volumes of water discharges in our operations allows us to incorporate sites' consumption, efficiency, and water balances into management review dashboards and annually we verify our environmental data by an independent third party.
Water discharges – volumes by destination	76-99	Daily	Our total water discharges by destination are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. Total water discharges by destination are monitored by site water meters which enables real-time monitoring that is integrated into our building management and collected in our centralized data tracking system. Annually, each of our sites performs a water balance that tracks the total volume of water discharged by destination.	Our tracking of water discharges - volumes by destination in our operations allows us to incorporate sites' consumption & efficiency, and water balances into management review dashboards and annually we verify our environmental data by an independent third party.
Water discharges – volumes by treatment method	76-99	Daily	Our Total water discharges by treatment method are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. Annually, each of our sites performs a water balance that assesses and confirms treatment methods in order to track the total volume of water discharged by treatment method at our sites.	Our total water discharges by treatment method are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. Annually, each of our sites performs a water balance that assesses and confirms treatment methods in order to track the total volume of water discharged by Treatment method at our sites.
Water discharge quality – by standard effluent parameters	76-99	Quarterly	Our water discharges quality by standard effluent parameters are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. We monitor and report standard effluent parameters where it is required by regulations.	Our water discharges quality by standard effluent parameters are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. We monitor and report standard effluent parameters where it is required by regulations
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	Not relevant	<Not Applicable>	<Not Applicable>	We do not directly discharge to bodies of water. All of our sites discharge to publicly-owned treatment works.
Water discharge quality – temperature	26-50	Daily	Our water discharge temperature are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. We monitor and report water discharge temperature where it is required by regulations.	Our water discharge temperature are regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. We monitor and report water discharge temperature where it is required by regulations.
Water consumption – total volume	76-99	Monthly	Our total water consumption is regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. Total water consumption is collected in our centralized data tracking system. Annually, each of our sites performs a water balance that tracks the total water consumption at our sites which enables us to benchmark progress and track our sites' water efficiency.	Our tracking of total water consumption volumes in our operations allows us to incorporate sites' consumption & efficiency, and water balances into management review dashboards and annually we verify our environmental data by an independent third party.
Water recycled/reused	76-99	Daily	Our water recycled/reused is regularly measured and monitored at our global manufacturing, R&D, and distribution facilities. Annually, each of our sites performs a water balance that tracks the total volume of water recycled/reused at our sites using a calculation based on equipment and engineering calculations, such as from the recycle of reverse osmosis unit reject water. Total water recycled/reused is collected in our centralized data tracking system to benchmark our sites' water efficiency.	Our tracking of water recycled/reused in our operations allows us to incorporate sites' consumption & efficiency, and water balances into management review dashboards and annually we verify our environmental data by an independent third party.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Continuously	All Amgen staff are provided with water that is sourced from local drinking water purveyors and that is safe for drinking, sanitation and hygiene.	All Amgen staff are provided with water that is sourced from local drinking water purveyors and that is safe for drinking, sanitation and hygiene.

W1.2b

(W1.2b) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?

	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Please explain
Total withdrawals	2042	Lower	Investment in water-smart technology/process	Lower	Increase/decrease in efficiency	The volume of total water withdrawals in 2022 was lower than total water withdrawals in 2021. In 2022 we continued our investment in water-smart technologies/processes such as the implementation of water-saving and water efficiency projects across our global manufacturing and research and development sites. Our efforts to implement water projects and reduce total water withdrawals across our business are aligned with our 2027 target to reduce water use in our operations by 40% from our 2019 baseline.
Total discharges	1471	Lower	Investment in water-smart technology/process	Lower	Increase/decrease in efficiency	The volume of our total water discharges in 2022 was lower than our total water discharges in 2021. In 2022 we continued our investment in water-smart technologies/processes, such as our implementation of water-saving and water efficiency projects that reduced our water withdrawals, which in turn reduced our total water discharges. Our efforts to implement water projects and reduce total discharges across our business are aligned with our 2027 target to reduce water use by 40% from our 2019 baseline.
Total consumption	571	Lower	Investment in water-smart technology/process	Lower	Increase/decrease in efficiency	The volume of water consumption in 2022 was lower than total water consumption in 2021. Our water consumption in 2022 was lower because we continued our investment in water-smart technologies/processes such as the implementation of water-saving and water efficiency projects, which included projects related to water conservation and reuse strategies in water intensive systems. Examples of these strategies implemented related to consumption include reuse of reverse osmosis rejected water, return and reuse of steam condensate, and optimizing cycles of concentration on cooling towers. Our efforts to reduce total water consumption are aligned with our 2027 target to reduce water use by 40% from our 2019 baseline.

W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress, provide the proportion, how it compares with the previous reporting year, and how it is forecasted to change.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Identification tool	Please explain
Row 1	Yes	26-50	Lower	Increase/decrease in efficiency	Lower	Increase/decrease in efficiency	WRI Aqueduct WWF Water Risk Filter	Our % of water withdrawals from water-stressed regions in 2022 was lower than in 2021 due to increased business efficiency that includes the implementation of water-reduction/plans and strategic consolidation of facilities in our global network. Amgen takes a holistic approach to our annual water-related risk assessment to improve our water stewardship in the communities in which we operate and to support our long-term direct business operations to serve our patients. Amgen identified several sites in our operations that are located in water-stressed areas using the WWF Water Risk Filter and WRI Aqueduct Tools. The use of the Basin Risk functionality of the WWF Water Risk Filter tool indicates physical water scarcity. Using the "Risk Score Classification", areas with 2.6-3.5 are classified as "medium" risk for water scarcity and areas with water scarcity values >3.5 are classified as "high". We chose to utilize the WWF Water Risk Filter and WRI Aqueduct as part of our global water risk assessment because it enables us to assess and incorporate a comprehensive range of water risks into our global water stewardship strategy. Some of these water risks include the "Operational", "Physical Risk", and "Flooding" outputs. Our water-related risk assessment enables us to analyze and develop water-reduction plans including water-efficiency engineering projects that prioritizes our Amgen locations where water stress is the most significant.

W1.2h

(W1.2h) Provide total water withdrawal data by source.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because we do not currently withdraw from fresh surface water, including rainwater, water from wetlands, rivers, and lakes
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because we do not currently withdraw from brackish surface water/seawater in our operations.
Groundwater – renewable	Relevant	17	Higher	Increase/decrease in business activity	Our withdrawal of renewable groundwater in 2022 was higher than in 2021 due to increase in business activity.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because we do not currently withdraw from non-renewable ground water in our operations.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because we do not currently use Produced/Entrained water in our operations.
Third party sources	Relevant	2025	Lower	Investment in water-smart technology/process	Our withdrawal of water from third party sources in 2022 was lower than in 2021 due to our continued investment in water-smart technologies/processes which is aligned with our current 2027 Environmental Sustainability plan to reduce our water consumption by 40% from our 2019 baseline.

W1.2i

(W1.2i) Provide total water discharge data by destination.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because we do not currently discharge to fresh surface water in our operations.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because we do not currently discharge to brackish surface water/seawater.
Groundwater	Relevant	148	Lower	Investment in water-smart technology/process	Our discharge to groundwater in 2022 was lower than in 2021 due to our continued investment in water-smart technologies/processes.
Third-party destinations	Relevant	1323	Lower	Investment in water-smart technology/process	Our discharge to third party destinations in 2022 was lower than in 2021 because we continued our investment in water-smart technologies/processes across our operations, such as our implementation of water-saving and water efficiency projects that reduced our water withdrawals, which in turn reduced our total water discharges. Our reduced water consumption is aligned with our current 2027 Environmental Sustainability plan to reduce our water consumption by 40% from our 2019 baseline.

W1.2j

(W1.2j) Within your direct operations, indicate the highest level(s) to which you treat your discharge.

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant	364	Higher	Increase/decrease in business activity	1-10	Tertiary Treatment is conducted at our manufacturing facility in Puerto Rico and our new Singapore manufacturing facility. Both of these sites have biological and reverse osmosis wastewater treatment capabilities, which are directly measured. All of our facilities maintain the necessary compliance as required by their local regulatory authorities in their respective geographical location. The volume of tertiary treatment discharged is expected to increase.
Secondary treatment	Relevant	328	Lower	Increase/decrease in efficiency	1-10	Secondary Treatment is conducted at our manufacturing facility in Rhode Island, which provides secondary treatment to wastewater discharges. Secondary Treatment Wastewater volumes have decreased due to the addition of a new manufacturing building that utilizes innovative manufacturing technologies similar to those that we implemented at our Singapore facility, which shows a 54 percent reduction in water intake as compared to a conventional biotechnology manufacturing facility. All of our facilities maintain the necessary compliance as required by their local regulatory authorities in their respective geographical location.
Primary treatment only	Relevant	625	Lower	Increase/decrease in efficiency	51-60	Primary treatment is conducted in our direct operations as many of our sites have equalization tanks with neutralization capabilities. These systems discharge to municipal wastewater treatment plants. Primary treatment volumes decreased in 2022 due increase in efficiency in our operations. All of our facilities maintain the necessary compliance as required by their local regulatory authorities in their respective geographical location.
Discharge to the natural environment without treatment	Relevant	148	Lower	Investment in water-smart technology/process	41-50	Discharge to the natural environment without treatment is relevant because landscape irrigation at our sites is discharged directly to the environment. Water discharges to the natural environment without treatment was lower in 2022 because we are investing in water-smart technologies/processes in our operations such as the implementation of more efficient irrigation systems and incorporating native and drought tolerant landscape vegetation at our sites. All of our facilities maintain the necessary compliance as required by their local regulatory authorities in their respective geographical location.
Discharge to a third party without treatment	Relevant	5	Lower	Investment in water-smart technology/process	21-30	Discharge to a third party without treatment is relevant because some of our administrative and distribution facilities do not require pre-treatment prior to discharge to municipal wastewater treatment plants. All of our facilities maintain the necessary compliance as required by their local regulatory authorities in their respective geographical location.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Other is not relevant.

W1.3

(W1.3) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue	Total water withdrawal volume (megaliters)	Total water withdrawal efficiency	Anticipated forward trend
Row 1	2632300000	2042	12890793.3398629	We anticipate that our future water reduction efforts that are aligned with our 2027 company-wide Sustainability Plan to reduce our water consumption by 40% from our 2019 baseline and future environmental goals will reduce the total water withdrawal volume. If revenues remain consistent, our total water withdrawal efficiency will improve.

W1.4

(W1.4) Do any of your products contain substances classified as hazardous by a regulatory authority?

	Products contain hazardous substances	Comment
Row 1	No	.

W1.5

(W1.5) Do you engage with your value chain on water-related issues?

	Engagement	Primary reason for no engagement	Please explain
Suppliers	Yes	<Not Applicable>	<Not Applicable>
Other value chain partners (e.g., customers)	No	Important but not an immediate business priority	Important but not an immediate business priority

W1.5a

(W1.5a) Do you assess your suppliers according to their impact on water security?

Row 1

Assessment of supplier impact

No, we do not assess the impact of our suppliers and have no plans to do so within the next two years

Considered in assessment

<Not Applicable>

Number of suppliers identified as having a substantive impact

<Not Applicable>

% of total suppliers identified as having a substantive impact

<Not Applicable>

Please explain

We require all suppliers to adhere to our Supplier Code of Conduct that is incorporated into our sourcing processes, contracts and onboarding of suppliers. Our Supplier Code of Conduct states that suppliers shall reduce their environmental footprint through minimizing their use of natural resources & the environmental impact of their activities. Our Supplier Sustainability Program focuses on our suppliers' commitment to sustainability & social responsibility in line with our Supplier Code of Conduct. Through an annual 3rd-party supplier engagement service, we assess and monitor sustainability performance of key suppliers prioritized by procurement spend and continue to expand the program. We work with EcoVadis to assess our suppliers' water-related issues. The Key Performance Indicators (KPIs) from EcoVadis' supplier assessment evaluates our supplier's policies that includes their management of water consumption, their management of water quality, and their water accounting methods.

W1.5b

(W1.5b) Do your suppliers have to meet water-related requirements as part of your organization's purchasing process?

	Suppliers have to meet specific water-related requirements	Comment
Row 1	No, and we do not plan to introduce water-related requirements within the next two years	Amgen requires all suppliers to adhere to Amgen's Supplier Code of Conduct. This requirement is incorporated into our sourcing processes, contracts 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. Suppliers shall comply with all applicable environmental regulations, laws, codes, and other governmental requirements/authorizations. Suppliers shall obtain and follow all associated operational and reporting requirements of required environmental permits, licenses, registrations, and restrictions. Our Supplier Sustainability Program focuses on our suppliers' commitment to sustainability and social responsibility in line with our Supplier Code of Conduct. Through an annual 3rd-party supplier engagement service, we assess and monitor sustainability performance of key suppliers prioritized by procurement spend and continue to expand the program. We work with EcoVadis to assess our suppliers' water-related issues. The KPIs from EcoVadis' supplier assessment evaluates our supplier's policies that includes their management of water consumption, their management of water quality, and their water accounting methods. We continue to participate in the Pharmaceutical Supply Chain Initiative to promote responsible supply chain management and better business conditions across the industry.

W1.5d

(W1.5d) Provide details of any other water-related supplier engagement activity.

Type of engagement

Other

Details of engagement

Other, please specify (Onboarding)

% of suppliers by number

76-99

% of suppliers with a substantive impact

<Not Applicable>

Rationale for your engagement

Amgen requires all suppliers to adhere to Amgen’s Supplier Code of Conduct. This requirement is incorporated into our sourcing processes, contracts 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, registrations, and restrictions.

Impact of the engagement and measures of success

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. Suppliers shall comply with all applicable environmental regulations, laws, codes, and other governmental requirements/authorizations. Suppliers shall obtain and follow all associated operational and reporting requirements of required environmental permits, licenses, registrations, and restrictions. While all suppliers are required to comply with our Supplier Code of Conduct, our Supplier Sustainability Program partners with EcoVadis to monitor and measure the sustainability performance of our most strategic suppliers in four areas: business ethics, labor and human rights, sustainable procurement and environmental impact.

Comment

Not Applicable.

W2. Business impacts

W2.1

(W2.1) Has your organization experienced any detrimental water-related impacts?

No

W2.2

(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

	Water-related regulatory violations	Fines, enforcement orders, and/or other penalties	Comment
Row 1	No	<Not Applicable>	No.

W3. Procedures

W3.1

(W3.1) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?

	Identification and classification of potential water pollutants	How potential water pollutants are identified and classified	Please explain
Row 1	Yes, we identify and classify our potential water pollutants	As part of our R&D and manufacturing change management and new product introduction processes, we assess and characterize potential water pollutants in wastewater to ensure safe and compliant waste and wastewater management.	<Not Applicable >

W3.1a

(W3.1a) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Water pollutant category

Phosphates

Description of water pollutant and potential impacts

Amgen has identified phosphorus sources within our manufacturing processes. We strive to minimize the discharge of phosphates to publicly-owned treatment works by

taking actions to minimize its use, implement onsite pretreatment, or segregate for offsite disposal.

Value chain stage

Direct operations

Actions and procedures to minimize adverse impacts

Beyond compliance with regulatory requirements

Industrial and chemical accidents prevention, preparedness, and response

Provision of best practice instructions on product use

Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

Upgrading of process equipment/methods

Please explain

We characterize the waste streams and manage them by either substitution, onsite pretreatment, or manage the waste streams at an offsite waste disposal facility.

Water pollutant category

Other synthetic organic compounds

Description of water pollutant and potential impacts

Amgen utilizes a variety of organic solvents in our small molecule research and development and manufacturing operations. We strive to minimize potential impacts from these solvents and synthetic organic compounds by segregating and managing these regulated waste products at offsite disposal facilities.

Value chain stage

Direct operations

Actions and procedures to minimize adverse impacts

Beyond compliance with regulatory requirements

Industrial and chemical accidents prevention, preparedness, and response

Provision of best practice instructions on product use

Reduction or phase out of hazardous substances

Requirement for suppliers to comply with regulatory requirements

Upgrading of process equipment/methods

Please explain

We strive to minimize potential impacts from these solvents and synthetic organic compounds by segregating and managing these regulated waste products at offsite disposal facilities. In our synthetic organic compound processing operations we employ standard chemical hygiene and cleaning practices to minimize potential releases to the environment.

Water pollutant category

Microplastics and plastic particles

Description of water pollutant and potential impacts

Amgen utilizes a variety of plastics in our research & development, manufacturing, final product packaging, and other onsite operations such as our cafeteria food containers. We have begun conducting life cycle analyses related to our use of plastics and we strive to reduce or substitute plastics where possible.

Value chain stage

Direct operations

Product use phase

Actions and procedures to minimize adverse impacts

Beyond compliance with regulatory requirements

Please explain

We have begun conducting life cycle analyses related to our use of plastics and we strive to reduce or substitute plastics where possible. We have implemented robust plastics recycling programs within our research & development, manufacturing operations, and across our administrative areas. We engage with our employees and surrounding communities through educational and volunteer outreach events such as International Coastal Cleanup Day and onsite Earth Day fairs.

Water pollutant category

Other nutrients and oxygen demanding pollutants

Description of water pollutant and potential impacts

Amgen characterizes and quantifies oxygen demanding pollutants and other nutrients at our manufacturing facilities. At some of our larger manufacturing sites such as Singapore, Puerto Rico, and Rhode Island, we pre-treat oxygen demanding pollutants in our onsite biological wastewater treatment systems. At all of our sites across the network, we discharge to a municipal wastewater treatment plant.

Value chain stage

Direct operations

Actions and procedures to minimize adverse impacts

Industrial and chemical accidents prevention, preparedness, and response

Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

Please explain

Amgen characterizes and quantifies oxygen demanding pollutants and other nutrients at our manufacturing facilities. At some of our larger manufacturing sites such as Singapore, Puerto Rico, and Rhode Island, we pre-treat oxygen demanding pollutants in our onsite biological wastewater treatment systems. At all of our sites across the network, we discharge to a municipal wastewater treatment plant.

Water pollutant category

Oil

Description of water pollutant and potential impacts

Amgen identifies and characterizes our oil-containing waste streams within our utility systems, equipment, and our onsite cafeteria operations. We design our facilities with hazardous material spill prevention controls such as secondary containment, oil water separators, and storm water filtration devices. Where applicable, we develop and implement Spill Prevention Control and Countermeasure plans and storm water pollution prevention plans.

Value chain stage

Direct operations

Actions and procedures to minimize adverse impacts

Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience

Beyond compliance with regulatory requirements

Industrial and chemical accidents prevention, preparedness, and response

Other, please specify

Please explain

Amgen identifies and characterizes our oil-containing waste streams within our utility systems, equipment, and our onsite cafeteria operations . We design our facilities with hazardous material spill prevention controls such as secondary containment, oil water separators, and storm water filtration devices . Where applicable, we develop and implement Spill Prevention Control and Countermeasure plans and storm water pollution prevention plans.

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?

Yes, water-related risks are assessed

W3.3a

(W3.3a) Select the options that best describe your procedures for identifying and assessing water-related risks.

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Water risks are assessed as part of an established enterprise risk management framework

Frequency of assessment

Annually

How far into the future are risks considered?

1 to 3 years

Type of tools and methods used

Tools on the market

Enterprise risk management

Other

Tools and methods used

WRI Aqueduct

WWF Water Risk Filter

Other, please specify (Internal enterprise risk management assessments are performed annually using internal processes and procedures. In addition, we perform risk assessments on new and existing water supply, wastewater treatment, and chemical handling systems.)

Contextual issues considered

Water availability at a basin/catchment level

Water quality at a basin/catchment level

Stakeholder conflicts concerning water resources at a basin/catchment level

Implications of water on your key commodities/raw materials

Water regulatory frameworks

Status of ecosystems and habitats

Access to fully-functioning, safely managed WASH services for all employees

Other, please specify (We have begun to engage with stakeholders in our water stressed basins that we operate within and plan to increase that engagement in the coming years. We recognize that our operations have an impact on the water basins that we operate in.)

Stakeholders considered

Customers

Employees

Investors

Local communities

NGOs

Regulators

Suppliers

Water utilities at a local level

Other water users at the basin/catchment level

Other, please specify (The stakeholders listed above are our key stakeholders, however, we continue to consider other stakeholders as they are identified.)

Comment

Water risks are assessed as part of an established enterprise risk management framework.

Value chain stage

Supply chain

Coverage

Full

Risk assessment procedure

Water risks are assessed as part of an established enterprise risk management framework

Frequency of assessment

Annually

How far into the future are risks considered?

1 to 3 years

Type of tools and methods used

Tools on the market

Other

Tools and methods used

EcoVadis

Internal company methods

Materiality assessment

Contextual issues considered

Implications of water on your key commodities/raw materials

Stakeholders considered

Suppliers

Comment

Water risks are assessed as part of an established enterprise risk management framework.

(W3.3b) Describe your organization’s process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.

	Rationale for approach to risk assessment	Explanation of contextual issues considered	Explanation of stakeholders considered	Decision-making process for risk response
Row 1	Amgen takes a holistic approach to our annual water-related risk assessment to improve our water stewardship in the communities in which we operate globally and to support our long-term direct business operations to serve our patients. Amgen understands that water issues are highly localized and specific to their respective geographical location. Our water-related risk assessment enables us to analyze and develop water-reduction plans including water-efficiency engineering projects that prioritize our Amgen locations where water stress is the most significant. Amgen incorporates water risk assessment tools such as World Resources Institute (WRI) Aqueduct and the World Wildlife Fund (WWF) Water Risk Filter into our Enterprise Risk Management to assess water-related risks to improve our water stewardship strategy. These tools enable us to consider a robust range of water risks, such as flooding, water quality, regulatory risks, reputational risks, and access to water and sanitation. We communicate expectations to our key suppliers’ water risks through our Supplier Code of Conduct, and engagement through our relationship with a third-party service provider.	Amgen understands that water-related contextual issues such as water quality & water availability are highly localized to each geographical region in which we operate. Therefore, Amgen takes a holistic approach to our annual water-related risk assessment to improve our water stewardship in the communities in which we operate globally and to support our long-term direct business operations to serve our patients. Our water-related risk assessment enables us to analyze and develop water-reduction plans including water-efficiency engineering projects that prioritize our Amgen locations where water stress is the most significant. Amgen incorporates water risk assessment tools such as World Resources Institute (WRI) Aqueduct and the World Wildlife Fund (WWF) Water Risk Filter into our Enterprise Risk Management to assess water-related risks to improve our water stewardship strategy. These tools enable us to consider a robust range of water risks, such as flooding, water quality, regulatory risks, reputational risks, and access to water and sanitation. We communicate expectations to our key suppliers’ water risks through our Supplier Code of Conduct, and engagement through our relationship with a third-party service provider. All Amgen staff are provided with water that is sourced from local drinking water purveyors and that is safe for drinking, sanitation, and hygiene.	We engage with stakeholders our communities where we operate as water is a crucial resource for all. Water is also a crucial resource to produce our medicines. We acknowledge that water issues are localized to their geographical region. Therefore, Amgen takes a holistic approach in our annual water-related risk assessment to improve our water stewardship in the communities in which we operate and to support our long-term direct business operations to serve our patients. Our water-related risk assessment enables us to analyze/develop water-reduction plans including water-efficiency projects that prioritize our sites where water stress is most significant. This year we launched our #HealthyPlanet program that recognizes our staff who create programs/activities that support our sustainability goals. Employees can earn rewards from activities such as implementing a sustainability policy for a department or training employees to use equipment more efficiently that measurably reduce water. In 2022, we rewarded 241 staff for their contributions. Our staff also volunteer in their communities. For 17 years, we have participated in the International Coastal Cleanup initiative. Nearly 350 employees from 10 Amgen sites joined the effort in 2022 to clean up a beach, park or river in their communities. The California Coastal Commission recognized Amgen volunteers with an appreciation award for their public service in protecting the natural resources of the California coast.	Amgen’s water-related risk assessment enables us to analyze and develop water-reduction plans including water-efficiency engineering projects that prioritize our Amgen locations where water stress is the most significant. Using the “Risk Score Classification” from the WWF Water Risk Tool, areas with 2.6 - 3.5 are classified as “medium” risk for water scarcity and areas with water scarcity values >3.5 are classed as “high”. Amgen’s Enterprise Risk Management process annually identifies and assesses water-related risks to our operations such as droughts and impacts to water quantity and 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. 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 10-K statement.

W4. Risks and opportunities

W4.1

(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes, both in direct operations and the rest of our value chain

W4.1a

(W4.1a) How does your organization define substantive financial or strategic impact on your business?

Access to water is essential to serve our patients as we transform new ideas and discoveries into medicines for patients with serious illnesses. 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 working to ensure value and access. Annually, sites and functions perform a holistic assessment of existing and emerging risks that could impede their key deliverables. Assumptions and modelling for impacts on business operations are recalibrated to enable risk evaluation 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 communicated, mitigated and monitored to support our ability to continue to deliver on our mission.

Amgen defines substantive financial impacts in the following manner:

- Insignificant: Potential revenue loss and/or additional expenses < \$500K in 12 months
- Minor: Potential revenue loss and/or additional expenses \$500K - \$1M in 12 months
- Moderate: Potential revenue loss and/or additional expenses \$1M - \$10M in 12 months
- Major: Potential revenue loss and/or additional expenses \$10M - \$20M in 12 months
- Severe: Potential revenue loss and/or additional expenses > \$20M in 12 months

Financial impacts to the business include market interruptions across the value chain, launch delays and disruptions to clinical trials. Climate impacts are a consideration when evaluating impacts to the business. Substantive financial impacts ranges are verified each year as part of Amgen’s Enterprise Risk Management review process and updated as necessary. For further discussion of risks and uncertainties that may have an adverse effect on our business, please see the Risk Factors section of our Annual Report on Form 10-K for the year ended December 31, 2022 filed with the Securities and Exchange Commission. <https://investors.amgen.com/static-files/cb90e5d6-72b9-4291-ba59-85281072b4be>

W4.1b

(W4.1b) What is the total number of facilities exposed to water risks with the potential to have a substantive financial or strategic impact on your business, and what proportion of your company-wide facilities does this represent?

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	2	1-25	Not applicable.

W4.1c

(W4.1c) By river basin, what is the number and proportion of facilities exposed to water risks that could have a substantive financial or strategic impact on your business, and what is the potential business impact associated with those facilities?

Country/Area & River basin

United States of America	Other, please specify (North Pacific - According to WWF Water Risk Filter Analysis Export)
--------------------------	--

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

Production value for the metals & mining activities associated with these facilities

<Not Applicable>

% company's annual electricity generation that could be affected by these facilities

<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities

<Not Applicable>

% company's total global revenue that could be affected

Unknown

Comment

Thousand Oaks

Country/Area & River basin

Puerto Rico	Other, please specify (Puerto Rico - According to WWF Water Risk Filter Analysis Export)
-------------	--

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

Production value for the metals & mining activities associated with these facilities

<Not Applicable>

% company's annual electricity generation that could be affected by these facilities

<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities

<Not Applicable>

% company's total global revenue that could be affected

Unknown

Comment

Puerto Rico

W4.2

(W4.2) Provide details of identified risks in your direct operations with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.

Country/Area & River basin

United States of America	Other, please specify (North Pacific - According to WWF Water Risk Filter Analysis Export)
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Type of risk & Primary risk driver

Acute physical	Other, please specify (Lack of Rainfall/Drought Conditions)
----------------	---

Primary potential impact

Other, please specify (Increased Capital Expenditures)

Company-specific description

Amgen operates key R&D, manufacturing and product warehouse operations in Thousand Oaks, California, a region prone to seasonal wildfire risk. A substantial disruption in our ability to operate our Thousand Oaks manufacturing facility could materially and adversely affect our ability to supply our product candidates for use in our clinical trials, leading to delays in development of our product candidates. Temperature increases and lack of rainfall exacerbate drought conditions that extend the wildfire season thus increasing likelihood and severity of a fire event.

Timeframe

4-6 years

Magnitude of potential impact

Medium

Likelihood

About as likely as not

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)

1000000

Potential financial impact figure - maximum (currency)

20000000

Explanation of financial impact

These risk impact ranges are the standards for Amgen these types of risk assessments, and they are verified every year during the ERM process. The risk assessment process breaks down major risks like hurricanes, earthquakes, fires, etc. into specific sub-risks for each.

Primary response to risk

Other, please specify (Identification and characterization of risks from extreme weather events are assessed through our Enterprise Risk Management (ERM) system. In 2022, we performed an initial risk assessment to further our understanding of acute climate-related risks.)

Description of response

Amgen has taken several precautions to limit the impacts of wildfires to its operations. Amgen has partnered with our insurance company for many years to leverage their 100 year-plus facility resiliency expertise that includes construction materials and methods. For example, Thousand Oaks facility buildings are constructed with cement walls and fire-resistant roofs. Amgen has developed wildfire, red flag warning, and severe weather playbooks that staff are continually trained on. However, past wildfire incidents have occurred in areas near our operations that have disrupted normal business operations for very short periods. In 2022, Amgen performed a risk assessment to further our understanding of acute climate-related physical risk and from which to develop an enterprise-wide climate-risk management framework that meets the requirements of current and impending disclosure recommendations and laws. Two operational sites, including our Thousand Oaks sites, and a site in development were included in the risk assessment. The sites were selected due to their exposures to different acute climate hazards, including wildfires. Hazards were considered across short-, medium- and long-term timeframes using the RCP 4.5 scenario. Action: Starting in 2022, Amgen performed a qualitative assessment of climate-related risks at its Thousand Oaks facility. The scope of the assessment was aligned with TCFD recommendations. This assessment determined different natural hazards and climate change risks across the site, including wildfire risk, as well as wind, seismic, drought, riverine and stormwater flood and extreme heat hazards. Result: The results revealed additional insights regarding certain risks. The comprehensive risk assessment framework developed for the Puerto Rico facility and described above will be applied to other facilities and the results will be captured in the ERM to further align with TCFD requirements.

Cost of response

33000

Explanation of cost of response

This represents approximate external consulting fees for the qualitative risk assessment performed for Amgen's Thousand Oaks operations.

Country/Area & River basin

Puerto Rico	Other, please specify (Puerto Rico - According to WWF Water Risk Filter Analysis Export)
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Type of risk & Primary risk driver

Acute physical	Cyclone, hurricane, typhoon
----------------	-----------------------------

Primary potential impact

Other, please specify (Increased Direct Costs)

Company-specific description

An increased severity and frequency of extreme weather events could affect our manufacturing sites, potentially causing reduction/disruption in production capacity. The global supply of our products and product candidates for commercial sales and for use in our clinical trials is significantly dependent on the uninterrupted and efficient operation of our manufacturing facilities such our Puerto Rico site. In recent years, Puerto Rico has been affected by natural disasters, including droughts in mid-2020 and Hurricane Maria in 2017. These natural disasters have affected, and may continue to affect, public and private properties and Puerto Rico's electric grid and communications networks in the future. While Hurricane Maria was a strong category 4 hurricane at landfall in Puerto Rico, the critical areas of our commercial manufacturing facilities were not significantly affected. However, the restoration of electrical service on the island of Puerto Rico after the hurricane was a slow process, and our facility operated with electrical power from backup generators until the electrical grid was restored. We also operated on backup generators for a few weeks after the 2020 earthquakes in Puerto Rico. Further instability of the electric grid could require us to increase the use of our generators.

Timeframe

4-6 years

Magnitude of potential impact

Medium

Likelihood

About as likely as not

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)

1000000

Potential financial impact figure - maximum (currency)

20000000

Explanation of financial impact

These risk impact ranges are the standards for Amgen these types of risk assessments, and they are verified every year during the ERM process. The risk assessment process breaks down major risks like hurricanes, earthquakes, fires, etc. into specific sub-risks for each.

Primary response to risk

Other, please specify (Identification and characterization of risks from extreme weather events are assessed through our Enterprise Risk Management (ERM) system. In 2022, we performed an initial risk assessment to further our understanding of acute climate-related risks.)

Description of response

Amgen has already taken several precautions to limit the impacts of storm events. For example, Amgen manufacturing sites have redundant power generation sources in the event that severe weather halts operations. Amgen also maintains contracts to assure fuel replenishment for additional power generators to continue operations.

Furthermore, Amgen's Puerto Rico facility operates a highly efficient cogeneration plant to increase redundancy.

In 2022, Amgen performed an initial risk assessment project to further our understanding of acute climate-related physical risk to increase resilience at the Puerto Rico facility and beyond. This risk assessment approach was constructed to be easily integrated into the existing Enterprise Risk Management (ERM) system and to meet the requirements of current and impending disclosure recommendations and laws. Two operational sites, including our Puerto Rico site as well as our Thousand Oaks site and a site in development in Ohio were included in the risk assessment. The sites were selected due to their exposures to different acute climate hazards, including wildfires, hurricanes, tornadoes, and precipitation-related and riverine flooding. Hazards were considered across short-, medium- and long-term timeframes using the RCP 4.5 scenario. Action: Amgen performed both a qualitative and quantitative assessment of risk to its Puerto Rico operations. The scope of the assessment was aligned with TCFD recommendations. This assessment identified different natural hazards and climate change risks across the site, including high winds, flooding and extreme heat. Consequences to the site included potential equipment damage and loss of productivity. This work identified opportunities for the site to continue to effectively manage climate risk, including opportunities that can be deployed at other sites. The recommendations are being addressed in the site's business continuity plan, as well as being tracked in the ERM. The risk assessment approach is providing a foundation to perform similar risk assessments across Amgen's portfolio starting in 2023.

Further information relating to material risks, including any related to climate, are discussed in our 10-K, which can be found at:

<https://investors.amgen.com/financials/annual-reports>

Cost of response

160000

Explanation of cost of response

This represents approximate external consulting fees for the portion of the risk assessment focusing on Amgen's Puerto Rico operations.

W4.2a

(W4.2a) Provide details of risks identified within your value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.

Country/Area & River basin

Please select

Stage of value chain

Supply chain

Type of risk & Primary risk driver

Acute physical	Other, please specify (Cyclone, hurricane, typhoon; Flood (coastal, fluvial, pluvial, groundwater); Heavy precipitation (rain, hail, snow/ice); Storm (including blizzards, dust, and sandstorms); Tornado; Wildfire)
----------------	---

Primary potential impact

Other, please specify (Increased indirect (operating) costs)

Company-specific description

Amgen relies on external supply chains for business-critical materials, including certain raw materials, medical devices and components necessary for the manufacturing of our commercial and clinical products. There is a potential for disruption within our global supply chain due to extreme weather events. Our suppliers, vendors and business partners face similar risks as described in Risk 1 and Risk 2.

Timeframe

1-3 years

Magnitude of potential impact

Low

Likelihood

About as likely as not

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)

500000

Potential financial impact figure - maximum (currency)

20000000

Explanation of financial impact

Based on Amgen's risk impact criteria, the minimum financial impact figure is <\$500K and the maximum figure >\$20M. These figures depend on how many external suppliers are negatively impacted by severe weather in a given year

Primary response to risk

Please select

Description of response

Description of response is considered confidential at this time

Cost of response

Explanation of cost of response

Explanation of cost of response is considered confidential at this time.

W4.3

(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes, we have identified opportunities, and some/all are being realized

W4.3a

(W4.3a) Provide details of opportunities currently being realized that could have a substantive financial or strategic impact on your business.

Type of opportunity

Efficiency

Primary water-related opportunity

Improved water efficiency in operations

Company-specific description & strategy to realize opportunity

Amgen leads with science and innovation to transform the health of people and strengthen society, the planet, and our enterprise. Amgen remains focused on the use of innovative approaches and processes to achieve the aspirations of our latest 2027 environmental sustainability plan. Our last 2027 environmental plan includes a company-wide plan to achieve a 40% water reduction by 2027 from a 2019 baseline. Amgen Ecovation is our approach to innovative and sustainable manufacturing, which we embed into the upfront design, development and execution of all new laboratory, manufacturing and administrative buildings. Our approach includes goals, strategies and metrics to measure and track our progress to mitigate our water footprint. Amgen completed externally-validated water studies at our major manufacturing sites to identify water reduction opportunities.

To achieve our water reduction target of 40%, we implement innovative water projects related to water treatment, recycling, and reducing primary usage in our facilities. Our cross-functional water sustainability team implements water projects and shares best practices across the enterprise, prioritizing water projects located in water stressed regions. For example, at our manufacturing site in Thousand Oaks, California, we introduced reverse osmosis technology, that saves 71,000 CM of water annually. Our Singapore facility uses breakthrough biomanufacturing technologies that reduced water use by 54%, as compared to conventional biotechnology manufacturing. Amgen Singapore's state-of-the-art wastewater treatment plant saves 25,500 cubic meters of water annually.

In January 2022, we received FDA approval for a new manufacturing facility in Rhode Island utilizing the same technologies as our facility in Singapore. In addition, in 2021 we announced plans for the construction of new facilities in Ohio and North Carolina. At both, we are embedding environmental sustainability into upfront project design, development, and execution.

Examples of other initiatives include:

- Assessing water meters to identify opportunities for water reductions at our sites
- Innovating new manufacturing technologies i.e., our latest FlexBatch to lower water use substantially
- Implementing green building design into new facilities expected to achieve LEED ratings
- Retrofitting existing facilities with green-building principles i.e., low-flush toilets
- Increasing the use of recycled water at our sites

Estimated timeframe for realization

4 to 6 years

Magnitude of potential financial impact

Low-medium

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

We are not reporting financial figures

W5. Facility-level water accounting

W5.1

(W5.1) For each facility referenced in W4.1c, provide coordinates, water accounting data, and a comparison with the previous reporting year.

Facility reference number

Facility 1

Facility name (optional)

Amgen Thousand Oaks

Country/Area & River basin

United States of America	Other, please specify (North Pacific - According to WWF Water Risk Filter Analysis Export)
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Latitude

34.192144

Longitude

-118.919522

Located in area with water stress

Yes

Primary power generation source for your electricity generation at this facility

<Not Applicable>

Oil & gas sector business division

<Not Applicable>

Total water withdrawals at this facility (megaliters/year)

766.87

Comparison of total withdrawals with previous reporting year

Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

766.87

Total water discharges at this facility (megaliters/year)

561.01

Comparison of total discharges with previous reporting year

Lower

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

480

Total water consumption at this facility (megaliters/year)

205.85

Comparison of total consumption with previous reporting year

Lower

Please explain

Amgen operates key R&D, manufacturing and product warehouse operations in Thousand Oaks, California, a region prone to seasonal wildfire risk. A substantial disruption in our ability to operate our Thousand Oaks manufacturing facility could materially and adversely affect our ability to supply our product candidates for use in our clinical trials, leading to delays in development of our product candidates. Temperature increases and lack of rainfall exacerbate drought conditions that extend the wildfire season thus increasing likelihood and severity of a fire event. Amgen has taken several precautions to limit the impacts of wildfires to its operations. Amgen has partnered with our insurance company for many years to leverage their 100 year-plus facility resiliency expertise that includes construction materials and methods. In 2022, Amgen performed a risk assessment to further our understanding of acute climate-related physical risk and from which to develop an enterprise-wide climate-risk management framework that meets the requirements of current and impending disclosure recommendations and laws. Starting in 2022, Amgen performed a qualitative assessment of climate-related risks at its Thousand Oaks facility. The results revealed additional insights regarding certain risks.

Facility reference number

Facility 2

Facility name (optional)

Amgen Manufacturing Limited

Country/Area & River basin

Puerto Rico	Other, please specify (Puerto Rico - According to WWF Water Risk Filter Export Analysis)
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Latitude

18.2274

Longitude

-65.92589

Located in area with water stress

Yes

Primary power generation source for your electricity generation at this facility

<Not Applicable>

Oil & gas sector business division

<Not Applicable>

Total water withdrawals at this facility (megaliters/year)

Comparison of total withdrawals with previous reporting year

Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

9.384

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

634.616

Total water discharges at this facility (megaliters/year)

385.9

Comparison of total discharges with previous reporting year

Lower

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

332.759

Total water consumption at this facility (megaliters/year)

258.09

Comparison of total consumption with previous reporting year

Lower

Please explain

Puerto Rico has recently been affected by natural disasters, including droughts in mid-2020 & Hurricane Maria in 2017. These natural disasters have affected, and may continue to affect, public and private properties and Puerto Rico's electric grid and communications networks in the future. Further instability of the electric grid could require us to increase the use of our generators. Amgen has taken precautions to limit the impacts of storm events. For example, Amgen manufacturing sites have redundant power generation sources in the event that severe weather halts operations. Amgen also maintains contracts to assure fuel replenishment for additional power generators to continue operations. Furthermore, Amgen's Puerto Rico facility operates a highly efficient cogeneration plant to increase redundancy.

In 2022, Amgen performed an initial risk assessment project to further our understanding of acute climate-related physical risk to increase resilience at the Puerto Rico facility. This risk assessment approach was constructed to be easily integrated into the existing Enterprise Risk Management (ERM) system. Amgen performed both a qualitative and quantitative assessment of risk to its Puerto Rico operations. This work identified opportunities for the site to continue to effectively manage climate risk, including opportunities that can be deployed at other sites. The recommendations are being addressed in the site's business continuity plan, as well as being tracked in the ERM.

W5.1a**(W5.1a) For the facilities referenced in W5.1, what proportion of water accounting data has been third party verified?****Water withdrawals – total volumes****% verified**

76-100

Verification standard used

Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on [amgen.com](https://www.amgen.com) at:

<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data>

Please explain

<Not Applicable>

Water withdrawals – volume by source

% verified

76-100

Verification standard used

Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on amgen.com at:

<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data>

Please explain

<Not Applicable>

Water withdrawals – quality by standard water quality parameters

% verified

76-100

Verification standard used

Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on amgen.com at:

<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data>

Please explain

<Not Applicable>

Water discharges – total volumes

% verified

76-100

Verification standard used

Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on amgen.com at:

<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data>

Please explain

<Not Applicable>

Water discharges – volume by destination

% verified

76-100

Verification standard used

Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on amgen.com at:

<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data>

Please explain

<Not Applicable>

Water discharges – volume by final treatment level

% verified

76-100

Verification standard used

Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on amgen.com at:

<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data>

Please explain

<Not Applicable>

Water discharges – quality by standard water quality parameters

% verified

76-100

Verification standard used

Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on amgen.com at:

<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data>

Please explain

<Not Applicable>

Water consumption – total volume

% verified

76-100

Verification standard used

Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on amgen.com at:

<https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data>

Please explain

<Not Applicable>

W6. Governance

W6.1

(W6.1) Does your organization have a water policy?

Yes, we have a documented water policy, but it is not publicly available

W6.1a

(W6.1a) Select the options that best describe the scope and content of your water policy.

Scope	Content	Please explain
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	Scope	Content	Please explain
Row 1	Company-wide	<p>Description of the scope (including value chain stages) covered by the policy</p> <p>Description of business dependency on water</p> <p>Description of business impact on water</p> <p>Commitment to align with international frameworks, standards, and widely-recognized water initiatives</p> <p>Commitment to reduce water withdrawal and/or consumption volumes in direct operations</p> <p>Commitment to reduce water withdrawal and/or consumption volumes in supply chain</p> <p>Commitment to safely managed Water, Sanitation and Hygiene (WASH) in the workplace</p> <p>Commitment to safely managed Water, Sanitation and Hygiene (WASH) in local communities</p> <p>Commitment to stakeholder education and capacity building on water security</p> <p>Commitment to water stewardship and/or collective action</p> <p>Commitments beyond regulatory compliance</p> <p>Reference to company water-related targets</p> <p>Acknowledgement of the human right to water and sanitation</p> <p>Recognition of environmental linkages, for example, due to climate change</p>	<p>Our water policy focuses on water management, compliance, and improving our water stewardship in the communities in which we operate globally, as we recognize that water-related issues are highly localized to each respective geographical region. Therefore, we strive to use water responsibly as we recognize that water is a crucial resource necessary to all stakeholders in each community and necessary for our operations to serve our patients. Our Environmental Sustainability Policy includes a commitment to setting water targets, commitments beyond regulatory compliance, incorporating innovation and efficiency, awareness and education and commitment to water stewardship.</p> <p>Amgen leads with science and innovation to transform the health of people and strengthen society, the planet, and our enterprise. Amgen remains focused on the use of innovative approaches and processes to achieve the aspirations of our latest 2027 environmental sustainability plan. Our last 2027 environmental plan includes a company-wide plan to achieve a 40% water reduction by 2027 from a 2019 baseline. Amgen Ecovation is our approach to innovative and sustainable manufacturing, which we embed into the upfront design, development and execution of all new laboratory, manufacturing and administrative buildings. Our approach includes goals, strategies and metrics to measure and track our progress to mitigate our water footprint. Amgen completed externally-validated water studies at our major manufacturing sites to identify water reduction opportunities.</p> <p>To achieve our water reduction target of 40%, we implement innovative water projects related to water treatment, recycling, and reducing primary usage in our facilities. Our Team regularly tracks and monitors each major Amgen sites' water use using our centralized environmental management system to benchmark our progress. Our cross-functional water sustainability team implements water projects and shares best practices across the enterprise, prioritizing water projects located in water stressed regions. For example, at our manufacturing site in Thousand Oaks, California, we introduced reverse osmosis technology, that saves 71,000 CM of water annually. Our Singapore facility uses breakthrough biomanufacturing technologies that reduced water use by 54%, as compared to conventional biotechnology manufacturing. Amgen Singapore's state-of-the-art wastewater treatment plant saves 25,500 cubic meters of water annually.</p>

W6.2

(W6.2) Is there board level oversight of water-related issues within your organization?

Yes

W6.2a

(W6.2a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for water-related issues.

Position of individual or committee	Responsibilities for water-related issues
Board-level committee	<p>ESG at Amgen is governed at the highest levels and includes Board and committee oversight, executive-level leadership, and subject-matter experts who lead our ESG efforts across our business.</p> <p>Amgen has a diverse and independent Board of Directors, elected annually by a majority of our stockholders.</p> <p>The Board and its applicable committees provide guidance and oversight to management with respect to ESG matters. The Corporate Responsibility and Compliance Committee assists the Board in overseeing our activities in areas that include environmental sustainability. The Audit Committee provides oversight of our disclosure controls and procedures, including those that support our ESG reporting metrics.</p> <p>Amgen's executive management provides regular updates to the Board and its committees regarding the status and progress of the Company's ESG activities.</p> <p>In 2021, we announced our board-approved 2027 Environmental Sustainability plan, which includes a 40 percent reduction in water intake from a 2019 baseline.</p>
Chief Executive Officer (CEO)	<p>Water and environmental sustainability related issues are reviewed with Amgen's Chief Executive Officer (CEO) and CEO's direct reports. Our cross-functional executive-level ESG Council sets and reviews the Company's ESG strategy and programs. The Council is chaired by the Senior Vice President of Corporate Affairs.</p> <p>Four initiative steering committees (ISCs), each aligned with one of our four strategic pillars, support the ESG Council. Each ISC coordinates the implementation of the strategy for its respective pillar and integrates our ESG strategy into the Company with the support of subject-matter-expert working teams. ISC members identify emerging ESG issues that could impact Amgen's business, employees, communities or stakeholders and, when appropriate, raise them with the ESG Council for discussion and analysis.</p> <p>In 2021, we announced our CEO-approved 2027 Environmental Sustainability plan, which includes a 40 percent reduction in water intake from a 2019 baseline.</p>
Other, please specify (Board-Level Committee ((Corporate Responsibility and Compliance Committee))	The Corporate Responsibility and Compliance Committee (CRCC) assists the Board with oversight of Amgen's activities in areas that include environmental sustainability, including water-related issues.
Other, please specify (Board-level committee (Compensation and Management Development Committee))	The Compensation and Management Development Committee oversees human capital management, as well as executive talent management, development, and succession planning. Also oversees our compensation policies and practices and incentive program administration and design, including ESG related goals in our annual incentive plan applicable to all staff members.
Other, please specify (Board-level committee (Audit Committee))	The Audit Committee provides oversight of our disclosure processes in support of our ESG reporting metrics. Amgen's executive management provides regular updates to the Board and its applicable committees regarding the status and progress of the Company's ESG activities.

W6.2b

(W6.2b) Provide further details on the board's oversight of water-related issues.

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Sporadic - as important matters arise	<p>Monitoring implementation and performance</p> <p>Monitoring progress towards corporate targets</p> <p>Overseeing acquisitions, mergers, and divestitures</p> <p>Overseeing major capital expenditures</p> <p>Overseeing the setting of corporate targets</p> <p>Providing employee incentives</p> <p>Reviewing and guiding annual budgets</p> <p>Reviewing and guiding corporate responsibility strategy</p> <p>Reviewing and guiding major plans of action</p> <p>Reviewing and guiding strategy</p> <p>Reviewing innovation/R&D priorities</p> <p>Other, please specify (Monitoring developments in legal and external landscape)</p>	<p>Amgen has a diverse and independent Board of Directors, elected annually by a majority of our stockholders. The Amgen Board of Directors and its applicable committees oversee Amgen's Environmental, Social and Governance (ESG) strategy.</p> <p>In 2022, the Board of Directors held 9 meetings in 2022 and all of the directors attended at least 75% of the total number of meetings of the Board and committees on which they served. At each regular meeting of the Board, each Committee Chair provides a report summarizing committee meetings to the full Board. In 2022, the Board of Directors or its Committees received updates on milestones achieved, progress against 2027 environmental sustainability plan, the integration of sustainability into key business processes, industry benchmarking and trends, ESG governance at the Company, external ratings companies and overview, reporting and external communications, and ongoing initiatives, strategy, and risk management.</p>

W6.2d

(W6.2d) Does your organization have at least one board member with competence on water-related issues?

	Board member(s) have competence on water-related issues	Criteria used to assess competence of board member(s) on water-related issues	Primary reason for no board-level competence on water-related issues	Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future
Row 1	Yes	Amgen has board members with competence on climate-related issues, including water-related issues through their service on public company boards in other industries (including petroleum, energy, science and technology, transportation, and aerospace industries). Additionally, many of our board members have been high-level executives at multinational companies and have experience with physical and transitional risks associated with climate change.	<Not Applicable>	<Not Applicable>

W6.3

(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).

Name of the position(s) and/or committee(s)

Other committee, please specify (The Corporate Responsibility and Compliance Committee (CRCC))

Water-related responsibilities of this position

Assessing water-related risks and opportunities
 Managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

Annually

Please explain

The Corporate Responsibility and Compliance Committee (CRCC) assists the Board with oversight of Amgen's ESG strategy and activities in areas that include environmental sustainability and other climate-related issues.

Name of the position(s) and/or committee(s)

Other committee, please specify (ESG Council)

Water-related responsibilities of this position

Assessing water-related risks and opportunities
 Managing water-related risks and opportunities
 Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues

Annually

Please explain

Our cross-functional executive-level ESG Council sets and reviews the Company's ESG strategy and programs. The Council is chaired by the Senior Vice President of Corporate Affairs. The Senior Vice President of Corporate Affairs provides routine updates to the Corporate Responsibility and Compliance Committee.

For example, in 2022 the ESG Council reviewed topics including but not limited to: ESG Ratings and Climate-related disclosures, Science Based Target Initiative (SBTi), Scope 3 Carbon Strategy.

Name of the position(s) and/or committee(s)

Other committee, please specify (Initiative Steering Committee (ISC))

Water-related responsibilities of this position

Assessing water-related risks and opportunities
 Managing water-related risks and opportunities
 Monitoring progress against water-related corporate targets

Frequency of reporting to the board on water-related issues

Annually

Please explain

Amgen's Healthy Planet Initiative Steering Committees (ISC) coordinates the implementation of the strategy for its respective ESG framework pillar and integrates our ESG strategy into the Company with the support of subject-matter-expert working teams. ISC members identify emerging ESG issues that could impact Amgen's business, employees, communities or stakeholders and, when appropriate, raise them with the ESG Council for discussion and analysis, as needed.

For example, in 2022 the Healthy Planet ISC reviewed topics including but not limited to: Environmental and Responsible Sourcing Goals, Sustainability and Scope 3 Carbon Strategy, Green Financing Framework and Green Bond, Science Based Target Initiative, Electric Vehicle Fleet Forecasting, Task Force for Climate Related Disclosure (TCFD), CDP Reporting, Engagement and Volunteer Strategy, Climate Position Statement.

Name of the position(s) and/or committee(s)

Other, please specify (Chief Executive Officer (CEO) and Chair of the Board)

Water-related responsibilities of this position

Setting water-related corporate targets

Frequency of reporting to the board on water-related issues

Annually

Please explain

Climate and environmental sustainability related issues are reviewed with Amgen's Chief Executive Officer (CEO) and CEO's direct reports. The CEO and CEO direct reports monitor progress against goals and targets, providing guiding strategy and major plans of action. Ultimately responsible for assessing and approving our 2027 Environmental Sustainability Plan strategy, including our target of achieving carbon neutrality in our operations.

Name of the position(s) and/or committee(s)

Other, please specify (Compensation and Management Development Committee)

Water-related responsibilities of this position

Providing water-related employee incentives

Frequency of reporting to the board on water-related issues

Annually

Please explain

The Compensation & Management Development Committee oversees human capital management, executive talent management, development, & succession planning. It oversees our compensation policies and practices & incentive program administration & design, including the ESG related goal in our annual incentive plan applicable to all staff members. The Committee meets at least four times per year. In 2022, the Committee met 5 times. To build the infrastructure to support achievement of our 2027 environmental sustainability plan, our Compensation & Management Development Committee added an ESG goal to our 2021 Company performance goals for our annual cash incentive plan focused on two areas: an environmental goal & social responsibility goal. The environmental goal required development of annual auditable conservation targets, governance bodies, teams, & processes to oversee activities to deliver on such targets. In 2022, the Annual Cash Incentive Plan held a weight of 5% for our ESG performance

Name of the position(s) and/or committee(s)

Other, please specify (Audit Committee)

Water-related responsibilities of this position

Other, please specify (Oversight of Audit review for ESG related reporting and metrics)

Frequency of reporting to the board on water-related issues

Annually

Please explain

The Audit Committee provides oversight of our disclosure processes in support of our ESG reporting metrics. Amgen's executive management provides regular updates to the Board and its applicable committees regarding the status and progress of the Company's ESG activities.

Name of the position(s) and/or committee(s)

Other, please specify (Executive Vice President, Operations)

Water-related responsibilities of this position

Assessing water-related risks and opportunities
Managing water-related risks and opportunities
Monitoring progress against water-related corporate targets

Frequency of reporting to the board on water-related issues

Annually

Please explain

Amgen's executive management provides regular updates to the Board and its committees regarding the status and progress of the Company's ESG activities.

Name of the position(s) and/or committee(s)

Other, please specify (Environmental Sustainability Manager)

Water-related responsibilities of this position

Assessing water-related risks and opportunities
Managing water-related risks and opportunities
Managing value chain engagement on water-related issues

Frequency of reporting to the board on water-related issues

Not reported to board

Please explain

Executive Director of Engineering manages oversight of Environmental Sustainability 2027 Plan and progress towards corporate climate-related targets, in addition to managing the integration of climate-related issues into corporate strategy, value chain engagement, and carbon, water and waste operational assessments.

Name of the position(s) and/or committee(s)

Business unit manager

Water-related responsibilities of this position

Assessing water-related risks and opportunities
Managing water-related risks and opportunities
Monitoring progress against water-related corporate targets
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues

Annually

Please explain

Amgen's executive management provides regular updates to the Board and its committees regarding the status and progress of the Company's ESG activities.

W6.4

(W6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	Our 2027 environmental sustainability plan includes a goal of achieving carbon neutrality in our operations by 2027. The plan also includes goals to reduce water use by 40% and waste disposed by 75%. Our Compensation and Management Development Committee, or Compensation Committee, approved an expanded ESG goal for our 2022 plan designed to hold ourselves accountable for our 2027 environmental sustainability goals and to expand the number of leaders directly responsible for action in support of our diversity, inclusion, and belonging program. The environmental portion of the 2022 ESG goal focused on the following areas by requiring: Timely achievement of specific conservation targets for carbon, water, and waste disposed in 2022, measured as a percentage of our 2027 environmental plan goals, and establishment of a Company approved strategy for engaging certain key suppliers to improve their Scope 3 carbon emissions.

W6.4a

(W6.4a) What incentives are provided to C-suite employees or board members for the management of water-related issues (do not include the names of individuals)?

	Role(s) entitled to incentive	Performance indicator	Contribution of incentives to the achievement of your organization's water commitments	Please explain
Monetary reward	Corporate executive team	Reduction of water withdrawals – direct operations Reduction in water consumption volumes – direct operations	Environmental, Social and Governance goals, including water reduction targets, are part of our Company-wide performance goals and are included in our annual incentive compensation plan applicable to our named executive officers.	Environmental, Social and Governance goals, including water reduction targets, are part of our Company-wide performance goals and are included in our annual incentive compensation plan applicable to our named executive officers.
Non-monetary reward	No one is entitled to these incentives	<Not Applicable>	<Not Applicable>	We have not currently identified non-monetary rewards for C-Suite employees or board members.

W6.5

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?

Yes, trade associations

W6.5a

(W6.5a) What processes do you have in place to ensure that all of your direct and indirect activities seeking to influence policy are consistent with your water policy/water commitments?

The Director of Environment and Sustainability and the Global Water Program Manager own Amgen's water policy and water commitments. They are also the responsible individuals who engage directly with trade organizations who at times may seek to influence water related policy.

W6.6

(W6.6) Did your organization include information about its response to water-related risks in its most recent mainstream financial report?

No, but we plan to do so in the next two years

W7. Business strategy

W7.1

(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	5-10	<p>Amgen has a longstanding objective to conduct its operations in an environmentally responsible manner, and we regularly set targets to challenge ourselves. We have successfully advanced our environmental sustainability program since 2007 while increasing our global production capacity and expanding our presence to approximately 100 countries. Investing in sustainable operations can also improve efficiency and create value. In 2021, we introduced our latest environmental sustainability program that includes a target to reduce water intake by 40% from base year 2019. In 2022, we achieved 23% of our water target. We are further embedding environmental sustainability into the business as we expand our operations. Amgen Ecovation is our approach to innovative and sustainable manufacturing, which we embed into the upfront design, development and execution of all new laboratory, manufacturing and administrative buildings — by using cutting-edge technologies to be more efficient and environmentally friendly than traditional plants.</p> <p>Examples of other initiatives include:</p> <ul style="list-style-type: none"> Assessing water meters to identify opportunities for water reductions at our sites Innovating new manufacturing technologies i.e., our latest FlexBatch to lower water use substantially Implementing green building design into new facilities expected to achieve LEED ratings Retrofitting existing facilities with green-building principles i.e., low-flush toilets Increasing the use of recycled water at our sites
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	<p>In 2021, we established a target to reduce water consumption by 40% from a 2019 baseline. In support of this new target, we completed externally validated water studies at each of our major manufacturing sites to identify water reduction opportunities. We established a cross-functional water sustainability team to share projects and best practices globally. We implement innovative water projects related to water treatment, recycling, and reducing primary usage in our facilities. Our cross-functional water sustainability team implements water projects and shares best practices across the enterprise, prioritizing water projects located in water stressed regions. For example, at our manufacturing site in Thousand Oaks, California, we introduced reverse osmosis technology, that saves 71,000 CM of water annually. Our Singapore facility uses breakthrough biomanufacturing technologies that reduced water use by 54%, as compared to conventional biotechnology manufacturing. Amgen Singapore's state-of-the-art wastewater treatment plant saves 25,500 cubic meters of water annually.</p> <p>In January 2022, we received FDA approval for a new manufacturing facility in Rhode Island utilizing the same technologies as our facility in Singapore. At both of our new biomanufacturing sites in Ohio & North Carolina (both currently under construction), we are embedding environmental sustainability into upfront project design, development, and execution.</p>
Financial planning	Yes, water-related issues are integrated	5-10	<p>As part of our 2027 Environmental Sustainability Plan, we have set a 2027 target to reduce water usage by 40% of our 2019 baseline. Our continued investment in environmental sustainability has not only reduced our impact on the planet but also allowed us to be more efficient, productive, and resilient, resulting in reduced operating costs. A Capital and Operating expense budget is included in Amgen's approved 2027 Environmental Sustainability plan.</p>

W7.2

(W7.2) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?

Row 1

Water-related CAPEX (+/- % change)

17064

Anticipated forward trend for CAPEX (+/- % change)

-96

Water-related OPEX (+/- % change)

-8.76

Anticipated forward trend for OPEX (+/- % change)

-8.6

Please explain

Our Water-related CAPEX % change and our Water-related CAPEX anticipated forward trend is primarily based on sustainability-funded projects . Our Water-related OPEX % change and our Water-related OPEX anticipated forward trend is based on our Global Water Consumption that is publicly available in our annual 2022 ESG Report.

W7.3

(W7.3) Does your organization use scenario analysis to inform its business strategy?

	Use of scenario analysis	Comment
Row 1	Yes	Yes, qualitative, but we plan to add quantitative in the next two years.

W7.3a

(W7.3a) Provide details of the scenario analysis, what water-related outcomes were identified, and how they have influenced your organization's business strategy.

	Type of scenario analysis used	Parameters, assumptions, analytical choices	Description of possible water-related outcomes	Influence on business strategy
Row 1	Climate-related	In 2022, we applied an RCP 4.5 (moderate scenario) to screen physical risks for a number of climate hazards for our two largest operational sites, Thousand Oaks and Juncos in Puerto Rico, and the Amgen Ohio site currently in development. Amgen then performed a comprehensive, quantitative risk assessment for our site in Puerto Rico. This work has provided Amgen with critical data that will be used to inform a robust scenario analysis of other physical as well as transitional scenarios, a project that started in 2023. The results of the risk assessment are also informing the development of an enterprise-wide climate risk assessment approach which will be deployed starting in 2023.	Amgen continues to evaluate the short-, mid- and long-term climate-related risks that might impact business practices and operations. Task. In 2022, Amgen performed a risk assessment at three major manufacturing and distribution facilities. Amgen focused on physical climate scenario, RCP 4.5 - a moderate scenario in which emissions peak around 2040 and then decline, as the first step in more extensive scenario analysis. Two operational sites, including our Thousand Oaks sites and our Puerto Rico site, and a site in development in Ohio were included in the risk assessment. The sites were selected due to their exposures to different acute climate hazards, including wildfires, hurricanes, tornadoes, and precipitation-related and riverine flooding. Hazards were considered across short-, medium- and long-term timeframes. The sites were selected due to their exposures to different acute climate hazards, including wildfires, hurricanes, tornadoes, and precipitation-related and riverine flooding. Amgen performed screening level, qualitative assessments at the three sites and a comprehensive, quantitative, risk assessment at the Puerto Rico site, using an approach that is aligned with TCFD recommendations.	Amgen's business resilience framework has four main components: prevent, defend, respond, and recover. Better understanding climate change will improve Amgen's ability to "prevent" the associated risks through accurately assessing location vulnerabilities, conducting proactive business impact analysis, and implementing more effective mitigation measures. It will also help "defend" against climate risks through improving Amgen's business continuity, disaster recovery, and emergency management planning. In 2022, Amgen performed a risk assessment at three major manufacturing and distribution facilities. Amgen performed screening level, qualitative assessments at the three sites and a comprehensive, quantitative, risk assessment at the Puerto Rico site, using an approach that is aligned with TCFD recommendations. The work sought to address multiple questions, including: which assets are located in areas with potential climate-related hazards? What are the greatest risks? What is the rough order of magnitude of the value associated with the risk? What mitigation measures could be deployed to reduce risk? The goal of this work was to generate a starting point for more comprehensive scenario analysis across Amgen's sites. This more extensive scenario analysis work began in early 2023 and considers multiple physical and transition risks.

W7.4

(W7.4) Does your company use an internal price on water?

Row 1

Does your company use an internal price on water?

Yes

Please explain

We apply an internal price of water of \$80 per cubic meter as an investment evaluator and to enhance the financial attractiveness of water efficient equipment and projects. Based on historical projects, we determined that \$80 per cubic meter is required to drive innovation and efficiency into internal projects that might not otherwise have desirable returns on investment.

W7.5

(W7.5) Do you classify any of your current products and/or services as low water impact?

	Products and/or services classified as low water impact	Definition used to classify low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	Yes	We consider products from our innovative biotechnology manufacturing facilities to have lower water impacts than traditional facilities.	<Not Applicable>	Products from our innovative biotechnology manufacturing facilities in Rhode Island and Singapore use less water to produce the same materials than traditional manufacturing facilities and therefore have a lower water footprint. The technology at these manufacturing facilities is also being incorporated into our new Ohio and North Carolina facilities.

W8. Targets

W8.1

(W8.1) Do you have any water-related targets?

Yes

W8.1a

(W8.1a) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.

	Target set in this category	Please explain
Water pollution	No, and we do not plan to within the next two years	No, and we do not plan to within the next two years
Water withdrawals	Yes	<Not Applicable>
Water, Sanitation, and Hygiene (WASH) services	No, and we do not plan to within the next two years	No, and we do not plan to within the next two years
Other	No, and we do not plan to within the next two years	Not relevant.

W8.1b

(W8.1b) Provide details of your water-related targets and the progress made.

Target reference number

Target 1

Category of target

Water withdrawals

Target coverage

Company-wide (direct operations only)

Quantitative metric

Other, please specify (As part of our 2027 Environmental Sustainability Plan, we have set a 2027 target to reduce our water usage by 40% from our 2019 baseline.)

Year target was set

2021

Base year

2019

Base year figure**Target year**

2027

Target year figure**Reporting year figure****% of target achieved relative to base year**

<Calculated field>

Target status in reporting year

Underway

Please explain

In January 2021, Amgen announced our 2027 Environmental Sustainability Plan. This plan includes a 40% water reduction target by 2027 from our 2019 baseline. We plan to achieve this water reduction target through water efficiency initiatives and application of innovative technologies.

W9. Verification

W9.1

(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?

Yes

W9.1a

(W9.1a) Which data points within your CDP disclosure have been verified, and which standards were used?

Disclosure module	Data verified	Verification standard	Please explain
W1 Current state	Water withdrawal, water fate and percentage of water recycled. Water fate includes: consumed into products, lost to evaporation, discharged to treatment, discharged to environment and recycled.	ISAE 3000	Amgen annually engages a third party to conduct an independent assurance of selected environmental data. The statement regarding 2022 data is available on amgen.com at: https://wwwext.amgen.com/responsibility/reporting-and-metrics/summary-of-data

W10. Plastics

W10.1

(W10.1) Have you mapped where in your value chain plastics are used and/or produced?

	Plastics mapping	Value chain stage	Please explain
Row 1	Yes	Direct operations Supply chain Product use phase	Consumed in the research and development and manufacturing process that we dispose at the site level. Product packaging phase that is disposed by hospitals and/or our customers. We map the plastic used in our product use phase.

W10.2

(W10.2) Across your value chain, have you assessed the potential environmental and human health impacts of your use and/or production of plastics?

	Impact assessment	Value chain stage	Please explain
Row 1	Yes	Supply chain Product use phase	We performed some life cycle assessments in our product packaging including plastic components and we have planned to perform LCAs on process plastics in the future.

W10.3

(W10.3) Across your value chain, are you exposed to plastics-related risks with the potential to have a substantive financial or strategic impact on your business? If so, provide details.

	Risk exposure	Value chain stage	Type of risk	Please explain
Row 1	Yes	Direct operations Product use phase	Regulatory Reputational	We may face regulatory and reputational risks due to the increasing regulation around the recyclability and recycled content of plastics.

W10.4

(W10.4) Do you have plastics-related targets, and if so what type?

	Targets in place	Target type	Target metric	Please explain
Row 1	Yes	Waste management	Other, please specify (We have a 2027 Sustainability Target to reduce our Waste Disposed by 75% from our 2019 baseline.)	We have a 2027 Sustainability Target to reduce our Waste Disposed by 75% from our 2019 baseline.

W10.5

(W10.5) Indicate whether your organization engages in the following activities.

	Activity applies	Comment
Production of plastic polymers	No	No.
Production of durable plastic components	No	No.
Production / commercialization of durable plastic goods (including mixed materials)	No	No.
Production / commercialization of plastic packaging	No	No.
Production of goods packaged in plastics	Yes	We use plastic packaging to hold and protect our drug products.
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	Yes	We use plastic packaging to hold and protect our drug products.

W10.8

(W10.8) Provide the total weight of plastic packaging sold and/or used, and indicate the raw material content.

	Total weight of plastic packaging sold / used during the reporting year (Metric tonnes)	Raw material content percentages available to report	% virgin fossil-based content	% virgin renewable content	% post-industrial recycled content	% post-consumer recycled content	Please explain
Plastic packaging sold	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Plastic packaging used	874.92	% virgin fossil-based content	100	<Not Applicable>	<Not Applicable>	<Not Applicable>	Our product packaging metrics are currently only for secondary packaging in the product use phase.

W10.8a

(W10.8a) Indicate the circularity potential of the plastic packaging you sold and/or used.

	Percentages available to report for circularity potential	% of plastic packaging that is reusable	% of plastic packaging that is technically recyclable	% of plastic packaging that is recyclable in practice at scale	Please explain
Plastic packaging sold	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Plastic packaging used	% technically recyclable % recyclable in practice and at scale	<Not Applicable>	18.2	2.4	Our product packaging metrics are currently only for secondary packaging in the product use phase.

W11. Sign off

W-FI

(W-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.

Not applicable.

W11.1

(W11.1) Provide details for the person that has signed off (approved) your CDP water response.

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

SW. Supply chain module

SW0.1

(SW0.1) What is your organization's annual revenue for the reporting period?

	Annual revenue
Row 1	

SW1.1

(SW1.1) Could any of your facilities reported in W5.1 have an impact on a requesting CDP supply chain member?

Please select

SW1.2

(SW1.2) Are you able to provide geolocation data for your facilities?

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	Please select	

SW2.1

(SW2.1) Please propose any mutually beneficial water-related projects you could collaborate on with specific CDP supply chain members.

SW2.2

(SW2.2) Have any water projects been implemented due to CDP supply chain member engagement?

Please select

SW3.1

(SW3.1) Provide any available water intensity values for your organization's products or services.

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.

No

Please confirm below

I have read and accept the applicable Terms