Amgen, Inc. - Water 2018

W0. Introduction

W0.1

(W0.1) Give a general description of and introduction to your organization.

Amgen discovers, develops, manufactures, and delivers innovative human therapeutics. A biotechnology pioneer since 1980, Amgen was one of the first companies to realize the new science's promise by bringing safe, effective medicines from lab to manufacturing plant to patient. Amgen therapeutics have changed the practice of medicine, helping people around the world in the fight against serious illnesses. With a deep and broad pipeline of potential new medicines, Amgen remains committed to advancing science to dramatically improve people's lives. For more information, visit www.amgen.com and follow us on www.twitter.com/amgen.

This response contains forward-looking statements that are based on the current expectations and beliefs of Amgen. All statements, other than statements of historical fact, are statements that could be deemed forward-looking statements, including estimates of revenues, operating margins, capital expenditures, cash, other financial metrics, expected legal, arbitration, political, regulatory or clinical results or practices, customer and prescriber patterns or practices, reimbursement activities and outcomes and other such estimates and results. Forward-looking statements involve significant risks and uncertainties, including those discussed below and more fully described in the Securities and Exchange Commission reports filed by Amgen, including our most recent annual report on Form 10-K and any subsequent periodic reports on Form 10-Q and current reports on Form 8-K. Unless otherwise noted, Amgen is providing this information as of June 2018 and does not undertake any obligation to update any forward-looking statements contained in this response as a result of new information, future events or otherwise.

No forward-looking statement can be guaranteed and actual results may differ materially from those we project. Our results may be affected by our ability to successfully market both new and existing products domestically and internationally, clinical and regulatory developments involving current and future products, sales growth of recently launched products, competition from other products including biosimilars, difficulties or delays in manufacturing our products and global economic conditions. In addition, sales of our products are affected by pricing pressure, political and public scrutiny and reimbursement policies imposed by third-party payers, including governments, private insurance plans and managed care providers and may be affected by regulatory, clinical and guideline developments and domestic and international trends toward managed care and healthcare cost containment. Furthermore, our research, testing, pricing, marketing and other operations are subject to extensive regulation by domestic and foreign government regulatory authorities. We or others could identify safety, side effects or manufacturing problems with our products, including our devices, after they are on the market. Our business may be impacted by government investigations, litigation and product liability claims. We perform a substantial amount of our commercial manufacturing activities at a few key facilities, including in Puerto Rico, and also depend on third parties for a portion of our manufacturing activities, and limits on supply may constrain sales of certain of our current products and product candidate development. Further, some raw materials, medical devices and component parts for our products are supplied by sole third-party suppliers. Certain of our distributors, customers and payers have substantial purchasing leverage in their dealings with us. The discovery of significant problems with a product similar to one of our products that implicate an entire class of products could have a material adverse effect on sales of the affected products and on our business and results of operations. Our efforts to acquire other companies or products and to integrate the operations of companies we have acquired may not be successful. A breakdown, cyberattack or information security breach could compromise the confidentiality, integrity and availability of our systems and our data. Our stock price is volatile and may be affected by a number of events. Our business performance could affect or limit the ability of our Board of Directors to declare a dividend or our ability to pay a dividend or repurchase our common stock. We may not be able to access the capital and credit markets on terms that are favorable to us, or at all.

A number of questions in this response require us to select from a list of several multiple-choice responses. In each such case, the multiple-choice response we have selected is qualified in its entirety by the more detailed narrative explanation we have provided.

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 2017	December 31 2017

W0.3

(W0.3) Select the countries/regions for which you will be supplying data.

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

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 small sales offices is excluded.	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage. Typically, small sales offices are leased and are not under our operational control. Recent acquisitions that have not completed the integration process are not included.

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	Important	As a raw material, water is vital for manufacturing our medicines. We respect water as a resource that is essential to our communities and to Amgen's business of discovering, developing, and manufacturing innovative medicines.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Neutral	We use recycled water at our facilities, and this allows us greater capacity to reduce consumption of municipal water.

W1.2

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

	% of sites/facilities/operations	Please explain
Water withdrawals – total volumes	76-99	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Water withdrawals – volumes from water stressed areas	Not relevant	We currently are not withdrawing water from severely water stressed areas.
Water withdrawals – volumes by source	76-99	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Produced water associated with your metals & mining sector activities - total volumes	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes	<Not Applicable>	<Not Applicable>
Water withdrawals quality	1-25	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Water discharges – total volumes	76-99	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Water discharges – volumes by destination	76-99	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Water discharges – volumes by treatment method	76-99	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Water discharge quality – by standard effluent parameters	76-99	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Water discharge quality – temperature	1-25	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Water consumption – total volume	76-99	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
Water recycled/reused	76-99	The scope of our data collection is our 19 manufacturing, research and development, and distribution facilities in the U.S. (including Puerto Rico), Netherlands, U.K., Ireland, Canada, Brazil, Singapore and Turkey. These facilities account for 94 percent of our operations based on square footage.
The provision of fully-functioning, safely managed WASH services to all workers	100%	We provide these services to all workers.

W1.2b

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

	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Total withdrawals	2320	Lower	This includes groundwater and municipal water.
Total discharges	1681	Lower	This includes water discharged to treatment (POTW)and discharged directly to the environment (irrigation).
Total consumption	638	About the same	This includes water consumed into products and lost to evaporation.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant	<Not Applicable>	<Not Applicable>	We do not withdraw fresh surface water.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	We do not withdraw brackish surface water/seawater.
Groundwater – renewable	Relevant	27	Higher	We withdraw a small portion of well water at one facility.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	We do not withdraw non-renewable groundwater.
Produced water	Not relevant	<Not Applicable>	<Not Applicable>	We do not have produced water .
Third party sources	Relevant	2293	Lower	Most of the water we use comes from Municipal sources.

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water	Not relevant	<Not Applicable>	<Not Applicable>	We do not withdraw fresh surface water, therefore there is no discharge.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	We do not withdraw brackish surface water/seawater therefore there is no discharge.
Groundwater	Relevant	191	Lower	Discharged directly to the environment in the form of landscape irrigation.
Third-party destinations	Relevant	1490	Lower	The majority of our discharged water goes to publicly owned treatment facilities.

W1.2j

(W1.2j) What proportion of your total water use do you recycle or reuse?

	% recycled and reused	Comparison with previous reporting year	Please explain
Row 1	26-50	Lower	We work to maximize the amount of water recovered for recycling or reuse, particularly at our facility in Puerto Rico, which features a water treatment and recycling plant that processes wastewater to a standard above potable levels.

W1.4

(W1.4) Do you engage with your value chain on water-related issues?

Yes, our suppliers

W1.4a

(W1.4a) What proportion of suppliers do you request to report on their water use, risks and/or management information and what proportion of your procurement spend does this represent?

Row 1

% of suppliers by number

1-25%

% of total procurement spend

26-50

Rationale for this coverage

Recognizing the importance of our relationships with suppliers, we have developed a Supplier Sustainability Program that is designed to ensure that our suppliers not only address quality, cost and reliability requirements, but also a wide range of sustainability considerations, including environmental impacts. In 2017, Amgen implemented the first phase of its Supplier Sustainability Assessment to evaluate the performance of our key suppliers against the requirements of our Supplier Code of Conduct. This includes that suppliers shall operate in an environmentally responsible and efficient manner to minimize adverse impacts on the environment. Suppliers are encouraged to conserve natural resources, to engage in reuse and recycling programs, and where possible, to avoid the use of hazardous materials. The first phase of this Assessment focused on those suppliers that are most important to Amgen's business because of the nature and/or volume of products or services they provide.

Impact of the engagement and measures of success

The Supplier Performance Assessment, conducted by an independent third party, provides the basis for increased understanding of suppliers' performance across a wide range of issues, including management of water issues, while ensuring that suppliers are aware of our performance expectations. Results of the Assessment facilitate a dialogue with suppliers about areas where performance improvement should be focused. Through 2017, 59 suppliers have been evaluated. The long-term goal is to improve the sustainability performance of our strategic suppliers, including management of water.

Comment

W1.4b

(W1.4b) Provide details of any other water-related supplier engagement activity.

Type of engagement
Onboarding & compliance

Details of engagement
Requirement to adhere to our code of conduct regarding water stewardship and management

% of suppliers by number
1-25

% of total procurement spend
26-50

Rationale for the coverage of your engagement
Amgen’s extensive global network of suppliers is not only vital to our ability to provide high-quality medicines reliably and efficiently, it also represents an opportunity to extend our ability to positively impact the communities and environments in which we operate. Recognizing the importance of our relationships with suppliers to achieve our mission, we have developed a Supplier Sustainability Program that is designed to ensure that our suppliers not only address quality, cost and reliability requirements, but also a wide range of sustainability and Corporate Social Responsibility considerations, in such areas as business ethics, labor and human rights, and environmental impacts. In 2017, Amgen implemented the first phase of its Supplier Sustainability Assessment to evaluate the performance of our key suppliers against the requirements of our Supplier Code of Conduct. This includes that suppliers shall minimize their use of natural resources.

Impact of the engagement and measures of success
The Supplier Performance Assessment, conducted by an independent third party, provides the basis for increased understanding of suppliers' performance across a wide range of issues, including management of carbon emissions, while ensuring that suppliers are aware of our performance expectations. Results of the Assessment facilitate a dialogue with suppliers about areas where performance improvement should be focused. Through 2017, 59 suppliers have been evaluated (a 28 percent increase from 2016). The long-term goal is to improve the sustainability performance of our strategic suppliers, including their use of water and management of wastewater.

Comment
To the extent that the water use or management of a supplier is found to be of concern, this triggers interaction and engagement with that supplier.

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?
No

W3. Procedures

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.

Direct operations

Coverage
Partial

Risk assessment procedure
Water risks are assessed as part of an enterprise risk management framework

Frequency of assessment
Annually

How far into the future are risks considered?
2 to 5 years

Type of tools and methods used
Enterprise Risk Management
Other

Tools and methods used
Other, please specify (Internal risk management evaluations)

Comment

Supply chain

Coverage
Partial

Risk assessment procedure
Water risks are assessed as part of other company-wide risk assessment system

Frequency of assessment
Annually

How far into the future are risks considered?
2 to 5 years

Type of tools and methods used
Other

Tools and methods used
Internal company methods

Comment

Other stages of the value chain

Coverage
None

Risk assessment procedure
<Not Applicable>

Frequency of assessment
<Not Applicable>

How far into the future are risks considered?
<Not Applicable>

Type of tools and methods used
<Not Applicable>

Tools and methods used
<Not Applicable>

Comment

W3.3b

(W3.3b) Which of the following contextual issues are considered in your organization's water-related risk assessments?

	Relevance & inclusion	Please explain
Water availability at a basin/catchment level	Relevant, always included	Included in analyses of water risk.
Water quality at a basin/catchment level	Not relevant, explanation provided	Water quality is considered at the specific source for a given facility, not at the basin/catchment level. As this is generally a municipal water supply, this is generally not an issue.
Stakeholder conflicts concerning water resources at a basin/catchment level	Relevant, sometimes included	Could be considered in relation to siting of a facility.
Implications of water on your key commodities/raw materials	Relevant, always included	
Water-related regulatory frameworks	Relevant, always included	
Status of ecosystems and habitats	Relevant, not included	As we do typically draw from municipal water systems, this is generally not an issue.
Access to fully-functioning, safely managed WASH services for all employees	Relevant, always included	
Other contextual issues, please specify	Please select	

W3.3c

(W3.3c) Which of the following stakeholders are considered in your organization's water-related risk assessments?

	Relevance & inclusion	Please explain
Customers	Not relevant, explanation provided	Customers do not affect our water use or management.
Employees	Relevant, always included	We engage our employees to encourage water conservation.
Investors	Relevant, sometimes included	To the extent that investors raise concern about water, we integrate that into our decision-making and analyses
Local communities	Relevant, always included	
NGOs	Relevant, sometimes included	
Other water users at a basin/catchment level	Relevant, sometimes included	
Regulators	Relevant, always included	
River basin management authorities	Not relevant, explanation provided	We are not directly drawing water from rivers or river basins
Statutory special interest groups at a local level	Relevant, sometimes included	
Suppliers	Relevant, always included	
Water utilities at a local level	Relevant, always included	
Other stakeholder, please specify	Please select	

W3.3d

(W3.3d) 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.

Environmental risks, including potential water-related risks, are considered at a functional level within Environment, Health, Safety and Sustainability (EHSS). Various functions, including EHSS, make up a larger risk community within Amgen that elevates high level risks to the Amgen Enterprise Risk Management (ERM) process. Enterprise level risks are compared cross-functionally and organized into an executive level profile for reporting purposes.

Potential risks and oppurtunities are identified at a functional level. Prioritization occurs when potential risks are looked at within the larger risk community within the company.

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?

No

W4.1a

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

Potable water is a necessary resource to our manufacturing process. Should water become extremely scarce in regions where we manufacture our products, it could potentially have an impact on our manufacturing operations. This potential risk has been identified at a functional level within Environment, Health, Safety, and Sustainability and is considered a low potential risk.

W4.2b

(W4.2b) Why does your organization not consider itself exposed to water risks in its direct operations with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	As we evaluate water risk at our facilities, we have currently seen nothing that could potentially be a substantive risk. Our potential risk is continually monitored.

W4.2c

(W4.2c) Why does your organization not consider itself exposed to water risks in its value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	Supplier risk is evaluated continuously, and water has not been identified as a substantive risk.

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 staff seek opportunities to use new technologies and approaches to use water more efficiently companywide, such as: •Installing water-efficient fixtures for restrooms, breakrooms and other facilities. •Planting drought tolerant landscaping. •Integrating smart irrigation technology and water-wise irrigation. •Upgrading equipment and systems in central utilities. •Increasing efficiency in the generation of purified water for use in manufacturing. •Recycling water at selected sites. Our facility in Puerto Rico has a water recycling plant on site. •Pioneering Next-Generation Biomanufacturing technologies and facilities that conserve significant amounts of water. For example, we completed an exhaustive water audit at our headquarters in Southern California to seek greater opportunities for conservation in this drought-prone location. In addition to scouring data from water meters, we also took time to walk through and visually inspect sources of water in and around all of our buildings at this site. We could see that the water flow rates from bathroom and breakroom faucets in our older buildings were higher than necessary. Low flow faucet aerators —which can cut back flow by half or more—are simple devices that can provide huge water savings. By making this quick, low-cost fix to install low flow aerators on hundreds of faucets across our Thousand Oaks Campus, we expect to save 53,000 cubic meters, equating to approximately 21 Olympic swimming pools of water per year.

Estimated timeframe for realization

1 to 3 years

Magnitude of potential financial impact

Low-medium

Potential financial impact

Explanation of financial impact

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
Row 1	Company-wide	Description of business impact on water Description of water-related performance standards for direct operations Company water targets and goals Commitments beyond regulatory compliance Commitment to water-related innovation Commitment to stakeholder awareness and education Commitment to water stewardship and/or collective action	While our water policy focuses mainly on water management and compliance, 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.

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) of the individual(s) on the board with responsibility for water-related issues.

Position of individual	Please explain
Other, please specify (Board Committee)	Updates on Environmental Sustainability, which include water issues and progress toward achieving our water target, are provided to the Corporate Responsibility and Compliance Committee of the Board on a quarterly basis.

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	Reviewing and guiding corporate responsibility strategy	

W6.3

(W6.3) Below board level, provide the highest-level management position(s) or committee(s) with responsibility for water-related issues.

Name of the position(s) and/or committee(s)
Other committee, please specify (Compliance Committee)

Responsibility
Assessing water-related risks and opportunities

Frequency of reporting to the board on water-related issues
Annually

Please explain
Annual update on water related objectives and issues including water target, year in review, ongoing progress- 2020 plan. The Senior Vice President of Quality presents to the Compliance Committee. They provide approval and guidance on issues- make decisions on policy change and program improvements as needed.

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?
No

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	As part of our 2020 Environmental Sustainability Plan, we have set a 2020 target to reduce water usage by 10% of our 2012 baseline.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	As part of our 2020 Environmental Sustainability Plan, we have set a 2020 target to reduce water usage by 10% of our 2012 baseline.
Financial planning	No, water-related issues were not reviewed and there are no plans to do so	<Not Applicable>	

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?

	Water-related CAPEX (+/- % change)	Anticipated forward trend for CAPEX (+/- % change)	Water-related OPEX (+/- % change)	Anticipated forward trend for OPEX (+/- % change)	Please explain
Row 1					

W7.3

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

	Use of climate-related scenario analysis	Comment
Row 1	No plans for the next two years	

W7.4

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

Row 1

Does your company use an internal price on water?

No, and we do not anticipate doing so within the next two years

Please explain

W8. Targets

W8.1

(W8.1) Describe your approach to setting and monitoring water-related targets and/or goals.

	Levels for targets and/or goals	Monitoring at corporate level	Approach to setting and monitoring targets and/or goals
Row 1	Company-wide targets and goals	Targets are monitored at the corporate level	We have set a 2020 company-wide water target. To support achieving this, annual and facility-specific targets are set. ADD IN TARGET DESCRIPTION

W8.1a

(W8.1a) Provide details of your water targets that are monitored at the corporate level, and the progress made.

Target reference number
Target 1

Category of target
Water consumption

Level
Company-wide

Primary motivation
Reduced environmental impact

Description of target
As part of our 2020 Environmental Sustainability Plan, we have set a 2020 target to reduce water usage by 10% of our 2012 baseline. This equates to 269,000 cubic meters.

Quantitative metric
% reduction in total water consumption

Baseline year
2012

Start year
2013

Target year
2020

% achieved
99

Please explain
We are currently on track to achieve our 2020 water target.

W9. Linkages and trade-offs

W9.1

(W9.1) Has your organization identified any linkages or tradeoffs between water and other environmental issues in its direct operations and/or other parts of its value chain?
Yes

W9.1a

(W9.1a) Describe the linkages or tradeoffs and the related management policy or action.

Linkage or tradeoff
Linkage

Type of linkage/tradeoff
Decreased energy use

Description of linkage/tradeoff
We have created a portfolio of environmental projects and initiatives and track corresponding reductions of energy, carbon emissions and water. Often projects that reduce the use of process water reduce energy as well.

Policy or action
Amgen has an internal Environmental Sustainability policy, which requires setting, tracking and communicating progress toward achieving environmental targets.

Linkage or tradeoff
Linkage

Type of linkage/tradeoff
Decreased GHG emissions

Description of linkage/tradeoff
We have created a portfolio of environmental projects and initiatives and track corresponding reductions of energy, carbon emissions and water for each project and initiative. Often projects that reduce the use of process water reduce energy, and greenhouse gas emissions, as well. Energy reductions that are achieved typically result in decreased greenhouse gas emissions.

Policy or action
Amgen has an internal Environmental Sustainability policy, which requires setting, tracking and communicating progress toward achieving environmental targets.

Linkage or tradeoff
Linkage

Type of linkage/tradeoff
Decreased wastewater treatment

Description of linkage/tradeoff
Projects such as air change rate reductions and HVAC improvements reduce the amount of water used, resulting in less wastewater discharge from our facilities. This can result from less processing of water through cooling towers, less water loss through evaporation and less blowdown.

Policy or action
Amgen has an internal Environmental Sustainability policy, which requires setting, tracking and communicating progress toward achieving environmental targets.

W10. Verification

W10.1

(W10.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1d)?
Yes

W10.1a

(W10.1a) 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 and fate	ISAE3000	Amgen annually engages a third party to conduct and independent assurance of selected environmental data. The statement regarding 2017 data is available on amgen.com at: https://www.amgen.com/responsibility/reporting-and-metrics/summary-of-data/

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.

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, Environment, Health, Safety and Sustainability	EHS manager

W11.2

(W11.2) Please indicate whether your organization agrees for CDP to transfer your publicly disclosed data on your impact and risk response strategies to the CEO Water Mandate's Water Action Hub [applies only to W2.1a (response to impacts), W4.2 and W4.2a (response to risks)].

Yes

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

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

Please confirm below

I have read and accept the applicable Terms