

W0. Introduction

W0.1

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

Regeneron (NASDAQ: REGN) is a leading biotechnology company that invents life-transforming medicines for people with serious diseases. Founded and led for 35 years by physician-scientists, our unique ability to repeatedly and consistently translate science into medicine has led to numerous FDA-approved treatments and product candidates in development, almost all of which were homegrown in our laboratories. Our medicines and pipeline are designed to help patients with eye diseases, allergic and inflammatory diseases, cancer, cardiovascular and metabolic diseases, pain, hematologic conditions, infectious diseases, and rare diseases.

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.

- Canada
- Germany
- India
- Ireland
- Netherlands
- 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?

No

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	NASDAQ: REGN

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	<p>Direct operations: The primary uses of good quality freshwater in direct operations are to perform research, manufacture our products, clean laboratory equipment, run our building systems, and other general office use. The direct use importance rating is considered "vital" because Regeneron and its suppliers depend on sufficient amounts of good quality freshwater to manufacture products and adhere to health &amp; safety regulations. Therefore, sufficient amounts of good quality freshwater are critical to our ability to deliver quality medicines to patients and the success of our business. Lower quality water is not safe or acceptable in the research and production of pharmaceutical drugs.</p> <p>Indirect operations: The primary use of water in our indirect operations is for suppliers to manufacture products and maintain cleanliness, comfort, and safety in their workplaces. The indirect use rating is considered "important" because Regeneron ensures that its suppliers adhere to water-related regulations and have sufficient amounts of good quality freshwater to provide Regeneron with materials of the highest quality. Since Regeneron's medicines are utilized for human consumption, it is essential that our suppliers manufacture products with adequate amounts of good quality freshwater and exceed cleanliness standards in their operations. We do not anticipate any future changes in the dependency or importance of freshwater for our business or suppliers. We will continue to rely on good quality freshwater for supplier goods, and for the research and manufacturing of our medicines.</p>
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Not very important	<p>Direct operations: Regeneron does not primarily use recycled, brackish, and/or produced water to conduct research or manufacturing activities. However, the importance rating of "neutral" was selected because the availability of this water could present an opportunity to reduce freshwater consumption in the future. Our manufacturing site in Limerick, Ireland continues to explore rainwater harvesting. Newer buildings at our headquarters in Tarrytown, New York use captured and stored rainwater for landscape irrigation. The company continues to investigate opportunities to expand these systems to reduce Regeneron's freshwater consumption at significant locations.</p> <p>Indirect operations: Regeneron does not have areas in its supply chain that rely heavily on the availability of recycled, brackish and/or produced water. Therefore, the indirect use importance rating is considered to be "not very important," as we do not anticipate this to change.</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	100%	Monthly	Water withdrawals (total volumes) are regularly measured and are monitored monthly. Our withdrawals are measured through onsite water meters, which allow the local municipalities to bill us for the total volumes withdrawn.	We measure this relevant water aspect so that we can understand how the company's growth and operational changes affect our water withdrawals and to identify opportunities to decrease our withdrawals. All facilities within our operational control (as defined by Tarrytown, NY, Rensselaer, NY, Sleepy Hollow, NY, Basking Ridge, NJ, Washington, D.C., and Limerick, Ireland) are included (none are excluded).
Water withdrawals – volumes by source	100%	Monthly	Water withdrawals (volumes by source) are regularly measured and are monitored monthly. Our withdrawals are measured through onsite water meters, which allow us to monitor volumes by source. The local municipalities provide us with information on volume and rate of payment for our water withdrawals.	We measure this relevant water aspect so that we can understand how the company's growth and operational changes affect water withdrawals across our sites and for various processes, as each site has numerous entry points for water. Regular monitoring and measurement allow us to identify opportunities to decrease our water withdrawals. All facilities within our operational control are included (none are excluded).
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	100%	Yearly	Water withdrawals quality is regularly measured and is monitored yearly. The quality of our water withdrawals is measured through the local municipalities, who provide us with annual drinking water quality reports.	We measure this relevant water aspect to ensure that all water is safe for consumption at our sites, and that the highest quality water is utilized for the research and manufacture of our medicines. All facilities within our operational control are included (none are excluded).
Water discharges – total volumes	100%	Monthly	Water discharges (total volumes) are estimated monthly. The method of measurement for these discharges is through the local municipalities, as we receive monthly statements for the total volumes discharged. The total volumes discharged are assumed to be 95% of the total volumes withdrawn.	We monitor this relevant water aspect so that we can improve cost management and identify opportunities to decrease water consumption. All facilities within our operational control are included (none are excluded). Water discharges are sent to local wastewater treatment plants, and our operational facilities are required to comply with local and national regulations.
Water discharges – volumes by destination	100%	Monthly	Water discharges (volumes by destination) are estimated monthly. The method of measurement for these discharges is through the local municipalities, as we receive monthly statements for the total volumes discharged. The total volumes discharged are assumed to be 95% of total volumes withdrawn.	We monitor this relevant water aspect so that we can improve cost management and identify opportunities to decrease water consumption. All facilities within our operational control are included (none are excluded). Water discharges are sent to local wastewater treatment plants, and our operational facilities are required to comply with local & national regulations.

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water discharges – volumes by treatment method	26-50	Monthly	Water discharges (volumes by treatment method) are estimated monthly. The method of measurement for these discharges is the wastewater treatment systems at our manufacturing sites.	We monitor this relevant water aspect so that we can maintain compliance with applicable regulations set forth by the Irish EPA, U.S. EPA, and local sewer agencies. Two facilities that we own (Rensselaer and Limerick) are included. Leased sites where Regeneron does not have operational control are excluded. Our Tarrytown and Sleepy Hollow sites are also excluded, as onsite treatment is not necessary prior to discharge to the municipal wastewater treatment plant.
Water discharge quality – by standard effluent parameters	26-50	Monthly	Water discharge quality (by standard effluent parameters) is regularly measured and monitored on a weekly and monthly basis. The standard effluent parameters are measured by wastewater treatment systems at our manufacturing sites.	We measure this relevant water aspect to ensure that our water discharges have at least the same quality as the water that was sourced, and to comply with applicable regulations set forth by the Irish EPA, U.S. EPA, and local sewer agencies. An example of effluent parameters measured include temperature, pH, BOD, COD, and suspended solids. Two facilities that we own (Rensselaer and Limerick) are included. Leased sites where Regeneron does not have operational control are excluded. Our Tarrytown and Sleepy Hollow sites are also excluded, as the measurement of discharge quality is not required prior to discharge to the municipal wastewater treatment plant. Water discharge quality is measured and monitored using onsite systems, which relates directly to our operations.
Water discharge quality – emissions to water (nitrate, phosphates, pesticides, and/or other priority substances)	26-50	Quarterly	Water discharge quality (emissions to water) is measured on a monthly and quarterly basis. Emissions to water are measured by the wastewater treatment systems at our manufacturing sites.	We measure this relevant water aspect to ensure that our water discharges have at least the same quality as the water that was sourced, and to comply with applicable regulations set forth by the Irish EPA, U.S. EPA, and local sewer agencies. Two facilities that we own (Rensselaer and Limerick) are included. Leased sites where Regeneron does not have operational control are excluded. Our Tarrytown and Sleepy Hollow sites are also excluded, as the measurement of discharge quality is not required prior to discharge to the municipal wastewater treatment plant. Water discharge quality is measured and monitored using onsite systems, which relates directly to our operations.
Water discharge quality – temperature	26-50	Continuously	Water discharge quality (temperature) is regularly measured and continuously monitored. The method of measurement for water discharge temperature is the wastewater treatment systems at our manufacturing sites.	We measure this relevant water aspect to ensure that our water discharges have at least the same quality as the water that was sourced, and to comply with applicable regulations set forth by the Irish EPA, U.S. EPA, and local sewer agencies. Two facilities that we own (Rensselaer and Limerick) are included. Leased sites where Regeneron does not have operational control are excluded. Our Tarrytown and Sleepy Hollow sites are also excluded, as the measurement of discharge quality is not required prior to discharge to the municipal wastewater treatment plant. Water discharge quality is measured and monitored using onsite systems, which relates directly to our operations.
Water consumption – total volume	100%	Monthly	Water consumption (total volume) is estimated monthly. The method of measurement for our withdrawals is through onsite water meters, and we assume a 5% consumption rate for withdrawals based on our operations.	We measure this relevant water aspect so that we can understand how the company's growth and operational changes affect our water consumption and identify opportunities to decrease our water usage. All facilities within our operational control are included (none are excluded). Water withdrawals are directly measured using onsite water meters (which relates directly to our operations), and consumption is estimated to be 5% of withdrawals.
Water recycled/reused	Not relevant	<Not Applicable>	<Not Applicable>	Our business withdraws water only from third-party sources, and water is discharged only to municipal facilities. Recycling and reuse of water by these facilities is unknown. Opportunities to recycle/reuse water may be explored in the future as this water aspect may potentially become relevant. Our manufacturing facilities are engaged in a water mapping and stewardship program to better understand site water usage. One of the main goals of this program is to identify potential water recycling, reuse, and other efficiency opportunities for support functions, which could utilize recycled/reused water.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Continuously	Regeneron monitors this aspect on a continual basis. WASH services are measured by local municipalities which evaluate water quality.	Our Facilities and Environmental Health & Safety teams ensure that WASH services are provided at all facilities. We monitor this aspect because WASH services are essential in our direct operations, which involve research and manufacturing activities. All facilities within our operational control are included (none are excluded). The provision of fully-functioning, safely managed WASH services is monitored and maintained onsite, which relates directly to our operations.

## 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	2100	Lower	Increase/decrease in efficiency	About the same	Increase/decrease in efficiency	In 2022, total withdrawals were 2,100 megaliters. Total withdrawals in 2021, 2020, and 2019 were 2,220 megaliters, 2,054 megaliters, and 1,952 megaliters, respectively. There was a 4.5% decrease in withdrawals in 2022 compared to 2021. This decrease reflects progress against the company's water mapping target and in progress water efficiency projects, particularly at our manufacturing facilities in Rensselaer, New York and Limerick, Ireland. Future withdrawals are anticipated to remain relatively stable as water efficiency measures are anticipated to offset potential water withdrawal increases due to company growth. The company has planned expansion efforts, both in headcount and square footage, to accommodate operational needs.
Total discharges	1995	Lower	Increase/decrease in efficiency	About the same	Increase/decrease in efficiency	In 2022, total discharges were 1995. Total discharges in 2021, 2020, and 2019 were 2,109 megaliters, 1,951 megaliters, and 1,854 megaliters. There was a 4.5% decrease in total discharges in 2022 compared to 2021. This decrease reflects progress against the company's water mapping target and in progress water efficiency projects, particularly at our manufacturing facilities in Rensselaer, New York and Limerick, Ireland. Future discharges are anticipated to remain relatively stable as water efficiency measures are anticipated to offset potential water withdrawal increases and subsequent discharges due to company growth. Regeneron discharges all non-hazardous wastewater to municipal wastewater treatment plants, which is estimated to be 95% of withdrawals. This assumption is based on water consumed for manufacturing, food preparation and drinking.
Total consumption	105	Lower	Increase/decrease in efficiency	About the same	Increase/decrease in efficiency	Total consumption was calculated by considering total withdrawals minus total discharges. This calculation is based on global data for facilities within our operational control. Based on our operations, water consumption is estimated to be 5% of total water withdrawals. Total consumption decreased by 4.5% in 2022 compared to 2021, reflecting progress against the company's water mapping target and in progress water efficiency projects, particularly at our manufacturing facilities in Rensselaer, New York and Limerick, Ireland. Total consumption is anticipated to trend on par with future consumption patterns which are anticipated to remain stable.

## 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	Less than 1%	Lower	Increase/decrease in business activity	About the same	Increase/decrease in business activity	WRI Aqueduct	<p>The percentage of water withdrawn from areas with water stress reflects 0.04% of total withdrawals, about the same as the previous reporting year. To calculate withdrawals in regions with water stress, the water withdrawals of identified locations were summed and divided by the company's total water withdrawals. The WRI Aqueduct tool was used to evaluate baseline water stress for Regeneron's global locations. Two Regeneron office locations, Basking Ridge, NJ and Uxbridge, UK, were identified as having 'High (40-80%)' baseline water stress. One office location in Bengaluru, India, which opened in 2022, was identified as having 'Extremely High (&gt;80%)' baseline water stress. Of these sites, only water withdrawals at Basking Ridge, NJ are considered to be within the company's operational control.</p> <p>WRI's Aqueduct tool defines baseline water stress as 'the ratio of total water withdrawals to available renewable surface and groundwater supplies,' in which 'higher values indicate more competition among users.' Regeneron's water risk was assessed based on WRI Aqueduct's seven water risk layers and a non-weighted average of those risks. The water withdrawals at all sites were evaluated against these identified risks to determine which sites have the most significant negative contribution to local water risks.</p>

**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>	Withdrawals from fresh surface water are not relevant because our facilities source all water for direct operations from third-party sources (local municipalities). In the short-term (0 - 3 years), we do not anticipate any significant water withdrawals from fresh surface water. Any such withdrawals would be negligible amounts of rainwater or grey water.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Regeneron does not use water withdrawals from Brackish surface water/Seawater, thus this source is not relevant. The company uses water withdrawals from third-party sources (local municipalities). In the future, we do not anticipate any changes in water withdrawals from brackish surface water/seawater.
Groundwater – renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Regeneron does not use water withdrawals from groundwater - renewable, thus this source is not relevant. The company uses water withdrawals from third-party sources (local municipalities). In the future, we do not anticipate any changes in water withdrawals from groundwater - renewable.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Regeneron does not use water withdrawals from groundwater - non-renewable, thus this source is not relevant. The company uses water withdrawals from third-party sources (local municipalities). In the future, we do not anticipate any changes in water withdrawals from groundwater - non-renewable.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Regeneron does not use water withdrawals from produced/entrained water, thus this source is not relevant. The company uses water withdrawals from third-party sources (local municipalities). In the future, we do not anticipate any changes in water withdrawals from produced/entrained water.
Third party sources	Relevant	2100	Lower	Increase/decrease in efficiency	Regeneron's water withdrawals are from third-party sources (local municipalities) and are relevant. Third-party sources will continue to be relevant in the future as the primary source of all water withdrawals. There was a 4.5% decrease in withdrawals in 2022 compared to 2021. This decrease reflects progress against the company's water mapping target and in progress water efficiency projects, particularly at our manufacturing facilities in Rensselaer, New York and Limerick, Ireland. Future withdrawals are anticipated to remain relatively stable as water efficiency measures are anticipated to offset potential water withdrawal increases due to company growth.

**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>	Discharges to fresh surface water are not relevant because Regeneron's water is discharged to municipal wastewater treatment plants. This destination will not be relevant in the future, as we will continue to discharge all water discharges to municipal wastewater treatment plants.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Discharges to brackish surface water/seawater are not relevant because Regeneron's water is discharged to municipal wastewater treatment plants. This destination will not be relevant in the future, as we will continue to discharge all water discharges to municipal wastewater treatment plants.
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Discharges to groundwater are not relevant because Regeneron's water is discharged to municipal wastewater treatment plants. This destination will not be relevant in the future, as we will continue to discharge all water discharges to municipal wastewater treatment plants.
Third-party destinations	Relevant	1995	Lower	Increase/decrease in efficiency	Discharges to third-party destinations are relevant because Regeneron's non-hazardous water is discharged to municipal wastewater treatment plants. Based on the amount of water consumed for manufacturing, food preparation and drinking, we estimate water discharges to be 95% of withdrawals. There was a 4.5% decrease in total discharges in 2022 compared to 2021. This decrease reflects progress against the company's water mapping target and in progress water efficiency projects, particularly at our manufacturing facilities in Rensselaer, New York and Limerick, Ireland. Future withdrawals are anticipated to remain relatively stable as water efficiency measures are anticipated to offset potential water withdrawal increases due to company growth. The company has planned expansion efforts, both in headcount and square footage, to accommodate operational needs.

## 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	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	None of our sites perform tertiary treatment to water discharges because it is not deemed necessary based on our operations and it is not required by any regulatory or voluntary standards.
Secondary treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	None of our sites perform secondary treatment to water discharges because it is not deemed necessary based on our operations and it is not required by any regulatory or voluntary standards.
Primary treatment only	Relevant	637	Higher	Increase/decrease in business activity	21-30	Our manufacturing site in Limerick, Ireland applies primary treatment, including pH correction, temperature and flow control, to wastewater discharges. This treatment is in accordance with the facility's 'industrial emissions licence' with the Irish EPA.
Discharge to the natural environment without treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	None of our sites discharge water to the natural environment without treatment because all of our water discharges are sent to municipal wastewater treatment plants.
Discharge to a third party without treatment	Relevant	1358	Lower	Increase/decrease in efficiency	61-70	All of Regeneron's sites, with the exception of Limerick, discharge water directly to third-party municipalities without primary, secondary, or tertiary treatment. Our Rensselaer site performs pre-treatment (rather than primary), which involves pH balancing and heat tempering. Total discharges to a third-party without treatment are lower than the previous reporting year. For these sites, we anticipate future discharges to remain relatively stable as water efficiency measures are anticipated to offset potential water withdrawal increases due to company growth.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	There are no additional treatment levels applicable to our business.

## W1.2k

(W1.2k) Provide details of your organization's emissions of nitrates, phosphates, pesticides, and other priority substances to water in the reporting year.

	Emissions to water in the reporting year (metric tonnes)	Category(ies) of substances included	List the specific substances included	Please explain
Row 1	0	Nitrates Phosphates	<Not Applicable>	Emissions to water for these categories of substances are not permitted. Therefore, there were no emissions to water in the reporting year. Nitrogen and Phosphorus emissions to sewer are measured to comply with applicable regulations set forth by the Irish EPA, U.S. EPA, and local sewer agencies. Two facilities that we own (Rensselaer and Limerick) are in scope.

## 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	1217290000	2100		Regeneron anticipates at minimum maintaining the total water withdrawal efficiency, however, ongoing efforts to explore water recycling/reuse may increase our efficiency over time.

## 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	Regeneron's products do not contain substances classified as hazardous by a regulatory authority.

## W1.5

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

	Engagement	Primary reason for no engagement	Please explain
Suppliers	No	We are planning to do so within the next two years	Regeneron deepened its engagement of suppliers on greenhouse gas emissions in 2022. This work is part of the company's long-term ambition for a holistic evaluation of suppliers' environmental impact. In 2025, we anticipate achieving our environmental targets focused on water which will provide strategic direction on how the company engages with suppliers to understand the water impact of relevant products and services.
Other value chain partners (e.g., customers)	Yes	<Not Applicable>	<Not Applicable>

**W1.5e**

**(W1.5e) Provide details of any water-related engagement activity with customers or other value chain partners.**

**Type of stakeholder**

Other, please specify (Municipalities & local government agencies)

**Type of engagement**

Education / information sharing

**Details of engagement**

Run an engagement campaign to educate stakeholders about your water-related performance and strategy

**Rationale for your engagement**

Regeneron engages with municipalities and local government agencies, who are key partners in the company's value chain. The company's rationale for engaging with these partners in the value chain is to ensure that our sites are receiving sufficient high-quality water supplies, which is essential for our research and development and manufacturing activities. At our research and development and manufacturing sites, there is monthly communication between key members of our Facilities and Environmental Health & Safety teams and these partners to meet local and regional compliance requirements for the quality of our water discharges and ensure that we are withdrawing and discharging water at an acceptable quantity and quality.

**Impact of the engagement and measures of success**

The impact of engaging with municipalities and local government agencies is a continued supply of high-quality water which meets the needs of our business operations and ultimately helps the company deliver on its mission to bring new medicines to patients. Engagement includes communication of our water-related initiatives in our Responsibility Report and other public disclosures as well as two-way dialogue on how water impacts our operations and opportunities for collaboration. Engagement success is measured and achieved by meeting compliance requirements (i.e., percentage of compliance metrics achieved) and receiving positive feedback from our stakeholders regarding our initiatives to reduce water-related impacts.

**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	Yes	Fines, but none that are considered as significant	

**W2.2a**

**(W2.2a) Provide the total number and financial value of all water-related fines.**

**Row 1**

**Total number of fines**

2

**Total value of fines**

700

**% of total facilities/operations associated**

8

**Number of fines compared to previous reporting year**

About the same

**Comment**

The 2 fines received were specific to wastewater. The fines are about the same financial value as the previous reporting year and are not considered significant. About the same refers to the order of magnitude of the fines.

**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	<p>Potential water pollutants are identified based on the inventory of chemicals used in our R&amp;D labs. These chemicals are reviewed for their hazardous properties based on available data, such as lab safety data sheets and product labels, &amp; are classified as flammable, corrosive, toxic, or reactive based on U.S. Environmental Protection Agency's Resource Conservation and Recovery Act. These chemicals are also classified based on use (e.g., solvents, bioactives, etc.). Chemicals that are not classified by the U.S. EPA as hazardous are collected and evaluated to ensure that there is not a negative impact to water ecosystems or human health.</p> <p>For alignment with best practice chemical management, lab waste assessments are performed to ensure corporate and regulatory compliance. These assessments help instruct lab employees on how to properly dispose of hazardous chemicals to comply with local, state, and federal laws, and to minimize environmental degradation. Our EHS policy outlines the company's commitment to proper hazardous chemical disposal. In addition, our EHS department has robust training guidelines to ensure all R&amp;D lab employees understand best practices for waste disposal.</p> <p>EHS tracks the total weight of hazardous &amp; biohazardous materials that are collected and shipped from the site as hazardous material, &amp; the total number of waste assessments conducted annually compared to the total number of lab spaces on site. EHS conducts regular lab safety audits of each lab space.</p>	<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**

Other synthetic organic compounds

**Description of water pollutant and potential impacts**

Other synthetic organic compounds refers to hazardous chemicals used in our research and development labs which can be classified as flammable, corrosive, toxic, or reactive based on the U.S. EPA's Resource Conservation and Recovery Act. Examples of other synthetic organic compounds include detergents, pharmaceuticals, radioactive materials, solvents, and volatile organic compounds (VOCs). Potential impacts to water ecosystems and human health are related to improper discharge of these hazardous substances which could result in negative ecosystem impacts (e.g., toxicity, impacted oxygen availability) and human health (e.g., waterborne disease).

**Value chain stage**

Direct operations

**Actions and procedures to minimize adverse impacts**

Implementation of integrated solid waste management systems  
Industrial and chemical accidents prevention, preparedness, and response  
Reduction or phase out of hazardous substances

**Please explain**

To manage the risks of the potential impacts the company has implemented the following procedures: i) Industrial and chemical accidents prevention, preparedness, and response – establishes procedures for safe handling, storage, including secondary containment, and spill response, ii) Implementation of integrated solid waste management systems – establishes processes and procedures to collect solid waste across our research and development site and send out waste to a 3rd party waste vendor, iii) Reduction or phase out of hazardous substances – several of our R&D labs are participating in the My Green Lab program and are focusing on opportunities to enhance green chemistry in labs and reduce/phase out hazardous substances. All of these initiatives prevent hazardous substances from reaching water ways by ensuring education of key stakeholders, including R&D lab and EHS employees, on how to minimize and properly dispose of hazardous substances. Success is measured and evaluated based on the results of our lab waste audits, including categorization of hazardous substances and number of non-compliant (corporate) instances, and avoiding fines related to improper hazardous waste discharge that would fall under regulations (e.g., US EPA Resource Conservation and Recovery Act or similar).

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**Water pollutant category**

Pathogens

**Description of water pollutant and potential impacts**

Pathogens refers to biohazardous materials what are used in our R&D labs. Examples of pathogens include human cell lines and blood products, viruses, toxins, or other potentially infectious material. If improperly disposed of, these materials could pose a risk to human health including infectious disease potentially. Potential impacts to water ecosystems and human health are related to improper discharge of these biohazardous substances which could result in negative ecosystem impacts (e.g., toxicity, impacted oxygen availability) and human health (e.g., waterborne disease).

**Value chain stage**

Direct operations

**Actions and procedures to minimize adverse impacts**

Implementation of integrated solid waste management systems  
Industrial and chemical accidents prevention, preparedness, and response  
Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

**Please explain**

To manage the risks of the potential impacts the company has implemented the following procedures: i) Industrial and chemical accidents prevention, preparedness, and response – establishes procedures for safe handling, storage, including secondary containment, and spill response, ii) Implementation of integrated solid waste management systems – establishes processes and procedures to collect solid biohazardous waste across our research and development site and send out waste to a 3rd party waste vendor, iii) Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements – liquid biohazardous waste and contaminated materials are disinfected with bleach or other approved substances before it is discharged at the drain. All of these initiatives prevent biohazardous substances from reaching water ways by ensuring education of key stakeholders, including R&D lab and EHS employees, on how to properly dispose of biohazardous substances. Success is measured and evaluated based on the results of our lab waste audits, including categorization of biohazardous substances and number of non-compliant (corporate) instances, and avoiding fines related to improper biohazardous waste discharge that would fall under regulations (e.g., US EPA Resource Conservation and Recovery Act or similar).

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**W3.3**

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

Yes, water-related risks are assessed

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**W3.3a**



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

**Value chain stage**

Direct operations  
Supply chain

**Coverage**

Full

**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?**

More than 6 years

**Type of tools and methods used**

Tools on the market

**Tools and methods used**

WRI Aqueduct

**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  
Impact on human health  
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

**Stakeholders considered**

Customers  
Employees  
Investors  
Local communities  
NGOs  
Regulators  
Suppliers  
Water utilities at a local level  
Other water users at the basin/catchment level

**Comment**

Context on how water-related risks are identified and assessed are detailed in W3.3b.

**W3.3b**

**(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	The company conducts a comprehensive evaluation of its global operations and value chain to identify and assess water-related risks. Given the importance of high-quality water to our business, the company assesses a broad scope of contextual issues and potential impacts to/from various stakeholders. The purpose of identifying and assessing water-related risks is to ensure continuity of supply to our operations and suppliers to mitigate impacts to our research and manufacturing, and to assess social impacts to local communities near our operations and value chain. The company uses WRI's Aqueduct tool to evaluate current and future water risks for our global operations and strategic suppliers.	The contextual issues considered include water availability/quantity (including water stress, water depletion, and groundwater table decline), quality (untreated connected wastewater, and coastal eutrophication), and regulatory and reputational risks (sanitation, drinking water, broader ESG risk exposure). The company considers these contextual issues to ensure an understanding of short-, medium-, and long-term risks which may impede our ability to bring medicines to patients. Water availability and water quality at a basin/catchment level are indicative of the company's ability to source high-quality water across time horizons in our direct operations. Implications of water on our key commodities/raw materials allows the company to monitor supply continuity and our ability to receive key inputs for our research and manufacturing activities. Access to WASH services for all employees also impacts our ability to provide a safe workplace for employees, which is essential in our research and manufacturing environments. Stakeholder conflicts concerning water at a basin/catchment level and status of ecosystems and habitats can be indicative of medium- and long-term risks to water availability and quality, and can highlight opportunities to remediate and preserve local ecosystems. Water regulatory frameworks can be indicative of inherent risks, broader mitigation/remediation efforts needed, and inform our actions to comply with local and federal water regulations.	Suppliers, local water utilities, and other water users at the basin/catchment level provide insight on supply continuity, both for raw materials and high-quality water for use in our research and manufacturing. Employees are considered because access to clean water is critical to the health and safety of our employees, and our employees are critical to our ability to conduct research and manufacture medicines to our patients. Customers are considered because water availability is necessary to provide medications to our end customers, our patients. NGOs and local communities are considered because we seek to preserve local ecosystems and maintain the health and well-being of the communities in which we operate, and local NGOs play a key role in advancing sustainable water sourcing in the local communities where we operate. Regulators are considered to ensure we are complying with all applicable regulations and standards in the areas we operate. Investors are considered because they request information regarding operational processes and are interested in the Company's responsible practices.	Based on the results of the WRI Aqueduct assessment, risks that are identified as "high" are prioritized for mitigation and/or elimination. Key internal stakeholders (Facilities and Environmental Health & Safety) as well as external stakeholders (local municipalities) discuss these "high" risk factors and prioritize them accordingly. "High" risks that affect our research and development and manufacturing locations are deemed an immediate priority. Then, among those immediate priority risks, those that affect our ability to source adequate amounts of high-quality fresh water for our operations become top priority action items. To respond to and mitigate these risks, the Facilities and Environmental Health & Safety teams are primarily responsible for developing feasible solutions and implementing initiatives accordingly, maintaining compliance with regulations, and consulting external stakeholders when necessary.

**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?

Water risks are incorporated into regular Business Impact Analyses (BIAs) which assesses risks in four categories; operational, financial, reputational, and compliance. Risks are identified to specific business functions and their supporting infrastructure which include facilities, communication and information systems, personnel, equipment, and services. The BIAs are updated regularly to reflect changes in the risk environment. Additionally, the BIA methodology is regularly reviewed to ensure that risk ratings adhere to current operations and strategic priorities.

Additionally, our Responsibility Committee conducts ESG materiality assessments every 3-to-5 years to identify and evaluate climate and water-related risks based on their significance to stakeholders and to the business. The committee engages with senior leaders and external stakeholder groups to prioritize the responsibility issues with potential significant impact to the business.

## 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	Regeneron has continued its ongoing process to evaluate water risks using the WRI Aqueduct tool. We plan to repeat this evaluation on an annual basis. The tool provides us with valuable information about future water stress, seasonal variability, water supply, and water demand in the areas where we operate. The ability to source adequate amounts of high-quality fresh water is critical to our business. Based on the results of the WRI Aqueduct assessment, risks of major disruptions in our ability to source enough high-quality fresh water for our operations are not very likely, particularly for our research and manufacturing locations. Baseline water stress and baseline water depletion is low for our research and development facility and two manufacturing facilities. Additionally, the overall water risk is rated low for these facilities. Given that we source all of our water from the local municipalities in which we operate, the low water depletion and baseline water stress risk and low overall water risk also apply to these partners in the value chain. These risks are not projected to change. Therefore, we acknowledge that risks exist, but no substantive impact is anticipated. Contingency plans are developed as we expand, and we assess our existing operations to minimize any potential risks.

## 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	Based on the results of the WRI Aqueduct assessment, the water depletion risk is low and the overall water risks are rated low for the areas in which our research and development facility and two manufacturing facilities are located. Given that we source all our water from the local municipalities in which we operate, the low water depletion risk and low overall water risk also apply to these partners in the value chain. These risks are not projected to fluctuate materially. Therefore, we acknowledge that risks exist, but no substantive impact is anticipated. The partners in our value chain from which we source water have not identified any present or future risks that would have a substantial impact to our business. Additionally, we have not identified any single-source unaffiliated third-party suppliers with risks that currently have a substantive impact on our business.

## 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**

Improving water efficiencies is strategic to our company because it will allow for better use of water supplies and potentially yield significant cost savings. The action that Regeneron is taking to realize this opportunity includes investing in equipment to sub-meter water consumption at all our owned locations. This opportunity is strategic for our company because it will give us insight on our water consumption at a more granular level, which will help identify areas where withdrawals can be reduced. An example of this strategy in action includes targeting strategic initiatives as a result of installing sub-meters at a process level. This may reduce our water withdrawals from water intensive processes, produce cost savings, and improve cost management.

**Estimated timeframe for realization**

1 to 3 years

**Magnitude of potential financial impact**

Low

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

<Not Applicable>

**Potential financial impact figure – minimum (currency)**

<Not Applicable>

**Potential financial impact figure – maximum (currency)**

<Not Applicable>

**Explanation of financial impact**

Meter installation is still ongoing thus the cost of meter installation and implementation of to-be-identified water efficiency interventions have not yet been quantified.

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**Type of opportunity**

Efficiency

**Primary water-related opportunity**

Improved water efficiency in operations

**Company-specific description & strategy to realize opportunity**

Regeneron's manufacturing facility in Limerick, Ireland conducted an in-depth review of its water for injection (a solvent that is used to dilute other medications or solutions that will be injected into the body or used in inhaled medications) lifecycle. Water for injection is critical to our manufacturing operations and ability to provide medicines to patients. The Limerick site implemented projects focused on clean-in-place (CIP) processes, including implementation of enhanced gravity drains and reduction of related rinse timers. These identified process improvements resulted in a savings of 9 megaliters in 2022. Additional water savings of 25 megaliters are expected upon project completion in 2023. This water process is also strategic because of additional efficiency opportunities, particularly energy, which yield cost savings, reduce our greenhouse gas emissions, and the site's regulatory exposure related to greenhouse gas emissions.

**Estimated timeframe for realization**

1 to 3 years

**Magnitude of potential financial impact**

Low

**Are you able to provide a potential financial impact figure?**

Yes, an estimated range

**Potential financial impact figure (currency)**

<Not Applicable>

**Potential financial impact figure – minimum (currency)**

26000

**Potential financial impact figure – maximum (currency)**

72000

**Explanation of financial impact**

The financial impact was estimated by multiplying the realized and anticipated water savings by the utility provided water rates for water supplied and water removed. The minimum financial impact figure reflects realized savings and the maximum financial impact figure reflects anticipated savings in 2023.

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**W6. Governance**

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**W6.1**

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

Yes, we have a documented water policy that is publicly available

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**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	<p>Description of business dependency on water</p> <p>Description of business impact on water</p> <p>Commitment to reduce water withdrawal and/or consumption volumes in direct operations</p> <p>Commitment to water stewardship and/or collective action</p> <p>Reference to company water-related targets</p> <p>Recognition of environmental linkages, for example, due to climate change</p>	<p>Regeneron's Policy on Environment, Health &amp; Safety acknowledges local, regional, and global environmental impacts. This policy clearly states a company-wide, global commitment to minimize the use of natural resources and conserve water, as these issues are increasingly important to our business.</p> <p>Regeneron's Code of Business Conduct also indicates the company's commitment to water stewardship. Our Code of Business Conduct states that our responsibility to protect the environment is a critical aspect of conducting business ethically. We seek to comply with all environmental laws and regulations, and are committed to minimizing risks, such as water depletion, that could negatively impact our community or the environment.</p> <p>Additionally, our Responsibility Report details our company-wide water-related targets. Our target is to improve water efficiencies by implementing a global water mapping strategy and water stewardship program. We also align our efforts with United Nations Water and the "Responsible Consumption and Production" goal of the United Nations SDGs, as we recognize the linkages between water-related issues and climate change impacts. Our strategy to operate responsibly includes reducing water withdrawals and decreasing water-related risks at all locations.</p> <p>The purpose of our policy is to affirm our commitment to ensuring water stewardship and compliance with regulations at all sites, describe our water standards and company targets, and align our practices with the UN SDGs for internal and external stakeholders. The scope of the policy includes company-wide operations because we strive to maintain consistency in our commitments, performance objectives, and strategies across all sites.</p> <p>REGN_RR22_2022.pdf                      regeneron-ehs-policy-september-2019.pdf                      code_of_business_conduct_and_ethics.pdf</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>Regeneron's Board of Directors has formalized and delegated board oversight of responsibility for certain ESG and climate-related matters to the Corporate Governance and Compliance Committee of the Board. The CEO is also a member of the Board and engages with the Corporate Governance and Compliance Committee on ESG and climate-related issues.</p> <p>The Corporate Governance and Compliance Committee oversees the Company's key corporate responsibility initiatives (other than those specifically reserved for another committee of the Board or the full Board), including those expected to have a significant impact on the Company's ability to deliver sustained growth; and conducts a periodic review of ESG matters pertaining to the Company.</p> <p>One example of a water-related decision made by the Corporate Governance and Compliance Committee was the review and endorsement of the Company's water target, which is to improve water efficiencies by implementing a global water mapping strategy and water stewardship program.</p>

**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	Other, please specify (Once per year as part of the Corporate Governance and Compliance Committee's annual review of ESG matters)	Reviewing and guiding corporate responsibility strategy	<p>Regeneron's Board of Directors formalized and delegated oversight of Environmental, Social and Governance (ESG) and climate-related matters to the Corporate Governance and Compliance Committee (CGCC). This Committee typically meets five times a year to, among other things, fulfill its responsibility to oversee Regeneron's key corporate responsibility initiatives and other significant corporate governance matters. Toward this end, the CGCC conducts an annual review of ESG matters, including overarching strategies to address climate and water-related risks and opportunities. The CEO, a member of the Board of Directors, has overall responsibility for ESG and climate-related matters. The CGCC and CEO review, provide feedback on, and/or approve climate-related items, such as climate-related scenario analysis (e.g., Task Force on Climate-related Financial Disclosures, or TCFD), materiality assessments, and our global corporate responsibility goals.</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	No, and we do not plan to address this within the next two years	<Not Applicable>	Judged to be unimportant, explanation provided	Regeneron seeks to have a Board of Directors comprised of highly qualified directors with diverse skillsets and backgrounds who will serve as stewards of investor capital and drive the Company's scientific focus to ensure the continued creation of long-term shareholder value. The company seeks to ensure that our board as a whole possesses the mix of skills and experiences to provide effective oversight and guidance to management to execute on the Company's long-term strategy. Water-related competence has not been identified as a priority skillset to date.

**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)**

Corporate responsibility committee

**Water-related responsibilities of this position**

Setting water-related corporate targets  
Monitoring progress against water-related corporate targets

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

Annually

**Please explain**

Regeneron's Responsibility Committee, comprised of top-level cross-functional business leaders, reports to the Board of Director's Corporate Governance and Compliance Committee. The Responsibility Committee oversees and is accountable for global environmental goals, targets, and metrics, including water. The associated responsibilities of the committee members include monitoring and assessing climate-related risks and opportunities, spearheading the development of company-wide environmental targets, and identifying individuals with the appropriate skill sets and operational responsibility (primarily within the Environmental Health & Safety and Facilities teams) to respond to climate and water-related risks and opportunities. Climate and water-related issues are monitored through business continuity risk evaluations as well as the Company's Task Force on Climate-related Financial Disclosures (TCFD) assessment.

**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	No, and we do not plan to introduce them in the next two years	

**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

**W6.6**

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

No, and we have no plans to do so

**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	11-15	<p>The water-related issues that are integrated into our long-term business objectives include the quantity and quality of water withdrawals, as well as the quality of our discharges. An example of how these issues are integrated into long-term business objectives is our commitment to install low-flush and low-flow fixtures in renovations and new construction projects at our sites. Additionally, we created a company-wide target to improve water efficiencies by implementing a global water mapping strategy and water stewardship program by 2025.</p> <p>To pursue these long-term objectives, our manufacturing sites continue to review efficiency measures for the water for injection systems to economize process water. As another example, one of our manufacturing facilities performed an assessment to determine 1) the wastewater generation expected at full operational capacity and 2) the process water purification necessary for the wastewater to meet all regulatory compliance for discharge into the sanitary supply. These efforts all support our long-term objectives of conserving water while maintaining operational needs, complying with all applicable regulations, and progressing towards our company-wide water target. The time horizon chosen is the most reasonable period for which we can sufficiently create strategic business plans.</p>
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	11-15	<p>The water-related issues that are integrated into our strategy for achieving long-term business objectives include the quantity and quality of water withdrawals, as well as the quality of our discharges. As an example of integrating water-related issues into the strategy for achieving long-term objectives, the Facilities and Environmental Health &amp; Safety groups identify gaps in process efficiency and areas where water withdrawals can be reduced. This strategy involves implementing a standardized procedure, modelling the procedure against a baseline, confirming results, and establishing a business case for an appropriate solution. Next steps are to present the business case, gain project approval, implement the project, and complete a perpetual cycle of 1) track and measure performance, 2) re-evaluate as necessary, and 3) modify the affected system as necessary. The time horizon chosen is the most reasonable period for which we can sufficiently create strategic business plans.</p>
Financial planning	Yes, water-related issues are integrated	11-15	<p>The water-related issues that are integrated into our financial planning include the quantity of water withdrawals, as well as the quantity and quality of our discharges. As an example of how these issues are integrated into financial planning, water reduction activities are incorporated into plans for growth to save money long-term. As another example, we consider the quantity and cost of water withdrawals when selecting appliances and process equipment for site expansions, particularly for our two manufacturing sites and research and development site. We ensure that the appropriate equipment is chosen early in the financial planning process so that we continue to be responsible in our water consumption and discharge.</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)**

0

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

3

**Water-related OPEX (+/- % change)**

-15.8

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

10

**Please explain**

Regeneron’s water-related CAPEX remained the same compared to the previous reporting year, as the budget dedicated to water-related appliances for new construction and major renovation projects did not change. The anticipated future trend for CAPEX is +3%, related to long-term new construction projects at our research and manufacturing sites. Regeneron’s water-related OPEX decreased 15.8% compared to the previous reporting year, driven in part by enhanced efficiency measures and decreased water consumption. The anticipated spend increases in this area are projected at +10% (future trend), influenced by increased water withdrawals to accommodate operational growth.

**W7.3**

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

	Use of scenario analysis	Comment
Row 1	Yes	<p>We utilize WRI Aqueduct and TCFD assessments to inform our business strategy. For the WRI Aqueduct analysis, Regeneron’s water risk is assessed based on seven risk layers and a non-weighted average of those risks. Water withdrawals at all sites are evaluated against the risks to determine which sites have the largest negative contribution to local water risks. We also evaluate water stress and supply and demand in line with TCFD recommendations. Although the overall water risk for our high-volume water consuming sites is low, we consider any potential future risks at our R&amp;D and manufacturing sites to be high priority. Key internal and external stakeholders discuss these risk factors, compare them to risk assessment criteria, and prioritize them accordingly. Those risks that affect our ability to source high quality fresh water for our operations are addressed by the Facilities and EH&amp;S teams, who are primarily responsible for developing feasible solutions and implementing initiatives.</p>

**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	Water-related Climate-related	To perform the climate scenario analysis, Regeneron selected the Shared Socioeconomic Pathway 3 - RCP 7 (SSP3-RCP7.0) scenario. The assessment utilized the most advanced climate models, which incorporate socioeconomic pathways. The SSP3-RCP7.0 scenario aligns with a more realistic business-as-usual scenario, which assumes a 4.1 degrees Celsius increase by the end of the century based on existing actions and climate commitments made globally. The analysis is supplemented using WRI's Aqueduct tool to understand how water related risks will change over time, considering optimistic, pessimistic, and business as usual scenarios through 2040.	The analysis showed that our Rensselaer and Limerick sites have the greatest consumption of water but are located in areas where the average overall water risk is rated low. Two of our sites in Europe are located in areas with low to medium baseline water stress risk, one site each in Europe and the USA have high baseline water stress, and one site in India has extremely high baseline water stress. However, these sites with elevated water risk have the lowest water consumption among Regeneron's locations and reflect less than 1% of global water withdrawals. There may be future challenges that arise from policy-based water restrictions for sites located in areas with high overall water. However, little to no financial or operational impacts are anticipated given our minimal withdrawals in those areas.	The outcomes of the climate and water scenario analyses inform our business strategy in context of R&D, our value chain, operations, and R&D investment. Mitigation efforts are prioritized for identified risks which are deemed high, considering the short-term (0 – 3 years) and medium-term (3 – 5 years) time horizons. Given low risks in our operations, the company continues to monitor water policies which may influence our operations and value chain.

**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**

Water expenses comprise an immaterial portion of Regeneron's OPEX. Also, Regeneron's sites have a total average water risk that is relatively low, so we do not anticipate setting an internal price on water within the next two years. If any of these factors change, Regeneron will re-evaluate if an internal price on water is appropriate for the business strategy and future planning initiatives.

**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	No, and we do not plan to address this within the next two years	<Not Applicable>	Important but not an immediate business priority	Delivering high quality medicines to patients is critical to our business. As a biotechnology company, we withdrawal significant amounts of water from local municipalities which aid both drug research and drug manufacturing. In context, the company does not withdraw water from regions with medium or high water risk based on our water-risk assessment (WRI Aqueduct) and water mapping projects conducted by our research and manufacturing sites have not revealed material risks. In addition, the company only consumes 5% of overall withdrawals. The company does not consider its products to be medium or high water impact.

**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	Regeneron's water discharges are released to local municipalities and thus a target on water pollution is not deemed relevant at this time.
Water withdrawals	No, but we plan to within the next two years	Regeneron has a 2025 target to improve water efficiencies by implementing a global water mapping strategy and water stewardship program. At the conclusion of this target, Regeneron will explore setting quantitative targets on water withdrawals.
Water, Sanitation, and Hygiene (WASH) services	No, but we plan to within the next two years	Regeneron has a 2025 target to improve water efficiencies by implementing a global water mapping strategy and water stewardship program. At the conclusion of this target, Regeneron will explore setting quantitative targets on WASH services.
Other	Yes	<Not Applicable>

## W8.1b

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

**Target reference number**

Target 1

**Category of target**

Monitoring of water use

**Target coverage**

Company-wide (direct operations only)

**Quantitative metric**

Increase in the proportion of sites monitoring water consumption total volumes

**Year target was set**

2019

**Base year**

2016

**Base year figure**

1

**Target year**

2025

**Target year figure**

3

**Reporting year figure**

3

**% of target achieved relative to base year**

**Target status in reporting year**

Underway

**Please explain**

Regeneron's research and development and manufacturing sites all monitor total water consumption values. The sites are working towards achieving the company's water target to improve water efficiencies by implementing a global water mapping strategy and water stewardship program. This target is important because it will provide the company with a better understanding of current water consumption and help identify specific opportunities for reduced water usage and operational savings. As an example of how Regeneron is implementing the target across the business, metering is being incorporated into an enterprise level tracking system for real time company-wide management, as applicable per site. We are identifying areas where water withdrawals are significant, so that we can develop strategies to reduce consumption and continue to source adequate amounts of water for our business.

## 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

verification-statement-regeneron-2022.pdf

### 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	W1.2b (total volume of water withdrawals)	ISAE 3000	Regeneron's global water withdrawals were verified by a third-party.

## 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	Not mapped – and we do not plan to within the next two years	<Not Applicable>	

**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	Not assessed – and we do not plan to within the next two years	<Not Applicable>	

**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	Not assessed – and we do not plan to within the next two years	<Not Applicable>	<Not Applicable>	

**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 (Develop and implement waste management plans )	Regeneron has a 2025 target to develop and implement waste management plans to further increase our plastic recycling and reduce hazardous waste generation. This target will help the company identify sources of plastic waste in our operations and develop strategies to increase plastic recycling.

**W10.5**

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

	Activity applies	Comment
Production of plastic polymers	No	Regeneron does not produce or manufacture plastic polymers.
Production of durable plastic components	No	Regeneron does not produce or manufacture durable plastic components.
Production / commercialization of durable plastic goods (including mixed materials)	No	Regeneron does not produce, manufacture, or commercialize durable plastic goods.
Production / commercialization of plastic packaging	No	Regeneron does not produce, manufacture, or commercialize plastic packaging.
Production of goods packaged in plastics	Yes	Regeneron's medical delivery devices include autoinjectors and pre-filled syringes which contain plastic materials.
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	Yes	Regeneron's medical delivery devices include autoinjectors and pre-filled syringes which contain plastic materials.

**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	0	None	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Regeneron has not assessed the total weight of plastic packaging sold or disposed of during the reporting year.

**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	None	<Not Applicable>	<Not Applicable>	<Not Applicable>	At this time medical device components cannot be recycled due to biohazard/biosafety concerns.

## 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	Executive Vice President Finance, CFO	Chief Financial Officer (CFO)

## 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