Welcome to your CDP Water Security Questionnaire 2021

W0. Introduction

W0.1

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

Corning Incorporated, hereinafter referred to as "Corning," traces its origins to a glass business established in 1851. The present corporation was incorporated in New York state in December 1936. The company's name was changed from Corning Glass Works to Corning Incorporated on April 28, 1989. Corning is a leading innovator in materials science. For almost 170 years, Corning has combined its unparalleled expertise in glass science, ceramic science, and optical physics with deep manufacturing and engineering capabilities to develop category-defining products that transform industries and enhance people's lives. We succeed through sustained investment in research and development, a unique combination of material and process innovation, and deep, trust-based relationships with customers who are global leaders in their industries. Corning's capabilities are versatile and synergistic, allowing the company to evolve to meet changing market needs, while also helping our customers capture new opportunities in dynamic industries. Today, Corning's markets include optical communications, mobile consumer electronics, display, automotive, and life sciences. Corning's industry-leading products include damage-resistant cover glass for mobile devices; precision glass for advanced displays; optical fiber, wireless technologies, and connectivity solutions for state-of-the-art communications networks; trusted products to accelerate drug discovery and delivery; and clean-air technologies for cars and trucks. Corning operates in five reportable segments: Display Technologies, Optical Communications, Environmental Technologies, Specialty Materials and Life Sciences and manufactures products at 122 plants in 15 countries and regions. (2020 Form 10-K, page 2, corning.com)

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, 2019	December 31, 2019

W0.3

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

Brazil
China
Denmark
France
Germany
India
Israel
Italy
Japan
Mexico
Netherlands
Poland
Republic of Korea
South Africa
Taiwan, Greater China
Turkey
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
Select warehouses	Select warehouses are excluded because they are not currently required to provide water information to Corning's EHS Management Information System.
Select contract manufacturers	Select contract manufacturers are excluded because they are not currently required to provide water information to Corning's EHS Management Information System.

Sales offices and small administrative offices	Sales offices and small administrative offices are excluded where water use is minimal and they are not currently required to provide water information to Corning's EHS Management Information System. Office spaces are predominantly leased with water provided through the lease and managed by a landlord.

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	Important	Important	Although Corning promotes measures to reduce water usage and wastewater generation, certain Corning manufacturing sites require access to industrial water. Unplanned outages could have a material negative impact on our operations and ability to supply products to our customers. The selected rating is considered "important" because freshwater is vital to our direct manufacturing operations; without it we would not be able to produce our products. The primary use of freshwater at Corning in our indirect operations is through our value chain, which uses freshwater in their manufacturing and service processes. Corning plans for business growth in the coming years, implying an increase in future freshwater dependency in our direct and indirect operations. Corning plans to continue to identify and implement water-use reduction projects in our direct operations, which could offset the increased future dependency.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Have not evaluated	Certain Corning facilities recycle industrial wastewater for use in their manufacturing process. Therefore, sufficient amounts of recycled water are important to the operations at these sites. Corning plans for business growth in the coming years, implying an increase in future dependency for recycled water in our direct operations. Corning plans to continue to identify and implement water-

			use reduction projects in our direct operations, which could offset the increased future dependency. Currently, Corning has not evaluated the use of recycled, brackish, and/or produced water in our indirect operations.

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	100%	Corning tracks environmental data, including water withdrawal, using our EHS Management Information System. Water withdrawal is reported and reviewed monthly at the facility level. Water withdrawal values are aggregated at the corporate level and used to assess year-over-year water-use patterns. Two types of instruments may be used to compute pumped and withdrawn volumes: elapsed time meters and totalizing meters.
Water withdrawals – volumes by source	100%	Corning tracks environmental data, including water withdrawal, by water source using our online EHS Management Information System. Water withdrawal by source is reported and reviewed monthly at the facility level indicating whether the water is from groundwater, surface water, or from the public supply. Water withdrawal values are aggregated at the corporate level and used to assess year-over-year water-use patterns. Two types of instruments may be used to compute pumped and withdrawn volumes: elapsed time meters and totalizing meters.
Water withdrawals quality	100%	The majority of Corning manufacturing facilities use the public water supply in their operations. Therefore, the quality of the water is generally available from the water supplier annually. Certain facilities that use groundwater may conduct analyses to ensure an appropriate quality of water is maintained. These analyses are done as frequently as required by the

		regulatory requirements, which vary (e.g., monthly, annually, etc.).
Water discharges – total volumes	100%	Corning tracks environmental data, including water discharge volume, using our EHS Management Information System. Water discharge volume is reported and reviewed monthly at the facility level. Water discharge volume values are aggregated at the corporate level and used to assess year-over-year water discharge patterns. Two types of instruments may be used to compute water discharge volumes: elapsed time meters and totalizing meters.
Water discharges – volumes by destination	100%	Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations. Water discharge volume to municipal sanitary sewer is tracked using our EHS Management Information System. Water discharge volume values are aggregated at the corporate level and used to assess year over year water discharge patterns. Two types of instruments may be used to compute water discharge volumes: elapsed time meters and totalizing meters.
Water discharges – volumes by treatment method	Not monitored	Currently, Corning does not track water discharges by treatment method in our EHS Management Information System.
Water discharge quality – by standard effluent parameters	100%	Water discharge quality is monitored at the local facility level to ensure compliance with regulatory requirements. Each site is responsible for monitoring the effluent parameters required by its permit or regulatory requirements.
Water discharge quality – temperature	100%	Regarding water discharge quality, the temperature is monitored at the local facility level to ensure compliance with regulatory requirements for this parameter, if required. Each site is responsible for monitoring the effluent parameters required by its permit or regulatory requirements. The frequency of monitoring of temperature will vary based upon

		the facility-specific permit or regulatory requirements (e.g., monthly, annually, etc.).
Water consumption – total volume	100%	Corning tracks environmental data, including water withdrawal and water consumption, using our EHS Management Information System. Water consumption equals water withdrawal less waster discharged. Therefore, water consumption is tracked on a monthly basis.
Water recycled/reused	76-99	Corning tracks environmental data, including water recycled/reused using our EHS Management Information System, and the data is reviewed on a monthly basis. Certain Corning manufacturing facilities recycle/reuse their industrial wastewater in the manufacturing process. At each manufacturing facility, Corning maintains a team focused on water-use reduction opportunities that are eligible for corporate funding.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Corning provides access to clean water supply and adequate sanitation and hygiene (WASH) for all employees in accordance with our Environmental, Health, and Safety Standards. Corning conducts EHS compliance audits on a regular basis, which includes assessment of WASH services. The majority of Corning manufacturing facilities use the public water supply in their operations. Therefore, the quality of the water is generally available from the water supplier annually. Certain facilities that use groundwater may conduct analyses to ensure an appropriate quality of water is maintained. These analyses are done as frequently as required by the state and local regulatory requirements, which may vary (e.g., monthly, annually, etc.)

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	16,270	Higher	From 2018 to 2019, our total withdrawals of water increased by 4.4%, mainly driven by an increase in production output and partially offset by an increase in water conservation projects and water recycling at the local level. The water withdrawals increase can also be partially attributed to a 1.9% year-over-year increase in revenue.
Total discharges	12,336	About the same	From 2018 to 2019, our total discharge volume was largely unchanged despite increases in production output. The total discharge volume remained about the same due to an increase in water conservation projects at the local level and water recycling.
Total consumption	3,934	Much higher	From 2018 to 2019, our total consumption volume increased by 25%. This can be attributed to higher total withdrawals and total discharges remaining about the same year-over-year.

W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress and provide the proportion.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Identification tool	Please explain
Row 1	Yes	1-10	About the same	WRI Aqueduct	Corning used the WRI Aqueduct tool to assess which of our sites are located in water stressed areas. Site location coordinates have been entered into the WRI Aqueduct tool to provide the most accurate assessment of water stressed locations. The tool has been integrated into our EHS Management Information System for user knowledge.

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	Relevant	29	Lower	From 2018 to 2019, there was a decrease in surface water withdrawals from 40 megaliters to 29 megaliters. Surface water accounts for less than 1% of Corning's total water withdrawals.
Brackish surface water/Seawater	Not relevant			Corning has not identified locations that use brackish surface water or seawater.
Groundwater – renewable	Relevant	5,282	Higher	From 2018 to 2019, there was an increase in renewable groundwater withdrawals from 5,109 megaliters to 5,282 megaliters.
Groundwater – non-renewable	Not relevant			Corning has not identified locations that use non-renewable groundwater.
Produced/Entrained water	Not relevant			Corning has not identified locations that use product or entrained water.
Third party sources	Relevant	10,959	Higher	From 2018 to 2019, there was an increase in water withdrawals from third-party sources from 10,478 megaliters to 10,959 megaliters.

W1.2i

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

	Relevance	Please explain

Fresh surface water	Relevant but volume unknown	Corning tracks environmental data, including water discharge volumes using our EHS Management Information System. Water discharge volume is reported and reviewed monthly at the facility level. Water discharge volume values are aggregated at the corporate level and used to assess year over year water discharge volume patterns. Some of our facilities discharge storm water, cooling water, and treated industrial wastewater to fresh surface water bodies, such as rivers and streams.
Brackish surface water/seawater	Not relevant	Currently, Corning does not track the volume of water discharged to brackish surface water or seawater destinations.
Groundwater	Not relevant	Currently, Corning does not discharge to groundwater destinations.
Third-party destinations	Relevant but volume unknown	Corning tracks environmental data, including water discharge volumes using our EHS Management Information System. Water discharge volume is reported and reviewed monthly at the facility level. Water discharge volume values are aggregated at the corporate level and used to assess year over year water discharge volume patterns. We also track types of water use using our online EHS Management Information System. The water discharged to third-party destinations is a result of water used for sanitary, cooling, or process water purposes.

W1.4

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

Yes, our customers or other value chain partners

W1.4c

(W1.4c) What is your organization's rationale and strategy for prioritizing engagements with customers or other partners in its value chain?

Corning engages with our customers by responding to water-related questions in ESG questionnaires that are sent to us. We also respond to the CDP Water Security Questionnaire as requested by our customers.

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?

Yes, fines, enforcement orders or other penalties 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

0

Total value of fines

0

% of total facilities/operations associated

1

Number of fines compared to previous reporting year

About the same

Comment

Corning did experience two water-related issues where a regulatory agency was involved. However, neither of these issues are deemed significant and none resulted in a fine.

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

Full

Risk assessment procedure

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

Frequency of assessment

Every two years

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Tools on the market
Other

Tools and methods used

WRI Aqueduct
External consultants

Comment

Corning has implemented a sustainability materiality assessment that takes into account not only the sustainability risks and opportunities to Corning in our direct operations, but also within our supply chain and our extended value chain. We have used external consultant assistance with our assessment and have also used the WRI Aqueduct tool to determine which of our operations are located in water stressed areas in completing our assessment and setting sustainability goals. Our current public sustainability goal for water is to enhance our water strategies across Corning sites, prioritizing manufacturing plants and communities in high-risk water-scarce regions, by 2025.

Supply chain

Coverage

Partial

Risk assessment procedure

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

Frequency of assessment

Every two years

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Tools on the market
Other

Tools and methods used

WRI Aqueduct
External consultants

Comment

Corning has implemented a sustainability materiality assessment that takes into account not only the sustainability risks and opportunities to Corning in our direct operations, but also within our supply chain and our extended value chain. We have used external consultant assistance with our assessment and have also used the WRI Aqueduct tool to determine which of our operations are located in water stressed areas in completing our assessment and setting sustainability goals. Our current public sustainability goal for water is to enhance our water strategies across Corning sites, prioritizing manufacturing plants and communities in high-risk water-scarce regions, by 2025.

Other stages of the value chain

Coverage

Partial

Risk assessment procedure

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

Frequency of assessment

Every two years

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Tools on the market
Other

Tools and methods used

WRI Aqueduct
External consultants

Comment

Corning has implemented a sustainability materiality assessment that takes into account not only the sustainability risks and opportunities to Corning in our direct operations, but also within our supply chain and our extended value chain. We have used external consultant assistance with our assessment and have also used the WRI Aqueduct tool to determine which of our operations are located in water stressed areas in completing our assessment and setting sustainability goals. Our current public sustainability goal for water is to enhance our water strategies across Corning sites, prioritizing manufacturing plants and communities in high-risk water-scarce regions, by 2025.

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, sometimes included	Corning has used the WRI Aqueduct tool to inform our risk assessment and water availability at the basin/catchment level is part of the Aqueduct tool.
Water quality at a basin/catchment level	Relevant, sometimes included	Corning has used the WRI Aqueduct tool to inform our risk assessment and water quality at the basin/catchment level is part of the Aqueduct tool.
Stakeholder conflicts concerning water resources at a basin/catchment level	Relevant, sometimes included	Corning has used the WRI Aqueduct tool to inform our risk assessment and public awareness of water issues is part of the Aqueduct tool.
Implications of water on your key commodities/raw materials	Relevant, sometimes included	A reduction, interruption or delay of supply, or a significant increase in the price for supplies, such as manufacturing equipment, precious metals, raw materials, or utilities including energy and industrial water, could have a material adverse effect on our businesses. If a supplier is unable to provide the required raw materials or the natural resource is in scarce supply or not readily available, we may be unable to change our product composition or manufacturing process to prevent disruption to our business. (2020 Form 10-K, page 17)
Water-related regulatory frameworks	Relevant, sometimes included	Corning is subject to both U.S. laws and the local laws where we operate, including water-related regulations. Noncompliance or violations could result in fines or criminal sanctions against us, our officers, or employees, and prohibitions on the conduct of our business. Such violations could result in prohibitions on our ability to offer our products and services in one or more countries and regions and could also materially damage our reputation, our brand, our international expansion efforts, our ability to attract and retain employees, and our business and operating results. Our success depends, in part, on our ability to anticipate and manage these risks. (2020 Form 10-K, page 18)
Status of ecosystems and habitats	Relevant, sometimes included	Corning has used the WRI Aqueduct tool to inform our risk assessment and ecosystem vulnerability is part of the Aqueduct tool. In addition, we have an extensive program to ensure that our facilities comply with state, federal, and foreign pollution-control regulations. (2020 Form 10-K, page 9)
Access to fully-functioning, safely managed WASH	Relevant, always included	Corning's vision is for every employee to enjoy a career free from injury and illness. To realize this goal, we strive to meet the following objectives at each of our facilities: -Provide a safe and healthy workplace that supports positive behaviors, optimizes health and productivity, and

services for all employees		minimizes risk and liability -Meet or exceed compliance with outside regulations as well as with internal company safety and health policies -Integrate safety and health programs at the employee, management, operations, and overall business levels -Continuously improve our overall safety and health performance To meet these objectives, we employ an occupational safety and health management system that incorporates hazard recognition and risk evaluation and control, and we take an integrated approach to health and safety that includes non-occupational health and wellness programs. (corning.com, Health and Safety Policy)
Other contextual issues, please specify	Not considered	

W3.3c

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

	Relevance & inclusion	Please explain
Customers	Relevant, always included	Customers are considered in the risk assessment because Corning succeeds through sustained investment in research and development, a unique combination of material and process innovation, and deep, trust-based relationships with customers who are global leaders in their industries. (corning.com, Our Company)
Employees	Relevant, always included	Employees are considered in the risk assessment because Corning's vision is for every employee to enjoy a career free from injury and illness. To realize this goal, we strive to meet the following objectives at each of our facilities: -Provide a safe and healthy workplace that supports positive behaviors, optimizes health and productivity, and minimizes risk and liability -Meet or exceed compliance with outside regulations as well as with internal company safety and health policies -Integrate safety and health programs at the employee, management, operations, and overall business levels -Continuously improve our overall safety and health performance

		To meet these objectives, we employ an occupational safety and health management system that incorporates hazard recognition and risk evaluation and control, and we take an integrated approach to health and safety that includes non-occupational health and wellness programs. (corning.com, Health and Safety Policy)
Investors	Relevant, always included	The viewpoint of investors was considered in the risk assessment by relying upon our internal functional subject matter experts to relay the importance and concerns of the stakeholder they have interaction with and knowledge of with respect to the specific sustainability topics. The materiality assessment identified "water conservation" as a material sustainability issue for Corning.
Local communities	Relevant, always included	Corning is dedicated to improving our communities through the Corning Incorporated Foundation and the generosity of our employees. Therefore, local communities are considered in the risk assessment.
NGOs	Relevant, always included	The viewpoint of NGOs was considered in the risk assessment by relying upon our internal functional subject matter experts to relay the importance and concerns of the stakeholder they have interaction with and knowledge of with respect to the specific sustainability topics. The materiality assessment identified "water conservation" as a material sustainability issue for Corning.
Other water users at a basin/catchment level	Relevant, always included	The viewpoint of other water users at a basin/catchment level was considered in the risk assessment by relying upon our internal functional subject matter experts to relay the importance and concerns of the stakeholder they have interaction with and knowledge of with respect to the specific sustainability topics. The materiality assessment identified "water conservation" as a material sustainability issue for Corning.
Regulators	Relevant, always included	Regulators are considered in the risk assessment due to Corning's extensive program to ensure that its facilities comply with state, federal and foreign pollution-control regulations. (2020 Form 10-K, page 9)
River basin management authorities	Relevant, always included	River basin management authorities are considered in the risk assessment due to Corning's extensive program to ensure that its facilities comply with state, federal and foreign pollution-control regulations. (2020 Form 10-K, page 9)
Statutory special interest groups at a local level	Relevant, always included	Statutory special interest groups at a local level are considered in the risk assessment due to Corning's extensive program to

		ensure that its facilities comply with state, federal and foreign pollution-control regulations. (2020 Form 10-K, page 9)
Suppliers	Relevant, always included	Suppliers are considered in the risk assessment because Corning's manufacturing processes and products require access to uninterrupted power sources, significant quantities of industrial water, certain precious metals and various batch materials. For many of its products, Corning has alternate suppliers that would allow operations to continue without interruption in the event of specific materials shortages.(2020 Form 10-K, page 8)
Water utilities at a local level	Relevant, sometimes included	Water utilities at a local level are considered in the risk assessment because Corning's manufacturing processes and products require access to uninterrupted power sources, significant quantities of industrial water, certain precious metals and various batch materials. For many of its products, Corning has alternate suppliers that would allow operations to continue without interruption in the event of specific materials shortages.(2020 Form 10-K, page 8)
Other stakeholder, please specify	Relevant, sometimes included	Corning considers other stakeholders in water-related risk assessments as they are identified.

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.

Corning uses several tools to manage our water data and assess our impacts at the corporate and facility levels. Through our Environmental, Health & Safety Management Information System, we monitor water withdrawals, discharges, and consumption. All Corning manufacturing sites are certified to ISO 14001:2015 and use environmental management systems to manage water use and identify ways to improve water efficiency and quality. (Corning Sustainability Report 2020, page 18)

W4. Risks and opportunities

W4.1

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

Yes, only within our direct operations

W4.1a

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

Corning operates in rapidly changing economic, political, and technological environments that present numerous risks. Our operations and financial results are subject to risks and uncertainties that could adversely affect our business, financial condition, results of operations, cash flows, and our ability to successfully execute our Strategy & Growth Framework. (2020 Form 10-K, page 14)

We use the following process to determine which risks and/or opportunities could have a substantive strategic or financial impact on our business: implementing our Enterprise Risk Management (ERM) process, including an analysis of many factors that include probability and impact of risks, velocity of onset, risk response, and effectiveness, as well as other factors.

W4.1b

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

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	17	1-25	Through the use of the World Resources Institute's Aqueduct tool, we have identified that 17 of our manufacturing facilities are located in an area with high or extremely high water stress.

W4.1c

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

Country/Area & River basin

China

Other, please specify

Ziya He

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

Comment

Country/Area & River basin

Mexico

Bravo

Number of facilities exposed to water risk

7

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

Comment

Country/Area & River basin

China

Other, please specify

Luke Tail Hu

Number of facilities exposed to water risk

2

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

Comment

Country/Area & River basin

United States of America

Cape Fear River

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

Comment

Country/Area & River basin

France

Seine

Number of facilities exposed to water risk

2

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

Comment

Country/Area & River basin

United States of America

Colorado River (Pacific Ocean)

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

Comment

Country/Area & River basin

United States of America
Trinity River (Texas)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
Less than 1%

% company's total global revenue that could be affected

Comment

Country/Area & River basin
France
Other, please specify
Scheldt/Leie

Number of facilities exposed to water risk
1

% company-wide facilities this represents
Less than 1%

% company's total global revenue that could be affected

Comment

Country/Area & River basin
Italy
Other, please specify
Arno

Number of facilities exposed to water risk
1

% company-wide facilities this represents
Less than 1%

% company's total global revenue that could be affected

Comment

W4.2

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

Country/Area & River basin

China

Other, please specify

Ziya He

Type of risk & Primary risk driver

Physical

Increased water stress

Primary potential impact

Other, please specify

Currently, the primary potential impact is under evaluation.

Company-specific description

Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-high

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Currently, financial impact has not been assessed.

Primary response to risk

Comply with local regulatory requirements

Description of response

Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response

Currently, we have not assessed a cost of response.

Country/Area & River basin

Mexico

Bravo

Type of risk & Primary risk driver

Physical

Increased water stress

Primary potential impact

Other, please specify

Currently, the primary potential impact is under evaluation.

Company-specific description

Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe

More than 6 years

Magnitude of potential impact

Medium

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact
Currently, financial impact has not been assessed.

Primary response to risk
Comply with local regulatory requirements

Description of response
Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response
Currently, we have not assessed a cost of response.

Country/Area & River basin
China
Other, please specify
Luke Tail Hu

Type of risk & Primary risk driver
Physical
Increased water stress

Primary potential impact
Other, please specify
Currently, the primary potential impact is under evaluation.

Company-specific description
Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe
More than 6 years

Magnitude of potential impact
Medium-high

Likelihood
Unlikely

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Currently, financial impact has not been assessed.

Primary response to risk

Comply with local regulatory requirements

Description of response

Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response

Currently, we have not assessed a cost of response.

Country/Area & River basin

United States of America

Cape Fear River

Type of risk & Primary risk driver

Physical

Increased water stress

Primary potential impact

Other, please specify

Currently, the primary potential impact is under evaluation.

Company-specific description

Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-low

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Currently, financial impact has not been assessed.

Primary response to risk

Comply with local regulatory requirements

Description of response

Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response

Currently, we have not assessed a cost of response.

Country/Area & River basin

United States of America

Colorado River (Pacific Ocean)

Type of risk & Primary risk driver

Physical

Increased water stress

Primary potential impact

Other, please specify

Currently, the primary potential impact is under evaluation.

Company-specific description

Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-high

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Currently, financial impact has not been assessed.

Primary response to risk

Comply with local regulatory requirements

Description of response

Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response

Currently, we have not assessed a cost of response.

Country/Area & River basin

United States of America

Trinity River (Texas)

Type of risk & Primary risk driver

Physical

Increased water stress

Primary potential impact

Other, please specify

Currently, the primary potential impact is under evaluation.

Company-specific description

Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-high

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Currently, financial impact has not been assessed.

Primary response to risk

Comply with local regulatory requirements

Description of response

Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response

Currently, we have not assessed a cost of response.

Country/Area & River basin

Italy

Other, please specify

Arno

Type of risk & Primary risk driver

Physical

Increased water stress

Primary potential impact

Other, please specify

Currently, the primary potential impact is under evaluation.

Company-specific description

Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-high

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Currently, financial impact has not been assessed.

Primary response to risk

Comply with local regulatory requirements

Description of response

Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response

Currently, we have not assessed a cost of response.

Country/Area & River basin

France

Seine

Type of risk & Primary risk driver

Physical

Increased water stress

Primary potential impact

Other, please specify

Currently, the primary potential impact is under evaluation.

Company-specific description

Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-high

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Currently, financial impact has not been assessed.

Primary response to risk

Comply with local regulatory requirements

Description of response

Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response

Currently, we have not assessed a cost of response.

Country/Area & River basin

France

Other, please specify

Scheldt/Leie

Type of risk & Primary risk driver

Physical

Increased water stress

Primary potential impact

Other, please specify

Currently, the primary potential impact is under evaluation.

Company-specific description

Currently, Corning has assessed the number of our manufacturing facilities located in high or extremely high water stressed areas. We are assessing the potential impacts, if any, based on this information.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-high

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Currently, financial impact has not been assessed.

Primary response to risk

Comply with local regulatory requirements

Description of response

Currently, our response to the risk is to comply with local requirements.

Cost of response

Explanation of cost of response

Currently, we have not assessed a cost of response.

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	Not yet evaluated	Currently, Corning has not assessed the water risks in our value chain.

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?

No

W4.3b

(W4.3b) Why does your organization not consider itself to have water-related opportunities?

	Primary reason	Please explain
Row 1	Opportunities exist, but none with potential to have a substantive financial or strategic impact on business	Corning assesses each of our operating facilities for opportunities for improved management of water annually through the implementation of an environmental management system developed in accordance with ISO 14001 at each of our operating facilities. Opportunities are identified, assessed, and implemented. Corning assesses the opportunities and generally implements those that meet our criteria for capital improvements. These improvements are beneficial to the environment and to our operations; however, we have not found them to have a substantive financial or strategic impact on the business at the corporate level.

W5. Facility-level water accounting

W5.1

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

Facility reference number

Facility 1

Facility name (optional)

Country/Area & River basin

China

Other, please specify

Ziya He

Latitude

39.91

Longitude

116.4

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

489

Comparison of total withdrawals with previous reporting year

About the same

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

489

Total water discharges at this facility (megaliters/year)

186

Comparison of total discharges with previous reporting year

Much lower

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

11.4

Total water consumption at this facility (megaliters/year)

303

Comparison of total consumption with previous reporting year

Much higher

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 2

Facility name (optional)

Country/Area & River basin

Mexico

Bravo

Latitude

25.97

Longitude

-100.37

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

11.6

Comparison of total withdrawals with previous reporting year

Lower

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0.7

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

10.9

Total water discharges at this facility (megaliters/year)

11.5

Comparison of total discharges with previous reporting year

Lower

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

3.1

Total water consumption at this facility (megaliters/year)

0.1

Comparison of total consumption with previous reporting year

About the same

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 3

Facility name (optional)

Country/Area & River basin

China

Other, please specify

Luke Tail Hu

Latitude

31.12

Longitude

121.3

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

27.3

Comparison of total withdrawals with previous reporting year

Much lower

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

27.3

Total water discharges at this facility (megaliters/year)

10

Comparison of total discharges with previous reporting year

Much lower

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

6.9

Total water consumption at this facility (megaliters/year)

17.3

Comparison of total consumption with previous reporting year

Much lower

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 4

Facility name (optional)

Country/Area & River basin

China

Other, please specify

Luke Tail Hu

Latitude

31.52

Longitude

120.12

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

19

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

19

Total water discharges at this facility (megaliters/year)

18.5

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

12.2

Total water consumption at this facility (megaliters/year)

0.5

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 5

Facility name (optional)

Country/Area & River basin

United States of America

Cape Fear River

Latitude

34.61

Longitude

-77.71

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

378.2

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

378.2

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

0

Total water discharges at this facility (megaliters/year)

30.7

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

30.7

Total water consumption at this facility (megaliters/year)

347.5

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 6

Facility name (optional)

Country/Area & River basin

United States of America

Colorado River (Pacific Ocean)

Latitude

33.48

Longitude

-111.97

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

42.4

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

42.4

Total water discharges at this facility (megaliters/year)

50.9

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

12.6

Total water consumption at this facility (megaliters/year)

-8.5

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 7

Facility name (optional)

Country/Area & River basin

United States of America
Trinity River (Texas)

Latitude
33

Longitude
-97.73

Located in area with water stress
Yes

Total water withdrawals at this facility (megaliters/year)
5.4

Comparison of total withdrawals with previous reporting year
This is our first year of measurement

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
5.4

Total water discharges at this facility (megaliters/year)
5.4

Comparison of total discharges with previous reporting year
This is our first year of measurement

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations

5.4

Total water consumption at this facility (megaliters/year)

0

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 8

Facility name (optional)

Country/Area & River basin

Italy

Other, please specify

Arno

Latitude

43.58

Longitude

10.65

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

28.1

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

5.9

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

22.2

Total water discharges at this facility (megaliters/year)

12.6

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

4.6

Total water consumption at this facility (megaliters/year)

15.5

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 9

Facility name (optional)

Country/Area & River basin

France

Seine

Latitude

48.52

Longitude

2.61

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

65.7

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

5.7

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

56.8

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

3.2

Total water discharges at this facility (megaliters/year)

60

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

3.2

Total water consumption at this facility (megaliters/year)

5.7

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 10

Facility name (optional)

Country/Area & River basin

France

Other, please specify

Scheldt/Leie

Latitude

50.56

Longitude

2.37

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

1.3

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

1.3

Total water discharges at this facility (megaliters/year)

1

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

1

Total water consumption at this facility (megaliters/year)

0.3

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 11

Facility name (optional)

Country/Area & River basin

France

Seine

Latitude

48.52

Longitude

2.61

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

6.1

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

6.1

Total water discharges at this facility (megaliters/year)

6

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

2.6

Total water consumption at this facility (megaliters/year)

0.1

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 12

Facility name (optional)

Country/Area & River basin

Mexico
Bravo

Latitude

26.12

Longitude

-98.41

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

148.3

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

126.4

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

21.9

Total water discharges at this facility (megaliters/year)

145

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

116

Total water consumption at this facility (megaliters/year)

3.3

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 13

Facility name (optional)

Country/Area & River basin

Mexico

Bravo

Latitude

26.12

Longitude

-98.41

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

46

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

46

Total water discharges at this facility (megaliters/year)

38.7

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

38.7

Total water consumption at this facility (megaliters/year)

7.3

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 14

Facility name (optional)

Country/Area & River basin

Mexico
Bravo

Latitude

26.12

Longitude

-98.41

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

31.9

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

31.9

Total water discharges at this facility (megaliters/year)

31.9

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

31.9

Total water consumption at this facility (megaliters/year)

0

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 15

Facility name (optional)

Country/Area & River basin

Mexico

Bravo

Latitude

26.12

Longitude

-98.41

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

26.7

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

26.7

Total water discharges at this facility (megaliters/year)

26.7

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

26.3

Total water consumption at this facility (megaliters/year)

0

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 16

Facility name (optional)

Country/Area & River basin

Mexico
Bravo

Latitude

26.12

Longitude

-98.41

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

10.5

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

10.5

Total water discharges at this facility (megaliters/year)

4

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

3.6

Total water consumption at this facility (megaliters/year)

6.5

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

Facility reference number

Facility 17

Facility name (optional)

Country/Area & River basin

Mexico
Bravo

Latitude

26.12

Longitude

-98.41

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

3.7

Comparison of total withdrawals with previous reporting year

This is our first year of measurement

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

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

3.7

Total water discharges at this facility (megaliters/year)

3.7

Comparison of total discharges with previous reporting year

This is our first year of measurement

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

3.7

Total water consumption at this facility (megaliters/year)

0

Comparison of total consumption with previous reporting year

This is our first year of measurement

Please explain

Total water consumption is calculated by subtracting total discharges from total withdrawals. Currently, water discharge by volume to municipal sanitary sewer is the only destination tracked at a corporate level. Individual sites track discharges to other destinations as required by local regulations.

W5.1a

(W5.1a) For the facilities referenced in W5.1, what proportion of water accounting data has been externally verified?

Water withdrawals – total volumes

% verified

76-100

What standard and methodology was used?

The reporting criteria used to evaluate the sustainability data and indicators were Corning's internal procedures. A third-party verification company was used to perform the verification, and its verification procedure is based on current best practices and is in accordance with ISAE 3000 and ISAE 3410.

Water withdrawals – volume by source

% verified

76-100

What standard and methodology was used?

The reporting criteria used to evaluate the sustainability data and indicators were Corning's internal procedures. A third-party verification company was used to perform the verification, and its verification procedure is based on current best practices and is in accordance with ISAE 3000 and ISAE 3410.

Water withdrawals – quality

% verified

Not verified

Water discharges – total volumes

% verified

76-100

What standard and methodology was used?

The reporting criteria used to evaluate the sustainability data and indicators were Corning's internal procedures. A third-party verification company was used to perform

the verification, and its verification procedure is based on current best practices and is in accordance with ISAE 3000 and ISAE 3410.

Water discharges – volume by destination

% verified

76-100

What standard and methodology was used?

The reporting criteria used to evaluate the sustainability data and indicators were Corning's internal procedures. A third-party verification company was used to perform the verification, and its verification procedure is based on current best practices and is in accordance with ISAE 3000 and ISAE 3410.

Water discharges – volume by treatment method

% verified

Not verified

Water discharge quality – quality by standard effluent parameters

% verified

Not verified

Water discharge quality – temperature

% verified

Not verified

Water consumption – total volume

% verified

76-100

What standard and methodology was used?

The reporting criteria used to evaluate the sustainability data and indicators were Corning's internal procedures. A third-party verification company was used to perform the verification, and its verification procedure is based on current best practices and is in accordance with ISAE 3000 and ISAE 3410.

Water recycled/reused

% verified

76-100

What standard and methodology was used?

The reporting criteria used to evaluate the sustainability data and indicators were Corning's internal procedures. A third-party verification company was used to perform the verification, and its verification procedure is based on current best practices and is in accordance with ISAE 3000 and ISAE 3410.

W6. Governance

W6.1

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

Yes, we have a documented water policy that is 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 Reference to international standards and widely-recognized water initiatives Company water targets and goals Commitment to align with public policy initiatives, such as the SDGs Commitments beyond regulatory compliance	Corning's water policy is included in our Environmental Policy. Our Environmental Policy outlines our commitment to operate in an environmentally responsible manner and includes measures to reduce emissions, waste, and energy and water consumption. We comply with and strive to exceed all applicable laws, regulations, and company standards. We use our Global Energy Management (GEM) program to strategically manage our global energy use to optimize energy productivity, power supply reliability, and environmental impact, while also managing water, waste, and emissions. We also maintain a comprehensive environmental, health, and safety software platform based on the principles of the global standard ISO 14001 to track environmental data, including water data. In 2020, Corning announced a set of sustainability goals that align with the United Nations' Sustainable Development Goals, including one for water: "Corning Incorporated will enhance its strategies across Corning sites, prioritizing manufacturing plants and communities in high-risk, water-scarce regions, by 2025." This goal aligns with SDG 6 (Clean Water and Sanitation) and SDG 12 (Responsible Consumption and Production). (Corning Sustainability Report 2020, pages 13, 45)

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	Please explain
Board-level committee	The function of Corning's Corporate Responsibility and Sustainability Committee of the Board of Directors includes assisting the Board in reviewing with the corporation's management strategies, plans, policies, and actions related to our sustainability program and environmental responsibilities. This review includes sustainability goals, environmental and social policies and practices, and energy and water management strategies, among other areas of focus. An example of a decision the Corporate Responsibility and Sustainability Committee of the Board made is that the committee reviewed and approved Corning's public sustainability goals. The director of sustainability presents annually to the committee. This presentation includes a dashboard indicating the implementation and performance against objectives for all sustainability-related goals. Additionally, the director of global environment and sustainability has the responsibility to track and report on water-related metrics, among other environmental areas, and presents annually to the committee. The Corporate Responsibility and Sustainability Committee provides oversight of Corning's environmental and health and safety policies. Please visit the Governance section of our Investor Relations page at www.corning.com to view the Corporate Responsibility and Sustainability Committee charter.

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	Scheduled - some meetings	Monitoring implementation and performance Reviewing and guiding corporate responsibility strategy	The director of sustainability presents annually to the committee. This presentation includes a dashboard indicating the implementation and performance against objectives for all sustainability-related goals. Additionally, the director of global environment and sustainability has the responsibility to track and report on water-related metrics, among other environmental areas, and presents annually to the committee. The director's presentation gives an overview of strategies and actions Corning has put in place to reduce greenhouse gas emissions and

			recommends strategies that will create a positive and sustainable impact by Corning for years to come. The committee members provide their feedback on the information presented.

W6.3

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

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

Other, please specify

Director of Global Environment and Sustainability

Responsibility

Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

Annually

Please explain

The director of global environment and sustainability is responsible for overseeing Global Energy Management, which strategically manages global water usage. The director also is responsible for maintenance of a comprehensive environmental, health, and safety software platform based on the principles of the global standard ISO 14001 to track environmental data.

W6.4

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

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	

W6.4a

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

	Role(s) entitled to incentive	Performance indicator	Please explain
Monetary reward			

Non-monetary reward	Other, please specify C-suite employees	Other, please specify Water-related projects	C-Suite employees at Corning work closely with the Global Energy Management organization and frequently receive recognition for successful water project completion by having projects shared as best practices.

W6.5

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

Yes, trade associations

Yes, funding research organizations

W6.5a

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

In conducting our Government Affairs program, Corning is committed to ensuring that its political and lobbying activities are conducted in full compliance with applicable laws and in a manner that reflects Corning's core corporate Values. Corning's Global Government Affairs group has authority to make decisions on behalf of the company regarding political contributions to nonfederal candidates and other nonfederal political entities where permitted by law. Such decisions are made in consultation with Corning's internal and/or external legal counsel and are subject to oversight by our board's Corporate Responsibility and Sustainability Committee. Corning political contributions are made without regard for the political preferences of our executives. On a semiannual basis, we will disclose nonfederal political contributions that exceed $1,000 during a calendar year. To view this list, see the Political Contributions page on Corning.com. Our Global Government Affairs group is responsible for overseeing all lobbying activities, and we disclose lobbying activities and expenditures as required by applicable federal, state, and local laws. (Corning Sustainability Report 2020, page 38)

W6.6

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

Yes (you may attach the report - this is optional)

2020-Form-10-K_FINAL.pdf

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	If we are unable to obtain certain specialized equipment, raw and batch materials or natural resources required in our products or processes, our business will suffer. Our ability to meet customer demand depends, in part, on our ability to obtain timely and adequate delivery of equipment, parts, components and raw materials from our suppliers. We may experience shortages that could adversely affect our operations. Certain manufacturing equipment, components and raw materials are available only from single or limited sources, and we may not be able to find alternate sources in a timely manner. A reduction, interruption or delay of supply, or a significant increase in the price for supplies, such as manufacturing equipment, precious metals, raw materials, utilities including energy and industrial water, could have a material adverse effect on our businesses. We use specialized raw materials from single-source suppliers (e.g., specific mines or quarries) and natural resources (e.g., helium) in certain products and processes. If a supplier is unable to provide the required raw materials or the natural resource is in scarce supply or not readily available, we may be unable to change our product composition or manufacturing process to prevent disruption to our business. (2020 Form 10-K, page 17)
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	In 2020, Corning took several steps to make our sustainability approach more structured, proactive, and goal-oriented. These actions were grounded in a sustainability materiality assessment. Through this assessment process, Corning identified 20 issues deemed to be material to our business, including water conservation. We regularly evaluate our strategy and approach to each material issue. Ongoing evaluation will ensure that we are responding appropriately to the most critical issues and that we have effectively identified those that require action over the short, medium, and long terms. (Corning Sustainability Report, pages 42, 43)

Financial planning	Yes, water-related issues are integrated	5-10	Corning has integrated environmental, social, and governance-related risks into our risk management process. We followed guidance provided by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) and the World Business Council for Sustainable Development (WBCSD). Going forward, we will reference the recommendations of the Task Force for Climate-Related Financial Disclosures to deepen our understanding of the potential impacts of climate-change risk on Corning. (Corning Sustainability Report, page 38)

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)

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

Water-related OPEX (+/- % change)

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

Please explain

Water-related CAPEX and OPEX expenditures are not currently tracked in detail at a corporate level. However, an analysis our water withdrawal indicates that water-related expenditures remained relatively stable in 2019 compared to 2018. We anticipate the OPEX forward trend will be positive as we make progress towards our water sustainability goal.

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, but we anticipate doing so within the next two years	Corning has integrated environmental, social, and governance-related risks into our enterprise risk management process. We followed guidance provided by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) and the World Business Council for Sustainable Development (WBCSD). Going forward, we will reference the recommendations of the Task Force for Climate-Related Financial Disclosures to deepen our understanding of the potential impacts of climate-change risk on Corning. (Corning Sustainability Report 2020, page 38)

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, but we are currently exploring water valuation practices

Please explain

Corning strives to continuously improve its business strategy development process and we are currently exploring water valuation practices.

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 Business level specific targets and/or goals Site/facility specific targets and/or goals	Targets are monitored at the corporate level Goals are monitored at the corporate level	In 2020, Corning announced a set of sustainability goals that align with the United Nations' Sustainable Development Goals, including one for water: "Corning Incorporated will enhance its strategies across Corning sites, prioritizing manufacturing plants and communities in high-risk, water-scarce regions, by 2025." We also set an internal water efficiency target in 2018 that applies to each business within Corning. At a site level, all of our manufacturing facilities are required to be certified to ISO 14001-2015. Therefore, each site evaluates and determines environmental aspects with significant impacts. They establish objectives and targets to improve the environmental aspect, implement actions, and track improvement. Although, the specific projects are not

			monitored at the corporate level, the amount of water used is tracked at the corporate level.

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 use efficiency

Level

Business

Primary motivation

Recommended sector best practice

Description of target

Corning business units have been tasked with a challenge to increase water use efficiency by a certain percentage.

Quantitative metric

Other, please specify

Intensity target per unit of output

Baseline year

2018

Start year

2018

Target year

2023

% of target achieved

Please explain

This is an internal target and actual values are confidential.

W8.1b

(W8.1b) Provide details of your water goal(s) that are monitored at the corporate level and the progress made.

Goal

Other, please specify

Sustainability goal

Level

Company-wide

Motivation

Reduced environmental impact

Description of goal

Corning Incorporated will enhance its water strategies across Corning sites, prioritizing manufacturing plants and communities in high-risk water-scarce regions, by 2025.

Baseline year

Start year

2020

End year

2025

Progress

Corning has assessed which manufacturing locations are located in high or extremely high stressed, water scarce regions of the world by using the World Resource Institute's Aqueduct tool. In 2020, we have mapped water risk areas based on the assessment using the Aqueduct tool. We also briefed and began evaluating water projects with Global Energy Management teams worldwide. (Corning Sustainability Report 2020, page 45).

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

CY19 Corning Verification Statement GHG & Water.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	The data verified is total water consumption and total wastewater (process water, cooling water, and sanitary water).	ISAE 3000	The third-party's verification procedure is based on current best practices and is in accordance with ISAE 3000 and ISAE 3410.

W10. 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.

W10.1

(W10.1) Provide details for the person that has signed off (approved) your CDP water response.

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

W10.2

(W10.2) 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)].

No

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission	Are you ready to submit the additional Supply Chain questions?
I am submitting my response	Investors	Public	Yes, I will submit the Supply Chain questions now

	Customers		

Please confirm below

I have read and accept the applicable Terms