

Welcome to your CDP Water Security Questionnaire 2022

W0. Introduction

W0.1

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

Crown Holdings, Inc., through its affiliated companies, is a leading supplier of beverage packaging, food packaging, aerosol packaging, metal closures, specialty packaging and transit packaging products to consumer companies around the world. Crown is the leader in metal packaging technology. With operations in 42 countries employing over 26,000 people and net sales of \$11.4 billion, Crown operations are divided in four divisions; America, Europe, Asia Pacific and Transit Packaging.

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, 2021	December 31, 2021

W0.3

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

- Australia
- Barbados
- Belgium
- Brazil
- Bulgaria
- Cambodia
- Canada
- China
- Colombia
- Denmark
- Finland
- France
- Germany
- Greece
- India

Indonesia
Ireland
Italy
Jamaica
Jordan
Kenya
Malaysia
Mexico
Myanmar
Netherlands
Poland
Republic of Korea
Saudi Arabia
Singapore
Slovakia
Spain
Sweden
Switzerland
Thailand
Trinidad and Tobago
Tunisia
Turkey
United Arab Emirates
United Kingdom of Great Britain and Northern Ireland
United States of America
Viet Nam

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
For 2021 Crown is reporting 212 production sites. Excluded to that, 37 sites are part of the Transit Packaging division that have small offices and warehouses where water is not used or consumed for production purposes so these 37 sites are not contemplated in this report.	The Transit Packaging division have small sales offices that do not have significant amounts of water use to report, the amount is considered negligible and some do not use water at all.

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, an ISIN code	2283681060

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>VITAL - Water is considered vital for Crown's operations, especially in the manufacturing process of beverage cans and glass bottles. Water is required for the following manufacturing processes: cooling systems, forming, washing, rinsing cans and glass bottles and separating the sand for glass production. Even though Crown's facilities need fresh water inputs, most of this water returns to the water system as no water is present in our primary final product, and little in our tertiary products. Hence, aside for evaporation, Crown's final product does not contain water.</p> <p>IMPORTANT –Crown understands that water is important for our suppliers of aluminium and steel,</p>

			such as for cooling purposes in the extrusion processes, and we are engaging with them to understand their water footprint and actions taken to preserve water.
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Neutral	No brackish or produced water is used. Crown's processes utilize mainly freshwater. Though freshwater is recirculated in our process, there is no additional source of recycled water. Crown is analyzing the potential widespread use of membrane bioreactors (MBR) to increase water re-use and limit discharges in the near future. Crown Brazil implemented the MBR in 2020.

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%	100% of Crown's total volume withdrawn is monitored by meters and/or billing. The measurements are constant through watermeters provided by the city or in case of groundwater installed by the company. In some facilities, the water meter readings are done on a daily basis, in others it is a monthly or annual basis, by reviewing water meters and/or by reviewing billing statements.
Water withdrawals – volumes by source	100%	100% of Crown's total volume withdrawn is monitored and identified by municipal, surface or groundwater through metering and/or billing. In some facilities the water meter readings are done on a daily basis, in others it is a monthly or annual basis, by reviewing water meters and/or by reviewing billing statements.
Water withdrawals quality	100%	For Crown's sites that use water in their operation, the incoming water quality is monitored and the data is kept within operational controls. The water used in some parts of our operation requires a specific standard of hardness and conductivity, free acid, pH and temperature. The water at most

		locations is tested once per shift, or three times a day. With that, the quality of the water that goes into the process is always monitored and has to be within the specifications for quality control purposes. In some facilities water quality is analysed on a daily or more frequent basis, in others it is a monthly or annual basis, by reviewing water lab results and/or reports provided by local agencies.
Water discharges – total volumes	100%	<p>All Crown's plants that require a wastewater treatment system have records of wastewater quantity and quality discharged. The effluent parameters meet local compliance requirements.</p> <p>The plants that discharge directly to municipal waste water treatment system comply with the municipal discharge requirements as well. In some facilities the wastewater meter readings are done on a daily basis, in others it is a monthly or annual basis, by reviewing water meters and/or by reviewing billing statements.</p>
Water discharges – volumes by destination	100%	<p>The facilities that discharge into rivers have their volumes in 100% compliance with their permits. Crown has 14 sites that discharge water into rivers and 1 site that discharges in the ocean. 7% of plants discharge to rivers (and ocean) and 93% discharge to municipal waste water treatment plants. Data regarding wastewater volumes and discharge destination is tracked and recorded at the plant level and controlled at regional and corporate level.</p> <p>Crown teams work every day to improve the accuracy of the volumes read. In some facilities the wastewater meter readings are done on a daily basis, in others it is a monthly or annual basis, by reviewing water meters and/or by reviewing billing statements.</p>
Water discharges – volumes by treatment method	100%	<p>Crown's wastewater is treated according to the type of manufacturing processes and local discharge ordinances. 30% of plants treat wastewater using an on-site wastewater treatment system, 52% send wastewater to municipal wastewater treatment plants, 18% do not use water in production processes and so their only effluent is sewage water discharged to</p>

		the sewage system. In some facilities, the wastewater meter readings are done on a daily basis, in others it is a monthly or annual basis, by reviewing water meters and/or by reviewing billing statements.
Water discharge quality – by standard effluent parameters	100%	All plants manage discharge parameters required by the local regulations, according to the type of wastewater treatment used and discharge location. Plants that treat wastewater on-site monitor at minimum, BOD and COD parameters, in addition to other parameters required locally. In some facilities water quality is analyzed on a daily or more frequent basis, in others it is a monthly or annual basis, by reviewing water lab results and/or reports provided by local agencies.
Water discharge quality – temperature	100%	By the nature of our manufacturing process, our facilities do not yield high temperature water upon discharge. Wastewater discharge temperatures comply with local regulation. In some facilities water temperature is analyzed on a daily or more frequent basis, in others it is a monthly or annual basis, by reviewing on site analysis and reports provided by local agencies.
Water consumption – total volume	100%	All of Crown sites keep track of their total water inputs. Municipal, groundwater, rain and surface water VOLUMES are monitored. Consumption is normally reviewed on a half- yearly and yearly basis by reviewing the withdrawal and discharge data provided by the sites individually.
Water recycled/reused	26-50	Crown recycles/reuses water in all the beverage production plants and is some of its Transit Packaging sites. The amount of recycled water in our operations has increased ever since the launch of our Twentyby30 program. One example is our site in Karawang, where the site is utilizing the rejected water from RO water processing. For 2021, Crown sites that recycle/reuse water at the ratio selected (from 26-50%) represent approximately 89% of our the volume of water withdrawn in 2021. This is done annually by assessing the volume of water that is reused over the volume of the water withdrawn that year.

The provision of fully-functioning, safely managed WASH services to all workers	100%	Crown offers clean water access, sanitation and hygiene to all of its employees globally. Crown has set a goal to verify access to WASH annually and the information is verified annually by internal audits.
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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	9,116.3	Lower	<p>Crown divested part of our operations in 2021. We have since re-baselined our water usage to account for this.</p> <p>The 2020 withdrawal volume reported to CDP of 9,499.55 megaliters for the previous year included the since-divested business. Rebaselining this figure to account for the removal of the divested business yields a 2020 total withdrawal of 9,270.11 megaliters.</p> <p>2020 reported CDP - 9,499.55 megaliters 2020 after divestment - 9,270.11 megaliters. 2021 after divestment - 9,116.3 megaliters</p>
Total discharges	6,439.54	Lower	<p>Crown divested part of our operations in 2021. We have since re-baselined our water usage to account for this.</p> <p>The 2020 discharge volume reported to CDP of 7,292.94 megaliters for the previous year included the since-divested business. Rebaselining this figure to account for the removal of the divested business yields a 2020 total discharge of 7,070.38 megalitres.</p> <p>2020 reported CDP - 7,292.94 2020 after divestment - 7,070.38 megaliters. 2021 after divestment - 6,439.54 megaliters</p>
Total consumption	2,676.75	Higher	<p>The volume consumed in 2020 was 2,199.732 megaliters, this figure accounts with the removal of the divested business. Crown has opened in the last year two new beverage sites and expanded its production in some of its existing ones; adding lines, for example. In addition,</p>

			there are new initiatives to increase the amount of water recirculated within our process, which has generated less discharge. Crown has also been putting forth efforts to improve the accuracy on reading of the volumes discharged by making sure all sites have a wastewater meter. This accounts for some of the increasing consumption over prior years as we are continuing to improve our processes and rely on more accurate data.
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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	Please explain
Row 1	Yes	<p>For 2021 the amount of water withdrawn from areas with water stress was 2,654.39 megaliters , 29% of the total amount withdrawn by Crown that year.</p> <p>For 2020, 2,376.77 megaliters were withdrawn from areas with water stress, corresponding to 26% of the total water withdrawn that year.</p> <p>One of our site in Mexico had its water scarcity status move from LOW to EXTREMELY - HIGH water stressed area, which also accounts for the increase.</p> <p>This figure is for Crown 2020 without the divested business.</p>

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	783.81	Higher	<p>For 2020 the volume of surface water withdrawn was 780.24 megaliters excluding the divested business.</p> <p>For 2021 the volume was 783.81 megaliters excluding the divested business.</p>

Brackish surface water/Seawater	Not relevant			Crown does not use this type of water source.
Groundwater – renewable	Relevant	2,011.88	Higher	For the year of 2020, excluding the divested business, the volume of Groundwater withdrawn was 1,955.13 megalitres.
Groundwater – non-renewable	Not relevant			Crown does not use this type of water source.
Produced/Entrained water	Not relevant			Crown does not use this type of water source.
Third party sources	Relevant	6,320.61	Much lower	For the year of 2020 the amount of water withdrawn from third party sources was 6,534.74 megaliters excluding the divested business. Our plants are working in reducing water usage by eliminating leaks and losses.

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water	Relevant	851.24	Lower	For 2020, the estimated volume of water discharged in rivers was - 1,139.49 megalitres. Our operation is working on projects of water recirculation that causes both, withdrawal and discharge to reduce. Through the seasonal temperature variations, evaporation rates can change with temperatures and times of operation as well as due to stops in the production process due to multiple reasons, leading to less

				discharge. The reported figures exclude the divested business.
Brackish surface water/seawater	Relevant	107.31	Higher	For 2020 the estimated volume of water discharged by the one site Crown has which discharges into seawater was 74.7 megalitres. The site has increased its production capacity. The figures exclude the divested business.
Groundwater	Not relevant			Crown does not discharge water to groundwater sources.
Third-party destinations	Relevant	5,480.99	Lower	For 2020 the estimated volume of water discharged by Crown in third- parties was 5,856.20 megaliters excluding the divested business. Our plants are working on recirculating water within the process, decreasing withdrawal and discharge levels.

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	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant	5,760.6	Lower	21-30	In 2020 the estimated amount of water treated onsite via Wastewater Treatment System was 6,214.68 megaliters.
Secondary treatment	Not relevant				Our processes do not

					include a plant with secondary treatment onsite.
Primary treatment only	Relevant	5.66	Much lower	1-10	In 2020, 96.4 megaliters were treated by primary treatment only.
Discharge to the natural environment without treatment	Not relevant				Crown do not discharge water in the river without treatment.
Discharge to a third party without treatment	Relevant	554.12	Lower	51-60	Sewage for 2020 was 794.85 megaliters. In 2020 the estimated amount of water discharged to a third party without a treatment was 794.85 megalitres, 13% of the total volume discharged.
Other	Relevant	119.16	Lower	21-30	In 2020, the estimated amount of water

					discharged to sewage was 154.34 megalitres.
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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	11,394,000,000	9,116.3	1,249,849.17126466	Our anticipated forward trend of water withdrawal efficiency is to continue to improve the withdrawal efficiency as we continue to improve our best practices surrounding water management, and require less water, additionally, as we continue to invest in water savings projects.

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?

Crown prioritizes regulatory and customer engagement and requests and then focuses on partners in our value chain.

W2. Business impacts

W2.1

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

No

W2.2

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

No

W3. Procedures

W3.3

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

Yes, water-related risks are assessed

W3.3a

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

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Other, please specify

Crown updates a complete list of physical quantity water-related risk through the WRI Aqueduct, identifying the sites located in areas with High and Extremely-high water stress that will be subject to water savings and replenishment projects.

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

EcoVadis

SEDEX

WRI Aqueduct

Contextual issues considered

Water availability at a basin/catchment level

Water regulatory frameworks

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

Stakeholders considered

Employees

Investors

Local communities

Regulators
Other water users at the basin/catchment level

Comment

Crown takes into consideration the water availability for the community and the business as well as its efficient water usage ratio. This issue is not relevant to specific organizational levels, but rather applies to our entire organization. With that, Crown is targeting to reduce water usage and replenish the consumption levels to the watersheds located in areas with water stress. The identification of sites are done using the WRI Aqueduct tool. This first identification help to conduce the following steps that are identifying the sites and its basins and finding a partner for water replenishment projects in that area. One example is our fist project held in Brazil, replenishing water to the Tiete Basin through a nature based solution. In addition, for each new site, flood risks are assessed with help of a third party. Our risk assessment includes regulators, local communities and other water users at the basin/catchment level because our beverage sites engage with the local agencies and prior to opening the site has all the permit regarding water withdrawal and discharge, which involves not compromising local communities and other water users. Our risk assessment includes monitoring current and emerging regulation. Our risk assessment includes employees for the very reason of their employment and also in keeping with our WASH goals. Our risk assessment considers investors as a stakeholder group because we have open dialogue with some of our investors around our water goals and performance, including discussions related to water-stress.

Value chain stage

Supply chain

Coverage

Partial

Risk assessment procedure

Other, please specify

Frequency of assessment

Not defined

How far into the future are risks considered?

1 to 3 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
Other, please specify

We ask to our supply chain the 14001 certification.

Stakeholders considered

Employees
Local communities
Other water users at the basin/catchment level

Comment

Crown assesses water related risks within our supply chain to ensure there is no risk of business interruption due to supply chain availability. This issue is not relevant to specific organizational levels, but rather applies to our supply chain as a whole. Crown access our supply chain sites through WRI Aqueduct tool and identify the physical water stress of the basins these sites are located.

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.

Crown assesses water related risks within our direct operations to ensure there is availability of quality supply for our operations. On its direct operations, Crown assesses water-related risks at a local level through undertaking a desktop assessment of water availability using WRI's Water Aqueduct. This first risk assessment helps the company to prioritize the areas to be subject to our water stress specific goal (water replenishment projects) and work to minimize the impact so Crown and the stakeholders goals can be met. On top of that, the ISO 14001 certification contemplates a map of environmental aspects and impacts where water is included. The SEDEX and EcoVadis assessments also contemplate and assess our sites processes for identifying and responding to water-related risks within our direct operations. and we work to close out any gaps found in those audits. At a site level, operational management has a specific budget to help ensure compliance with these standards. It includes risks, water quantity or quality are assigned to an Engineer on site or a third party to make sure the matter is taken care of. Most recently Crown had a global screening done by a third party that includes a ranking on the production sites based on overall water stress risk and the results from the individual water indicators. It counts also with a global map with the location of the production sites, the boundary of the relevant watersheds/catchments and the results from the water risk indicators. Crown also engage with the above stakeholders to take into consideration their influence and potential collaboration with Crown's plants locally.

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?

Crown's Risk Management team assesses financial and strategic impacts on the business on at least an annual basis and water is one of the named identified assessed risks. A quantifiable financial indicator used at Crown to define substantive impact is any identified risk with a potential impact that could result in over \$1 million in operational costs. Crown defines substantive financial or strategic impact on our business as anything that substantively affects customer or consumer demand of our products. Additionally, we evaluate financial or strategic impacts as being substantive, based on our assessment of the likelihood that a risk event could impact the organization, the velocity or how quickly it will affect the organization, and the potential severity of the impact.

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		Unknown	While we utilize WRI's Water Aqueduct to identify whether there is water-stress in our facilities, we are still in-progress of determining whether there is the potential to have a substantive financial or strategic impact on our business due to such or potential other factors.

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?

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.

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	Evaluation in progress	Crown is currently in-process of continuing our evaluation of suppliers to map their water footprint and understand where its supply chain is potentially exposed to substantive financial or strategic impact.

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

Other, please specify

Decrease water consumption

Company-specific description & strategy to realize opportunity

Crown has set a goal to reduce its water use by 20% by 2025. The company's main strategy to achieve this goal include the below actions, which are already underway globally:

- Measure, monitor and report water consumption company-wide
- Identify and eliminate losses and leaks
- Install flowmeters to measure and report water consumption and enhance water conservation
- Increase wastewater systems' efficiency
- Identify and incentivize water re-use opportunities
- Identify, benchmark and replicate water use efficiency best practices

Here are examples of how our plants implement water efficiency locally:

- A full maintenance calendar is set up for the year, that includes piping, tanks and utilities area, site and equipment.
- Adjustments in the water nozzles regarding angles and pressure.

- Oil - water separator - washers have a coalescer on their washers.
- Fixing leaks in pipes and washer tanks.

One example is our Jordan plant that focused on washer improvements, replacing nozzles and installing new shutoff valves. Employees were also encouraged to activate the manufacturing line's standby mode when not in use. Other changes included installing new pumps for wastewater treatment and variable frequency drives in the facility's cooling towers to reduce energy and water usage. These multiple changes allowed for a reduction in water consumption by more than 2.5 million gallons in 2020, which is especially crucial in this water-scarce region. We aim to replicate this in the full operational region.

Estimated timeframe for realization

More than 6 years

Magnitude of potential financial impact

Low-medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

25,000

Potential financial impact figure – minimum (currency)**Potential financial impact figure – maximum (currency)****Explanation of financial impact**

The financial impact figure provided is for our Jordan plant. The cost of water in the facility is \$0.008 USD per gallon. The financial impact figures comes from the amount of water saved multiplied the price of water. The estimated figure corresponds to savings for a 1 year period of time however the company aims to keep these savings and improvements a constant. With the implementation of the Twentyby30 project the goal is to implement water savings as a culture of the company in the long haul.

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	Company water targets and goals Commitment to align with public policy initiatives, such as the SDGs Commitments beyond regulatory compliance Commitment to water-related innovation Commitment to stakeholder awareness and education Commitment to water stewardship and/or collective action Commitment to safely managed Water, Sanitation and Hygiene (WASH) in the workplace Recognition of environmental linkages, for example, due to climate change	Crown address its global company-wide water commitment at many levels, internally and externally. In our sustainability report, we acknowledge the importance of water for the company to continue to thrive as well as the impacts of climate change in the current and future world scenario. Through our public goals contained in our Twentyby30 sustainability program, we consistently disclose the company's water commitments and goals. Our sustainability goals span topics from water savings, SDG alignment, WASH in the workplace, stakeholder awareness and education, to commitments beyond regulatory compliance such as water replenishment projects in watershed located in high water stress. These goals are publicly-available online on Crown's Website, along with Crown's Environmental Sustainability Policy posted in our website at crowncork.com .  ¹

 ¹Twentyby30brochure.pdf

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
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Board-level committee	<p>Crown's Board of Directs Nominating and Corporate Governance Committee has responsibilities in its charter to: Periodically review and assess the Company's environmental, social, and governance programs, policies, and practices and make recommendations to the Board in furtherance of the sustainable growth of the Company's businesses. Sustainability is integral to the Company's business strategy. The Company's Nominating and Corporate Governance Committee has general oversight of the Company's sustainability efforts pursuant to its Committee charter and the Audit Committee oversees ESG disclosures and reporting as set forth in its charter. We manage our business with ESG woven throughout our strategy – focusing on our people, our supply chain and our use of natural resources. This focus has enabled us to reduce our overall water consumption.</p>
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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 business plans Reviewing and guiding major plans of action Reviewing and guiding strategy Reviewing and guiding corporate responsibility strategy	Crown's Board of Directs Nominating and Corporate Governance Committee has responsibilities in its charter to: Periodically review and assess the Company's environmental, social, and governance programs, policies, and practices and make recommendations to the Board in furtherance of the sustainable growth of the Company's businesses. Sustainability is integral to the Company's business strategy. The Company's Nominating and Corporate Governance Committee has general oversight of the Company's sustainability efforts pursuant to its Committee charter and the Audit Committee oversees ESG disclosures and reporting as set forth in its charter. We manage our business with ESG woven throughout our strategy – focusing on our people, our supply chain and our use of natural resources. This focus has enabled us to reduce our overall water consumption.

W6.2d

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

Board member(s) have competence	Primary reason for no board-level	Explain why your organization does not have at least one board member with competence
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	on water-related issues	competence on water-related issues	on water-related issues and any plans to address board-level competence in the future
Row 1	No, but we plan to address this within the next two years	Important but not an immediate priority	This is an important objective, especially as the importance of water continues to grow in our company, and this is something we aim to address within the next two years while we also aim to add competence to our Board for climate to align with TCFD.

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

Corporate Sustainability Committee, chaired by the Vice-President of Global Sustainability and with the Chief Operating Officer as a committee member.

Responsibility

Frequency of reporting to the board on water-related issues

Half-yearly

Please explain

W6.4

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

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	Our Board of Director selects and controls the compensation of the Chief Executive Officer and is additionally evaluated by the Nominating and Corporate Governance Committee (NCGC). In 2020, the NCGC evaluated the CEO's performance and Crown's performance while considering overall financial, operational, and strategic results. For example, the NCGC has continued to evaluate key sustainability areas that are considered essential to increase shareholder value, such as our current commitment to efficiently manage and conserve resources and bring innovative products to market.

		In 2021, additional objectives were added into the CEO's compensation structure, which includes achieving our Twentyby30 program. Within the twenty goals of the Twentyby30 program there are four goals that are water-related. Performance in meeting these four water-related objectives is a key consideration in the evaluation of our CEO's compensation.
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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	Board chair Chief Executive Officer (CEO) Chief Financial Officer (CFO) Chief Operating Officer (COO)	Reduction of water withdrawals Reduction in consumption volumes Improvements in efficiency - direct operations Implementation of employee awareness campaign or training program Supply chain engagement Increased access to workplace WASH Implementation of water-related community project	<p>Crown Holding's Chief Executive Officer (CEO) and Chairman of the Board (COB) is the individual responsible for oversight of water-related issues. The CEO/COB is primarily responsible for overseeing the Company's Nominating and Corporate Governance Committee, which is tasked with collecting and managing information to better inform Crown's sustainability strategy, as well as regularly updating the Board of Directors on relevant activities and recommendations. The CEO/COB is also responsible for the final review of Crown's annual CDP responses and Sustainability Report, which provides insight into how the company is managing water-related risks and opportunities as well as other components of Crown's sustainability program. While Crown managers and employees that are more directly involved with day-to-day operations drive progress at a more granular level, we understand that it is critical to have executive leadership support of our sustainability program.</p> <p>As an example of a water-related decision made in 2021, our CEO and then-President approved our first water-replenishment project related to our Water replenishment goal in areas with water stress. In addition, the Chief Operating Office (COO) and Chief Financial Officer (CFO) approves the annual budget for sustainability and capital expenditures (CAPEX) for water savings/efficiency projects.</p>

Non-monetary reward	Other, please specify	Improvements in efficiency - direct operations Other, please specify	Through our Chairman's Sustainability Award program, Crown rewards our operational facilities for making efficiency improvements in their facilities. In the past, applicants to this award program have submitted for awards based on water savings.
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W6.5

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

Yes, trade associations

W6.5a

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


Crown, a member of the industry association, Can Manufacturers Institute (CMI), has indirectly supported public education on the topic of chemicals in food products. CMI has worked to directly influence lawmakers regarding public policy touching issues of water quality. For example, in 2021 in the United States, CMI provided direct feedback to the State of Washington Department of Ecology regarding public policy that the State of Washington is considering enacting which evaluates products that are significant sources of exposure to people and the environment.

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_CROWN_ANNUAL_REPORT.pdf

 The information can be found on page 40 out of 132.

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
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Long-term business objectives	Yes, water-related issues are integrated	5-10	Crown's water risks are considered during long term business planning because we need to have an understanding of water-related risk such as flooding or water availability for the business when planning long-term business objectives as water is a raw material used in our production processes. Our strategy has been influenced by the water issue of potential water scarcity and so we integrate this risk into our long term business objectives. Water risks such as flooding, cost of water and availability of water are assessed when determining placement of new facilities and type of equipment to be placed within those locations.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	Crown recently launched the Twentyby30 sustainability program which boasts 20 sustainability goals for the Company to achieve by the year 2030. Of 20 goals, water related issues make up four of them. One example is the 100% replenishment of the water consumed in our operations back to high scarcity risk watersheds. Crown is currently engaging with partners and through others including nature-based solutions for water replenishment, have the ambition to have this goal achieved by 2030.
Financial planning	Yes, water-related issues are integrated	5-10	Water related issues are integrated into financial planning. Water costs and water scarcity/availability are assessed when determining placement of new facilities and type of equipment to be placed within those locations. Potential water savings projects are evaluated each year and the CAPEX financial planning process. Each year a number of water related projects are funded. In addition Crown does rely on raw materials to run the business and one of them is water.

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)

-60

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

660

Water-related OPEX (+/- % change)

14

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

-12

Please explain

The trend from the prior reporting year to the current reporting year’s sustainability CAPEX is -60% for the amount spent on water-related CAPEX. The anticipated forward trend for sustainability CAPEX is +660% for the amount spent on water-related CAPEX. The CAPEX figures presented are inclusive of our global operations.

The OPEX expenditure includes water supply costs, and does not include: permit renewals, wetland protection, water quality testing and associated treatment, consulting services, maintenance or disposal. These OPEX figures represent trends from one of our operational divisions. We intend to capture these OPEX costs company-wide for our next disclosure. Regarding the trend, we anticipate there being some change to this, as-discussed, these figures represent one of our divisions and there is company-growth to be accounted for.

W7.3

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

	Use of scenario analysis	Comment
Row 1	Yes	Crown completed its first disclosures to the Task Force on Climate-Related Disclosures (TCFD) in the reporting year. We are exploring options to expand our water analysis so that we may develop resilient and adaptive strategies for a low-carbon business model. We currently utilize WRI Aqueduct modelling tool and are evaluating other options to get a more robust quantitative scenario analysis. We also quantified the carbon impact of our water usage this year for the first time. We will also be using scenario analysis to identify whereby new technologies can offer increased resilience to our business model.

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	In-line with Crown's Twentyby30 program,	We assumed the following: <ul style="list-style-type: none"> • Carbon prices will be in place by 	The result of the water-related and

	<p>Climate-related</p>	<p>our current scenario analysis focuses on a 9-year time horizon, in line with our target year for our current Corporate sustainability targets. As an initial analysis, it is primarily qualitative with some quantitative considerations, and the scope includes the entire organization. Both qualitative and quantitative scenario analysis is used. Current scenario analysis is based on the RCP2.6 RCP8.5 concentration pathway modelling as our selected modelling.</p>	<p>2030, operating within tax and/or emissions trading frameworks and apply to the manufacturing industry, and vary based on global location</p> <ul style="list-style-type: none"> • Energy demand continues to rise and improvements are made for both supply and end-use; there will still be a mix of coal/oil/gas/nuclear/renewables but the ratio of green to brown energy should favor green energy • Commodity pricing reflect standard inflation; higher pricing of our own products due to market demand trends and less availability of current raw materials such as water • Macro-economic and demographic variables remain flat and geographical tailoring remain at 2021 rate • Level of policy movement remains similar to now, with some additional climate-related policies • Sea level and Temperature changes based on available RCP2.6 RCP8.5 concentration pathway modelling 	<p>climate-related scenario analysis was a general recognition of potential impact that climate change may have on all aspects of the business including water risks and confirmed the critical need to make investments to reach the 1.5°C target. The results can be used to support what the Risk Management team is already doing in terms of assessing new developments in any region or business unit. Considering the potential damage to our facilities from extreme weather effects showed that if sea levels and temperatures rise enough, some facilities could significantly be affected. We focused on physical risks in our current, initial scenario analysis, but are currently actively assessing how transitional risks and our developments to mitigate the risks may impact the future of the Company.</p>
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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**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	Please explain
Row 1	No, but we plan to address this within the next two years	Crown has been focusing on other parts of its water management strategy and while this is an important exercise, it is not an immediate business priority. This is something we plan to address within the next two years.

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 Site/facility specific targets and/or goals Basin specific targets and/or goals	Targets are monitored at the corporate level Goals are monitored at the corporate level	Through our Twentyby30 sustainability program, we have company-wide targets and goals which are cascaded down through the regional and site/facility specific level. Goals and targets are monitored at a corporate and regional level through the use of roadmaps. The four water-related goals within the Twentyby30 program include the following: <ul style="list-style-type: none"> - Reduce water usage in our operations by 20% by 2025. - Maintain a 100% track record of meeting local wastewater standards. - Ensure all employees have continued access to safe water, sanitation and hygiene. Specific to our Twentyby30 goal of water replenishment, we have a specific goal to replenish water withdrawn from water-stressed basins and that goal is as follows:

			-Replenish 100% of the water consumed in our operations back to high scarcity risk watersheds.
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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 withdrawals

Level

Company-wide

Primary motivation

Reduced environmental impact

Description of target

Crown is committed to reduce its water usage with a 2019 baseline in 20% by 2025. This goal is important to Crown because we acknowledge there is a potential lack of future of water supply and we are doing our part to maintain our operations while using less water.

Quantitative metric

% reduction in total water withdrawals

Baseline year

2019

Start year

2020

Target year

2025

% of target achieved

3.3

Please explain

Crown has experienced significant growth and has built and is in the process of building new production sites. Even so, last year, we reduced our overall water consumption by 3.3% using the 2019 baseline.

Target reference number

Target 2

Category of target

Water pollution reduction

Level

Company-wide

Primary motivation

Reduced environmental impact

Description of target

Maintain a 100% track record of meeting local wastewater standards, measured annually. This goal is important to Crown not only to maintain our operating permits which are often dependent on our meeting strict wastewater quality standards, but also is important to us in terms of maintaining the water cycle in the communities in which we operate.

Quantitative metric

Other, please specify

Meet the local wastewater standard and make sure they are recorded.

Baseline year

2019

Start year

2020

Target year

2025

% of target achieved

100

Please explain

Last year Crown had no penalties due to non-compliance with water quality discharge. Crown monitors this compliance on a site, regional and corporate level to ensure compliance.

Target reference number

Target 3

Category of target

Water, Sanitation and Hygiene (WASH) services in the workplace

Level

Company-wide

Primary motivation

Corporate social responsibility

Description of target

Ensure all employees have continued access to safe water, sanitation and hygiene. This goal is important to Crown because we value our employees and understand the importance of the health of our employees is a key contributor to our company success.

Quantitative metric

Proportion of employees using safely managed sanitation services, including a hand-washing facility with soap and water

Baseline year

2019

Start year

2020

Target year

2025

% of target achieved

100

Please explain

Crown is committed to ensuring all employees have continued access to safe water, sanitation and hygiene to ensure continued access to WASH for all employees. Crown surveys its facilities on a global scale every year to ensure compliance.

W8.1b

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

Goal

Watershed remediation and habitat restoration, ecosystem preservation

Level

Company-wide

Motivation

Increase freshwater availability for users/natural environment within the basin

Description of goal

By 2030 have 100% of the water consumed replenished back to high scarcity risk watersheds. This goal is important to Crown because we recognise the potential risk of water availability and want to do our part to balance our water usage in order to ensure adequate supply for years to come. This is important not only to the business but also to the local community and ecosystem in the catchment-basin.

Baseline year

2019

Start year

2020

End year

2030

Progress

In 2021 Crown signed a partnership with The Nature Conservancy for a water replenishment Project in Brazil. The Sao Paulo Water fund project consists on the preservation of 100 hectares of forest. The forest preservation raises the rate of water infiltration and promotes the replenishment of the watershed . The activities are developed in order to contribute to replenish the Tiete basin. We have already begun to source proposals for water replenishment projects to cover our operations in other parts of the globe.

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

 Crown Holdings Inc - CY2021 CDP Verification Statement Final V01 issued 20220721.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	Water discharge by destination	Other, please specify Data is verified by a Third Part Auditor.	Water discharge quality is monitored by the ISO 14001 auditing and also ISO 9001. Local requirements also demand tests via external labs.
W1 Current state	Water discharge by quality	Other, please specify Data is verified by a Third part Auditor.	Water discharge quality is monitored by the ISO 14001 auditing and also ISO 9001. Local requirements also demand tests via external labs.
W1 Current state	Water withdrawal by source: GROUNDWATER MUNICIPAL SURFACE RAIN	Other, please specify	ISO 14065:2013 "Requirements for Greenhouse Gas Validation and Verification Bodies for use in Accreditation or Other Forms of Recognition"

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	Chief Executive Officer	Chief Executive Officer (CEO)

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

SW. Supply chain module

SW0.1

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

	Annual revenue
Row 1	11,394,000,000

SW1.1

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

SW1.2

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

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	Yes, for all facilities	We do keep control of our facilities address as well as their geolocation. These geolocations are based on Latitude and Longitude obtained in the WRI Aqueduct Water Risk Atlas.

SW1.2a

(SW1.2a) Please provide all available geolocation data for your facilities.

Identifier	Latitude	Longitude	Comment
Agoncillo, SPAIN	42.43408	-2.27774	42° 26' 2.688" N 2° 16' 39.864" W
Alsip, USA	41.68309	-87.761918	41° 40' 9.9012" N 87° 45' 50.5236" W
Alsip Technical Center, USA	41.68111	-87.7588	41° 40' 51.996" N 87° 45' 31.68" W
Bangi, MALAYSIA	2.935822	101.75738	2° 55' 38.388" N 101° 46' 5.304" E
Barbados, BARBADOS	13.125633	-59.45605	13° 7' 32.2818" N 59° 27' 21.7974" W
Bowling Green, USA	37.038476	-86.308733	37° 2' 18.5136" N 86° 18' 31.4388" W
Bowling Green Technical Center, USA	37.009259	-86.388886	37° 0' 33.3324" N

			86° 23' 19.989" W
Batesville, USA	34.344717	-89.921965	34° 20' 40.9812" N 89° 55' 19.074" W
Botcherby , UK	54.88844	-2.90527	54° 53' 18.384" N 2° 54' 18.972" W
Belcamp, USA	39.477228	-76.232613	39° 28' 38.0244" N 76° 13' 57.4068" W
Bogota, COLOMBIA	4.965246	-73.961133	4° 57' 54.8886" S 73° 57' 40.0788" W
Bangpoo, THAILAND	13.56906	100.6453	13° 34' 8.616" N 100° 38' 43.08" E
Braunstone, UK	52.630962	-1.19704	52° 37' 49.98" N 1° 11' 49.2" W
Cabreuva, BRAZIL	- 23.250352	-47.076388	23° 15' 1.2666" N 47° 4' 34.9968" W
Calgary, CANADA	50.987153	- 113.970542	50° 59' 13.7502" N 113° 58' 13.9506" W
Cambodia, CAMBODIA	11.529351	104.848509	11° 31' 24.816" N 104° 50'

			13.6608" E
Cheraw, USA	34.684445	-79.891149	34° 41' 4.0014" N 79° 53' 28.1358" W
Connellsville, USA	39.995349	-79.590367	39° 59' 43.26" N 79° 35' 25.3242" W
Conroe, USA	30.34404	-95.472047	30° 20' 38.5434" N 96° 28' 19.3692" E
Crawfordsville, USA	40.097048	-86.942298	40° 5' 49.3728" N 86° 56' 32.2722" W
Crown Closures Machinery, USA	39.725924	82.627578	39° 43' 33.3258" N 82° 37' 39.2838" W
Custines, FRANCE	48.78487	6.13801	48° 47' 5.532" N 6° 8' 16.836" E
Da Nang, VIETNAM	10.78362	106.950699	10° 47' 1.032" N 106° 57' 2.5164" E
Dammam, SAUDI ARABIA	26.43928	50.09446	26° 26' 21.408" N 50° 5' 40.056" E
Dayton, USA	39.684709	-84.222445	39° 41' 4.9518" N 84° 13' 20.8014" W

Decatur, USA	39.934831	-89.076085	39° 56' 1.2552" N 89° 4' 33.8268" W
Dong Nai, VIETNAM	10.78362	106.950699	10° 47' 1.032" N 106° 57' 2.5164" E
Dubai, UNITED ARAB EMIRATES	25.045655	55.13293	25° 2' 44.358" N 55° 7' 58.548" E
Ensenada, MEXICO	31.874713	- 116.609248	31° 52' 28.9662" N 116° 36' 33.2922" W
Estancia, BRAZIL	- 11.123037	-37.382084	11° 7' 22.9332" S 37° 22' 55.5018" W
Monterrey Cans , MEXICO	25.736811	- 100.316577	25° 44' 12.5232" N 100° 18' 59.6766" W
Faribault, USA	44.290949	-93.29342	44° 17' 27.42" N 93° 17' 36.3114" W
Goleniow, POLAND	53.56837	14.83553	53° 34' 6.132" N 14° 50' 7.908" E
Guadalajara, MEXICO	20.591226	- 103.279897	20° 36' 0.9468" N 103° 16'

			39.6582" W
H-V Industries, USA	40.135978	-74.978947	40° 8' 9.5238" N 74° 58' 44.2128" W
Had Yai Foodcan, THAILAND	7.002805	100.489293	7° 0' 10.101" N 100° 29' 21.4584"
Hadyai Food Packaging, THAILAND	6.95806	100.55634	6° 57' 29.016" N 100° 33' 22.824" E
Hangzhou, CHINA	30.325958	120.361757	30° 19' 33.4482" N 120° 21' 42.3246" E
Hanoi, VIETNAM	20.866976	105.866042	20° 52' 1.1136" N 105° 51' 57.7548" E
Hanover, USA	39.832253	-76.974927	39° 49' 56.1108" N 76° 58' 29.7366" W
Heshan, CHINA	22.63483	120.84915	22° 38' 5.391" N 120° 50' 56.9394" E
Indonesia, INDONESIA	-6.2969	107.29376	6° 17' 48.84" S 107° 17' 37.536" E
Izmit, TURKEY	40.718539	30.05741	40° 43' 6.7398" N

			30° 3' 26.679" E
Jamaica, JAMAICA	18.001899	-76.829841	18° 0' 6.8364" N 76° 49' 47.4276" W
Jeddah, SAUDI ARABIA	21.39997	39.23897	21° 23' 59.892" N 39° 14' 20.292" E
Jordan, JORDAN	31.964094	35.902975	31° 57' 50.7384" N 35° 54' 10.71" E
Kankakee, USA	41.148898	-87.849297	41° 8' 56.0364" N 87° 50' 57.4692" W
Kechnec, SLOVAKIA	48.54938	21.26445	48° 32' 57.768" N 21° 15' 52.02" E
Khmer Beverage Cans Limited, CAMBODIA	11.528815	104.848745	11° 31' 43.7376" N 104° 50' 55.4814" E
Korinthos, GREECE	37.94007	22.9513	37° 56' 24.2514" N 22° 57' 4.68" E
La Villa (Mexico City), MEXICO	19.466836	-99.1137	19° 28' 0.6132" N 99° 6' 49.3236" W
Lacrosse, USA	43.837904	-91.235043	43° 50' 16.4544" N 91° 14' 6.1548"

			W
Carnaud Metalbox, UK	53.841175	-1.760323	53° 50' 28.2294" N 1° 45' 37.1628"
Manaus Ends, BRAZIL	-3.119055	-59.968754	3° 7' 8.5974" S 59° 58' 7.5138 " W
Mankato, USA	44.183156	-93.990823	44° 10' 59.361" N 93° 59' 26.9628" W
Massillon, USA	40.789787	-81.504605	40° 47' 23.2368" N 81° 30' 16.5774" W
Midwest Decorating, USA	41.76459	-88.227404	41° 45' 52.5276" N 88° 13' 38.6544" W
Mill Park, USA	39.729156	-82.668428	39° 43' 44.9616" N 82° 40' 6.3408 W
Monterrey End, MEXICO	25.696284	-100.154763	25° 41' 46.6254" N 100° 9' 17.1504" W
Myanmar, MYANMAR	16.947772	96.199005	16° 56' 51.9828" N 96° 11' 56.4174" E
Nakhon Pathom, THAILAND	13.647167	100.573187	13° 38' 49.8048" N 100° 34' 23.4732" E

Nichols, USA	42.05623	-76.32051	42° 3' 22.428" N 76° 19' 13.836" W
SIVESA Nogales, MEXICO	18.819448	-97.160121	18° 49' 10.0158" N 97° 9' 36.4356" W
Nong Khae, THAILAND	14.386347	100.903645	14° 23' 10.8492" N 100° 54' 13.1214" E
Olympia, USA	47.03781	-122.84695	47° 2' 16.116" N 122° 50' 49.02" W
Oshkosh, USA	44.062106	-88.538113	44° 3' 43.5816" N 88° 32' 17.2068" W
Osmaniye, TURKEY	37.007726	36.092412	37° 0' 27.8172" N 36° 5' 32.6832" E
Owatonna, USA	44.08239	-93.262306	44° 4' 56.604" N 93° 15' 44.3016" W
Parma Beverage, ITALY	44.847979	10.364136	44° 50' 38.1948" N 10° 22' 3.234" E
Patras, GREECE	38.12954	21.63664	38° 7' 46.344" N

			21° 38' 11.904" E
Ponta Grossa, BRAZIL	- 25.189399	-50.095353	25° 11' 21.8364" S 50° 6' 25.92" W
Saigon, VIETNAM	10.842684	106.771445	10° 50' 45.9846" N 106° 46' 40.8684" E
Samrong, THAILAND	13.647167	100.573187	13° 38' 49.8048" N 100° 34' 23.4732" E
Seattle WH, USA	47.4401	-122.25733	47° 26' 24.36" N 122° 15' 26.388" W
Sevilla, SPAIN	37.283931	-5.991686	37° 17' 2.1552" N 5° 59' 30.0726" W
Sihanoukville, CAMBODIA	10.625051	103.554871	10° 37' 14.9232" N 103° 30' 21.9564" E
SISA, MEXICO	17.893643	-95.037231	17° 53' 37.1178" N 95° 2' 14.0316" W
SIVESA - Orizaba, MEXICO	18.841006	-97.110995	18° 50' 27.6252" N 97° 6' 39.5856" W
SMP Huiyang, CHINA	23.152736	114.523954	23° 9' 9.8496" N 114° 31'

			26.2344" E
SMP Shanghai, CHINA	31.21119	121.56355	31° 12' 40.284" N 121° 33' 48.78" E
SMP Singapore Benoi, SINGAPORE	1.320488	103.68188	1° 19' 13.764" N 103° 40' 56.3772" E
SMP Tianjin, CHINA	39.343357	117.361649	39° 20' 36.0852" N 117° 21' 41.9364" E
SMP Vietnam, VIETNAM	11.39987	106.73005	11° 23' 59.532" N 106° 43' 48.18" E
SMP Zhejiang, CHINA	30.5804	120.61392	30° 34' 49.44" N 120° 36' 50.112" E
SMP Shanghai	31.21119	121.56355	31° 12' 40.284" N 121° 33' 48.78" E
Spartanburg, USA	34.973717	-81.933138	34° 58' 25.3812" N 81° 55' 59.2968" W
Suffolk, USA	36.7689	-76.54041	36° 46' 8.04" N 76° 32' 25.476" W
Sugarland (Fort Bend), USA	29.638364	-95.612032	29° 38' 18.1098" N

			95° 36' 43.3146" W
Teresina, BRAZIL	-4.904788	-42.865636	4° 54' 17.2404" S 42° 51' 56.2926" W
Toledo, USA	41.71221	-83.5208	41° 42' 43.956" N 83° 31' 14.88" W
Toluca, MEXICO	19.292341	-99.599106	19° 17' 32.4312" N 99° 35' 56.7852" W
Trinidad Litho, TRINIDAD AND TOBAGO	10.648529	-61.472525	10° 38' 54.7074" N 61° 28' 21.0894" W
Tuas, SINGAPORE	1.333643	103.650924	1° 20' 1.1142" N 103° 39' 3.3264" E
Tunisia, TUNISIA	36.784778	10.073384	36° 47' 5.2008" N 10° 4' 24.1824" E
Valencia, SPAIN	39.640876	-0.261273	39° 39' 22.4208" N 0° 13' 27.84" W
VICHISA, MEXICO	28.272654	- 105.485898	28° 16' 21.558" N 105° 29' 9.2328" W
Weirton , USA	40.38747	-80.621292	40° 23' 14.892" N

			80° 37' 16.644" W
Weston, CANADA	43.75819	-79.536633	43° 46' 8.1948" N 79° 32' 44.3472" W
Winchester, USA	39.2114	-78.1482	39° 12' 41.04" N 78° 8' 53.52" W
Wantage	51.59959	-1.442679	51° 35' 58.527" N 1° 26' 33.6474" W
Wissota Tools, USA	44.896838	-91.41335	44° 53' 48.12" N 91° 24' 47.592" W
Worland, USA	44.02439	- 107.962922	44° 1' 27.804" N 107° 57' 46.512" W
Ziyang, CHINA	30.130343	104.608926	30° 7' 44.043" N 104° 37' 39.489" E
Angleboard, USA - Baypoint	38.03531	- 121.958477	38° 2' 7.188" N 121° 57' 32.832" W
Angleboard, USA - Darlington 1	34.29527	-79.92823	34° 17' 42.972" N 79° 55' 41.628" W
Angleboard, USA - Darlington 2	34.296772	-79.928583	34° 17' 49.38" N 79° 55' 45.516"

			W
Angleboard - Elizabethtown, USA	40.15747	-76.652873	40° 9' 26.892" N 76° 39' 15.012" W
Angleboard - Elkhart, USA	41.702142	-86.0053	41° 42' 7.668" N 86° 0' 19.08" W
Angleboard - Loveland, USA	39.222468	-84.288403	39° 13' 20.532" N 84° 17' 16.98" W
Angleboard - Monroe, USA	32.505205	-92.053806	32° 30' 19.512" N 92° 3' 17.712" W
Angleboard - Newark, USA	40.71865	-74.21952	40° 43' 7.14" N 74° 13' 10.272" W
Angleboard - Phoenix, USA	33.44255	- 112.197494	33° 26' 33.1836" N 112° 11' 50.9784" W
Angleboard - Salisbury, USA	35.680124	-80.500167	35° 40' 48.684" N 80° 30' 0.684" W
Angleboard Paper, Kankakee, USA	41.086625	-87.86979	41° 6' 43.236" N 87° 52' 1.056" W
Angleboard Plastics, Kankakee, USA	41.086625	-87.86979	41° 6' 43.236" N 87° 52' 1.056"

			W
BATES, Noerresundby, DENMARK	57.05942	9.94309	57° 3' 33.912" N 9° 56' 35.124" E
Brighton, MI (Main Building), USA	42.49988	-83.696283	42° 29' 58.668" N 83° 41' 46.536" W
CAREAS Caretex, Chonburi, THAILAND	13.09111	100.883011	13° 5' 27.996" N 100° 52' 58.8396" E
Celcor, Cambridge, CANADA	43.434356	-80.31319	43° 26' 4.344" N 80° 18' 46.476" W
Cincinnati, OH (Building A), USA	39.308397	-84.471938	39° 18' 30.24" N 84° 28' 18.984" W
Cleveland, Brooklyn Heights, USA	41.42702	-81.67812	41° 25' 37.272" N 81° 40' 41.232" W
CROPPOS, Gorey, IRELAND	51.74574	-8.79961	51° 44' 44.664" N 8° 47' 58.596" W
PET Plant, Derrimut, Australia	-37.80881	144.78081	37° 48' 31.716" S 144° 46' 50.919" E
DHPTHA Signode Thailand, THAILAND	12.97862	101.109261	12° 58' 43.0314" N 101° 6' 33.3396" E
DINCN Dinslaken, GERMANY	51.55865	6.74592	51° 33' 31.14" N

			6° 44' 45.312" E
Down River - Benton (Airlane Dr), Benton, USA	34.56114	-92.60509	34° 33' 40.104" N 92° 36' 18.324" W
Down River - Chicago, Dixmoor, USA	41.633332	-87.674768	41° 38' 1.608" N 87° 40' 39.36" W
Down River - Hazleton, USA	40.96559	-76.02006	40° 57' 56.124" N 76° 1' 12.216" W
Down River - Macon, USA	32.80326	-83.55465	32° 48' 11.736" N 83° 33' 16.74" W
Down River - Stockton, USA	38.0045	-121.21264	38° 0' 16.2" N 121° 12' 45.504" W
Down River - Woodland, USA	45.91249	-122.755	45° 54' 44.964" N 122° 45' 18" W
Fleetwood Signode East, Imperial, USA	40.44326	-80.30045	40° 26' 35.736" N 80° 18' 1.62" W
Galewrap, Douglasville, USA	33.76829	-84.71735	33° 46' 16.356" N 84° 43' 3.576" W
GLBPLS Kosice, SLOVAKIA	48.880436	21.247601	48° 43' 1.596" N 21° 15' 35.208" E

Glenview, IL, USA	42.087616	-87.845913	42° 5' 13.128" N 87° 52' 13.404" W
GUNSW Sandared, SWEDEN	57.70868	12.79366	57° 42' 31.248" N 12° 47' 37.176" E
GUNSW Ystad, SWEDEN	55.448528	13.84924	55° 26' 51.756" N 13° 51' 0.36" E
GUNTR Fontaine les Luxeuil, France	47.86006	6.35175	47° 51' 36.216" N 6° 21' 6.3" E
GUNUK Dudley, Kingswinford, UK	52.508717	-2.162336	52° 30' 31.3806" N 2° 9' 44.409" W
HALFN Masku, FINLAND	60.5496	22.12852	60° 32' 58.56" N 22° 7' 42.672" E
HBLITZ Kardjali 1, BULGARIA	41.639112	25.38857	41° 38' 20.8068" N 25° 23' 18.852" E
HLDAB Burseryd, SWEDEN	57.20144	13.28466	57° 12' 5.1840" N 13° 17' 4.7760" E
INDMHT Manual Hand Tool Operations, Bangalore, INDIA	12.85283	77.44198	12° 51' 10.1880" N 77° 26' 31.1280" E
Insulated Transport Products, La Grange, USA	33.01798	-84.99756	33° 1' 4.7280" N

			84° 59' 51.2160" W
INTSTP Heerlen, NETHERLANDS	50.84606	5.99831	50° 50' 45.8160" N 5° 59' 53.9160" E
ITWQIN Signode China, Qingdao City,	36.09193	120.32806	36° 5' 30.948" N 120° 19' 41.016" E
JKSWED Hjo, SWEDEN	58.311875	14.286144	58° 18' 43.2000" N 14° 17' 12.9120" E
Kurri Kurri Steel Plant, AUSTRALIA	- 32.806918	151.471365	32° 48' 24.9048" S 151° 28' 16.917" E
LCMRDN Soenderborg, DENMARK	54.9188	9.82079	54° 55' 7.6800" N 9° 49' 14.8440" E
LITEC Tournus, FRANCE	46.551741	4.910495	46° 33' 6.2706" N 4° 54' 37.7856" E
Lock N Pop, Carrollton, USA	33.60689	-85.10081	33° 36' 24.8040" N 85° 6' 2.9160" W
Loveshaw, South Canaan, USA	41.508062	-75.412213	41° 30' 29.5560" N 75° 24' 43.7040" W
LUXKOR Izmir 1, Izmir, Turkey	38.48854	27.09977	38° 29' 18.7440" N 27° 5' 59.1720" E
LVSHUK Andover, Andover, UK	51.21635	-1.517989	51° 12' 58.8594" N 1° 31' 4.7604" W

MEZGER Nurnberg, Nurnberg, GERMANY	49.41601	11.16251	49° 24' 57.6360" N 11° 9' 45.0360" E
MIMAFB Virton, Virton, BELGIUM	49.550369	5.577132	49° 33' 1.3284" N 5° 34' 37.6782" E
MMAIR Kilkenny, Kilkenny, IRELAND	52.65374	-7.24796	52° 39' 13.4640" N 7° 14' 52.6560" W
MODELO Flejes Modelo, Toluca, MEXICO	19.289483	-99.566624	19° 17' 22.1388" N 99° 33' 59.8464" W
MODELO Signode Mexico, Cienega de Flores, MEXICO	25.955081	- 100.165518	25° 57' 18.2952" N 100° 9' 55.8648" W
Multiwall - Danville, Danville, USA	36.66527	-79.37088	36° 39' 54.9720" N 79° 22' 15.1680" W
Multiwall - East Providence (22 Patton Rd), East Providence, USA	41.85434	-71.347054	41° 51' 15.6240" N 71° 20' 49.3944" W
Multiwall - East Providence (Taylor Dr), East Providence, USA	41.85604	-71.34954	41° 51' 21.7440" N 71° 20' 58.3440" W
Multiwall - Greer, USA	34.91585	-82.24134	34° 54' 57.0600" N 82° 14' 28.8240" W
Multiwall - Martinsville (Beaver Creek), Martinsville, USA	36.723657	-79.881727	36° 43' 25.1688" N 79° 52' 54.996" W
Multiwall - Martinsville (Stultz Rd), Martinsville, USA	36.70255	-79.87753	36° 42' 9.1800" N

			79° 52' 39.1080" W
Multiwall (National Packaging) - East Providence (Pawtucket Ave), East Providence, USA	41.85491	-71.3627	41° 51' 17.6760" N 71° 21' 45.7200" W
NORDIC Manneville sur Risle, Manneville sur Risle, FRANCE	49.35107	0.55597	49° 21' 3.8520" N 0° 33' 21.4920" E
Orange, TX, USA	30.20326	-93.86854	30° 12' 11.7360" N 93° 52' 6.7440" W
ORGAPK Dietikon 1, Dietikon, SWITZERLAND	47.41782	8.39503	47° 25' 4.1520" N 8° 23' 42.1080" E
ORGAPK Dietikon 2, Dietikon, SWITZERLAND	47.4179	8.39835	47° 25' 4.4400" N 8° 23' 54.0600" E
ORGAPK, Merenschwand, SWITZERLAND	47.26074	8.38755	47° 15' 38.6640" N 8° 23' 15.1800" E
PKGBP Hilden 1, Hilde, GERMANY	51.17579	6.91067	51° 10' 32.8440" N 6° 54' 38.4120" E
Plastic Packaging Systems - Colorado, Denver, USA	39.787444	-104.939432	39° 47' 14.7984" N 104° 56' 21.9582" W
Plastic Packaging Systems - NC (Blue Ridge), Eden, USA	36.51454	-79.71798	36° 30' 52.3440" N 79° 43' 4.7280" W
PRIME Prime Bulk Packaging, Bangalore, INDIA	12.9845	77.59956	12° 59' 4.2000" N 77° 35' 58.4160" E

SAMJUN Signode Korea, Pohang, SOUTH KOREA	35.999931	129.36587	35° 59' 59.7552" N 129° 21' 57.135" E
San Antonio, TX, USA	29.55185	-98.36615	29° 33' 6.6600" N 98° 21' 58.1400" W
SCYBL Castelsarrasin, FRANCE	44.044036	1.112251	44° 2' 38.5332" N 1° 6' 44.1036" E
Shippers Fordyce, Fordyce, ARIZONA	33.806786	-92.423187	33° 48' 26.1720" N 92° 25' 25.2120" W
Shippers Sheridan, Sheridan, USA	34.301599	-92.392819	34° 18' 3.3840" N 92° 23' 25.6920" W
SIGBR5 Signode Brasileira Ltda, Cabreuva, BRAZIL	-23.24315	-47.049835	23° 14' 35.3436" S 47° 2' 59.406" W
SIGCOL Signode Colombia, Malambo, COLOMBIA	10.88516	-74.76461	10° 53' 6.5760" N 74° 45' 52.5960" W
SIGKEN Signode Kenya, Nairobi, AFRICA	-1.371674	36.918289	1° 22' 18.8178" S 36° 54' 5.4048" E
Signode - Bridgeview, Bridgeview, USA	41.76118	-87.81237	41° 45' 40.2480" N 87° 48' 44.5320" W
Signode - Florence, Florence, USA	38.97935	-84.60797	38° 58' 45.6600" N 84° 36' 28.6920" W
Signode - Latta, Latta, USA	34.32309	-79.43969	34° 19' 23.1240" N

			79° 26' 22.8840" W
Signode Canada, Markham, CANADA	43.83679	-79.3237	43° 50' 12.4440" N 79° 19' 25.3200" W
Signode Packaging Espana, S.L.U., Barcelona, SPAIN	41.34577	2.08631	41° 20' 44.7720" N 2° 5' 10.7160" E
SINDIA Dahej, Dahej, INDIA	9.91401	78.13037	9° 54' 50.4360" N 78° 7' 49.3320" E
SINDIA Rudrapur, Pantnagar, INDIA	12.82232	77.69432	12° 49' 20.3520" N 77° 41' 39.5520" E
SINDIA Wintek-BLR, Bangalore, INDIA	12.898773	77.576409	12° 53' 55.5828" N 77° 34' 35.1718" E
SMB Goldkronach, Goldkronach, GERMANY	50.01341	11.67148	50° 0' 48.2760" N 11° 40' 17.3280" E
SMP Weischlitz, Weischlitz , GERMANY	50.44857	12.05349	50° 26' 54.8520" N 12° 3' 12.5640" E
STPIND Stopak, Bangalore, INDIA	12.815921	77.679381	12° 57' 28.728" N 77° 24' 4.3452" E
VACNET Neunen, Neunen, NETHERLANDS	51.446123	5.559111	51° 26' 46.0428" N 5° 33' 32.8026" E
VACNET Zwijndrecht, Zwijndrecht, NETHERLANDS	51.815457	4.634337	51° 48' 55.6482" N 4° 38' 3.6132" E

Multiwall - Gary, Gary, USA	41.6114	-87.36403	41° 36' 41.0400" N 87° 21' 50.5080" W
PKGFN Liljendal, Liljendal, FINLAND	60.57317	26.06114	60° 34' 23.4120" N 26° 3' 40.1040" E
SINDIA Rudraram, Telangana, INDIA	17.555809	78.183225	17° 33' 20.916" N 78° 10' 59.6094" E
SINDIA Silvassa, Dadra and Nagar Haveli, INDIA	20.180867	73.016913	20° 10' 51.1206" N 73° 1' 0.8898" E
STMEXI Syn-Tex Bag, Amatlan de los Reyes, MEXICO	18.842674	-96.91823	18° 52' 21.5652" N 96° 51' 29.736" W
VACNET Best, Best, NETHERLANDS	51.50133	5.413989	51° 30' 4.7916" N 5° 24' 5.413989" E
Lacrosse, USA, WH -Urbancrest	39.903147	-83.088296	39° 54' 11.3286" N 83° 5' 17.8686" W
Lancaster, USA, WH - Urbancrest	39.904763	-83.09073	39° 54' 17.1468" N 83° 5' 26.6274" W
Belcamp, USA, WH	39.468133	-76.232884	39° 28' 5.2788" N 76° 13' 58.3854" W
Cheraw, USA, WH	34.696733	-79.903352	34° 41' 48.2418" N 79° 54' 12.0702" W

Lawrence, USA, WH - Closed	42.73064	-71.211905	42° 43' 50.307" N 71° 12' 42.861" W
Singapore SF, SINGAPORE, Harbour Front	1.264515	103.819271	1° 15' 52.257" N 103° 49' 9.3756"
Dubuque, USA	42.488575	-90.773189	42° 29' 18.8736" N 90° 46' 23.4804" W
Bowling Green, USA, Technical Center	37.009259	-86.388886	37° 0' 33.3324" N 86° 23' 19.989" W
Rio Verde, BRAZIL	- 17.733137	-50.868368	17° 43' 59.2968" S 50° 52' 6.1284" W
TCP, THAILAND	14.389514	100.921948	14° 23' 22.2504" N 100° 55' 19.0158" E
Pittsburgh, USA, WH	38.026117	-121.88939	38° 1' 34.0206 N 121° 53' 21.8076" W
Vung Tao, VIETNAM	10.647699	107.063619	10° 38' 51.7200" N 1° 26' 33.6474" W

SW2.1

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

SW2.2

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

No

SW3.1

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

Product name

12 oz Aluminium Beverage Can

Water intensity value

0.0644

Numerator: Water aspect

Water withdrawn

Denominator

One thousand 12 oz cans.

Comment

North America division water intensity average is 0.0644 cubic meters of water consumed per thousand 12 oz cans. Water intensity is given by water withdrawn versus production, there is no water in the final product.

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 confirm below



I have read and accept the applicable Terms