

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, and specialty packaging products to consumer marketing companies around the world. Additionally, through the acquisition of Signode Industrial Group Holdings, Crown has expanded its business to include Signode transit packaging systems and solutions, consisting of strap, stretch, and protective packaging. In 2020, Crown established our [Twentyby30](#) initiative, a Company-wide program to bring our sustainability performance to the next level. As we look toward 2030, we are advancing our commitment in this area and have developed a comprehensive water stewardship strategy. Recently, Crown signed onto the United Nation's CEO Water Mandate, which offers a powerful avenue for companies to collaborate to address urgent water challenges related to scarcity, quality, governance and access to water and sanitation. Crown is committed to supporting collective action to replenish 100 watersheds.

W0.2

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

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

W0.3

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

- 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 2022 Crown is reporting 218 production sites. Excluded to that, 35 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 35 sites are not contemplated in this report.	The Transit Packaging division have small sales offices that do not have significant amounts of water usage to report, the amount is estimated to be less than 0.01% of our total water withdrawal.

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	Vital	<p>VITAL - Water is vital for Crown's operations. We not only need water to keep cleanliness, fresh water accessible to our employees and maintain good sanitary conditions but also the manufacturing process of beverage cans and glass bottles. Water is required for the following manufacturing processes: cooling systems, washing, rinsing cans and glass bottles and separating the sand for glass production. While Crown's facilities need fresh water inputs, most of this water returns to the 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/consume fresh water. In the future we envision more recycled/reused water being used in our manufacturing sites that way we decrease freshwater inputs.</p> <p>Indirect –Crown understands that water is vital for our suppliers of aluminium and steel, such as for cooling purposes in the extrusion processes but also for cleanliness, water access to our employees to maintain good sanitary conditions. We are engaging with them to understand their water footprint and actions taken to preserve water/reuse/recycle water.</p>
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Neutral	<p>No brackish or produced water is used however Crown's processes are able to reuse/recycle the water in many parts of its processes. The washers are equipment designed to recirculate the water within the stages, reducing significantly the amount of freshwater input needed. Our plants have initiatives where water is being reused, for example reuse the RO reject to make-up tank water, thereby avoiding freshwater input, and reuse water to cooling systems. Recycled water for Crown will become more prevalent for our sites located in regions with water scarcity as climate change evolves. Currently, we are working on trialing a near-zero liquid discharge wastewater treatment system that is able to recirculate higher percentages of water, therefore decreasing the need of more freshwater withdrawn in the future. This technology will be considered for expansion across the company once tested.</p> <p>Indirect - Crown understands that water is vital for our suppliers of aluminium and steel and recycling water in their process is expected to increase in the future.</p>

W1.2

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

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water withdrawals – total volumes	100%	Continuously	Municipality meter (invoiced) and factory meter.	Crown collects water data globally and center the information at a Corporate level. Data is stored in our Software Resource Advisor that in a close future will migrate to OneStream. Water is part of our KPI and is subject to audits. 100% of Crown's total volume withdrawn is monitored by meters and/or billing. The measurements are constant through water meters provided by the municipality or in case of groundwater installed by the company.
Water withdrawals – volumes by source	100%	Continuously	Meter readings. In some locations the meter is connected with the local agency, so they keep track of Groundwater withdrawn for compliance purposes. Other locations use the reding provided by the water company in the invoices.	100% of Crown's total volume withdrawn is monitored and identified by source: surface (river/rain) water, groundwater or third party water (municipal).
Entrained water associated with your metals & mining and/or coal sector activities - total volumes [only metals and mining and coal sectors]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Water withdrawals quality	100%	Other, please specify (Depends on the plant. The manufacturing sites that use water in the process check the water quality daily. Sites that receive water from third party have their water quality checked according to the local agency requirements.)	Laboratory tests the water sample, can be done internally or externally.	Water quality is monitored at 100% of facilities from all sources. Freshwater (TDS< 1,000 mg/L) usage is identified as well as water used with higher TDS. No brackish (TDS> 10,000 mg/L) or ocean water is utilised. For production sites that use water in their operation, the incoming water quality is monitored; the water used in our operation requires a specific standard of hardness and conductivity, so the water is constantly tested at different parts of the process. Water for human consumption (toilets, kitchen) is monitored according to local legislation and to the company's water quality monitoring program. The methodology is that the water sample is analysed by external or internal laboratories.

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water discharges – total volumes	100%	Continuously	Meter readings and in a few cases estimate. For offices where there is only sewage discharge we adopt estimations based on employee number/hours worked.	All Crown's plants that require a wastewater treatment system have records of wastewater quantity and quality discharged. The effluent parameters and volume meet local compliance requirements and the limits given in the permit. The plants that discharge directly to municipal waste water treatment system comply with the municipal discharge requirements as well.
Water discharges – volumes by destination	100%	Continuously	Meter reading.	The facilities that discharge into rivers have their volumes in 100% compliance with their permits. Crown has 18 sites that discharge water into rivers, 7 sites report no discharge and 1 site discharges in the ocean. 9% of plants discharge to rivers (and ocean) and 88% discharge to municipal waste water treatment plants and 3% of sites have no discharge. Data regarding wastewater volumes and discharge destination is tracked and recorded at the plant level and controlled at regional and corporate level. Crown teams work every day to improve the accuracy and measurements of the volumes read.
Water discharges – volumes by treatment method	100%	Continuously	Meter reading	Crown's wastewater is treated according to their type of manufacturing processes. 30% of plants treat wastewater using an on-site wastewater treatment system before they send it to the city system, 52% send wastewater to municipal wastewater treatment plants (city system), 18% do not use water in production processes so their effluent is sewage discharged directly to the sewage system.
Water discharge quality – by standard effluent parameters	100%	Other, please specify (Depends on the plant, for manufacturing sites with a Discharge permit and a wastewater Treatment system on site the tests are more often than the plants that do not use water in their productive process. It can vary from monthly to annually.)	Meter reading	All plants manage discharge parameters that 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 , COD, Oil & Grease parameters, in addition to parameters required by local agency.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	100%	Other, please specify (The plants discharging water to the body of water, rivers and ocean follow the frequency required of the laboratory analysis frequency. It can be monthly, twice a year or annually.)	Laboratory testing done by a third party following the methodology and frequency of sampling imposed on the discharge permit.	All plants manage discharge parameters required by the local regulations, according to the type of wastewater treatment used and discharge location. Pollutants are measured and discharged in accordance with the allowed in the permits.
Water discharge quality – temperature	100%	Other, please specify (Crown does not discharge water in temperature higher than 150)	Laboratory testing done by a third party following the methodology and frequency of sampling imposed on the discharge permit.	By nature of our manufacturing processes, our facilities do not yield high temperature water upon discharge, that is, no water is discharged higher than 150 Fahrenheit. Wastewater discharge temperatures comply with local regulation. All of our manufacturing sites that treat water on site discharge accordingly to their permits if applicable. That is not projected to change in the future.
Water consumption – total volume	100%	Continuously	Meter reading - the effluent water reading can be extract with the water withdrawal.	All of Crown sites keep track of their total water inputs. Municipal, groundwater, rain and surface water volumes are monitored. We also monitor the discharge, with that we can get the consumption figures after the following methodology: Consumption = Withdrawal - Discharge.
Water recycled/reused	26-50	Continuously	Meter readings.	Crown recycles/reuses water in all the beverage production plants and in 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. The water withdrawn by Crown sites that recycle/reuse water corresponds to approximately 89% of our 2021 total water withdrawals.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Continuously	Verified in person, audits. in 2023 third quarter there is a plan to implement the	Crown offers clean water access, sanitation and hygiene to its employees globally. Crown has set a goal to verify access to WASH annually and the information is verified annually by internal audits.

W1.2b

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

	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Please explain
Total withdrawals	9102.78	Lower	Increase/decrease in efficiency	Unknown	Facility expansion	Crown constantly adds capacity in the Beverage business. Despite the efforts to increase efficiency and water reduction, some new plants and lines might come online in the future. In 2021, Crown withdrew 9,116.30 megaliters. Crown plants are expected to decrease withdrawal in the next few years.
Total discharges	6562.56	Higher	Divestment from water intensive technology/process	About the same	Divestment from water intensive technology/process	In 2021 Crown discharged a total of 6,439.548 megaliters. The company has been working on eliminating leaks and high evaporative equipment, investing in maintenance and optimizing water usage in the plants. Decreasing the consumption, the discharge increases.
Total consumption	2540.22	Lower	Divestment from water intensive technology/process	Lower	Divestment from water intensive technology/process	in 2021 Crown consumption was 2,676.751 megaliters.

W1.2d

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

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Identification tool	Please explain
Row 1	Yes	26-50	Lower	Increase/decrease in efficiency	Lower	Increase/decrease in efficiency	WRI Aqueduct	In 2021 the amount of water withdrawn from water stressed areas was 29.1%. In 2022 it was 28% even with the business growing.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Relevant	664.01	Lower	Increase/decrease in efficiency	In 2021 the surface water volume withdrawn was 783.81 megaliters.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Crown does not use this type of water source.
Groundwater – renewable	Relevant	1920.85	Lower	Please select	In 2021 the volume withdrawn from groundwater source was 2,011.8 megaliters.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Crown does not use this type of water source.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Crown does not use this type of water source.
Third party sources	Relevant	6517.93	Higher	Facility expansion	In 2021 the total water coming from Third party as a source was of 6,320.60 megaliters, a little higher. Despite savings efforts capacity was added for plants that uses Municipal water as water source.

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Relevant	1216.55	Higher	Increase/decrease in efficiency	In 2021 the volume discharged in rivers was of 851.24 megaliters.
Brackish surface water/seawater	Relevant	107.31	About the same	Change in accounting methodology	Only 1 plant discharge in the harbour and the total volume discharged in 2021 was of 107.31 megaliters.
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Crown does not discharge water to groundwater sources.
Third-party destinations	Relevant	5238.71	Lower	Increase/decrease in efficiency	The discharge to third-party destinations in 2021 was of 5,480.99 megaliters. Facilities increasing their water efficiency are starting to recirculate water more, what can reduce the discharge.

W1.2j

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

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant	5986.7	Higher	Change in accounting methodology	21-30	In 2021 the estimated amount of water treated onsite via (WWTS) Wastewater Treatment System was 5,715.21 megaliters. The plants that treat wastewater in a WWTS correspond to 30% of our facilities. The onsite wastewater treatment before discharge to the city removes oil and grease- organics, suspended solids, and follow the standard imposed our sites worldwide. The sites discharging in the river, depending on the region have very strict levels of BOD and are subject to a more demanding water treatment.
Secondary treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Our processes do not include a plant with secondary treatment onsite.
Primary treatment only	Relevant	5.69	About the same	Please select	Less than 1%	In 2021, 5.66 megaliters were treated by primary treatment only. One site only.
Discharge to the natural environment without treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Crown does not discharge water to the environment without treatment.
Discharge to a third party without treatment	Relevant	570.17	About the same	Increase/decrease in business activity	61-70	in 2021, 554.12 megaliters were discharged to a third-party. These facilities for the most part do not use water directly in the process and are within parameters to send to a POTW or city system.
Other	Relevant	0	Please select	Please select	1-10	Facilities that are now zero discharge.

W1.2k

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

	Emissions to water in the reporting year (metric tonnes)	Category(ies) of substances included	List the specific substances included	Please explain
Row 1		Please select	<Not Applicable>	We do not routinely sample for the identified pollutants in question as from process knowledge there are no pesticide or EU Water Framework Directive priority substances in our discharge.

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	1294300000	9102.78	1421873.31782159	Crown anticipates that due to our 20% water savings goal by 2025, our water efficiency will improve. We are committed to decommissioning and replacing inefficient equipment as well as the implementation of best practices, improving water monitoring through better metering and implementing best practices *on water reuse/recirculating.

W1.4

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

	Products contain hazardous substances	Comment
Row 1	Yes	<Not Applicable>

W1.4a

(W1.4a) What percentage of your company’s revenue is associated with products containing substances classified as hazardous by a regulatory authority?

Regulatory classification of hazardous substances	% of revenue associated with products containing substances in this list	Please explain
Please select	Please select	

W1.5

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

	Engagement	Primary reason for no engagement	Please explain
Suppliers	Yes	<Not Applicable>	<Not Applicable>
Other value chain partners (e.g., customers)	Yes	<Not Applicable>	<Not Applicable>

W1.5a

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

Row 1

Assessment of supplier impact

Yes, we assess the impact of our suppliers

Considered in assessment

Basin status (e.g., water stress or access to WASH services)

Number of suppliers identified as having a substantive impact

0

% of total suppliers identified as having a substantive impact

None

Please explain

Where possible, we assess the impacts of our key suppliers in terms of water stress. We do so through the World Resource Institute's (WRI's) Water Stress Aqueduct tool and assess our suppliers' water stress rating, noting especially which suppliers operate in areas of high water stress and extremely high water stress. No key suppliers assessed operate in regions of high or extremely high water stress.

W1.5b

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

	Suppliers have to meet specific water-related requirements	Comment
Row 1	Yes, suppliers have to meet water-related requirements, but they are not included in our supplier contracts	<Not Applicable>

W1.5c

(W1.5c) Provide details of the water-related requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.

Water-related requirement

Conducting water-related risk assessments on a regular basis (at least once annually)

% of suppliers with a substantive impact required to comply with this water-related requirement

100%

% of suppliers with a substantive impact in compliance with this water-related requirement

51-75

Mechanisms for monitoring compliance with this water-related requirement

Supplier self-assessment

Response to supplier non-compliance with this water-related requirement

Retain and engage

Comment

On an annual basis, Crown conducts a supplier survey of its major suppliers. In this survey, we ask whether our suppliers have water savings or water quality goals in place, ask them to describe what their process for identifying water-related risks is, and also to share whether they are open to the mutual sharing of water-related best management practices. The percentages provided for those suppliers with a substantive impact reflect our aluminum suppliers.

W1.5d

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

Type of engagement

Innovation & collaboration

Details of engagement

Encourage/incentivize innovation to reduce water impacts in products and services

% of suppliers by number

1-25

% of suppliers with a substantive impact

100%

Rationale for your engagement

Our aluminum suppliers reflect the vast majority or approximately 90% of our purchased materials by volume and by Scope 3 impacts and so this is why we engage with these suppliers.

Impact of the engagement and measures of success

Impact of the engagement is better understanding of our suppliers processes including their emphasis and priority on water use reduction. The measure of success is response and engagement.

Comment

Impact of the engagement is better understanding of our suppliers processes including their emphasis and priority on water use reduction. The measure of success is response and engagement.

W1.5e

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

Type of stakeholder

Investors & shareholders

Type of engagement

Education / information sharing

Details of engagement

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

Rationale for your engagement

Crown has partnered through one of its investors' third-party engagement platforms to engage in direct conversations and communications with key investors on our water strategy. These conversations took place as part of a pformal investment educational program and ran the course of two years over 2022 and 2023.

Impact of the engagement and measures of success

The impact of the engagement has been that Crown has modified its approach to some of its water strategy and the measure of success of the program has been in the positive responses received from those participating in the collaboration. Our knoweldge base has increased and that has been a good measure of success.

W2. Business impacts

W2.1

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

No

W2.2

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

	Water-related regulatory violations	Fines, enforcement orders, and/or other penalties	Comment
Row 1	Yes	Fines	All instances related to fines in the reporting year are all in compliance currently.

W2.2a

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

Row 1

Total number of fines

2

Total value of fines

13405.18

% of total facilities/operations associated

1

Number of fines compared to previous reporting year

Higher

Comment

Crown experienced instances of permit non-conformances related to its wastewater operations in the reporting year. These are all in compliance currently and have had no impact to the operations. Crown paid two (2) fines in the reporting year.

W2.2b

(W2.2b) Provide details for all significant fines, enforcement orders and/or other penalties for water-related regulatory violations in the reporting year, and your plans for resolving them.

Type of penalty

Fine

Financial impact

3303.5

Country/Area & River basin

Turkey	Other, please specify (Black Sea, South Coast)
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Type of incident

Spillage, leakage or discharge of potential water pollutant

Description of penalty, incident, regulatory violation, significance, and resolution

The incident was about lacquer that made its way into the local watercourse. The penalty received was two fines. The resolution of the incident is that the site is in compliance and the first fine was paid by the company and the second fine was challenged by the company.

Type of penalty

Fine

Financial impact

10101.68

Country/Area & River basin

Mexico	Other, please specify (Rio Lerma)
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Type of incident

Failure to monitor effluent

Description of penalty, incident, regulatory violation, significance, and resolution

The incident was about wastewater permit limitations that were exceeded for solids, fats, and oils. The penalty received was a fine. The resolution of the incident is that the site is in compliance and the fine was paid by the company.

W3. Procedures

W3.1

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

	Identification and classification of potential water pollutants	How potential water pollutants are identified and classified	Please explain
Row 1	Yes, we identify and classify our potential water pollutants	Yes, we identify the pollutants. Crown productive sites that use water in their processes do have a wastewater discharge permit and each specific local agency describe the pollutants that are not allowed or what are the limits of discharge. No permit is the same. For each region and states it changes, for example in the United States, Crown follows the National Pollutant Discharge Elimination System (NPDES) permitting program. Internally Crown also have in each unit the hazardous waste identified on site and make sure they all have the correct destination.	<Not Applicable>

W3.1a

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

Water pollutant category

Oil

Description of water pollutant and potential impacts

Coolant, lubricant and hydraulic oil are used in the front end. Potential impacts include leaks, spills and incorrect drainage contaminating the water that is discharged.

Value chain stage

Direct operations

Actions and procedures to minimize adverse impacts

Implementation of integrated solid waste management systems
Industrial and chemical accidents prevention, preparedness, and response
Provision of best practice instructions on product use

Please explain

The identification of environmental aspects and impacts englobe the identification of the hazardous waste and chemicals/pollutants. This identification is done from the reception of aluminium coils to the water treatment to spot per section of the productive process the steps that offer potential water contamination. Crown's Water Program which is based on The Clean Water Act, contains in the ECFR part 465 that speaks to Coil Coating point source category, establishes the Toxic Organics Compounds and the list of pollutants and their limitation in the effluent the site will produce. The EPA's pre-treatment program imposes three types of restrictions upon industrial facilities that discharge wastewater to POTWs: 1) National Categorical Standards; 2) Prohibited Discharge Standards; and 3) Local Limits Wastewater discharge permits reflect the intent of that imposition. For that reason, no two permits are the same. However, all permits will contain at least the national categorical standards listed in a table. The organization minimizes the adverse impacts of potential water pollutants by safely handling, storing, disposing all chemicals and products in all processes of the manufacturing process by creating procedures, instructive and training employees on their roles. Crown has a Global safety Program called Crown SAFE, where the objective is to reinforce safety practices and make safety at workplace a culture.

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
Supply chain

Coverage

Full

Risk assessment procedure

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

Frequency of assessment

Annually

How far into the future are risks considered?

More than 6 years

Type of tools and methods used

Tools on the market
International methodologies and standards
Databases

Tools and methods used

EcoVadis
SEDEX
WRI Aqueduct
ISO 14001 Environmental Management Standard

Contextual issues considered

Water availability at a basin/catchment level
Water quality at a basin/catchment level
Implications of water on your key commodities/raw materials
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 is done using the WRI Aqueduct tool. This first identification helps to conduce the following steps that are identifying the sites and its basins and finding a partner for water replenishment projects in that area. Secondly, we use external tools. Crown consults an external third party consultant, to make a global screening to validate what was found in the first identification with the WRI Aqueduct. Next step is to prioritize the basins that will be subject to replenishment. We consult the Action HUB list of priority basins. One example is our first project held in Brazil, replenishing water to the Tiete Basin through a nature-based solution. The identification of sites in areas with water scarcity direct us so we can target our next areas to work in, through replenishment partnerships and water savings projects. 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 (The water risk the plant is located is assessed through WRI, Aqueduct.)

Frequency of assessment

Annually

How far into the future are risks considered?

1 to 3 years

Type of tools and methods used

Tools on the market

Tools and methods used

WRI Aqueduct

Contextual issues considered

- Water availability at a basin/catchment level
- Water quality at a basin/catchment level
- Impact on human health
- Implications of water on your key commodities/raw materials
- Water regulatory frameworks
- Access to fully-functioning, safely managed WASH services for all employees

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.

	Rationale for approach to risk assessment	Explanation of contextual issues considered	Explanation of stakeholders considered	Decision-making process for risk response
Row 1	First, we conduct an annual risk assessment using the WRI Aqueduct tool to identify the sites located in regions with high and extremely high-water stress. We also conduct a Global Water Risk Screening with an external third party - Impact 52 - consultant approximately every 3 years to confirm the results of the screening.	We consider the water availability at the basin and the technologies we can invest to reduce water withdrawal. When a site is identified to be in a water scarce region, we look for local partners to help with land conservation for example - and invest in the community to preserve the land around and engage in water replenishment projects.	We consider our employees and the availability of freshwater for their proper conditions of work and day-today cleanliness and comfort, the community around, the local government sometimes can be engaged in water replenishment initiatives.	The research and identification of the region comes from our local and corporate engineering teams, goes through the Director of Global Sustainability and VP of Global Sustainability & Regulatory Affairs and the decisions are made to invest/partner in water replenishment, reforestation, land conservation and water reuse/savings projects. The identification also directs decisions on where the Sustainability Capex flow towards to.

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 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	1	1-25	Crown employs a third-party service to assess potential future water risks associated with future-scenario based climate modelling. No one site located in regions with water stress carries more than 2% of Crown's revenue globally for the company, and there is only one location globally which have the potential to have a substantive financial or strategic impact on our business in the context of water risks associated with 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

Mexico	Other, please specify (Rio Lerma)
--------	-----------------------------------

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

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

<Not Applicable>

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

<Not Applicable>

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

<Not Applicable>

% company's total global revenue that could be affected

1-10

Comment

The number of facilities is one (1) and it corresponds to 0.46% of the total number of facilities in Crown. The percentage of the Company's total revenue that could be affected is between 1-10%.

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

Mexico	Other, please specify (Lerma)
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Type of risk & Primary risk driver

Chronic physical	Water stress
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Primary potential impact

Constraint to growth

Company-specific description

Our facility in Mexico, in the River Lerma - minor basin Lerma Toluca - is located in an area of extremely- high water stress however according to WRI Aqueduct the drought risk is medium and riverine risk flood is low. This plant has recently replaced its water-cooled system for more efficient adiabatic systems. The team in Mexico is continuously working in water efficiency improvements and the location has been developing plans for a water champion for the region so that new water projects can be implemented in this plant. This facility is also in our target list for a water replenishment project over the next couple of years. The plant is projected to increase its efficiency but also the water recirculation capacity, so that it will be able to adapt in the basin without compromising the water availability for the site and to the community around.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-low

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure - minimum (currency)

20000000

Potential financial impact figure - maximum (currency)

60000000

Explanation of financial impact

The estimated figures are considering a scenario where the facility had to shut its operations from 1 to 3 months due to extreme water shortage. The impact on the quality and quantity of the water available will be a push to the site to depend less on groundwater and increase the reuse of water in the plant what could cause increase in the cost of operation or in a worst-case scenario constraint to grow.

Primary response to risk

Increase investment in new technology

Description of response

Continuous management of water efficiency, continuous improvement of efficiency and CAPEX release for water projects. The ability of the plant to operate with higher amounts of recirculated water, reduce losses and run the process more efficiently relieves pressure on the water available in the basin for the community.

Cost of response

3000000

Explanation of cost of response

Commission a new treatment system to reuse water in the process and implement continuously efficiency projects to reduce water withdrawals. The cost of a water system to decrease water usage would cost upwards of \$3 million USD as a maximum.

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. This evaluation is planned to be concluded in Q1 2024.

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) 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 leaks in the 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 withdrawal by more than 2.5 million gallons in 2020, which is crucial, especially 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)

75000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact

The financial impact figure provided is for our Lacrosse plant. The water conservation project developed by the plant reduced the amount of water usage in the washers. The figure provided is based on water savings, landfill savings, water treatment savings and wastewater treatment savings. Volumes of water withdrawal reduction times the price in USD per gallons.

Projections calculated using 2021 Baseline Totals at a 22% savings Rate

Type of opportunity

Resilience

Primary water-related opportunity

Increased resilience to impacts of climate change

Company-specific description & strategy to realize opportunity

Our goal to replenish 100% of the levels consumed by our plants located in areas with water stress back to those watersheds by 2030.

Estimated timeframe for realization

More than 6 years

Magnitude of potential financial impact

High

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact

At this moment, Crown is aiming to reestablish the water balance in areas of high and extremely high-water stress that we operate. We are currently partnering and looking for more partnerships so through forest conservation, reforestation, nature-based solutions and others we can promote the soil integrity which leads to the protection of water bodies. The forest and vegetation around are what keeps the balance, where the biodiversity and the water flow can be reestablished.

(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)

Toluca

Country/Area & River basin

Mexico	Other, please specify (Rio Lerma)
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Latitude

19.292341

Longitude

-99.599106

Located in area with water stress

Yes

Primary power generation source for your electricity generation at this facility

<Not Applicable>

Oil & gas sector business division

<Not Applicable>

Total water withdrawals at this facility (megaliters/year)

169.51

Comparison of total withdrawals with previous reporting year

Higher

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

169.51

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)

83.06

Comparison of total discharges with previous reporting year

Lower

Discharges to fresh surface water

83.06

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

0

Total water consumption at this facility (megaliters/year)

86.45

Comparison of total consumption with previous reporting year

Higher

Please explain

The water consumption increased in the critical months prior to replacing the plant's older, more inefficient cooling tower, the commissioning adjustments from which also added to the water consumption. The system was replaced mid 2022 so we expect to see future water savings when comparing 2022 with 2023. The consumption in 2021 was of 41.3 megalitres. The consumption in 2022 over 2021 is higher but this does not reflect actual residual from the plant. This variation is explained by a large rainstorm that occurred in March, 2021, which caused the effluent reading to spike due to overflows of the system during the storm. In 2022, the data does not reflect any of these anomalies and reflects more accurately the water data.

W5.1a

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

Water withdrawals – total volumes

% verified

76-100

Verification standard used

The facility has water controls through internal procedures that are audited according to ISO 14001 management requirements, additionally, the plan has a certification called Industria Limpia (Mexican env government certification) audit through the third part auditor (Certifying House).

Please explain

<Not Applicable>

Water withdrawals – volume by source

% verified

76-100

Verification standard used

The facility has water controls through internal procedures that are audited according to ISO 14001 management requirements, additionally, the plan has a certification called Industria Limpia (Mexican env government certification) audit through the third part auditor (Certifying House).

Please explain

<Not Applicable>

Water withdrawals – quality by standard water quality parameters

% verified

76-100

Verification standard used

The facility has water controls through internal procedures that are audited according to ISO 14001 management requirements, additionally, the plan has a certification called Industria Limpia (Mexican env government certification) audit through the third part auditor (Certifying House).

Please explain

<Not Applicable>

Water discharges – total volumes

% verified

76-100

Verification standard used

The facility has water controls through internal procedures that are audited according to ISO 14001 management requirements, additionally, the plan has a certification called Industria Limpia (Mexican env government certification) audit through the third part auditor (Certifying House). The wastewater is tested quarterly and compliant with Local agency permit.

Please explain

<Not Applicable>

Water discharges – volume by destination

% verified

76-100

Verification standard used

The facility has water controls through internal procedures that are audited according to ISO 14001 management requirements, additionally, the plan has a certification called Industria Limpia (Mexican env government certification) audit through the third part auditor (Certifying House). The facility continuously measures the volumes of discharge through water meters. The wastewater volume is verified as part of the wastewater inform and compliant with Local agency permit.

Please explain

<Not Applicable>

Water discharges – volume by final treatment level

% verified

76-100

Verification standard used

The facility has water controls through internal procedures that are audited according to ISO 14001 management requirements, additionally, the plan has a certification called Industria Limpia (Mexican env government certification) audit through the third part auditor (Certifying House). The facility continuously measures the volumes of discharge through water meters. The wastewater is tested quarterly and compliant with Local agency permit.

Please explain

<Not Applicable>

Water discharges – quality by standard water quality parameters

% verified

76-100

Verification standard used

Wastewater compliance is done through third party laboratories verification. Additionally, the facility is subject to ISO 14001 Audits and is Compliant with the permit issued by local agency. Frequency of lab tests - Quarterly
Data is verified by a third-party auditor.

Please explain

<Not Applicable>

Water consumption – total volume

% verified

76-100

Verification standard used

The water consumption calculation is done through the balance between Withdrawals and discharge - two validated data. It is controlled on site level and at corporate level.

Please explain

<Not Applicable>

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 dependency on water Commitment to reduce water withdrawal and/or consumption volumes in direct operations Commitment to safely managed Water, Sanitation and Hygiene (WASH) in the workplace Commitment to stakeholder education and capacity building on water security Commitment to water stewardship and/or collective action Commitments beyond regulatory compliance Reference to company water-related targets Acknowledgement of the human right to water and sanitation Recognition of environmental linkages, for example, due to climate change	As a can manufacturer, Crown acknowledge the vital role that water plays in the success of the business. The plants located in areas with water stress are in the spotlight, subject to minimum water inputs, water usage improvements and in line for water replenishment projects to lower or avoid negative impact in those regions. In our direct operations, our most intense water user plants are under a scorecard where the water efficiency of the plants is managed and the water efficiency is watched closely. In our water policy 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, Crown has commitments in driven by the commitment to responsible sourcing, water savings, water efficiency, water stewardship, wastewater compliance and ethical water usage. These goals are based on the SDG's 3, 6,12, 14 and 17. The program also contemplates new technologies like ZLD, WASH in the workplace, stakeholder awareness and education, commitments beyond regulatory compliance such as water replenishment projects in watershed located in high water stress. Crown has signed to the CEO Water Mandate and through the Water Resilience Coalition that is committed to collectively replenish 100 basins. We have explored the Action Hub list of basins that are priorities and are working to complete new water replenishment partnerships. Technologies like ZLD are contemplated in Crown's Twentyby30 goals. – efficiency Goes in the policy – we are committed to stakeholder awareness both internally through educating employees and sharing best practices, and externally through our endorsement and action by joining the CEO water mandate.

W6.2

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

Yes

W6.2a

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

Position of individual or committee	Responsibilities for water-related issues
Chief Executive Officer (CEO)	Crown Holding's President and Chief Executive Officer (CEO) and Chairman of the Board (COB) is the individual responsible for oversight of water-related issues. 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. As an example of water-related decision made in 2022 our CEO/COB approved the decision to endorse the CEO Water Mandate, joining the Water Resilience Coalition in a call to engage in collective water stewardship.

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 corporate responsibility strategy Reviewing and guiding major plans of action Reviewing and guiding strategy	Crown’s Board of Directors 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 on water-related issues	Criteria used to assess competence of board member(s) on water-related issues	Primary reason for no board-level competence on water-related issues	Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future
Row 1	No, but we plan to address this within the next two years	<Not Applicable>	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.)

Water-related responsibilities of this position

Setting water-related corporate targets
Monitoring progress against water-related corporate targets
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues

Quarterly

Please explain

The CEO receives regular updates on the progress on Crown’s water-related corporate targets through the Twentyby30™ program. The CEO had the ultimate approval in setting the water targets and any updates to the program must be approved by the CEO. Progress toward all Twentyby30 goals, including water goals of reducing water withdrawal in 20% by 2025 and be replenishing 100% of the levels of water consumed in areas with water stress back to those watersheds by 2030 are part of the annual performance evaluation that the Board completes for the CEO. With Sustainability being a priority at Crown, water-related issues are integrated into our overall business strategy. The CEO’s commitment to the Twentyby30™ program ensures strong alignment of water goals within all operations.

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	<p>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.</p> <p>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.</p>

W6.4a

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

	Role(s) entitled to incentive	Performance indicator	Contribution of incentives to the achievement of your organization's water commitments	Please explain
Monetary reward	Chief Executive Officer (CEO) Chief Sustainability Officer (CSO)	Reduction of water withdrawals – direct operations Improvements in water efficiency – direct operations	The incentives provided to C-suite employees for the management of water-related issues are pivotal to the achievement of our organization's water commitments. The incentives allow for the importance of sustainability to be cascaded down from our Chief Executive Officer's task list to all others in the company, including employees in our manufacturing facilities. The incentives have helped Crown to elevate the importance of our water savings targets as top-level management is all aware of the importance now of saving water in the context of these larger goals.	<p>Crown's Board of Director selects and controls the compensation of the Chief Executive Officer, who is additionally evaluated by the Nominating and Corporate Governance Committee (NCGC). In 2022, 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.</p> <p>In 2022, additional objectives were added into the Board's evaluation of the CEO's executive compensation, including sustainability criterion. A negative evaluation on the sustainability criterion will have either potential employment or financial consequences to the CEO's compensation.</p> <p>Our senior-level sustainability personnel who oversees sustainability has direct compensation metrics tied to the company's management of water-related issues such as water efficiency and usage reduction target monitoring and water replenishment attainment.</p>
Non-monetary reward	Chief Executive Officer (CEO) Other, please specify (plant level employees)	Reduction of water withdrawals – direct operations Reduction in water consumption volumes – direct operations Improvements in water efficiency – direct operations Improvements in wastewater quality – direct operations	These non-monetary incentives contribute a great deal to the achievement of our organization's water commitments insofar as they encourage the sharing of best practices and put focus and attention on our processes which utilize water to encourage less water usage.	The sustainability efforts that take place in our plants all over the world are recognized annually. The best projects are publicly celebrated by our Chairman in the Chairman Sustainability Awards, the results of which are published in our Sustainability Report. We award groups within our metal packaging and transit plants for an Environmental Sustainability Award, a Safety Sustainability Award, and a Social Sustainability Award. Additionally, Crown has a Twentyby30 Best Practices Program which recognizes plants for exceptional work in each of the 5 pillars of the program: Climate Action, Resource Efficiency or Water, Optimum Circularity, Working Together, Never Compromise.

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. Recently, Crown signed onto the United Nation's UNGC, and the CEO Water Mandate, which offers a powerful avenue for companies to collaborate to address urgent water challenges related to scarcity, quality, governance and access to water and sanitation. and the UN's Water Resilience Coalition, which Crown is committed to supporting collective action to replenish 100 watersheds. In order to ensure that all of Crown's direct and indirect activities seeking to influence policy with our water policy/water commitments, we have the process in place to have our corporate legal counsel review any external industry associations any external commitments to which Crown may sign onto supporting, such as the UNGC.

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)

CCK_2022_Annual_Report_0.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	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)

0

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

0

Water-related OPEX (+/- % change)

0

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

0

Please explain

Crown does have a dedicated CAPEX of several millions for sustainability projects and prioritize water savings/reuse/efficiency projects especially in the plants we operate that are located in basins with water scarcity.

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 the World Resource Institute (WRI) available water stress Aqueduct modelling tool and also employ a third-party vendor - Impact52 - to perform satellite imaging of our locations as set against climate change modelling RCP projected pathways out to 2050. Additionally, we 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 Climate-related	In-line with Crown's Twentyby30 program, our current scenario analysis focuses on an 8-year time horizon, in line with our target year for our current corporate sustainability targets, which are set out to the year 2030. As well, we also did a future scenario analysis out to the year 2050. The scope includes the entire organization. Both qualitative and quantitative scenario analysis is used. Current scenario analysis is based on the RCP2.6 and RCP8.5 concentration pathways modelling as our selected modelling.	We assumed the following: <ul style="list-style-type: none"> • Water prices that are in place by 2030, may operate within tax and/or emissions trading frameworks and will vary based on global location. • Water demand continues to rise and improvements are made for both supply and end-use; there will still be a mix of fresh water inputs but the future scenario is to replace freshwater by recycled water and implement water reuse in higher scales. • Commodity pricing reflect standard inflation; pricing of our own products may shift 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, including cost of water and usage per capita • Level of policy movement remains similar to now, with some additional water-related policies in select regions in the U.S., Europe, and those global locations with water insecurity • Sea level and Temperature changes were assessed on available RCP2.6 RCP8.5 concentration pathway modelling 	The result of the water-related and climate-related scenario analysis was a general recognition of the potential impact that climate change may have on all aspects of the business, including water risks. Scenario analysis confirmed the need to make investments to reach the company's water reduction and replenishment targets. The results of the scenario analysis were reviewed by the company's Risk Management team and supplement what the Risk Management team has already assessed in terms of identification of potential risks to the company. Crown has a corporate water replenishment goal and thus preserving the soil, avoiding erosion and engaging in projects involving reforestation to preserve and increase resilience of the watersheds is important to the company. Analyzing what scenario analysis showed insofar as the potential damage to our facilities from extreme weather effects, showed that if sea levels rise and water drought affects some watersheds, how some facilities might be affected. We are focused on prioritizing investment in facilities operating in water stressed areas due to the physical water risks in both our current and future operating scenarios.

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

Crown is currently monitoring the price of water through the invoices. Cost of water are different in different locations and regions. With the introduction of our new replenishment goal, to replenish the levels of consumption of water for the sites located in areas with water stress there is an additional indirect cost for water in the plant. Crown understands now that price of water is complex and not only limited to the invoice but to all intrinsic needs for each location so the site can operate accordingly; wastewater discharge cost, price of treatment prior to use in the process when needed, price of treatment previous to discharge, price of internal projects to recirculate water - including electricity - and now the cost of the project to replenish the water in that basin. Crown is starting on the path of accounting for the real price of water and understand that an internal water price can help the company to hedge against risks.

W7.5

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

	Products and/or services classified as low water impact	Definition used to classify low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	Yes	Low water impact product is able to reduce the water usage on its manufacturing through time. Can manufacturing does not add water to our final product so it is a product that gives opportunity to improve the rinsing cycle, improve the wastewater treatment, eliminate or improve cooling system that are water cooled, improve water efficiency in the washers, reuse water, there are many opportunities to reduce water in its processes.	<Not Applicable>	Crown has invested in the lightweight project meaning that the thinner and lighter the can is it holds less heat, evaporating less water. Evaporation is the consumption fraction in the manufacturing process, other than that the can does not contain water as a product.

W8. Targets

W8.1

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

Yes

W8.1a

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

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

W8.1b

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

Target reference number

Target 1

Category of target

Water withdrawals

Target coverage

Company-wide (direct operations only)

Quantitative metric

Reduction in total water withdrawals

Year target was set

2020

Base year

2019

Base year figure

9428.69

Target year

2025

Target year figure

7542.96

Reporting year figure

9102.79

% of target achieved relative to base year

17.2824317373113

Target status in reporting year

Underway

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 3.5% using the 2019 baseline. The goal is to reduce 20%.

Target reference number

Target 2

Category of target**Target coverage**

Company-wide (direct operations only)

Quantitative metric

Other, please specify (100% Compliance on wastewater discharge)

Year target was set

2020

Base year

2019

Base year figure**Target year**

2025

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

<Calculated field>

Target status in reporting year

Achieved

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

Target coverage

Company-wide (direct operations only)

Quantitative metric

Other, please specify (Ensure all employees have continued access to safe water, sanitation and hygiene)

Year target was set

2020

Base year

2019

Base year figure**Target year**

2025

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

<Calculated field>

Target status in reporting year

Underway

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.

Target reference number

Target 4

Category of target

Watershed remediation and habitat restoration, ecosystem preservation

Target coverage

Company-wide (direct operations only)

Quantitative metric

Other, please specify (By 2030, be replenishing 100% of water consumed from high scarcity watersheds back to those watersheds)

Year target was set

2020

Base year

2022

Base year figure

735.4

Target year

2030

Target year figure

735.4

Reporting year figure

58.8

% of target achieved relative to base year

<Calculated field>

Target status in reporting year

Underway

Please explain

Crown has partnered with The Nature Conservancy in the Sao Paulo Water Fund and through a nature based solution is currently replenishing in the Tiete basin what corresponds to 8% of the levels of total water consumed by our operations that are located in areas with water scarcity and 45% of the levels consumed in that basin.

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

Yes

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

Disclosure module	Data verified	Verification standard	Please explain
W1 Current state	Water discharge by destination	Other, please specify (Data is verified by a Third Part Auditor. or local authority)	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 or local authority..)	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. Plastics**W10.1****(W10.1) Have you mapped where in your value chain plastics are used and/or produced?**

	Plastics mapping	Value chain stage	Please explain
Row 1	Yes	Direct operations Supply chain	Signode, our transit packaging division, tracks the volume of plastic purchased by resin type (PP, PET, rPET, etc) and source (virgin, recycled, post-consumer material, etc). The volume of plastic in finished product is mapped as part of the production data.

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

	Impact assessment	Value chain stage	Please explain
Row 1	Yes	Direct operations Supply chain	The company has assessed for potential human health impacts.

W10.3

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

	Risk exposure	Value chain stage	Type of risk	Please explain
Row 1	Yes	Direct operations Supply chain	Please select	Potential to have potential exposure to plastics-related risks based on regulations such as single-use plastic regulations, taxes on plastics, or the like.

W10.4

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

	Targets in place	Target type	Target metric	Please explain
Row 1	Yes	Plastic packaging	Increase the proportion of post-consumer recycled content in plastic packaging	In our circularity goals, Crowm set to increase the recycled content of the plastic strapping we make by 10% globally.

W10.5

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

	Activity applies	Comment
Production of plastic polymers	No	
Production of durable plastic components	Yes	
Production / commercialization of durable plastic goods (including mixed materials)	Yes	
Production / commercialization of plastic packaging	Yes	
Production of goods packaged in plastics	Yes	Plastic strapping
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	No	our plastics are used for transportation purposes and for secondary packaging, not for primary packaging.

W10.7

(W10.7) Provide the total weight of plastic durable goods/components sold and indicate the raw material content.

Row 1

Total weight of plastic durable goods/components sold during the reporting year (Metric tonnes)

2590

Raw material content percentages available to report

% post-consumer recycled content

% virgin fossil-based content

<Not Applicable>

% virgin renewable content

<Not Applicable>

% post-industrial recycled content

<Not Applicable>

% post-consumer recycled content

30

Please explain

The company purchases approximately 30% recycled plastic for use in its raw materials. The figures provided in these responses are estimates and have not been verified.

W10.8

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

	Total weight of plastic packaging sold / used during the reporting year (Metric tonnes)	Raw material content percentages available to report	% virgin fossil-based content	% virgin renewable content	% post-industrial recycled content	% post-consumer recycled content	Please explain
Plastic packaging sold	171171	% post-consumer recycled content	<Not Applicable>	<Not Applicable>	<Not Applicable>	30	The figures provided in these responses are estimates and have not been verified.
Plastic packaging used	171203	% post-industrial recycled content	<Not Applicable>	<Not Applicable>		<Not Applicable>	The figures provided in these responses are estimates and have not been verified.

W10.8a

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

	Percentages available to report for circularity potential	% of plastic packaging that is reusable	% of plastic packaging that is technically recyclable	% of plastic packaging that is recyclable in practice at scale	Please explain
Plastic packaging sold	% reusable % technically recyclable % recyclable in practice and at scale	40	100	100	The figures provided in these responses are estimates and have not been verified. The estimates in this section are made of product type and not by weighted volume.
Plastic packaging used	% reusable % technically recyclable % recyclable in practice and at scale	40	100	100	The figures provided in these responses are estimates and have not been verified. The estimates in this section are made of product type and not by weighted volume.

W11. Sign off

W-FI

(W-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

W11.1

(W11.1) Provide technical 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)

SW. Supply chain module

SW0.1

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

	Annual revenue
Row 1	12943000000

SW1.1

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

Yes, CDP supply chain members buy goods or services from facilities listed in W5.1

SW1.1a

(SW1.1a) Indicate which of the facilities referenced in W5.1 could impact a requesting CDP supply chain member.

Facility reference number

Facility 1

Facility name

Toluca

Requesting member

The Coca-Cola Company

Description of potential impact on member

This facility is located in a basin of water scarcity and therefore there is the potential risk to have a potential impact on the supply to Coca Cola in the event of extreme water depletion.

Comment

Crown is currently looking at replenishments projects in the watershed where the facility is located.

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
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
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	50.986686	-113.971191	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	34.685266	-79.890931	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
CMB Lancaster	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	16.085439	108.134067	16° 5' 7.5834" N 108° 8' 2.6412" 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

Identifier	Latitude	Longitude	Comment
Decatur, USA	39.934831	-89.076085	39° 56' 1.2552" N 89° 4' 33.8268" W
Dong Nai, VIETNAM	10.919716	106.868249	10° 55' 10.977" N 106° 52' 5.7" 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	-87.849333	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' 4.6794" E
La Villa (Mexico City), MEXICO	19.466836	-99.1137	19° 28' 0.6132" N 99° 6' 49.3236" W
Lacrosse, USA	43.837902	-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	42.055598	-76.319223	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	-122.845455	47° 2' 16.116" N 122° 50' 49.02" W

Identifier	Latitude	Longitude	Comment
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
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
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	29.638788	-95.612121	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	44.023575	-107.961127	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

Identifier	Latitude	Longitude	Comment
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
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
CROPPS, 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
DHPHTA 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
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

Identifler	Latitude	Longitude	Comment
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
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
SIGBRS 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	21.701225	79.404461	21° 42' 4.4100" N 72° 57' 42.1416" E
SINDIA Rudrapur, Pantnagar, INDIA	29.018551	79.404461	29° 1' 20.0028" N 79° 24' 23.4354" E

Identifier	Latitude	Longitude	Comment
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 Lijjendal, Lijjendal, FINLAND	60.57317	26.06114	60° 57' 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	51.501348	5.414017	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
Singapore SF, SINGAPORE, Harbour Front	1.264515	103.819271	1° 15' 52.257" N 103° 49' 9.3756" E
Dubuque, USA	42.488575	-90.773189	42° 29' 18.8736" N 90° 46' 23.4804" 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
Vung Tao, VIETNAM	10.647699	107.063619	10° 38' 51.7200" N 107° 3' 49.032" E
Celcor, CANADA	43.434356	-80.313193	43° 26' 4.344" N 80° 18' 46.476" W
10 BOLENESS, UK	52.652666	0.161755	52° 39' 5.2128" N 0° 9' 34.7538" E
12 BOLENESS, UK	52.652253	0.160193	52° 39' 8.1108" N 0° 9' 36.6978" E
9 BOLENESS, UK	52.652666	0.161755	52° 39' 9.5976" N 0° 9' 42.318" E
HALTON HILLS, CANADA	43.550024	-79.871238	43° 33' 0.0894" N 79° 52' 16.4568" W
APT Roselle, USA	41.982943	-88.119665	41° 58' 58.5942" N 88° 7' 10.7934" W
UNIT 22 EUROPA WAY	52.653036	0.152081	52° 39' 10.9296" N 0° 9' 7.4946" E
Tinley Park, USA	41.55283	-87.828725	41° 33' 10.19 N 1° 87' 49' 43.41" W
Uberaba, BRAZIL	-19.736409	-47.982886	19° 44' 11.0718" S 47° 58' 58.3926" W
Pittsburg, CA - WH, USA	38.026117	-121.88939	38° 1' 34.0206 N 121° 53' 21.8076" W
Petrovany, SLOVAKIA	48.725467	18.553853	48° 43' 31.6842" N 18° 33' 13.8744" E
CMB Wortley	53.789526	-1.57917	53° 47' 22.2936" N 1° 34' 45.0156" W
Signode - Simplimatic	37.307088	-79.337867	37° 18' 25.5168" N 79° 20' 16.3212" W
Signode - Simplimatic 2	37.234089	-79.182396	37° 14' 2.7198" N 79° 10' 56.625" 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

Numerator: Water aspect

Water withdrawn

Denominator

One thousand 12 oz cans.

Comment

North America division water intensity average is 0.05713 cubic meters of water consumed per thousand 12 oz cans. Water intensity is given by water withdrawn by production, there is no water in the final product. Global average 0.0898 cubic meters per thousand cans.

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

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

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

Yes, CDP may share our Main User contact details with the Pacific Institute

Please confirm below

I have read and accept the applicable Terms