Welcome to your CDP Water Security Questionnaire 2023

W0. Introduction

W0.1

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

CarrefourSA, a joint venture of Carrefour and Sabanci Holding, leads the main trends that contribute to the national economy, particularly digitalization and sustainability.

CarrefourSA operates in a total sales area of 535,659 m2 as of the end of 2022, with a chain consisting of 23 Hypermarkets, 381 Supermarkets, 32 Gourmet and 259 Mini Markets, and 200 Dealers.

CarrefourSA reached 164 million consumers and a turnover of TL 19 billion in 2022 while maintaining its strong financial position. CarrefourSA strives to preserve its position as a trusted and chosen leading retailer that always does the "right" thing for its consumers by continuing to invest in all projects that have the potential to expand and create value with its own resources.

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.

Turkey

W0.4

(W0.4) Select the currency used for all financial information disclosed throughout your response.

TRY

W0.5

(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.

Companies, entities or groups over which operational control is exercised

W0.6

(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?

No

W0.7

(W0.7) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, a Ticker symbol	CRFSA

W1. Current state

W1.1

(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Important	Important	i&iii) The reason for importance rating and future water dependency for direct use: CarrefourSA is directly dependent on water in use, as it directly uses water in its operations in the production of bakery products, preparation of meals, cleaning of equipment and floors, personal hygiene of employees and ice making. It undertakes to respect the right of employees to access clean and quality water and to provide a healthy working environment. Therefore, the use of water in direct operations is important. Sufficient amounts of good quality freshwater will also be considered important in the coming years, due to the increased risk of water stress in Turkiye, as CarrefourSA operates in areas where water scarcity is likely to occur and is directly dependent on water for direct water use. ii&iv) The reason for importance rating and future water dependency for indirect use: CarrefourSA is dependent on water in its indirect activities, as its suppliers need high amounts of water both in their agricultural activities and in other operational activities. The lack of good water availability and quality at the basin level poses the potential for both operational and regulatory risks across all business units. In addition, insufficient water as a raw material poses an operational risk for CarrefourSA as supply interruptions may occur and financial losses may occur as a result. Being aware of these future problems, CarrefourSA's own branded food supplier audits also include water-related criteria in the question list. In addition, CarrefourSA, aware of its indirect impact on its customers, offers

			products that improve and control their water use, such as water-saving taps, rainwater collectors, and eco-certified cleaning products. For these reasons, sufficient amounts of good quality freshwater are important in indirect water use and will continue to be considered important in the coming years as CarrefourSA suppliers operate in areas where water shortages are likely to occur.
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Neutral	i&iii) The reason for importance rating and future water dependency for direct use: The water used in CarrefourSA's operations is obtained from municipal water while the drinking water comes from local suppliers. There is no recycled water use in its operations yet because CarrefourSA attaches importance to the quality of water both in its operations as it will directly affect the customer and the environment. In addition, It is a company serving the retail sector, so there is no water production. However, as CarrefourSA carries out its operations in areas with high water stress, it is investigating possible alternative solutions, of which water recycling is one of them. Therefore, the importance rating has been selected as neutral for now. CarrefourSA does not expect this level to change in the short term, but it anticipates that this resource will be important for CarrefourSA after 10 years since Türkiye is a region with increasing water stress. ii&iv) The reason for importance rating and future water dependency for indirect use: CarrefourSA carries out strict and regular inspections of its suppliers, especially food suppliers, who indirectly use water as it affects customer health. Currently, there is no recycled water use or water production in their suppliers. However, it is predicted that the use of recycled water will increase for suppliers operating in areas at risk of water stress. Therefore, a sufficient amount of recycled water grade was chosen as neutral. CarrefourSA does not expect this level to change in the short term, but it anticipates that this resource will be important for CarrefourSA after 10 years since Turkey is a region with increasing water stress.

W1.2

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

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water withdrawals – total volumes	100%	Monthly	The measurement methodology is based on the utilization of meters and invoices. Each facility of CarrefourSA accurately records the total volume of water withdrawn monthly by documenting the information from invoices into the SAP system.	CarrefourSA's operations include its warehouses, distribution companies, stores, and head office. According to company's calculation methodology, the total water withdrawal is determined by combining the water obtained from the municipal water system and the drinking water supplied by local suppliers. In line with its water targets, which aim to reduce water withdrawal, optimize usage, and increase water efficiency, CarrefourSA monitors all direct water use in its operations monthly, and the total volume of water withdrawals is reported annually at the Group level.
Water withdrawals – volumes by source	100%	Monthly	The water used in CarrefourSA's operations is obtained from municipal water and drinking water comes from local suppliers as third-party sources for all operations. The monitoring of water withdrawals is facilitated through monthly invoices from these third parties. The	CarrefourSA's operations encompass its warehouses, distribution companies, stores, and head office. Although CarrefourSA's water withdrawal sources consist solely of water obtained from third parties for WASH purposes, the company tracks water usage according to its

			invoices are entered into the SAP system monthly by each facility.	source as part of risk management in order to mitigate potential supply risks, as 90% of its facilities operate in high and extremely high-water stress areas.
Water withdrawals quality	100%	Monthly	The quality of mains water provided by municipalities must comply with the standards specified in regulations. In addition, checks for the quality of water purchased from local drinking water suppliers, which is another parameter constituting the withdrawal water, are conducted through quality standards and analysis reports. Drinking water suppliers regularly publish quality analysis reports on their websites. Furthermore, Carrefour may request these reports during the procurement process.	CarrefourSA commits to upholding the access to clean water as a fundamental human right and providing a healthy working environment in its water policy. The control of drinking water quality ensures that employees have access to clean and safe drinking water. Any detrimental impact on the water utilization of CarrefourSA's employees represents a risk in terms of operations and reputation. Therefore, this parameter is regularly and continuously monitored.
Water discharges – total volumes	100%	Monthly	Each facility records the total volume of water discharges monthly by documenting the information from invoices into the SAP system. The monetary amount billed by the service providers for the water discharge is divided by the unit price of the water. The unit price of water has been accepted as the 12th-month workplace unit water price of Istanbul Water and Sewerage Administration (ISKI) for 2022. This parameter has been	CarrefourSA’s operations include its warehouses, distribution companies, stores, and head office. According to company’s calculation methodology, the quantity of discharged water corresponds directly to the amount of water withdrawn from the municipal water source. In line with its water targets, which aim to reduce water withdrawal, optimize usage, and increase water efficiency, CarrefourSA monitors all direct water use in its

			verified by accredited third parties according to the ISAE 3000 standard.	operations monthly, and the total volume of water withdrawals is reported annually at the Group level.
Water discharges – volumes by destination	100%	Monthly	Each operation releases its wastewater into the local municipal sewer system, with only third-party destinations being directly connected to CarrefourSA. The municipalities handle the treatment in accordance with legal obligations. The discharge volumes are billed by the municipal authorities on a monthly basis for each city, and each facility records the total monthly volume of water discharges by documenting the information from invoices into the SAP system.	CarrefourSA tracks the volume of water discharges based on their sources to assess the company's environmental impacts and ensure compliance with legal requirements. Furthermore, monitoring water discharge volumes by sources assists in evaluating the company's water usage.
Water discharges – volumes by treatment method	100%	Quarterly	CarrefourSA tracks the volume of water discharges based on their sources to assess the company's environmental impacts and ensure compliance with legal requirements. Furthermore, monitoring water discharge volumes by sources assists in evaluating the company's water usage.	As a company committed to environmental responsibility and adopting an eco-friendly approach, CarrefourSA tracks the volumes of wastewater by treatment method, despite only having domestic water usage. Monitoring this parameter is important to ensure compliance with environmental regulations and legal requirements. Therefore, it is monitored quarterly.

Water discharge quality – by standard effluent parameters	100%	Quarterly	CarrefourSA directly releases its wastewater into the municipal sewage system. During the discharge process from treatment plants, it is essential that the wastewater parameters comply with the Regulation on Water Pollution Control and the Communique on Wastewater Treatment Plants Technical Procedures. This compliance can be monitored through monthly reports available on municipalities' websites, which are accessible to the public. CarrefourSA diligently follows these reports quarterly.	As a company committed to environmental responsibility and adopting an eco-friendly approach, CarrefourSA tracks the quality of wastewater, despite only having domestic water usage. Monitoring this parameter is important to ensure compliance with environmental regulations and legal requirements. Therefore, it is monitored quarterly.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	Not relevant			CarrefourSA does not engage in any production activity in direct operations and utilizes only domestic water. The Company produces no emissions to water resources. For this reason, this parameter will continue to be irrelevant in the coming years
Water discharge quality – temperature	100%	Quarterly	CarrefourSA directly releases its wastewater into the municipal sewage system. The wastewater must meet the requirements outlined in the Regulation on Water Pollution Control and the Communique on Wastewater Treatment Plants Technical Procedures. Temperature is a crucial factor in	As a company committed to environmental responsibility and adopting an eco-friendly approach, CarrefourSA monitors the quality of wastewater, despite only having domestic water usage. Monitoring this parameter is important to ensure compliance with environmental regulations and legal

			wastewater discharge. CarrefourSA ensures compliance by regularly reviewing monthly reports published on municipalities' websites, which are accessible to the public. The company conducts this monitoring quarterly.	requirements. Therefore, it is monitored quarterly.
Water consumption – total volume	100%	Monthly	The measurement methodology is based on the utilization of meters and invoices. Each facility of CarrefourSA records the total volume of water consumption monthly by documenting the information from invoices into the SAP system.	CarrefourSA's operations encompass its warehouses, distribution companies, stores, and head office. The company regards the volume of water consumption as equivalent to the amount of bottled water purchased in dispenser sizes. Consequently, water consumption is only allocated for drinking purposes. However, the company highly prioritizes monitoring water usage according to its source. This proactive approach allows effective tracking and management of water resources throughout its operations.
Water recycled/reused	Not relevant			CarrefourSA sources its operational water from the municipal supply while drinking water is procured from local suppliers. Currently, recycled water is not utilized in its operations. This decision is driven by CarrefourSA's commitment to maintaining water quality, which directly impacts both customers and the environment. As a company in the retail sector, CarrefourSA

				does not engage in water production. However, given its operations in water-stressed areas, CarrefourSA is actively exploring alternative solutions, including water recycling, to address this challenge. Therefore, this parameter may become relevant in the future.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Continuously	CarrefourSA regularly evaluates its WASH infrastructure, conducts water quality tests, collects feedback from employees, and performs periodic audits to ensure adherence to established standards.	CarrefourSA commits to upholding access to clean water as a fundamental human right and providing a healthy working environment in its water policy. Continuous monitoring of WASH services is essential for CarrefourSA to fulfill its corporate social responsibility. Moreover, by emphasizing the health and well-being of its employees, adhering to sustainability principles enhances its reputation. Therefore, this parameter is regularly and continuously monitored.

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	385.49	About the same	Facility expansion	About the same	Increase/decrease in efficiency	According to CarrefourSA's calculation methodology, the total water withdrawal is determined by combining the water sourced from the municipal water system and the drinking water supplied by local suppliers. In 2021, the total water withdrawals were recorded as 350.40 megaliters, whereas in 2022, it increased to 385.49 megaliters. This comparison reveals a 10% change in the water withdrawal volume. Description for ‘’comparison with previous reporting year” and “five-year forecast” thresholds: - If it is less than or equal to 10%: it is considered to be about the same. - If it is between 11% and 20%: it is categorized as higher or lower. - If it is equal to or greater than 20%: it is considered to be much higher or much lower. CarrefourSA considers a 10% change to be about the same based on this threshold range. The reason for this change is the increase in the number of stores. As part of the company's strategic growth plan, there is a target to increase the sales area by 10% annually. While the expansion of the stores will lead to an increase in water usage, it is committed to implementing water efficiency practices to align with its water

						withdrawal reduction goals. As a result, it is projected that through the implementation of efficiency initiatives accompanying the growth, the volume value will be about the same or increase at a similar rate.
Total discharges	383	About the same	Facility expansion	About the same	Increase/decrease in efficiency	The entire wastewater is released into sewer systems under the management of municipalities. According to CarrefourSA's calculation methodology, the quantity of discharged water corresponds directly to the amount of water withdrawn from the municipal water source. In 2021, the total water discharges were recorded as 348.03 megaliters, whereas in 2022, it increased to 383 megaliters. This comparison reveals a 9% change in the water discharge volume. Description for ‘’comparison with previous reporting year” and “five-year forecast” thresholds: - If it is less than or equal to 10%: it is considered to be about the same. - If it is between 11% and 20%: it is categorized as higher or lower. - If it is equal to or greater than 20%: it is considered to be much higher or much lower. CarrefourSA considers a 9% change to be about the same based on this threshold range. The reason for this change is the increase in the

						number of stores As part of the company's strategic growth plan, there is a target to increase the sales area by 10% annually. While the expansion of the stores will lead to an increase in water usage, it is committed to implementing water efficiency practices to align with its water withdrawal reduction goals. As a result, it is projected that through the implementation of efficiency initiatives accompanying the growth, the volume value will be about the same or increase at a similar rate.
Total consumption	2.49	About the same	Other, please specify Increase in the number of employees	Higher	Other, please specify Increase in the number of employees	According to CarrefourSA's calculation methodology the volume of water consumption is equated to the quantity of dispenser-sized bottled water purchased by the company. In 2021, the total water consumption volume was 2.37 megaliters, whereas in 2022, it increased to 2.49 megaliters. This comparison reveals a 5% change in the water consumption volume. Description for ‘’comparison with previous reporting year” and “five-year forecast” thresholds: - If it is less than or equal to 10%: it is considered to be about the same. - If it is between 11% and 20%: it is categorized as higher or lower. - If it is equal to or greater than 20%: it is considered to be much higher or much lower.

						CarrefourSA considers a 5% change to be about the same based on this threshold range. The reason for this change is the increase in the number of employees due to the growth in the number of stores. As part of the company's strategic growth plan, there is a target to increase the sales area by 10% annually. As a result, this also means an increase in the number of employees each year. Considering the importance of ensuring employees' access to clean water and providing a healthy working environment, it is anticipated that the water consumption data will increase over the next five years.

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	76-99	About the same	Facility expansion	About the same	Increase/decrease in efficiency	WRI Aqueduct	CarrefourSA utilizes the WRI Aqueduct Tool to evaluate water-related risks by conducting analyses that align with the local basin

								breakdown in Türkiye. This assessment considers various parameters such as the degree of water stress risk and water pollution, while also providing future scenario analysis. The water stress risk assessments are conducted annually, wherein the Tool is employed to input the latitude and longitude of each facility's location, enabling classification based on the level of risk. According to the findings, water withdrawn from extremely high-risk regions accounts for 72% of the total volume withdrawn, while water withdrawn from high-risk areas counts for 17%. In 2022, the proportion of total water volume withdrawn from water-stressed areas was 90%. This figure was 92% in 2021. Although CarrefourSA has increased the number of stores in almost every city where it operates, the expansion in areas with low water stress risk has reduced the overall proportion of high-risk areas.

								Description for ‘’comparison with previous reporting year” and “five-year forecast” thresholds: - If it is less than or equal to 10%: it is considered to be about the same. - If it is between 11% and 20%: it is categorized as higher or lower. - If it is equal to or greater than 20%: it is considered to be much higher or much lower. CarrefourSA considers a 2% change to be about the same based on this threshold range. As part of the company's strategic growth plan, there is a target to increase the sales area by 10% annually. While the expansion of the stores will lead to an increase in water usage, it is committed to implementing water efficiency practices to align with its water withdrawal reduction goals. As a result, it is projected that through the implementation of efficiency initiatives accompanying the growth, the volume value will be about the

								same or increase at a similar rate.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant				The water used in CarrefourSA's operations is obtained from municipal water and drinking water comes from local suppliers as third-party sources for all operations.
Brackish surface water/Seawater	Not relevant				The water used in CarrefourSA's operations is obtained from municipal water and drinking water comes from local suppliers as third-party sources for all operations.
Groundwater – renewable	Not relevant				The water used in CarrefourSA's operations is obtained from municipal water and drinking water comes from local suppliers as third-party sources for all operations.
Groundwater – non-renewable	Not relevant				The water used in CarrefourSA's operations is obtained from municipal water and drinking water comes from local suppliers as third-party sources for all operations.
Produced/Entrained water	Not relevant				The water used in CarrefourSA's operations is obtained from municipal water and drinking water comes from local suppliers as third-party sources for all operations.

Third party sources	Relevant	385.49	About the same	Facility expansion	The total amount of water withdrawn is calculated by combining the water obtained from the municipal water system with the drinking water provided by local suppliers.In 2021, the total water withdrawals were 350.40 megaliters, whereas in 2022, it increased to 385.49 megaliters. This comparison reveals a 10% change. Description for comparison thresholds: - If it is less than or equal to 10%: it is about the same. - If it is between 11% and 20%: it is categorized as higher or lower. - If it is equal to or greater than 20%: it is much higher or much lower. CarrefourSA considers a 10% change to be about the same. The reason for this change is the increase in the number of stores. There is a target to increase the sales area by 10% annually. Although the expansion of the stores will lead to an increase in water usage, it is projected that through the implementation of efficiency initiatives accompanying the growth, the volume value will be about the same or increase at a similar rate.

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Not relevant				Each of the CarrefourSA branches discharges its wastewater into the sewer system of the municipality of their region. Since the source of treatment is done by municipalities in accordance with legal requirements, only third-party destinations are directly related to CarrefourSA.
Brackish surface water/seawater	Not relevant				Each of the CarrefourSA branches discharges its wastewater into the sewer system of the municipality of their region. Since the source of treatment is done by municipalities in accordance with legal requirements, only third-party destinations are directly related to CarrefourSA.
Groundwater	Not relevant				Each of the CarrefourSA branches discharges its wastewater into the sewer system of the municipality of their region. Since the source of treatment is done by municipalities in accordance with legal requirements, only third-party destinations are directly related to CarrefourSA.
Third-party destinations	Relevant	383	About the same	Facility expansion	The reported amount of discharge volume was obtained from the purchase records. The monetary amount billed by the service providers for the water discharge indicator is divided by the unit price of the water. The unit price of water has been accepted as the 12th-month workplace unit water price of Istanbul Water and Sewerage Administration (ISKI) for 2022. In 2021, the discharge volume was 348.03 megaliters, which

					increased to 383.00 megaliters in 2022, reflecting a 9% increase compared to the previous year. This change is attributed to the inclusion of new branches in our operations. CarrefourSA categorizes changes between 11% and 20% as high or low, so the 9% increase is considered to be about the same. Despite the company's goal of achieving a 10% annual increase in sales area, it is anticipated that the implementation of efficiency initiatives alongside this growth will result in the volume value remaining steady or experiencing a similar rate of increase.

W1.2j

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

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Not relevant					There is no pre-treatment process at CarrefourSA as CarrefourSA only uses domestic water. Wastewater from the buildings discharges into sewer systems. The municipality in the operating region is in charge of the entire treatment process.

Secondary treatment	Not relevant					There is no pre-treatment process at CarrefourSA as CarrefourSA only uses domestic water. Wastewater from the buildings discharges into sewer systems. The municipality in the operating region is in charge of the entire treatment process.
Primary treatment only	Not relevant					There is no pre-treatment process at CarrefourSA as CarrefourSA only uses domestic water. Wastewater from the buildings discharges into sewer systems. The municipality in the operating region is in charge of the entire treatment process.
Discharge to the natural environment without treatment	Not relevant					There is no pre-treatment process at CarrefourSA as CarrefourSA only uses domestic water. Wastewater from the buildings discharges into sewer systems. The municipality in the operating region is in charge of the entire treatment process.
Discharge to a third party without treatment	Relevant	383	About the same	Facility expansion	100%	CarrefourSA only uses domestic water. Wastewater from the buildings discharges into sewer systems under the control of local municipalities. Local Municipalities have water treatment plants for municipal

						wastewater. Wastewater methods treated in accordance with the Urban Wastewater Treatment Regulation are available online on municipal and government websites. In this way, CarrefourSA can follow the tretment methods for all its business units.
Other	Not relevant					There is no other treatment process as CarrefourSA only uses domestic water. Wastewater from the buildings discharges into sewer systems. The municipality in the operating region is in charge of the entire treatment process.

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	19,198,331,620	385.49	49,802,411.5281849	CarrefourSA's strategic objective is to expand its branches throughout Turkiye, with a target of achieving a 10% annual growth in sales area. Consequently, there will be an associated rise in the total water withdrawal volume necessary to sustain these operations. Nonetheless, the company foresees that the positive impact of these branches on revenue, combined with increased implementation of water efficiency practices in stores, will contribute to an improvement in water efficiency.

W1.4

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

	Products contain hazardous substances	Comment
Row 1	No	CarrefourSA utilizes water for household purposes. In compliance with the Wastewater Control Regulation, the company does not use substances that may cause any harmful effects on water resources.

W1.5

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

	Engagement
Suppliers	Yes
Other value chain partners (e.g., customers)	Yes

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)
Supplier dependence on water
Supplier impacts on water availability

Supplier impacts on water quality

Number of suppliers identified as having a substantive impact

7

% of total suppliers identified as having a substantive impact

1-25

Please explain

CarrefourSA primarily evaluates the water management practices of its private-label product suppliers. As the company sources its private label products from 57 suppliers, it classifies those suppliers with an annual water usage of 1000 m3 or more as significant impact suppliers, totaling 7 in number. Two out of the seven suppliers operate in regions with an extremely high water stress risk level, while four operate in regions with a high level, and one operates in a region with a medium-high level of water stress. These suppliers, with relatively higher water usage compared to others, are given priority in CarrefourSA's risk assessments. This is because any disruption in their production due to water scarcity can result in difficulties in the supply of various products, ranging from cleaning materials to drinking water. Therefore, CarrefourSA assesses the watershed status, water dependency, and the impact on water availability and quality in the regions where these suppliers operate.

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
Row 1	Yes, water-related requirements are included in our supplier contracts

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

Providing fully-functioning, safely managed WASH services to all workers

% 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

100%

Mechanisms for monitoring compliance with this water-related requirement

On-site third-party audit

Supplier scorecard or rating

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

Retain and engage

Comment

CarrefourSA primarily evaluates the water management practices of its private-label product suppliers. In the social compliance audits conducted on these suppliers, the evaluation under the Occupational Health and Safety category focuses on ensuring that the suppliers provide fully-functioning, safely managed WASH services to their workers. This includes assessing evidence of uninterrupted access to drinking water, the availability of reports related to water suitability checks, the provision of clean and culturally appropriate washing areas, changing rooms, and toilets, gender segregation of facilities, the presence of cleanliness and monitoring records, sufficient water flow in all toilets, and the availability of soap, paper towels, and functioning locks in all toilets. An on-site third-party audit is conducted as deemed necessary based on the supplier's scorecard. In the event of any non-compliance, CarrefourSA engages with the supplier to take the necessary actions.

Water-related requirement

Complying with going beyond water-related regulatory requirements

% 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

100%

Mechanisms for monitoring compliance with this water-related requirement

Certification
Fines and penalties
On-site third-party audit
Supplier scorecard or rating

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

Retain and engage

Comment

CarrefourSA is dedicated to ensuring compliance with local laws and promoting the quality and sustainability of water resources throughout its value chain. The company monitors the social and environmental compliance of its suppliers, and encourages responsible practices throughout the value chain. Company shares the rules, principles, commercial contracts, and CarrefourSA Quality Protocols that suppliers must adhere to through its responsible sourcing approach. During social compliance audits, CarrefourSA engages with suppliers to assess their adherence to specific criteria. These criteria include evaluating whether the suppliers have incorporated local environmental laws into their business models, verifying the possession of required environmental permits and licenses, examining their water management practices to ensure the preservation of local water resources, and determining whether they hold an ISO 14001:2015 certification.

W1.5d

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

Type of engagement

Information collection

Details of engagement

Collect water management information at least annually from suppliers
Collect water quantity information at least annually from suppliers (e.g., withdrawal and discharge volumes)
Collect water quality information at least annually from suppliers (e.g., discharge quality, pollution incidents, hazardous substances)
Collect WASH information at least annually from suppliers

% of suppliers by number

51-75

% of suppliers with a substantive impact

100%

Rationale for your engagement

CarrefourSA recognizes that its value chain's starting point, and therefore its most crucial aspect, is the supply chain. The company is aware that for its own sustainability, the supply chain must also be sustainable. To achieve this, CarrefourSA is dedicated to evaluating existing risks in the supply chain, monitoring its suppliers' social and environmental compliance, and promoting responsible practices throughout the value chain.

Water plays a vital role in both the direct and indirect activities of CarrefourSA, particularly in the supply of vegetable and fruit products. Additionally, water usage is involved in the production processes of their private-label products. As part of its sustainability efforts and risk assessment process, the company examines water-related issues in its private-label suppliers, monitoring their water usage volumes, water quality analysis reports, and water management practices on an annual basis.

Furthermore, CarrefourSA's commitment to human rights applies to all stakeholders, including the supply chain. However, the company holds itself to a higher responsibility, especially concerning its suppliers who produce goods under its own brand. As a result, the Company conducts social compliance studies and audits encompassing various aspects such as social management systems, legal rights and compliance, working conditions, prevention of forced and compulsory labor, anti-discrimination measures, worker inclusion in processes, improvement of health and safety practices, and environmental impact management. Within the scope of social compliance, CarrefourSA requests information from its suppliers annually to ensure that they provide their workers with full and secure WASH (Water, Sanitation, and Hygiene) services.

By monitoring water usage in the supply chain and fostering social and environmental compliance among its suppliers, CarrefourSA continues its efforts to achieve sustainability goals. In doing so, the company not only fulfills its own sustainability objectives but also takes on a leadership role in promoting sustainability throughout its supply chain.
CarrefourSA aims to extend these engagements to not only private-label suppliers but to all suppliers in the upcoming years.

Impact of the engagement and measures of success

i) Beneficial water-related outcomes of engagement activities:
By monitoring and evaluating water usage in the supply chain, CarrefourSA can identify areas of high consumption and work with suppliers to implement water-saving measures. This can help conserve water resources and reduce overall water consumption, contributing to sustainable water management.
In addition, engaging with suppliers allows CarrefourSA to assess the potential risks associated with water scarcity or water-related disruptions in the supply chain. By identifying vulnerable areas and collaborating with suppliers on risk mitigation strategies, the Company can minimize the impact of water-related risks on its operations.
Moreover, engaging with suppliers on water management fosters collaboration and knowledge sharing. Through these interactions, CarrefourSA can exchange best practices, innovative solutions,and leading to continuous improvement in water management across the supply chain.

ii) Metrics used to measure the success of supplier engagement: The complete sharing of water usage volumes, water quality analysis reports, water management systems, and WASH practices on an annual basis by all private-label suppliers of CarrefourSA, totaling 57 suppliers, and their progress in water usage improvements from year to year demonstrate the success of this engagement.

Comment

As CarrefourSA has direct control over its private-label suppliers and can engage with them, the interactions described here apply to a total of 57 suppliers, which are stated as 51-75%. 7 of these suppliers, accounting for 12% of the private-label suppliers, are considered significant impact suppliers. Since all of Carrefoursa's suppliers with a substantive impact are engaged in this interaction, % of suppliers with a substantive impact has been marked as 100%.

W1.5e

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

Type of stakeholder

Other, please specify

Educational institutions and research institutes

Type of engagement

Innovation & collaboration

Details of engagement

Encourage stakeholders to work collaboratively with other users in their river basins toward sustainable water management

Rationale for your engagement

CarrefourSA presents its commitments in its Water Policy, guided by the Sustainable Development Goals, to ensure the quality and sustainability of water resources and broader ecosystems related to water. Freshwater ecosystems are important habitats where numerous plant, animal, and microbial species reside. Preserving these ecosystems is of critical importance for maintaining biological diversity. Additionally, these water sources are used for various purposes such as drinking water, irrigation, and industrial water. Therefore, conserving these waters plays a significant role in water treatment and recharge. In line with this, the company collaborates with civil society organizations and associations. One of these initiatives is a project supported by CarrefourSA in collaboration with Istanbul University, the Food Safety Association, TUBITAK, and the retail sector, in response to the mucilage incident that occurred in the Marmara Sea in 2021. Within the scope of this project, monitoring will be carried out throughout the season for the water products to be sold, assessing potential microbiological and chemical risks. The findings will be shared with the public simultaneously through Istanbul University and the Food Safety Association, which supports the project. Thus, the data obtained will be the first of its kind in determining the effects following the most significant mucilage incident in the country's waters.

Impact of the engagement and measures of success

The beneficial outcomes of the participation activity related to water are as follows: The data obtained through this project will be a first in determining the effects following the most significant occurrence of mucilage in the country's waters. Considering the current uncontrollable issues of excessive urbanization, population growth, associated environmental pollution, and climate change, it is anticipated that mucilage incidents may occur in the future globally and in our country. The ability of this project to provide answers regarding the consumption of aquatic products in these regions resulting from mucilage incidents will have long-term national and international implications. This demonstrates the unique value of the project and its continuing significance.

Success Criterion:
The areas where fish farms are located are monitored by the Ministry of Environment, Urbanization, and Climate Change in terms of environmental pollution and impact on ecological balance. If any negative findings are detected during monitoring, measures can be taken, including the potential closure of the farm. In previous monitoring efforts, the fish farms operated by CarrefourSA have not encountered any negative results.

W2. Business impacts

W2.1

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

Yes

W2.1a

(W2.1a) Describe the water-related detrimental impacts experienced by your organization, your response, and the total financial impact.

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Type of impact driver & Primary impact driver

Acute physical

Heavy precipitation (rain, hail, snow/ice)

Primary impact

Impact on company assets

Description of impact

Heavy rain precipitation in Istanbul in 2022 damaged the roof of CarrefourSA's warehouse in Esenyurt. 6.3 tons of walnut products were ruined as a result of this damage. The cost of roof repair was 50,000.00 TRY, and the cost of damaged walnuts was 291,584.00 TRY. This impact was not counted as a significant loss as it corresponds to 0.0018% of CarrefourSA's revenue.

Primary response

Improve maintenance of infrastructure

Total financial impact

341,584

Description of response

The cost of roof repair was 50,000.00 TL, and the cost of damaged walnuts was 291,584.00 TRY. The roof repair was covered by the company that we are the tenant of. This impact was not counted as a significant loss as it corresponds to 0.0018% of CarrefourSA's revenue. However, as a result of this accident, qualitative and quantitative comments were written during the risk assessment process.

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	Comment
Row 1	No	N/A

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
Row 1	Yes, we identify and classify our potential water pollutants	Details of the policies, processes, established standards followed by CarrefourSA: CarrefourSA's direct operations only generate oil waste as a water pollutant in stores with restaurants. As part of the Environmental Management Standard, the company adopts the Waste Management Hierarchy, aiming to prevent waste generation through preventive actions and revisions, and if prevention is not possible, to minimize waste. In line with this, CarrefourSA collects waste oil in containers and provides it as raw material to a contracted biodiesel company. Additionally, CarrefourSA evaluates the water pollution impact of its supply chain and conducts regular inspections, especially regarding pesticide use. Pesticide non-compliances are evaluated as part of the general laboratory analyses since they are regulated. The Water Pollution Control Regulation and the Turkish Food Codex Pesticide Maximum Residue Limits Regulation are national regulations that are taken into account in pollution and quality control processes. Details regarding the evaluation processes are included in the company's quality control procedures, and the Quality Assurance department is responsible for overseeing this process. Description of the metrics: In wastewater analyses of stores, especially those with restaurants, in addition to

		parameters such as pH and suspended solids, the oil metric (mg/L) is monitored. On the supply chain side, compliance with the maximum residue limit for pesticide use (mg/kg) is required

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

Pesticides

Description of water pollutant and potential impacts

Pesticides pose a significant threat to water resources and can have detrimental effects on both humans and aquatic life. When pesticides enter water sources, they can contaminate drinking water supplies, leading to health risks such as birth defects and cancer. Aquatic animals are also severely impacted as these chemicals can alter their behavior, development, and reproduction. Additionally, pesticides can indirectly affect aquatic life by depleting their food sources and altering the water chemistry. The long-term presence of pesticides in the environment can result in bioaccumulation, where the chemicals accumulate in organisms' tissues.

In addition, CarrefourSA's failure to comply with regulations regarding pesticide use and violation of environmental protection standards can lead to legal issues, damage the company's reputation, and result in a loss of customer trust.

To mitigate these risks, it is crucial to adopt proper disposal methods, regulate pesticide use, and promote the adoption of alternative approaches to minimize pesticide exposure in water.

Value chain stage

Supply chain

Actions and procedures to minimize adverse impacts

Requirement for suppliers to comply with regulatory requirements

Please explain

ii) Procedures selected manage the risks of the potential impacts: In pesticide analyses of conventional products, if non-compliance is detected according to the criteria specified in the "Turkish Food Codex Maximum Residue Limits of Pesticides Regulation," the product analysis report is communicated to the supplier company. The supplier is requested to provide an explanation and take necessary actions, and the product is re-analyzed in a different batch. If non-compliance persists in the re-analysis, the product is removed from the shelves and sales are halted until the product meets the required standards again.
For organic products, in the event of non-compliance with pesticide analysis results, the supplier company is immediately informed. The product is promptly removed from the shelves and sales are suspended. Sales are only allowed to resume once the product meets the required standards again.

iii) How success is measured and evaluated: One of the primary success criteria is that all pesticide analyses conducted on products at regular intervals must comply with regulations. If any non-compliance occurs, another success criterion is that the supplier must pass the second analysis and maintain agreements with all suppliers throughout the year without any disruptions. The fact that CarrefourSA has never had any supplier contract termination regarding this issue so far is evidence of the success of the engagement.

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
Other stages of the value chain

Coverage
Full

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

Frequency of assessment
More than once a year

How far into the future are risks considered?
More than 6 years

Type of tools and methods used
Tools on the market
Enterprise risk management

Tools and methods used
WRI Aqueduct
COSO Enterprise Risk Management Framework

Contextual issues considered
Water availability at a basin/catchment level
Water quality at a basin/catchment level
Stakeholder conflicts concerning water resources at a basin/catchment level
Impact on human health
Water regulatory frameworks
Status of ecosystems and habitats
Access to fully-functioning, safely managed WASH services for all employees

Stakeholders considered

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

Comment

N/A

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	CarrefourSA employs the WRI Aqueduct Tool on a routine basis to effectively oversee water-related hazards, including water scarcity, basin water levels, and water quality parameters across all operational divisions and supply chain regions. Moreover, the company has	1. CarrefourSA relies significantly on water resources for its operations, particularly in the supply of vegetable and fruit products. The inadequate availability and compromised quality of water within the basin pose operational and financial risks to all business units.	1. The potential loss of customers, employees, or investors as a consequence of any of the contextual issues poses both operational and reputational risks for CarrefourSA, leading to financial losses.	By evaluating risk-reducing factors in the system, process, and human categories, a single "risk reduction value" emerges as a result of risk assessment. Considering the effect of these factors, a residual risk level assessment is made. One-on-one interviews and survey methods are

	implemented the COSO Enterprise Risk Management Framework approach within its Enterprise Risk Management methodology. This framework allows for comprehensive evaluation of both direct and indirect risks through annual risk assessment surveys conducted at an organizational level. The Risk Manager consistently utilizes these two tools to diligently monitor potential risks that the company may encounter. The risk assessment procedure comprises four distinct stages. Firstly, during the risk identification phase, the primary business processes are identified, encompassing potential sources of risk such as water quality, water availability, disruptions in the supply chain, and climate-related events like floods or droughts. While CarrefourSA heavily relies on quantitative analyses, it also employs qualitative analyses to evaluate water quality. When	2. The risk assessment takes into consideration any potential conflicts among stakeholders, as such conflicts have the potential to cause disruptions within the supply chain, leading to financial losses. 3. Non-compliance with water-related regulations carries the risk of causing both financial and reputational loss for CarrefourSA. 4. Engagement in activities that could potentially harm the ecosystem and its habitat by CarrefourSA may result in significant financial losses, as it entails both regulatory and reputational risks. 5. Any detrimental impact on the water utilization of both CarrefourSA's employees and the local population residing in the regions of its operations represents a dual risk in terms of operations and reputation. Consequently, CarrefourSA embraces SDG 6 and	2. Among the various stakeholders within the supply chain, food suppliers are the most vulnerable to water-related risks. Any potential disruptions or failure to comply with regulations in this regard will result in significant financial losses. 3. As a WASH service, CarrefourSA receives local water services in its operations to supply drinking water to its employees and to treat wastewater. Water-related disruptions in local service will also cause WASH not to be provided. This carries operational risk. 4. In its sustainability and water policy approach, CarrefourSA is committed to ensuring that human rights are not violated in its activities and that the right of local communities to access clean water. NGO-s have a significant impact on local people. Their expertise is considered in risk management to find alternative solutions to issues related to the supply chain and	among the methods followed in determining the risks. In addition, existing company information (analysis reports, market and sector information etc.) is reviewed in order not to ignore potential risks. Then, necessary action plans are created to manage risks that exceed the risk limit determined in line with the company objectives and are considered “Critical” by the Management. In addition, a Risk Management Report is prepared every 2 months in line with the data entered in the Risk Inventory Portal. The Company Risk Inventory is systematically reviewed once a year and dynamically, without any time limit, by adding the risks that are communicated, evaluated and accepted at the Executive Board level to the risk inventory. New risk demands, risks in need of revision and risk parameters (risk-related parameters such as risk scores, risk indicators, threshold values) or risks that need to be removed from the

	evaluating natural risks, factors such as the frequency or probability of occurrence, potential impacts upon realization, and the extent of resulting damages are carefully considered, leading to the categorization and grading of risks. The level of risk is determined using the formula "Risk Level = Impact x Probability".	the principles of Water, Sanitation, and Hygiene (WASH), ensuring that relevant matters are encompassed within its risk assessment framework. 6. CarrefourSA adopts a conscientious and sustainable approach to its operations, specifically concerning pesticides and other chemicals that wield significant influence on human health within the supply chain, given their direct impact on human well-being.	operations. 5. Turkiye is a country with a high degree of water stress. Therefore, it is anticipated that water use restrictions will be implemented in the future, which may cause conflicts among other water users at a basin level. While this is a long-term risk, it is an occasional topic of discussion in CarrefourSA's risk assessments	inventory are approved by the Executive Board and the General Manager, and necessary updates are made on the Risk Inventory Portal.

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, both in direct operations and the rest of our value chain

W4.1a

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

CarrefourSA aims to conduct business by creating added value for all its stakeholders and to ensure sustainability in this way. The company conducts risk-opportunity analyses to ensure the continuity of the business. CarrefourSA is aware that the climate crisis will have fatal impacts on the planet. It not only acts against this crisis but also aims to manage the effects of climate change on a company basis, with environmental, social, and economic analyses. In this context, it separates the effects of risks and opportunities on the company according to the degree of importance. The substantive financial impact is the effect that is considered significantly important for CarrefourSA.

Definition of substantive financial or strategic impact: Any event that results in a loss in turnover is examined as a financial impact. CarrefourSA has defined the substantial financial impact as an impact of a magnitude of at least 0.5% of the financial loss of annual turnover. 0.5% loss in turnover marks the “substantive” definition.

Quantifiable indicators used to define substantive financial impact: The quantifiable indicator that is used to assess this impact is a loss in turnover. For 2022, financial loss (substantive financial impact) of 0.5% equals 95,991,658.10 TRY.

CarrefourSA has defined the impact value and impact scale in the PR-ID-002 Risk Management Procedure. “Impact assessment” reflects the impact that the event defined as a risk will have for CarrefourSA if it occurs. In the evaluation of risks, the impact of each event, both alone and in combination with other events defined as risks, is taken into consideration. The degrees of evaluation in the impact scale are as follows; critical, high, medium, and low. While evaluating the impact of risk existing/planned measures or control mechanisms are not considered. The risk that may arise due to the nature of the work is considered. A risk may impact a single category, or it is likely to impact more than one category. In this case, an evaluation is made by considering the category in which the risk is more effective.

Other substantive financial impact risks and their quantifiable indicators in addition to the risk of financial loss in the annual turnover are;

- Risks such as news that constantly negatively affect the opinion of the public/shareholders, and disclosure of confidential information that can be used against the company, are always considered reputational risks, as they may cause a significant decrease in the company's share or market value.
- Possible decreases in customer satisfaction and as a result, at least 2.5% customer loss is considered in the risk assessment.
- Violations or lawsuits that require a fine of 0.5% and/or more of the budgeted revenue are considered regulatory and legal risks.
- The death or permanent disability of one or more people, and the release of chemicals or wastes harmful to the environment and health are evaluated under environmental risks.

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	28	1-25	90% of CarrefourSA's business units are situated in regions characterized by high and extremely high water stress levels. However, only 28 of these facilities, located in areas with extreme and high water stress, have the potential to create a substantive financial impact in the event of any water-related risks. These 28 facilities account for approximately 3% of the company's overall facilities.

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

Turkey

Other, please specify

Sea of Marmara Coast

Number of facilities exposed to water risk

10

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

11-20

Comment

10 of the 28 facilities which have a strategic impact on revenue are located in European Side of Istanbul. These facilities constitute 11% of the total revenue and 1% of the total facilities.

Country/Area & River basin

Turkey

Other, please specify

Kocaeli

Number of facilities exposed to water risk

7

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

1-10

Comment

7 of the 28 facilities which have a strategic impact on revenue are located in Asian Side of Istanbul. These facilities constitute 7% of the total revenue and 1% of the total facilities.

Country/Area & River basin

Turkey

Other, please specify

Mediterranean Sea, East coast

Number of facilities exposed to water risk

3

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

1-10

Comment

3 of the 28 facilities which have a strategic impact on revenue are located in Antalya and Muğla. These facilities constitute 3% of the total revenue and 0.3% of the total facilities.

Country/Area & River basin

Turkey

Other, please specify

Gediz

Number of facilities exposed to water risk

2

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

1-10

Comment

2 of the 28 facilities which have a strategic impact on revenue are located in Izmir. These facilities constitute 2% of the total revenue and 0.2% of the total facilities.

Country/Area & River basin

Turkey

Other, please specify

Goksu

Number of facilities exposed to water risk

2

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

1-10

Comment

2 of the 28 facilities which has a strategic impact on revenue are located in Mersin. This facility constitutes 2% of the total revenue and 0.1% of the total facilities.

Country/Area & River basin

Turkey

Other, please specify

Black Sea, South Coast

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

1-10

Comment

1 of the 28 facilities which has a strategic impact on revenue are located in Bursa. This facility constitutes 1% of the total revenue and 0.1% of the total facilities.

Country/Area & River basin

Turkey

Other, please specify

Seyhan

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

1-10

Comment

1 of the 28 facilities which has a strategic impact on revenue are located in Adana. This facility constitutes 1% of the total revenue and 0.1% of the total facilities.

Country/Area & River basin

Turkey

Other, please specify

Buyuk Menderes

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

1-10

Comment

1 of the 28 facilities which has a strategic impact on revenue are located in Denizli. This facility constitutes 1% of the total revenue and 0.1% of the total facilities.

Country/Area & River basin

Turkey

Other, please specify

Sakarya River

Number of facilities exposed to water risk

1

% company-wide facilities this represents

Less than 1%

% company's total global revenue that could be affected

1-10

Comment

1 of the 28 facilities which has a strategic impact on revenue are located in Eskisehir. This facility constitutes 1% of the total revenue and 0.1% of the total facilities.

W4.2

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

Country/Area & River basin

Turkey

Other, please specify

Gediz

Type of risk & Primary risk driver

Regulatory

Mandatory water efficiency, conservation, recycling or process standards

Primary potential impact

Fines, penalties or enforcement orders

Company-specific description

CarrefourSA, as a retail company operating in the sector, generally has a limited impact on water pollution through its direct operations. However, some of its stores include restaurants, where waste vegetable oil is generated. Discharging this wastewater into the environment without proper treatment can lead to water pollution. It is worth noting that 1 liter of waste oil can contaminate 1 million liters of drinking water.

In compliance with the Environmental Law and the Regulation on the Control of Waste Vegetable Oils and Waste Management, it is mandatory

for CarrefourSA to collect waste vegetable oils separately from other waste streams in its stores and send them to recycling or disposal facilities. Failure to comply with this law can result in fines, exposing the company to reputational and regulatory risks.

In 2022, this waste management practice was implemented in 55 stores, 16 of which are considered to have strategic impact. Among these 16 stores, Hilltown Karsiyaka Hyper, located in the Gediz River basin with high water stress, stands out as the store generating the highest amount of waste oil, reaching 1,966 liters. As a result, this store carries the highest financial risk in relation to waste oil management.

Timeframe

Current up to one year

Magnitude of potential impact

Medium

Likelihood

Virtually certain

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

811,080

Potential financial impact figure - maximum (currency)

5,743,696

Explanation of financial impact

The violation of water pollution regulations through the improper disposal of waste vegetable oils incurs a fine of 131,516 TRY. Similarly, any leakage or spillage of oil from the collection containers attracts an administrative penalty of 131,516 TRY for soil pollution. Furthermore, failing

to collect waste vegetable oils in closed equipment according to the specified standards or not delivering them to licensed companies results in a minimum penalty of 548,048 TRY and a maximum penalty of 5,480,664 TRY.

When these costs are aggregated, the store generating the highest amount of waste oil faces a minimum potential financial impact of 811,080 TRY and a maximum potential impact of 5,743,696 TRY.

Primary response to risk

Comply with local regulatory requirements

Description of response

CarrefourSA has strategically positioned 90% of its business units in areas characterized by high water stress. As part of its commitment to water conservation, the company takes proactive measures to mitigate water pollution both within its own operations and throughout its supply chain. One such measure involves the collection of waste vegetable oil from markets and restaurants, which is carried out in collaboration with a licensed biodiesel production company. By adopting a circular economy approach, CarrefourSA effectively sells the collected waste oil as a raw material for biodiesel production, thus preventing potential water pollution resulting from its direct operations. This initiative not only mitigates risks but also generates additional revenue for the company.

In 2022, this waste oil collection program was implemented in 55 stores, with 16 of them being strategically significant. Among these 16 stores, Hilltown Karsiyaka Hyper, located in the Gediz River basin, stands out as the store that collected the highest amount of waste oil, totaling 1,966 liters. However, it is important to note that CarrefourSA has waste oil collection boxes in all of its stores across Turkey, extending its efforts to include the collection of waste oils brought in by customers. This proactive approach helps customers contribute to the prevention of any potential pollution associated with waste oil disposal.

Cost of response

149,501

Explanation of cost of response

CarrefourSA made an investment of approximately 20,000 TRY in collaboration with environmental consultants for training preparation. In order to comply with regulations, the company allocated 120,000 TRY to engage a consulting firm for the registration of all stores on the Ministry of Environment's waste management application, which includes recording the transport records of waste vegetable oils. Additionally, 7,425 TRY

was spent on waste oil collection boxes that meet the necessary regulatory requirements.

The collection of 1,966 liters of oil from the specified store in 2022 resulted in a profit of 2,076 TRY from the licensed biodiesel production company, as per the contract with CarrefourSA. After considering all the income and expenses, the net response cost amounted to 149,501 TRY.

W4.2a

(W4.2a) Provide details of risks identified within your value chain (beyond 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

Turkey

Other, please specify

Sea of Marmara Coast

Stage of value chain

Supply chain

Type of risk & Primary risk driver

Acute physical

Drought

Primary potential impact

Supply chain disruption

Company-specific description

Turkey is expected to be the 27th country with the highest water stress in the world by 2040. In the scenario analyses made, it is predicted that the water stress level of Turkey, which was 3.32 in 2010, will increase to 4.27 in 2040. This will cause drought-induced disruptions in the food

supply. Sales of food products constitute a large part of CarrefourSA's revenues. Therefore, inflation-induced cost increases and supply disruptions in food products will reduce CarrefourSA's revenues. The majority of CarrefourSA's revenues are from its stores located in Istanbul. 4 of these stores, which have both strategic impacts and are located in the high water stress region, are located in the Sea of Marmara Coast basin.

Timeframe

More than 6 years

Magnitude of potential impact

Medium-high

Likelihood

Likely

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

75,248,503.89

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

The majority of CarrefourSA's food revenues are from its stores located in Istanbul. Four of these stores are located in the Sea of Marmara Basin and have a strategic impact on the company's revenues. It is predicted that the potential financial impact that will be caused by the food supply disruptions foreseen in the future will be approximately 75,248,503.89 TRY, which is the 2022 revenues from the fruit and vegetable sales of the relevant stores.

Primary response to risk

Direct operations

Increase investment in new technology

Description of response

Due to the drought problem that may occur in the future related to the climate crisis, CarrefourSA follows technological developments as an alternative solution in addition to traditional agriculture and applies them in its stores. One of them is the "Bizim Bahçe" application. Thanks to this application, which works with the "On-Site Production and Vertical Agriculture" system, some of the vegetable products can be grown in CarrefourSA's stores. The system is based on the logic of continuous monitoring of the production area together with the receivers and making production by activating the necessary factors such as mineral heat and light when necessary. In addition, 90 percent savings are achieved compared to traditional production methods because of the water conversion in the system. As a result, the sales prices of the products also decrease with this application since the logistics costs are reduced. In addition, since the products are not affected by external factors such as extreme weather events, a great advantage of continuous and regular harvesting is provided.

Cost of response

279,213.16

Explanation of cost of response

This application is only available in six stores in Istanbul in 2022. Four of them are located in the Sea of Marmara Coast basin. The following calculations only cover these 4 stores:

1. In 2021, the cost of each device purchased for the Bizim Bahçe application is $7,000. This amounts to a total of $28,000 for CarrefourSA's four stores. When multiplied by the average exchange rate of 8.8, which was applicable in 2021, this value corresponds to 246,400 TRY for four devices.

2. The total water usage for four devices in a year amounts to 7.2 m3. In 2022, the unit cost of water is 24.21 TRY. When the annual water usage and the unit cost are multiplied, the resulting annual water cost is equivalent to a total of 174.32 TRY.

3. The yearly expenditure for purchasing fertilizer for vegetable cultivation amounts to 21,600 TL, while the cost of acquiring seedlings totals 7,956.48 TRY.

4. The revenue generated from the sales of four devices amounts to 3,082.36 TRY.

5. The total cost of response= 246,400 + 174.32 + 21,600 + 7,956.48 + 3,082.36= 279,213.16 TRY

CarrefourSA aims to reduce its risk dependence on these kinds of applications, which continue to be developed, while the cost of response is expected to increase in the future.

W4.3

(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes, we have identified opportunities, and some/all are being realized

W4.3a

(W4.3a) Provide details of opportunities currently being realized that could have a substantive financial or strategic impact on your business.

Type of opportunity

Products and services

Primary water-related opportunity

Increased sales of existing products/services

Company-specific description & strategy to realize opportunity

i) An explanation of why this opportunity is considered strategic for the company: In the 21st century, characterized by the significant impact of the climate crisis, the accessibility of ecological products has gained considerable importance. Recognizing this, CarrefourSA places great

emphasis on providing products that meet its customers' needs, specifically eco-certified cleaning products, while aligning with its sustainability approach that incorporates SDG 6 and SDG 12. Green products are designed to promote environmental respect and protection. As environmental consciousness grows, individuals increasingly consider the eco-friendliness of a product when making purchasing decisions.

ii) An explanation of the action being taken to realize the opportunity: CarrefourSA views addressing customer needs and demands as a market and strategic opportunity to not only increase revenue but also retain customers. Therefore, the company aims to expand the presence of ECO-Label labeled products within its own brand and supply chain. CarrefourSA's ECO Planet product line holds the EU Ecolabel certification and is manufactured in facilities inspected by CarrefourSA, adhering to international standards. Eco-labels serve as documentation that questionable ingredients, raw material sourcing, and production processes are environmentally friendly, particularly in terms of forest and water conservation, as well as the well-being of local communities.

iii) An example of the action taken to realize the opportunity, with reference to their outcome and timescale of implementation: The growing demand for these products, driven by customer preferences, is evident. Since 2018, CarrefourSA has generated over 6 million TRY in annual revenue from ECO-labeled products. Recognizing the market opportunity, CarrefourSA aims to significantly increase the number of products bearing these labels within its product portfolio and across its stores over the next 10 years.

Estimated timeframe for realization

Current - up to 1 year

Magnitude of potential financial impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

9,613,958.04

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact

CarrefourSA's eco-labeled products have garnered significant praise from customers, reflecting a growing demand for environmentally friendly options. The potential financial impact figure was calculated according to the sales turnover obtained from these products. In 2022, the revenue derived from these products amounted to 9,613,958.04 TRY. CarrefourSA foresees a continued upward trajectory in this revenue figure in the coming years.

W5. Facility-level water accounting

W5.1

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

Facility reference number

Facility 1

Facility name (optional)

Istanbul Merter Hiper

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

40.983198

Longitude

28.853608

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

193.19

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

193.19

Total water discharges at this facility (megaliters/year)

193.16

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

193.16

Total water consumption at this facility (megaliters/year)

0.03

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:

- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 2

Facility name (optional)

Istanbul Beylikdüzü Marmara Park

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.009344

Longitude

28.660032

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

200.51

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

200.51

Total water discharges at this facility (megaliters/year)

200.48

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

200.48

Total water consumption at this facility (megaliters/year)

0.03

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 3

Facility name (optional)

Istanbul Bayrampasa Forum Hiper

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.045674

Longitude

28.896201

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

145.59

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

145.59

Total water discharges at this facility (megaliters/year)

145.56

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

145.56

Total water consumption at this facility (megaliters/year)

0.03

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units,

resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 4

Facility name (optional)

Istanbul Icerenkoy Hiper

Country/Area & River basin

Turkey

Other, please specify

Kocaeli

Latitude

40.977521

Longitude

29.098632

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

172.64

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

172.64

Total water discharges at this facility (megaliters/year)

172.61

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

172.61

Total water consumption at this facility (megaliters/year)

0.03

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 5

Facility name (optional)

Istanbul Maltepe Park Hiper

Country/Area & River basin

Turkey

Other, please specify

Kocaeli

Latitude

40.918891

Longitude

29.163984

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

151.84

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

151.84

Total water discharges at this facility (megaliters/year)

151.81

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

151.81

Total water consumption at this facility (megaliters/year)

0.03

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 6

Facility name (optional)

Antalya Konyaaltı Atatürk Bulvari

Country/Area & River basin

Turkey

Other, please specify

Mediterranean Sea, East Coast

Latitude

36.870154

Longitude

30.640678

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

44.46

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

44.46

Total water discharges at this facility (megaliters/year)

44.45

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

44.45

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

Lower

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 7

Facility name (optional)

Istanbul Acibadem Hiper

Country/Area & River basin

Turkey

Other, please specify

Kocaeli

Latitude

40.999695

Longitude

29.031768

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

230.23

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

230.23

Total water discharges at this facility (megaliters/year)

230.22

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

230.22

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 8

Facility name (optional)

Istanbul Istinye Hiper

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.117711

Longitude

29.049365

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

244.25

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

244.25

Total water discharges at this facility (megaliters/year)

244.23

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

244.23

Total water consumption at this facility (megaliters/year)

0.02

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.

- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 9

Facility name (optional)

Bursa Orhaneli Hiper

Country/Area & River basin

Turkey

Other, please specify

Black Sea, South Coast

Latitude

40.190529

Longitude

28.990704

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

126.04

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

126.04

Total water discharges at this facility (megaliters/year)

126.03

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

126.03

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

Lower

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 10

Facility name (optional)

Izmir Karsiyaka Hilltown Hiper

Country/Area & River basin

Turkey

Other, please specify

Gediz River

Latitude

38.479241

Longitude

27.074698

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

126.19

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

126.19

Total water discharges at this facility (megaliters/year)

126.17

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

126.17

Total water consumption at this facility (megaliters/year)

0.02

Comparison of total consumption with previous reporting year

Lower

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units,

resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 11

Facility name (optional)

Izmir Balcova Hiper

Country/Area & River basin

Turkey

Other, please specify

Gediz River

Latitude

38.384616

Longitude

27.05817

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

175.33

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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

175.33

Total water discharges at this facility (megaliters/year)

175.31

Comparison of total discharges with previous reporting year

Higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

175.31

Total water consumption at this facility (megaliters/year)

0.02

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 12

Facility name (optional)

Mersin Limonluk Hiper

Country/Area & River basin

Turkey

Other, please specify

Goksu River

Latitude

36.804385

Longitude

34.594364

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

123.78

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

123.78

Total water discharges at this facility (megaliters/year)

123.76

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

123.76

Total water consumption at this facility (megaliters/year)

0.02

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 13

Facility name (optional)

Mugla Marmaris Hiper

Country/Area & River basin

Turkey

Other, please specify

Mediterranean Sea, East Coast

Latitude

36.858669

Longitude

28.253204

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

216.88

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

216.88

Total water discharges at this facility (megaliters/year)

216.86

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

216.86

Total water consumption at this facility (megaliters/year)

0.02

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 14

Facility name (optional)

Adana M1 Hiper

Country/Area & River basin

Turkey

Other, please specify

Seyhan River

Latitude

37.017389

Longitude

35.245203

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

38.08

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

38.08

Total water discharges at this facility (megaliters/year)

38.05

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

38.05

Total water consumption at this facility (megaliters/year)

0.03

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 15

Facility name (optional)

Istanbul Selamicesme Gurme

Country/Area & River basin

Turkey

Other, please specify

Kocaeli

Latitude

40.975851

Longitude

29.050754

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

37.49

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

37.49

Total water discharges at this facility (megaliters/year)

37.48

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

37.48

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

Lower

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.

- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 16

Facility name (optional)

Istanbul Sefakoy Armoni Park

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.000631

Longitude

28.797391

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

56.98

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

56.98

Total water discharges at this facility (megaliters/year)

56.96

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

56.96

Total water consumption at this facility (megaliters/year)

0.02

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 17

Facility name (optional)

Istanbul Fulya Hiper

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.061963

Longitude

28.99798

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

75.17

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

75.17

Total water discharges at this facility (megaliters/year)

75.16

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

75.16

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units,

resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 18

Facility name (optional)

Istanbul Besiktas Gurme

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.068616

Longitude

29.028535

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

33.88

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

33.88

Total water discharges at this facility (megaliters/year)

33.87

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

33.87

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 19

Facility name (optional)

Antalya Alanya Super

Country/Area & River basin

Turkey

Other, please specify

Goksu River

Latitude

36.544443

Longitude

31.995408

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

83.88

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

83.88

Total water discharges at this facility (megaliters/year)

83.87

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

83.87

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

Much higher

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 20

Facility name (optional)

Istanbul Cihangir Gurme

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.033516

Longitude

28.985611

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

16.76

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

16.76

Total water discharges at this facility (megaliters/year)

16.75

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

16.75

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 21

Facility name (optional)

Mugla Bodrum Merkez Super

Country/Area & River basin

Turkey

Other, please specify

Mediterranean Sea, East Coast

Latitude

37.034407

Longitude

27.43054

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

79.08

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

79.08

Total water discharges at this facility (megaliters/year)

79.06

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

79.06

Total water consumption at this facility (megaliters/year)

0.02

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 22

Facility name (optional)

Denizli Teras Park Hiper

Country/Area & River basin

Turkey

Other, please specify

Buyuk Menderes River

Latitude

37.760637

Longitude

29.04337

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

69.34

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

69.34

Total water discharges at this facility (megaliters/year)

69.33

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

69.33

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.

- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 23

Facility name (optional)

Istanbul Anadolu Hisarı Gurme

Country/Area & River basin

Turkey

Other, please specify

Kocaeli

Latitude

41.082182

Longitude

29.066898

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

63.79

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

63.79

Total water discharges at this facility (megaliters/year)

63.78

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

63.78

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 24

Facility name (optional)

Istanbul Ortakoy Gurme

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.05397

Longitude

29.02708

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

28.78

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

28.78

Total water discharges at this facility (megaliters/year)

28.77

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

28.77

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 25

Facility name (optional)

Istanbul Avcilar Pelican Mall

Country/Area & River basin

Turkey

Other, please specify

Sea of Marmara Coast

Latitude

41.015347

Longitude

28.731461

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

25.65

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

25.65

Total water discharges at this facility (megaliters/year)

25.64

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

25.64

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

About the same

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 26

Facility name (optional)

Eskisehir Neo Hiper

Country/Area & River basin

Turkey

Other, please specify

Sakarya River

Latitude

39.766706

Longitude

30.525631

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

32.31

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

32.31

Total water discharges at this facility (megaliters/year)

32.3

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

32.3

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

Higher

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 27

Facility name (optional)

Istanbul Atasehir Metropol Hiper

Country/Area & River basin

Turkey

Other, please specify

Kocaeli

Latitude

40.986964

Longitude

29.131915

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

51.18

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

51.18

Total water discharges at this facility (megaliters/year)

51.17

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

51.17

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

Higher

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

Facility reference number

Facility 28

Facility name (optional)

Istanbul Pendik Neomarin Hiper

Country/Area & River basin

Turkey

Other, please specify

Kocaeli

Latitude

40.879326

Longitude

29.258135

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

43.27

Comparison of total withdrawals with previous reporting year

Much 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

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

43.27

Total water discharges at this facility (megaliters/year)

43.26

Comparison of total discharges with previous reporting year

Much higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

43.26

Total water consumption at this facility (megaliters/year)

0.01

Comparison of total consumption with previous reporting year

Higher

Please explain

CarrefourSA utilizes the WRI Aqueduct Tool to assess the water stress risk across its entire network of business units. The water consumption value represents the quantity of water procured specifically for employee drinking purposes. Meanwhile, the water discharge volume refers to the amount of water sourced from municipal water supplies. The total withdrawal volume is obtained by combining these two components. It is important to note that CarrefourSA exclusively relies on municipal water sources and clean water procurement services for its business units, resulting in a calculated value of zero for unused water resources within the company.

Description for ‘’comparison with previous reporting year”:
- If it is less than or equal to 10%: it is considered to be about the same.
- If it is between 11% and 20%: it is categorized as higher or lower.
- If it is equal to or greater than 20%: it is considered to be much higher or much lower.

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 total water withdrawal volume of CarrefourSA consists of the drinking water purchased for its employees and the water discharged. Purchased water and discharged water is invoiced and verified monthly by local services and related municipalities.

Water withdrawals – volume by source

% verified

76-100

Verification standard used

The water supplied by CarrefourSA comes only from the municipal water of the region where it is located. Authorized persons in each city's own municipality monitor the amount of water CarrefourSA discharges monthly with meters and verify it by invoicing.

Water withdrawals – quality by standard water quality parameters

% verified

76-100

Verification standard used

The total water withdrawal volume of CarrefourSA consists of the drinking water purchased for its employees and the water discharged. The discharged water is analyzed annually in laboratories by CarrefourSA in accordance with Regulation by the Ministry of Health on Water Intended for Human Consumption. In addition, municipalities take samples from all networks and read and verify the water quality parameters, which are accredited 17025 in their own laboratory.

Water discharges – total volumes

% verified

76-100

Verification standard used

ISAE 3000

Water discharges – volume by destination

% verified

76-100

Verification standard used

ISAE 3000

Water discharges – volume by final treatment level

% verified

76-100

Verification standard used

ISAE 3000

Water discharges – quality by standard water quality parameters

% verified

76-100

Verification standard used

The discharged water is analyzed annually in laboratories by CarrefourSA in accordance with Regulation by the Ministry of Health on Water Intended for Human Consumption. In addition, municipalities take samples from all networks and read and verify the water quality parameters, which are accredited 17025 in their own laboratory.

Water consumption – total volume

% verified

76-100

Verification standard used

Drinking water purchased for employees constitutes the total volume of water consumption. Purchased drinking water is invoiced and verified monthly by local services.

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 the scope (including value chain stages) covered by the policy Description of business dependency on water Description of business impact on water	As a component of CarrefourSA's Sustainability Policy, the Water Policy is implemented company-wide, committing to managing water usage in the company's long-term strategies, goal setting, action plans, and operational processes. In line with this objective, CarrefourSA regularly monitors the water stress, water quantity in basins, and water quality parameters of the regions where all business units operate (Headquarters, stores, branch directorates, distribution centers) using the WRI Aqueduct Tool and reports from the Ministry of Agriculture and Forestry. Additionally, by adopting a sustainability approach, CarrefourSA evaluates and implements technological advancements in collecting vegetable waste oils without interfering with water resources, AI-based gardening and sustainable farming practices, eco-friendly products, and water efficiency practices under opportunities, aiming to integrate them into its operations throughout the value chain, employees, shareholders, and society to create value in the long term. Within the framework of

		Commitment to align with international frameworks, standards, and widely-recognized water initiatives Commitment to prevent, minimize, and control pollution Commitment to reduce or phase-out hazardous substances Commitment to reduce water withdrawal and/or consumption volumes in direct operations Commitment to reduce water withdrawal and/or consumption volumes in supply chain Commitment to safely managed Water, Sanitation and Hygiene (WASH) in the workplace Commitment to safely managed Water, Sanitation and Hygiene (WASH) in local communities	its Water Policy, the company commits to the following principles while respecting the right to access clean and safe water: - Compliance with local laws and obligations - Establishing an effective and sustainable water management system in the face of water stress risks and ensuring its effective implementation - Collaborating with stakeholders to reduce water consumption in the value chain and promote efficient water usage - Reducing, optimizing, and enhancing water efficiency in line with water targets - Monitoring, controlling, and reducing water pollution parameters - Embracing emerging technologies to ensure efficient water usage throughout operations - Providing training, if necessary, to increase stakeholders' awareness of water management and help them improve resource utilization - Ensuring the quality and sustainability of water resources and broader ecosystems related to water, guided by the Sustainable Development Goals - Respecting employees' access to clean water and providing a healthy working environment - Ensuring that human rights are not violated in operations and respecting local communities' right to access clean water - Increasing environmental awareness and consciousness among employees and stakeholders CarrefourSA's Water Policy can be accessed through the provided link: https://kurumsal.carrefoursa.com/tr/hakkimizda/politikalarimiz/surdurulebilirlik-politikalarimiz/su-politikasi 1

		Commitment to stakeholder education and capacity building on water security Commitment to water stewardship and/or collective action Commitment to the conservation of freshwater ecosystems 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	

[1]EN_CarrefourSA_Water Policy.pdf

W6.2

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

Yes

W6.2a

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

Position of individual or committee	Responsibilities for water-related issues
Chief Executive Officer (CEO)	The CEO holds the responsibility for overseeing all sustainability matters within the company, which includes water-related issues. The CEO carefully evaluates and participates in the decision-making process regarding any action CarrefourSA is going to take. In the midterm evaluation meeting, the CEO periodically reviews sustainability matters and specifically considers actions related to climate change. Based on this evaluation, the board formulates new strategies or reviews, renews, and examines existing ones, all while taking into account the CEO's personal sustainability goals. ii) Examples of a water-related decision: In 2022, the company has a goal to increase the use of sustainable/bio products such as pesticide-free bio-products or ECO detergents. company-wide. In the production of sustainable/bio products, the use of chemical fertilizers and harmful agricultural pesticides is reduced or eliminated. Additionally, these products are generally produced using agricultural methods that consume less water. This ensures efficient water use, reduces water pollution, and helps in preserving water resources. This goal is included among the CEO's KPIs. In addition, in 2022, specific criteria related to WASH (Water, Sanitation, and Hygiene) and water usage were added to the assessment criteria for social compliance audits of private label suppliers. This helps ensure that the company's supply chain partners adhere to socially responsible practices regarding water management and hygiene standards. By integrating WASH and water usage considerations into supplier evaluations, CarrefourSA contributes to a more sustainable and responsible global supply chain, positively impacting both the environment and society.

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 Monitoring progress towards corporate targets Overseeing acquisitions, mergers, and divestitures Overseeing and guiding public policy engagement Overseeing major capital expenditures Overseeing the setting of corporate targets Overseeing value chain engagement Providing employee incentives Reviewing and guiding annual budgets Reviewing and guiding business plans	Water management is of great importance for CarrefourSA. Therefore, the board of directors actively implements and monitors water management strategies. Quarterly board meetings always cover the following topics: -Acquisitions, mergers, and divestitures are carefully reviewed to ensure that water management goals are considered and sustainable use of water resources is promoted. -Major capital expenditures and value chain engagement are evaluated from a water management perspective. -Policies and incentive programs supporting water conservation and sustainability goals are developed to encourage employee engagement in water management. -A comprehensive oversight process is conducted before setting any target, ensuring that progress towards water-related corporate targets is actively monitored. -Annual budgets, business plans, corporate responsibility strategies, and risk management policies are reviewed to align with water management objectives. CarrefourSA considers sustainability as a strategic priority and has developed its governance structure to ensure efficient operations. The Sustainability Committee consists of department managers within CarrefourSA. Chaired by the Deputy General Manager of Human Resources and Sustainability, the committee reports to the CarrefourSA executive board. The committee is responsible for formulating sustainability strategies, setting goals, establishing roadmaps, managing relevant risks, developing and implementing projects. The executive board, composed of the General Manager and Deputy General Managers, assumes the top governance role in sustainability matters. During the weekly Executive Board meetings, strategic matters are discussed, goals are set, and high-level decisions are made.

		Reviewing and guiding corporate responsibility strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding strategy	Sustainability goals are included among the personal performance objectives of top executives, including the General Manager. The actions and decisions taken by the company regarding water-related matters at the end of these mentioned processes are as follows: - CarrefourSA has been growing vegetables in some of its stores with “Bizim Bahce”application, thanks to the "On-Site Production and Vertical Agriculture" system since 2020. Due to the water conversion in this system, 90 percent water savings are achieved compared to traditional production methods. - Waste vegetable oil obtained from restaurants in the markets or collected from customers is given to a licensed recycling company to transform it into biodiesel, thus contributing to the cleanliness of underground water resources and seas since 2021. - In 2022, the company has a goal to increase the use of sustainable/bioproducts company-wide. In the production of these products, the use of chemical fertilizers and harmful agricultural pesticides is reduced or eliminated. Additionally, these products are generally produced using agricultural methods that consume less water. This ensures efficient water use, reduces water pollution, and helps in preserving water resources.

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
Row 1	Yes	All the CSA Executive Board members have strong KPIs related to environmental and sustainability issues. Their accomplishment toward these goals in past was used as a criterion to assess their competence in the climate and water-related issues.CarrefourSA’s water use and progress toward water-related targets are included in its sustainability report. The metrics given in the report are periodically monitored by the board.

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)

Chief Procurement Officer (CPO)

Water-related responsibilities of this position

Assessing future trends in water demand
Assessing water-related risks and opportunities
Managing water-related risks and opportunities
Setting water-related corporate targets
Monitoring progress against water-related corporate targets
Managing public policy engagement that may impact water security
Managing value chain engagement on water-related issues
Managing annual budgets relating to water security
Managing major capital and/or operational expenditures related to low water impact products or services (including R&D)

Frequency of reporting to the board on water-related issues

More frequently than quarterly

Please explain

The CPO and the Sustainability Committee assess environmental and water management issues during their monthly meetings.
One of the critical roles of CPO's is to emphasize the significance of water management. This involves assessing future trends in water demand to ensure proactive planning and resource allocation, taking charge of assessing and managing risks and opportunities effectively, and implementing measures to minimize negative impacts. These measures include setting and monitoring corporate targets. Moreover, engaging the value chain on water-related issues fosters collective responsibility in addressing water challenges throughout the supply chain. Lastly, as

the CPO manages annual budgets, major capital and operational expenditures related to low-water impact products or services, he plays a pivotal role in driving innovation and sustainable practices within the company.
The significant outputs obtained in this process are presented during quarterly board meetings.

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	N/A

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 Sustainability Officer (CSO)	Improvements in water efficiency – direct operations Improvements in water efficiency – supply chain Improvements in wastewater quality – supply chain	CarrefourSA's water policy focuses on establishing an effective and sustainable water management system to address the risk of water stress. The company is committed to reducing water consumption throughout its value chain and collaborating with stakeholders to ensure efficient water use. It sets targets to decrease water consumption, optimize usage, and improve water efficiency. CarrefourSA also prioritizes providing clean water access and a healthy working environment for employees in its direct operations	CarrefourSA's water-related goals are to achieve improvements in water efficiency compared to the previous year, to enhance wastewater quality in the supply chain, and to increase accessibility to WASH services in the workplace in its direct operations and supply chain. These goals are established at the company level and are included in the evaluation of the CSO's performance. To achieve these goals, the company actively monitors and strives to improve water efficiency and wastewater quality, particularly in its direct operations and supply chain compared

		Increased access to workplace WASH – direct operations Increased access to workplace WASH – supply chain	and value chain. The improvements observed in the annual WASH and water usage data collected from suppliers demonstrate the effectiveness of these incentives in raising awareness and helping the company achieve its goals.	to the previous year. It also aims to increase access to WASH services, which include water, sanitation, and hygiene. CarrefourSA incentivizes progress in these areas by offering monetary rewards to Chief Sustainability Officer and employees. The measurement of KPI achievement is determined via the actualizing of subjects related to KPIs. If the KPIs are achieved at the end of the year; %15 (average) of gross yearly salary is given as a bonus.
Non-monetary reward	Chief Sustainability Officer (CSO)	Improvements in water efficiency – direct operations Improvements in water efficiency – supply chain Improvements in wastewater quality – supply chain Increased access to workplace WASH – direct operations Increased access to workplace	CarrefourSA's water policy focuses on establishing an effective and sustainable water management system to address the risk of water stress. The company is committed to reducing water consumption throughout its value chain and collaborating with stakeholders to ensure efficient water use. It sets targets to decrease water consumption, optimize usage, and improve water efficiency. CarrefourSA also prioritizes providing clean water access and a healthy working environment for employees in its direct operations and value chain. The improvements observed in the annual WASH and water usage data collected from suppliers demonstrate the effectiveness of these incentives in	CarrefourSA's water-related goals are to achieve improvements in water efficiency compared to the previous year, to enhance wastewater quality in the supply chain, and to increase accessibility to WASH services in the workplace in its direct operations and supply chain. These goals are established at the company level and are included in the evaluation of the CSO's performance. To achieve these goals, the company actively monitors and strives to improve water efficiency and wastewater quality, particularly in its direct operations and supply chain compared to the previous year. It also aims to increase access to WASH services, which include water, sanitation, and hygiene. CarrefourSA incentivizes progress in these areas by offering monetary rewards to Chief Sustainability Officer and employees.

		WASH – supply chain	raising awareness and helping the company achieve its goals.	The measurement of KPI achievement is determined via the actualizing of subjects related to KPIs. If the KPIs are achieved at the end of the year; %15 (average) of gross yearly salary is given as a bonus.

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, direct engagement with policy makers

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?

i) The Committee is chaired by the Deputy General Manager of Human Resources. Occupational Health and Safety, Quality Assurance, Environment and Sustainability (OHSQAES) Group Manager is responsible for the coordination of the committee and the follow-up of the works. The committee includes a person with the highest level of responsibility from each department of CarrefourSA. Each member is responsible for announcing the decisions taken by the committee within their organization, leading and monitoring the projects to be realized within their organization. “Sub-Committees” are formed for the projects determined by the committee. These subcommittees are responsible for monitoring the projects. Integrated annual reports are prepared from the feedback of each department to control the progress of the projects and the compliance of CarrefourSA with the strategic targets. In addition, OHSQAES Group Manager is responsible for developing internal and external stakeholder relations. Parallel to the Sabancı Holding strategy, he coordinates with other group managers for the execution of the strategy. He organizes capacity-building meetings in order to make sustainability a way of doing business.

ii) When non-compliance is detected in the committee evaluations, the sub-units and the committee come together, improvement practices are investigated, and the unit where the non-compliance is detected is warned to take action and controlled by the unit manager.

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)

W7. Business strategy

W7.1

(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	11-15	At Sabancı Group, water is recognized as a crucial natural asset. The Group acknowledges that any disruptions in water supply would have adverse effects on business processes. As a result, the Group assesses its impact on water resources on an industry-specific basis and conducts studies focused on efficiency, recovery, and conservation to ensure sustainable water management practices. CarrefourSA, being fully aware that climate change will significantly impact water resources, understands the value of water in its activities. The company implements measures to reduce water usage. As part of these precautions, CarrefourSA actively measures and reports monthly water usage in all its facilities as an integral part of its operations. Furthermore, the company assesses its suppliers' practices concerning water-related issues in the production of its own branded products. Recognizing the operational and financial risks associated with drought-related disruptions in the

			food supply chain, CarrefourSA also evaluates water-related risks in its long-term strategies covering an 11-15 year period. To achieve this, the company utilizes the WRI Aqueduct Tool to monitor water stress risks. Additionally, CarrefourSA considers the needs of its customers, who are one of its most important stakeholders. The company strives to develop and promote low water impact products such as ECO-Labeled products, as failure to meet customer needs would have a detrimental effect on its revenue.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	11-15	CarrefourSA is following a Net Zero map by 2050 with Sabancı Group. Every strategic plan is projected considering the consequences of climate crisis and what CarrefourSA can do against it. CarrefourSA's general strategy in water use is that its use does not increase within the framework of hygiene principles. The technical studies that can be done to reduce water usage in direct operations are related to the simplification of functions. Apart from this, in order to limit the use, it does not make projects to supply the natural landscape with water above the need, and does not manufacture any installations that will use water other than business, employee and customer needs. CarrefourSA, which currently questions the institution's water compatibility controls and water adequacy in supplier inspection lists, continues its studies on the Private Label Product Sustainability Strategy. Company develops its strategy covering an 11-15 year period on two key issues: responsible product and responsible sourcing. One of the issues addressed in the responsible product category is the examination of private label products from a life cycle perspective. CarrefourSA Sustainability and Quality Assurance Unit is preparing to provide feedback to suppliers about having LCA for their products and improving their processes with this perspective. In the responsible procurement category, suppliers will be encouraged to have social compliance certificates and environmental labels.
Financial planning	Yes, water-related issues are integrated	11-15	The CarrefourSA Savings Committee oversees various projects that are coordinated by the Technical Purchasing and Maintenance Group Manager and integrated into the financial planning process covering an 11-15 year period. Given that municipal water and water obtained from local services are utilized within stores, water management has primarily relied on training and data

			tracking. However, efforts are being made to enhance data monitoring through automated methods at the store level, enabling more effective tracking of financial strategies. Furthermore, CarrefourSA recognizes the growing customer demand for environmentally friendly products certified by recognized bodies such as EU Ecolabel, FSC, FOS, and organic certifications. Consequently, the company closely monitors the sales performance and market share of these environmentally conscious products to meet the evolving preferences of its customer base.

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)

-77

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

20

Water-related OPEX (+/- % change)

92

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

50

Please explain

Various faucet expenditures are considered in the water-related CAPEX costs. A total of 77% decrease was observed due to faucet changes in existing stores in 2022. There is a goal to expand the sales area in the future. To achieve this objective, the company aims to promote the widespread use of water-efficient fittings, which is why a projected increase of 20% in CAPEX expenditures is anticipated.

On the other hand, OPEX costs related to water encompass the expenses associated with the purchase of water from municipal and local services, as well as the costs incurred for water quality analysis. In 2022, there was a substantial increase of 93% in water usage costs, 22% in water quality analyses, and a total increase of 92%. This rise can be attributed to the higher unit prices of water and the costs associated with analysis services. Consequently, an approximate 50% increase is expected for the upcoming year, driven by the same factors.

W7.3

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

	Use of scenario analysis	Comment
Row 1	Yes	N/A

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	CarrefourSA, in collaboration with Sabancı Group, is committed to achieving Net Zero emissions by 2050. The company considers the implications of the climate crisis and actively determines strategies to address	CarrefourSA utilizes the WRI Aqueduct Water Risk Atlas tool to evaluate water-related risks. The analysis of water stress for 2030 and 2040 was conducted based on pessimistic, business-as-usual, and	CarrefourSA places emphasis on long-term strategies that focus on energy and water-efficient technological advancements as alternative solutions alongside traditional agricultural methods. These strategies are

		them. These strategies are developed using a customized transition scenario, RCP 8.5 scenario, and WRI future scenario analysis. The bespoke transition scenario is based on reputable sources such as IPCC Reports, IEA Scenarios, SBTi documents, and Turkiye's updated NDC. It involves analyzing the potential impact of lower carbon technologies across various sectors. Additionally, considering the RCP 8.5 climate scenario, CarrefourSA acknowledges the critical impact of a 1.5-degree Celsius global temperature increase on Turkiye. The RCP 8.5 scenario assumes that the population will continuously and rapidly increase, investments in low-carbon technologies will be limited, and measures such as energy efficiency will not be sufficiently adopted. Based on these assumptions, it predicts that the global average surface temperature will increase by approximately 4°C to 6°C by the year 2100 compared to the pre-industrial period (1850-1900). This scenario represents a scenario in which global warming occurs rapidly and significantly. This increase is expected to affect annual precipitation patterns, leading	optimistic scenarios. According to the Water Risk Atlas, it is projected that water stress will approximately double in various basins where CarrefourSA stores are situated and where food products are cultivated by 2030. In conjunction with the Aqueduct Tool, the company uses Aqueduct Country Rankings to assess the vulnerability of food and vegetable suppliers to water stress and drought risks when formulating strategies. According to this assessment, no cities are identified as having a high-risk score in terms of drought. There are 38 cities classified as medium-high risk (0.6-0.8) and 43 cities categorized as medium risk (0.4-0.6). As water stress increases, a decrease in agricultural productivity and an increase in product prices are anticipated. Additionally, changes in product variety and cultivation regions are expected. Agricultural production has already started shifting towards the Marmara Region due to inefficient production caused by deeper groundwater extraction from artesian wells	implemented across its stores, considering scenario analysis. One notable initiative is the "Bizim Bahçe" application, which operates on the "On-Site Production and Vertical Agriculture" system. This application enables the cultivation of certain vegetable products within CarrefourSA stores. The system operates by continuously monitoring the production area and activating necessary factors such as mineral heat and light when required. Notably, this system significantly reduces water consumption compared to traditional production methods, resulting in approximately 90 percent savings. Although the "Bizim Bahçe" application currently exists as a prototype in only 6 stores, CarrefourSA aims to expand its implementation in its stores within a 10-year timeframe due to its advantageous features. Additionally, the company strives to integrate supplier engagement into its strategy, with a specific focus on delivering water awareness training to its private label suppliers. It also emphasizes regular interactions with suppliers, encouraging them to provide

		to potential drought conditions in certain regions. CarrefourSA is highly dependent on water both in its direct and indirect activities, especially in the supply of vegetable and fruit products. The company utilizes the WRI Aqueduct Tool to assess the risks associated with drought and to develop appropriate strategies. Through this tool, CarrefourSA evaluates various qualitative and quantitative factors, including potential water stress, seasonal fluctuations, water availability, and water demand for the years 2030 and 2040. The WRI Aqueduct Tool provides scenario outputs by considering factors such as climate change scenarios, population growth assumptions, and water management policies by using latitude-longitude information to predict future water demand and supply.	in Central Anatolia. It has been determined that open field products such as potatoes, onions, watermelons, melons, tomato paste, and pepper paste in CarrefourSA's product portfolio have been most affected by drought.	annual reports on water withdrawal and discharge analysis. By implementing these initiatives, CarrefourSA aims to bolster supplier awareness and engagement concerning water-related matters within its strategic framework.

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

As a company serving in the retail sector, CarrefourSA supplies water from the municipality and local services in its operations. Therefore, it is subject to the price policy determined by these third parties. In line with the country's water efficiency strategic plan, the company is researching various valuation practices, including internal water price, due to the expected tightening of water pricing policies in the coming years.

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	Please explain
Row 1	Yes	CarrefourSA is able to grow some vegetable products in its stores with the low water impact "Bizim Bahçe" application. The system is based on the logic of continuous monitoring of the production area with the buyers and, when necessary, activating the necessary factors such as mineral heat and light. Thanks to the water conversion in the system, 90 percent savings are achieved compared to traditional production methods. Although CarrefourSA currently has this application as a prototype in only 6 stores, it aims to expand it in its stores within 10 years due to its advantages.	CarrefourSA produces bread using einkorn and spelt seeds. Einkorn and spelt are types of wheat with high fiber and protein content, and low gluten content, which results in lower water absorption compared to regular wheat from the field onwards. The main reason for this lower water absorption is the minimal or absence of gluten. According to conducted research, it has been observed that einkorn has a water absorption rate of 52%, whereas regular wheat flour ranges from 55% to 65% in terms of water absorption.

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	Yes	
Water withdrawals	Yes	
Water, Sanitation, and Hygiene (WASH) services	Yes	
Other	No, but we plan to within the next two years	CarrefourSA is actively working on the objectives related to pollution and water usage within its supply chain.

W8.1b

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

Target reference number

Target 1

Category of target

Water pollution

Target coverage

Company-wide (direct operations only)

Quantitative metric

Increase in investment related to reducing water pollution

Year target was set

2021

Base year

2021

Base year figure

4,275

Target year

2022

Target year figure

6,412.5

Reporting year figure

7,425

% of target achieved relative to base year

147.3684210526

Target status in reporting year

Achieved

Please explain

CarrefourSA organizes its efforts to continuously improve its environmental performance and protect the environment in line with the principles of sustainable development and circular economy. The company evaluates environmental issues within the scope of its environmental responsibility under the headings of Climate Change and Waste Management. The main goal of Waste Management is to minimize the waste generated because of CarrefourSA's activities and to reduce the negative impact of these wastes on the environment and consequently on living organisms. The company's most important objectives are taking actions to minimize waste generation in all stores and warehouses and striving to continuously improve its recycling/recovery rates by adopting the Zero Waste approach.

CarrefourSA, as a retail company operating in the sector, generally has a limited impact on water pollution through its direct operations. However, some of its stores include restaurants, where waste vegetable oil is generated. Discharging this wastewater into the environment without proper treatment can lead to water pollution. In compliance with the Environmental Law and the Regulation on the Control of Waste Vegetable Oils and Waste Management, it is mandatory for CarrefourSA to collect waste vegetable oils separately from other waste streams in its stores and send them to recycling or disposal facilities. The company aims to increase its expenditures for preventing water pollution compared to the previous year in line with its waste management objectives. In 2021, 4,250 TRY was spent on vegetable waste oil containers. For the year 2022, the company set a target to have waste oil containers in all hyper and gourmet stores. In its financial planning, it anticipated a 50% increase in spending on these containers compared to 2021. By the end of 2022, 55 hyper and gourmet stores had these containers installed, and the expenditure reached 7,425 TRY, showing a 74% increase.

Target reference number

Target 2

Category of target

Water withdrawals

Target coverage

Company-wide (direct operations only)

Quantitative metric

Reduction in withdrawals per revenue

Year target was set

2021

Base year

2021

Base year figure

0.03

Target year

2023

Target year figure

0.02

Reporting year figure

0.02

% of target achieved relative to base year

100

Target status in reporting year

Achieved

Please explain

CarrefourSA uses water solely to provide uninterrupted and safe WASH (Water, Sanitation, and Hygiene) services in its direct operations. Increased water usage and rising unit prices lead to higher water costs, which affect the company's revenue by increasing costs. Therefore, the company endeavors to keep its water withdrawals relative to its revenue low to reduce expenses. In 2021, the company's water withdrawals per revenue value were 0.037406 (m3/1000 TRY). CarrefourSA set a target to reduce this value by 25% for 2023. By the end of 2022, through efficiency practices and awareness training provided to employees, this target was successfully achieved with a 46% reduction, reaching 0.020079 (m3/1000 TRY).

Target reference number

Target 3

Category of target

Water, Sanitation and Hygiene (WASH) services

Target coverage

Company-wide (including suppliers)

Quantitative metric

Other, please specify

Increasing WASH Score according to WBCSD Self-Assessment Tool

Year target was set

2021

Base year

2021

Base year figure

85

Target year

2024

Target year figure

90

Reporting year figure

94

% of target achieved relative to base year

180

Target status in reporting year

Achieved

Please explain

CarrefourSA is dedicated to preserving the right to clean water and ensuring a healthy work environment, as outlined in its water policy. To fulfill its corporate social responsibility, CarrefourSA recognizes the importance of ongoing monitoring of WASH services. The company employs the World Business Council for Sustainable Development's (WBSCD) Self-Assessment Tool for Evaluating Access to Water, Sanitation, and Hygiene (WASH) to evaluate its own performance. In this tool, the company answers many questions in the categories of general, workplace water supply, workplace sanitation, workplace hygiene, value/supply chain WASH, and community WASH. In 2021, the company had an overall score of 85% according to this tool. The company aims to increase this score to 90% by 2024, focusing on the gap points in each category and determining the actions to be taken. One of the most important actions was adding WASH criteria to the social compliance audits implemented for its private label suppliers. In line with these developments, CarrefourSA achieved its target by increasing its overall score to 94% in the evaluation conducted in 2022.

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

Carrefoursa 2022 Data Table Opinion Combined Final.pdf

W9.1a

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

Disclosure module	Data verified	Verification standard	Please explain
W1 Current state	Amount of water discharge	ISAE 3000	CarrefourSA is one of the subsidiaries of Sabancı Holding. The selected environmental, social, and economic performance indicators that serve the long-term goals of Sabancı Group, have been verified in accordance with the International Standard on Assurance Engagements - “Assurance Engagements Other than Audits or Reviews of Historical Financial Information” (“ISAE 3000” Revised). Although CarrefourSA calculates water consumption, water discharge, and total withdrawal amounts, only the amount of water discharge was verified in 2022, since the water consumption calculation methodology is different from the strategy of Sabancı Group and all groups affiliated with the holding have been verified in the same methodology for comparability.

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	Carrefoursa, as a retail company, is attentive to the use of plastic in its direct operations. The primary sources of this usage are plastic packaging in in-store restaurants and cafeterias, single-use plastics, plastic packaging resulting from the unpacking of packaged products received in stores, and plastic bags. Additionally, the largest portion of plastic usage occurs in the supply chain stage with plastic packaging used in private label and internal purchases. Carrefoursa classifies the types of packaging used in private label and internal purchases based on their purpose (primary, secondary, lids, outer packaging, etc.) and records their plastic content and weight at each usage stage. The used plastic packaging types include HDPE, LDPE, PE, PET, PP, PS, and PVC.

			In 2022, the company recorded a quantity of 812.66 tons of single-use plastics. The consumption of other plastics amounted to 2,261.58 tons. The total plastic quantity reached 3,074.24 tons, with 74% of these plastics being recyclable. Carrefoursa actively works towards reducing plastic usage and achieving sustainability goals while reporting to the Business Plastic Initiative.

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	In 2022, the most commonly used plastic packaging types in the sourcing of CarrefourSA's private label products are PET, PE, and PP, respectively. In terms of the impact of these plastics on the environment and human health, it should be noted that PET, PE, and PP have the potential to degrade into microplastics, which are tiny plastic fragments capable of entering the environment and being consumed by animals. Microplastics have been discovered in various environmental contexts, including oceans, rivers, and even within the human body. Additionally, improper disposal of these plastics can contribute to waterway pollution, resulting in detrimental consequences such as the loss of aquatic life and the deterioration of water quality.

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	Please explain
Row 1	Not assessed – but we plan to within the next two years	CarrefourSA ensures compliance with the Packaging Waste Control Regulation in its operations and collaborates with licensed companies for the recycling/disposal of such waste. Furthermore, there is currently no regulation in Turkey concerning plastic usage that could have a strategic financial impact. However, as a company committed to promoting the circular economy approach, CarrefourSA strives to follow global regulations and actively works on addressing potential risks, while also reporting to the Business Plastic Initiative.

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 goods	Eliminate single-use plastic goods	Our shareholder, Sabancı Holding, is a member of the Business Plastic Initiative, a private sector initiative launched by the Turkish Industry and Business Association (TUSIAD) and the Sustainable Development Association (SKD Turkey) with the aim of reducing plastic waste in the private sector. They have set a target to reduce single-use plastic usage by 100% by 2024. As a group company, we are directly committed to this goal. In line with this objective, we will eliminate single-use plastics by the end of 2023, starting with minimum administrative buildings. This includes plastic packaging for internal office shipments, plastic water bottles, and non-reusable water dispensers in all personnel and guest areas, single-use plastic-wrapped toothpicks used in office areas and catering services, plastic bags, non-biodegradable plastic straws, cutlery, plates, food containers, tea/coffee stirrers, cups, and lids. Additionally, we have started using viol plates made from 100% recycled paper instead of non-recyclable foam polystyrene plates in the fresh produce section. These plates are fully recyclable and biodegradable. In addition to this target, we have implemented a practice in 35 stores where customers can bring their own containers for purchasing products such as cheese, meat, fish, legumes, and nuts to reduce single-use plastic packaging consumption.

				In the supply chain, the use of reusable crates instead of single-use plastic crates during transportation has been made mandatory for suppliers, and initiatives have been launched to prevent stakeholders from consuming single-use plastics.

W10.5

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

	Activity applies	Comment
Production of plastic polymers	No	N/A
Production of durable plastic components	No	N/A
Production / commercialization of durable plastic goods (including mixed materials)	No	N/A
Production / commercialization of plastic packaging	No	N/A
Production of goods packaged in plastics	No	N/A
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	Yes	N/A

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 renewable content	Please explain
Plastic packaging used	2,261.58	% virgin renewable content	100	CarrefourSA has utilized 2,261.58 tons of plastic packaging in its private label products, and 100% of these plastics are made from recycled materials.

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 technically recyclable	Please explain
Plastic packaging used	% technically recyclable	100	CarrefourSA has utilized 2,261.58 tons of plastic packaging in its private label products, and 100% of these plastics are made from recycled materials. All of these packaging materials can be recycled and reused after consumer use.

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.

N/A

W11.1

(W11.1) Provide details for the person that has signed off (approved) your CDP water response.

	Job title	Corresponding job category
Row 1	CEO	Chief Executive Officer (CEO)

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

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

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

No

Please confirm below

I have read and accept the applicable Terms