Tyson Foods, Inc. - Water Security 2023

W0. Introduction

W0.1

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

Tyson Foods Inc. (NYSE: TSN) is one of the world's largest food companies and a recognized leader in protein. Founded in 1935 by John W. Tyson and grown under three generations of family leadership, the company has a broad portfolio of products and brands like Tyson®, Jimmy Dean®, Hillshire Farm®, Ball Park®, Wright®, Aidells®, IBP® and State Fair®. Tyson Foods innovates continually to make protein more sustainable, tailor food for everywhere it's available and raise the world's expectations for how much good food can do. Headquartered in Springdale, Arkansas, the company had approximately 142,000, employees ("team members") on October 1, 2022. Through its Core Values, Tyson Foods strives to operate with integrity, create value for its shareholders, customers, communities and team members and serve as a steward of the animals, land and environment entrusted to it.

W-FB0.1a/W-AC0.1a

(W-FB0.1a/W-AC0.1a) Which activities in the food, beverage, and tobacco and/or agricultural commodities sectors does your organization engage in?

Agriculture
Processing/Manufacturing
Distribution

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	October 2 2021	October 1 2022

W0.3

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

Australia
China
India
Malaysia
Netherlands
Thailand
United States of America

W0.4

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

USD

W0.5

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

Companies, entities or groups over which financial control is exercised

W0.6

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

Yes

W0.6a

(W0.6a) Please report the exclusions.

Exclusion	Please explain
International Operations (outside U.S.)	Data for our international (outside US) operations is not available at this time. We are currently evaluating our data management practices and evaluating how to collect this information in the future.
Other	The reporting boundary of our data only includes all data from our U.S.- based operations, with the exception of data from entities operating under Cobb-Vantress, Inc., The Pork Group, Inc., and Tyson Hog Markets, Inc.

W0.7

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

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, an ISIN code	US9024941034

W1. Current state

W1.1

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

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Vital	Important	Sufficient amounts of good quality freshwater is of vital importance for the production of all of our food products, and we view availability of water of suitable quality and volume as being a finite resource. Freshwater must be used and managed responsibly from farm to finished product. It is vital because food safety and quality is our top priority, and water is essential to producing safe food. We aim to balance responsible water stewardship with protecting the quality and safety of our products. Indirectly, freshwater is also very important producing animal feed and raising animals, which we source across our value chain (i.e., cattle), although we may be able to mediate some risk through a network of additional suppliers within our supply chain. We do not see this dependency on water in our direct and indirect operations becoming any less important in the future, which is why we take a holistic approach to water stewardship beginning with the responsible use of this resource in our operations.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Important	We consider recycled water to be important but not vital to our direct business operations and our supply chain. Food safety and quality is our top priority and water is essential to producing safe food. Opportunities to use recycled water, while ensuring safety and quality, helps us deliver on our goals to water stewardship. We seek opportunities to use recycled water where feasible in our operations and supply chain in alignment with our Water Position Statement and Prioritization Scheme. In accordance with USDA regulations, use of recycled water in food processing plants is currently limited to non-food contact applications. Outside of plant operations, we focus on beneficial re-use of recycled water. In the future we see the availability of recycled water as remaining important for direct and indirect uses.

W-FB1.1a/W-AC1.1a

(W-FB1.1a/W-AC1.1a) Which water-intensive agricultural commodities that your organization produces and/or sources are the most significant to your business by revenue? Select up to five.

Agricultural commodities	% of revenue dependent on these agricultural commodities	Produced and/or sourced	Please explain
Cattle products	21-40	Sourced	As we do not currently own or operate any feedlots, we purchase cattle from independent feeders and ranchers in the open commodity market with our own set of regionally based cattle buyers. We negotiate our purchases from qualifying cattle suppliers ranging in size from commercial feedlots that have thousands of head of cattle to small ranching operations with just a few head of cattle. Therefore, these animals are fed and watered by independent farmers before being purchased by Tyson Foods for harvest.
Soy	21-40	Sourced	As a vertically-integrated poultry company, we operate feed mills to produce formulated feeds for our broiler chickens and turkeys. Corn and soybean meal are the primary input materials used to produce feed. We procure corn and soybean meal on the commodity market.
Other crop commodity, please specify (Chicken products)	21-40	Produced	There are seven stages in producing chicken for consumers including breeder flock, pullet farm, breeder house, hatchery, broiler farm, processing/further-processing, and distribution. While we have ownership in the birds throughout this process, certain steps are handled by independent broiler chicken farmers and producers in our supply chain, who are independent contractors. We depend on independent agricultural partners, like our independent broiler chicken farmers, to supply chicken, and we strive to support them in their efforts to run their businesses to be independent and more sustainable enterprises.
Maize/corn	21-40	Sourced	As a vertically-integrated poultry company, we operate feed mills to produce formulated feeds for our broiler chickens and turkeys. Corn and soybean meal are the primary raw materials used to produce feed. We procure corn and soybean meal on the commodity market.

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	76-99	Daily	Billing and by method of flow meters	Tyson Foods has implemented a third-party billing system and uses internal tracking mechanisms that provide access to water withdrawal data information for our US facilities noted within the reporting boundary. Many of these sites have flow meters (flow meters - method of measurement) which can be accessed as needed (frequency - daily or otherwise) to obtain flow data.
Water withdrawals – volumes by source	76-99	Daily	Billing and by method of flow meters	We have an understanding of the source of water withdrawal for almost all water source locations being used to supply US-based facilities. Consumer confidence reports list the water source(s), verifying municipality to facility knowledge transfer. Some municipal sources use a combination of surface and groundwater sources on an average percent by volume. If a Tyson Foods site functions by using a public water supply that is from groundwater wells, we are also able to identify the source. As noted for “Water Withdrawals – total volumes”, many of these sites have flow meters (flow meters -method of measurement) which can be accessed as needed (frequency - daily or otherwise) to obtain flow data. Volumes are tracked on a daily, weekly, and/or monthly basis to be reported to internal and external Tyson compliance teams.
Entrained water associated with your metals & mining and/or coal sector activities - total volumes [only metals and mining and coal sectors]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Water withdrawals quality	76-99	Continuously		Food safety and quality is the highest priority for our facilities. Incoming water to facilities must meet applicable federal and state water quality standards. Drinking water supplied by on-site wells or from municipal resources are either a) tested daily for disinfectant residual or b) the city provides direct communication if disruptions occur and annual water quality reports. If the water is with-drawn on Tyson Foods property and treated by Tyson Foods for use within the plant, the disinfectant residual are known (method of measurement – daily lab testing) to facilitate proper treatment to meet the previously mentioned drinking water Standards. This information is regularly gathered (frequency– per USEPA volume of withdrawal requirements) and documented.
Water discharges – total volumes	76-99	Continuously	Metered, billing	For locations where Tyson Foods holds a wastewater discharge permit from a state agency, water discharge is measured daily as part of the permit conditions. This is done using a flow meter or similar device (flow meter - method of measurement) to determine flow volumes daily (frequency – daily). For discharges to municipal systems, some systems monitor discharge flow. For those that do not, a conservative estimate can be made from the incoming water volume. In this case the incoming flow is metered as noted in “Water Withdrawals – total volumes."
Water discharges – volumes by destination	76-99	Continuously	Metered, billing	Water discharged either goes (1) to a Tyson Foods pre-treatment facility followed by a municipal treatment system; (2) directly to a municipal treatment system; or (3) to a Tyson full-treatment facility with a state issued direct discharge permit. We know which plants discharge to each type of location. This flow is measured using flow meters or similar devices (flow meter - method of measurement) (frequency – daily); see “water discharges – total volumes."
Water discharges – volumes by treatment method	76-99	Daily	Metered, bill	This represents all of our full treatment facilities where we regularly monitor flow and quality prior to discharge. The remainder of our facilities discharge to municipal treatment facilities. This is done using a flow meter or similar device (flow meter - method of measurement) to determine flow volumes on a daily basis (frequency– daily).
Water discharge quality – by standard effluent parameters	76-99	Daily	Internal lab test	Almost all of our US facilities are required to gather and report discharge quality data to local and/or state regulatory bodies on a daily, monthly or quarterly scheduled basis (in accordance with the facility discharge permit conditions (frequency – per USEPA volume of effluent requirements).
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	76-99	Daily	Internal lab test and municipal	Almost all of our US facilities are required to gather and report discharge quality data to local and/or state regulatory bodies on a daily, monthly or quarterly scheduled basis (in accordance with the facility discharge permit conditions (frequency – per USEPA volume of effluent requirements).
Water discharge quality – temperature	1-25	Daily	Internal lab test	Very few Tyson Foods locations are required by their regulatory permits to monitor wastewater discharge temperatures. We do not monitor wastewater discharge temperatures at our other facilities. This data is gathered and reported in accordance with the facility discharge permit conditions.
Water consumption – total volume	76-99	Monthly	Calculated	We calculate our total water consumption at our US facilities by subtracting total withdrawals – total discharge. See metering and measurements from Water Withdrawals – total volumes” and “Water Discharges – total volumes” (flow meter - method of measurement, (frequency – daily).
Water recycled/reused	1-25	Quarterly	Internal calculation during water reuse project submittal	At select plant locations we meter or otherwise measure water re-cycling and reuse. This includes wastewater irrigation and internal recycling. There are multiple other sites within Tyson Foods that reuse water and continue to work in accordance with the USEPA and USDA to further reduce consumption and reuse water within the facility, but is not measured and cannot be quantified.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Continuously		100% of our US facilities provide restroom facilities, hand washing stations, and drinking fountains, allowing for WASH services, for all workers. This is a federal OSHA regulatory requirement (frequency – per OSHA testing schedule) and, in many cases, a state law requirement.

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	123281	Lower	Increase/decrease in business activity	About the same	Increase/decrease in business activity	Water stewardship continues to be a priority with water reuse technologies, plant water conservation teams, and water savings projects. As we continue progress on our water stewardship initiatives, we are working on site-specific plans consisting of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2)water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.
Total discharges	110952	Lower	Increase/decrease in efficiency	About the same	Increase/decrease in business activity	We attribute lower water discharge due to greater efficiency in wastewater treatment system and lower volume of first flush systems from rainfall events. As we continue progress on our water stewardship initiatives, we are working on site-specific plans consisting of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2)water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.. Total discharge is estimated by a 10% loss from total withdrawal by production processes (e.g., evaporation, absorption, cleaning, restroom, drinking water).
Total consumption	46670	Higher	Increase/decrease in business activity	About the same	Increase/decrease in business activity	We calculate water consumption by including a 10% water loss from total water withdrawals. Our plants continue to deliver innovative ways to minimize loss by water reuse methods. . Total consumption = total withdrawals –total discharges.

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	11-25	About the same	Increase/decrease in business activity	About the same	Increase/decrease in business activity	WRI Aqueduct	We engage in active collaboration with key stakeholders across our business, including team members, farmers, contract growers, NGOs, academic/research institutions and more, to fulfil our purpose of raising the world's expectations for how much good food can do. For example, in fiscal year 2017 and 2018, we worked with the World Resources Institute using the NorthStar Initiative for Sustainable Enterprise model to assess water risk and develop a water stewardship strategy. This water risk assessment focused on exposure to water stress across our processing facilities, locations where we source animals and locations where we source corn to feed animals

W-FB1.2e/W-AC1.2e

(W-FB1.2e/W-AC1.2e) For each commodity reported in question W-FB1.1a/W-AC1.1a, do you know the proportion that is produced/sourced from areas with water stress?

Agricultural commodities	The proportion of this commodity produced in areas with water stress is known	The proportion of this commodity sourced from areas with water stress is known	Please explain
Cattle products	Not applicable	Yes	Using the work we did with WRI in 2017-2018, this value is based on an assumption that the commodity used at water stressed plants is 100% produced and sourced from a water stressed area. The data was- modeled using the NorthStar Initiative for Sustainable Enterprise
Soy	Not applicable	No, not currently but we intend to collect this data within the next two years	Soy is not applicable in the WRI U.S. Water Risk Assessment.
Maize/corn	Not applicable	Yes	Using the work we did with WRI in 2017-2018, this value is based on an assumption that the commodity used at water stressed plants is 100% produced and sourced from a water stressed area. The data was modeled by WRI using data from the NorthStar Initiative and is believed to provide a very conservative estimate. We continue to evaluate opportunities to work with farmers in smart ag solutions.
Other commodities from W-FB1.1a/W-AC1.1a, please specify (Chicken products)	Yes	Yes	Using the work we did with WRI in 2017-2018, this value is based on an assumption that the commodity used at water stressed plants is 100% produced and sourced from a water stressed area. The data was modeled by WRI using data from the NorthStar Initiative and is believed to provide a very conservative estimate.

W-FB1.2f/W-AC1.2f

(W-FB1.2f/W-AC1.2f) What proportion of the produced agricultural commodities reported in W-FB1.1a/W-AC1.1a originate from areas with water stress?

Agricultural commodities	% of total agricultural commodity produced in areas with water stress	Please explain
Other produced commodities from W-FB1.2e/W-AC1.2e, please specify (Chicken products)	1-10	Using the work we did with WRI in 2017-2018, this value is based on an assumption that the commodity used at water stressed plants is 100% produced and sourced from a water stressed area. The data was modeled using the NorthStar Initiative for Sustainable Enterprise model and is believed to provide a very conservative estimate for embedded water of raising animals.

W-FB1.2g/W-AC1.2g

(W-FB1.2g/W-AC1.2g) What proportion of the sourced agricultural commodities reported in W-FB1.1a/W-AC1.1a originate from areas with water stress?

Agricultural commodities	% of total agricultural commodity sourced from areas with water stress	Please explain
Other sourced commodities from W-FB1.2e/W-AC1.2e, please specify (Chicken products)	1-10	Using the work we did with WRI in 2017-2018, this value is based on an assumption that the commodity used at water stressed plants is 100% produced and sourced from a water stressed area. The data was modeled using the NorthStar Initiative for Sustainable Enterprise model and is believed to provide a very conservative estimate for embedded water of raising animals.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because Tyson Foods does not directly or indirectly control any withdrawal of water from fresh surface water, including rainwater, water from wetlands, rivers, and lakes for its operations. As noted in our response in W1.2 some municipal sources use a combination of surface and ground water sources, and these cannot always be separated by volume. We anticipate this will remain the same in the future.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because Tyson Foods does not withdrawal water from brackish surface water/seawater for its operations. We anticipate this will remain the same in the future.
Groundwater – renewable	Relevant	12227	Lower	Increase/decrease in efficiency	We have continued to focus on water efficiency at our facilities.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because Tyson Foods does not withdrawal water from non-renewable groundwater for its operations. We anticipate this will remain the same in the future.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	This source is not relevant because Tyson Foods does not withdrawal water from produced water for its operations. We anticipate this will remain the same in the future.
Third party sources	Relevant	111053	Lower	Increase/decrease in business activity	This source is relevant because Tyson Foods receives water withdrawn from third-party sources. E.g. municipalities for its operations. Water withdrawals were lower due to a relatively low year-over-year production volume and greater efficiency in plant water use.

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Relevant	52619.96	Lower	Increase/decrease in efficiency	As a member of the Alliance for Water Stewardship, we work to increase the sustainability of local water resources through our adoption and promotion of the International Water Stewardship Standard. Our water stewardship program focuses on using water as efficiently and responsibly as possible, especially in regions where water is scarce.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Tyson does not discharge to brackish surface water/seawater.
Groundwater	Relevant	16281.54	Lower	Increase/decrease in business activity	We use technology and reclamation systems to reduce and reuse wastewater in our direct operations as much as feasible. Wastewater treatment not only conserves water but, in some locations, also allows the nutrients in the wastewater to be used to grow crops and reduces the need to purchase manufactured commercial fertilizer.
Third-party destinations	Relevant	54379	Lower	Increase/decrease in business activity	We use technology and reclamation systems to reduce and reuse wastewater in our direct operations as much as feasible. Wastewater treatment not only conserves water but, in some locations, also allows the nutrients in the wastewater to be used to grow crops and reduces the need to purchase manufactured commercial fertilizer.

W1.2j

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

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant	16281.54	Lower	Increase/decrease in business activity	1-10	Land application from tertiary treatment will decrease when droughts are at a higher risk during the growing season to optimize plant uptake, protect the land, water, and biodiversity of the watershed.
Secondary treatment	Relevant	54379.1	Higher	Increase/decrease in business activity	21-30	
Primary treatment only	Relevant	52619.96	Higher	Increase/decrease in business activity	61-70	
Discharge to the natural environment without treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	All water is treated on site prior to discharge to the environment in compliance with applicable permitting requirements and parameters.
Discharge to a third party without treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	We do not discharge to a third party without treatment.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	

W1.2k

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

	Emissions to water in the reporting year (metric tonnes)	Category(ies) of substances included	List the specific substances included	Please explain
Row 1	0	Nitrates Phosphates	<Not Applicable>	Monitoring for emissions to water is governed by wastewater treatment permits.

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	53282000000	123281	432199.609023288	Increase of revenue and stable or decreasing water use, which will result in greater efficiency.

W-FB1.3/W-AC1.3

(W-FB1.3/W-AC1.3) Do you collect/calculate water intensity for each commodity reported in question W-FB1.1a/W-AC1.1a?

Agricultural commodities	Water intensity information for this produced commodity is collected/calculated	Water intensity information for this sourced commodity is collected/calculated	Please explain
Cattle products	Not applicable	No, not currently and we have no plans to collect/calculate this data within the next two years	We are not currently collecting this information.
Soy	Not applicable	No, not currently and we have no plans to collect/calculate this data within the next two years	We are not currently collecting this information as soy is privately purchased and embedded water usage of soy is not calculated or tracked for feed ingredients, Tyson food products, or third-party food products.
Maize/corn	Not applicable	No, not currently and we have no plans to collect/calculate this data within the next two years	We are not currently collecting this information. Our internal Tyson team continues to expand in the water stewardship strategy to work directly with poultry corn growers and better engage with sustainable beef realm.
Other commodities from W-FB1.1a/W-AC1.1a, please specify (Chicken products)	No, not currently and we have no plans to collect/calculate this data within the next two years	Not applicable	We are not currently collecting this information.

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	Unknown	

W1.5

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

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

W1.5a

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

Row 1

Assessment of supplier impact
No, we do not assess the impact of our suppliers and have no plans to do so within the next two years

Considered in assessment
<Not Applicable>

Number of suppliers identified as having a substantive impact
<Not Applicable>

% of total suppliers identified as having a substantive impact
<Not Applicable>

Please explain

W1.5b

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

	Suppliers have to meet specific water-related requirements	Comment
Row 1	No, and we do not plan to introduce water-related requirements within the next two years	

W1.5d

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

Type of engagement
Innovation & collaboration

Details of engagement
Educate suppliers about water stewardship and collaboration

% of suppliers by number
Please select

% of suppliers with a substantive impact
<Not Applicable>

Rationale for your engagement

Impact of the engagement and measures of success

Comment
As a member of the Alliance for Water Stewardship, we contribute to the work to increase the sustainability of local water resources through our adoption and promotion of the International Water Stewardship Standard. Our water stewardship program focuses on using water as efficiently and responsibly as possible, especially in regions where water is scarce.

W2. Business impacts

W2.1

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

No

W2.2

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

	Water-related regulatory violations	Fines, enforcement orders, and/or other penalties	Comment
Row 1	Yes	Fines	

W2.2a

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

Row 1

Total number of fines
4

Total value of fines
68943.5

% of total facilities/operations associated
3

Number of fines compared to previous reporting year
Lower

Comment

W2.2b

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

W3. Procedures

W3.1

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

	Identification and classification of potential water pollutants	How potential water pollutants are identified and classified	Please explain
Row 1	No, we do not identify and classify our potential water pollutants	<Not Applicable>	This classification of potential water pollutants is governed by the regulatory entities with oversight of wastewater discharges.

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?
Yes, water-related risks are assessed

W3.3a

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

Value chain stage
Direct operations

Coverage
Full

Risk assessment procedure
Water risks are assessed as a standalone issue

Frequency of assessment
Not defined

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

Type of tools and methods used
Tools on the market
Other

Tools and methods used
WRI Aqueduct
Internal company methods
External consultants
Other, please specify (NorthStar database methodology)

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
Implications of water on your key commodities/raw materials
Water regulatory frameworks
Status of ecosystems and habitats

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
In 2017-18 Tyson Foods assessed our exposure to water risk for our direct operations in the US during that time. We modeled the water stress water stress in the areas where animals are procured, corn feed for raising animals,
exposure to water stress in corn feed (Poultry, Beef, Pork), and nitrogen loading resulting from raising animals and corn feed (Poultry, Beef, Pork). The results of the assessment were used to identify priority locations for water stewardship activities.

Value chain stage
Supply chain

Coverage
Partial

Risk assessment procedure
Water risks are assessed as a standalone issue

Frequency of assessment
Not defined

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

Type of tools and methods used
Tools on the market
Other

Tools and methods used
WRI Aqueduct
Internal company methods
External consultants

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
Implications of water on your key commodities/raw materials
Water regulatory frameworks
Status of ecosystems and habitats

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
In 2017-18 Tyson Foods modeled the water stress in the areas were animals are procured for Tyson Foods' processing facilities, exposure to water stress for Raising Animals (Poultry, Beef, Pork), water stress in the areas where animals are procured, corn feed for raising animals, exposure to water stress in corn feed (Poultry, Beef, Pork), and nitrogen loading resulting from raising animals and corn feed (Poultry, Beef, Pork). The results of the assessment were used to identify priority locations for water stewardship activities. In 2021-22, we again worked with WRI to conduct a risk assessment of our international supply chain using the Aqueduct tool, in order to identify priority locations for water stewardship activities based upon exposure to water stress.

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	We aim to balance responsible water stewardship with protecting the quality & ensuring the safety of our products. Tyson has prioritized water efficiency & water reuse in facilities, & continue to make progress in this area. Processing facilities are responsible for a small portion of total water consumption. The majority of water consumption is associated with producing animal feed or raising animals, little of the water required for finished products is consumed at facilities. To broaden water stewardship efforts, we worked with WRI in FY2017 & 2018 to assess water risk & develop a water stewardship strategy. The assessment focused on exposure to water stress across processing facilities, locations we source animals & locations we source corn for feed. The water risk assessment helped identify priority locations to set goals informed by the local watershed context. We are setting contextual water targets at 11 U.S. facilities & working to expand this initiative into Tyson's international supply chain in the following year, recognizing that we have influence on local watersheds. Contextual targets for facilities in high stress regions will be based upon each facility's water withdrawal, exposure to high water stress & proximity to our supply chain. The process involves developing an understanding of shared water challenges of concern to Tyson and surrounding communities. Our water position statement: https://www.tysonsustainability.com/downloads/Water_Position_Statement.pdf	There are 5 water-related outcomes of setting contextual water targets, including: (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2)water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.	Stakeholders considered in this process were selected based on AWS Guidance and Recommendations.	Risks focus on operations within a watershed where animals are raised and where we source feed. Secondary priorities are locations with water stress, but that are not tied to direct procurement of poultry or poultry feed. We work with stakeholders to identify common areas of concern, informing our approach to mitigating water-related risk. Further, we follow the AWS standard and guidance in this decision-making process.

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?

Tyson Foods, Inc. does not have a comprehensive definition of "substantive financial" or "strategic impact," though, as a publicly traded company, Tyson Foods, Inc. is subject to various regulatory and contractual standards related to the measurement, reporting, and disclosure of financial and strategic impacts to the company's business. Many of these standards are financial- and/or risk-based and are publicly available. Per our 2022 Annual Report on Form 10-K, we depend on the availability of raw materials and contract farmers/independent producers to supply us with livestock. We are committed to the responsible management of our water resources and acknowledge that significant changes in water availability could have a direct or indirect impact on our company and supply chain. We view availability of water of suitable quality and volume as being a finite resource.

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	11	1-25	In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk for water stress locations in the U.S by 2025. We have completed seven of these plans to date at Finney County, KS, Seguin, TX, North Richland Hills, TX, Dexter, MO, Amarillo, TX, Vernon, TX, and Temperanceville, VA. The site-specific plans consist of consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2)water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations. We have four other high-risk sites in which we are considering our next steps.

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

United States of America	Mississippi River

Number of facilities exposed to water risk

7

% company-wide facilities this represents
1-25

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
1-10

Comment
Because of the size of the company and diversity of facilities, in the event of a water risk-related issue we can move production to another facility. This would alleviate any significant revenue impact.

Country/Area & River basin

United States of America	Trinity River (Texas)

Number of facilities exposed to water risk
2

% company-wide facilities this represents
Less than 1%

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
Less than 1%

Comment
Because of the size of the company and diversity of facilities, in the event of a water risk-related issue we can move production to another facility. This would alleviate any significant revenue impact.

Country/Area & River basin

United States of America	San Antonio River

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
Less than 1%

Comment
Because of the size of the company and diversity of facilities, in the event of a water risk-related issue we can move production to another facility. This would alleviate any significant revenue impact.

Country/Area & River basin

United States of America	Other, please specify (Coastal area)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
Less than 1%

Comment
Because of the size of the company and diversity of facilities, in the event of a water risk-related issue we can move production to another facility. This would alleviate any significant revenue impact.

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

United States of America	Mississippi River

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Increased operating costs

Company-specific description
We have worked with WRI to assess which production plants are considered to be in water stressed areas based on a combination of factors detailed in the WRI Aqueduct tool, including the seven facilities located in the Mississippi River basin.

Timeframe
More than 6 years

Magnitude of potential impact
Medium-low

Likelihood
Likely

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
We are unable to calculate the financial impact at this time.

Primary response to risk
Establish site-specific targets

Description of response
We view availability of water of suitable quality and volume as being a finite resource. Our goal is to reduce the amount of water used to produce each pound of product. As part of this initiative as well as our deeper commitment to sustainable food production, we announced in May 2017 a collaboration with the World Resources Institute (WRI) to become an industry leader by setting contextual water targets as part of or water stewardship activities at our high-water risk operations. In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date at Finney County, KS, Seguin, TX, North Richland Hills, TX, Dexter, MO, Amarillo, TX, Vernon, TX, and Temperanceville, VA.

Cost of response
0

Explanation of cost of response
Establishing any site-specific targets will be done primarily using internal company resources.

Country/Area & River basin

United States of America	Trinity River (Texas)

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Increased operating costs

Company-specific description
We have worked with WRI to assess which production plants are considered to be in water stressed areas based on a combination of factors detailed in the WRI Aqueduct tool, including the two facilities located in the Trinity River basin.

Timeframe
More than 6 years

Magnitude of potential impact
Low

Likelihood
Likely

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
Financial impact is unknown at this time.

Primary response to risk
Establish site-specific targets

Description of response
We view availability of water of suitable quality and volume as being a finite resource. Our goal is to reduce the amount of water used to produce each pound of product. As part of this initiative as well as our deeper commitment to sustainable food production, we announced in May 2017 a collaboration with the World Resources Institute (WRI) to become an industry leader by setting contextual water targets as part of or water stewardship activities at our high-water risk operations. In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date at Finney County, KS, Seguin, TX, North Richland Hills, TX, Dexter, MO, Amarillo, TX, Vernon, TX, and Temperanceville, VA

Cost of response
0

Explanation of cost of response
Establishing any site-specific targets will be done primarily using internal company resources.

Country/Area & River basin

United States of America	San Antonio River

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Increased operating costs

Company-specific description
We have worked with WRI to assess which production plants are considered to be in water stressed areas based on a combination of factors detailed in the WRI Aqueduct tool, including the facility located in the San Antonio River basin.

Timeframe
More than 6 years

Magnitude of potential impact
Low

Likelihood
Likely

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
Financial impact is unknown at this time.

Primary response to risk

Establish site-specific targets

Description of response
We view availability of water of suitable quality and volume as being a finite resource. Our goal is to reduce the amount of water used to produce each pound of product. As part of this initiative as well as our deeper commitment to sustainable food production, we announced in May 2017 a collaboration with the World Resources Institute (WRI) to become an industry leader by setting contextual water targets as part of or water stewardship activities at our high-water risk operations. In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date at Finney County, KS, Seguin, TX, North Richland Hills, TX, Dexter, MO, Amarillo, TX, Vernon, TX, and Temperanceville, VA

Cost of response
0

Explanation of cost of response
Establishing any site-specific targets will be done primarily using internal company resources.

Country/Area & River basin

United States of America	Other, please specify (Coastal area)

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Increased operating costs

Company-specific description
We have worked with WRI to assess which production plants are considered to be in water stressed areas based on a combination of factors detailed in the WRI Aqueduct tool, including the facility located within the coastal area.

Timeframe
More than 6 years

Magnitude of potential impact
Low

Likelihood
Likely

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
Financial impact is unknown at this time.

Primary response to risk
Establish site-specific targets

Description of response
We view availability of water of suitable quality and volume as being a finite resource. Our goal is to reduce the amount of water used to produce each pound of product. As part of this initiative as well as our deeper commitment to sustainable food production, we announced in May 2017 a collaboration with the World Resources Institute (WRI) to become an industry leader by setting contextual water targets as part of or water stewardship activities at our high-water risk operations. In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date at Finney County, KS, Seguin, TX, North Richland Hills, TX, Dexter, MO, Amarillo, TX, Vernon, TX, and Temperanceville, VA

Cost of response
0

Explanation of cost of response
Establishing any site-specific targets will be done primarily using internal company resources.

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

United States of America	Mississippi River

Stage of value chain
Supply chain

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Increased production costs due to changing input prices from supplier

Company-specific description
Tyson Foods has worked with WRI to assess which upstream supply chains associated with water stresses impact the production plants identified in question 4.2, including the seven facilities located in the Mississippi River basin.

Timeframe
More than 6 years

Magnitude of potential impact
Medium

Likelihood
Likely

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
Financial impact is unknown at this time.

Primary response to risk

Supplier engagement	Promote adoption of waste water management procedures among suppliers

Description of response
As part of establishing contextual water targets at 11 of our high-risk locations in the U.S., we will engage with other parties in the watershed to align Tyson Foods' action with other parties needs and concerns surrounding water.

Cost of response
0

Explanation of cost of response
This will be done primarily using internal company resources.

Country/Area & River basin

United States of America	Trinity River (Texas)

Stage of value chain
Supply chain

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Increased production costs due to changing input prices from supplier

Company-specific description
Tyson Foods has worked with WRI to assess which upstream supply chains associated with water stresses impact the production plants identified in question 4.2, including the two facilities located in the Trinity River basin.

Timeframe
More than 6 years

Magnitude of potential impact
Low

Likelihood
Likely

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
Financial impact is unknown at this time.

Primary response to risk

Supplier engagement	Promote adoption of waste water management procedures among suppliers

Description of response
As part of establishing contextual water targets at 11 of our high-risk locations in the U.S. we will engage with other parties in the watershed to align Tyson Foods' action with other parties needs and concerns surrounding water.

Cost of response
0

Explanation of cost of response
This will be done primarily using internal company resources.

Country/Area & River basin

United States of America	San Antonio River

Stage of value chain
Supply chain

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Increased production costs due to changing input prices from supplier

Company-specific description
Tyson Foods has worked with WRI to assess which upstream supply chains associated with water stresses impact the production plants identified in question 4.2, including the facility located in the San Antonio River basin.

Timeframe
More than 6 years

Magnitude of potential impact
Low

Likelihood
Likely

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
Financial impact is unknown at this time.

Primary response to risk

Supplier engagement	Promote adoption of waste water management procedures among suppliers

Description of response
As part of establishing contextual water targets at 11 of our high-risk locations in the U.S. we will engage with other parties in the watershed to align Tyson Foods' action with other parties needs and concerns surrounding water.

Cost of response
0

Explanation of cost of response
This will be done primarily using internal company resources.

Country/Area & River basin

United States of America	Other, please specify (Coastal area)

Stage of value chain

Supply chain

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Increased production costs due to changing input prices from supplier

Company-specific description
Tyson Foods has worked with WRI to assess which upstream supply chains associated with water stresses impact the production plants identified in question 4.2, including the facility located within the coastal area.

Timeframe
More than 6 years

Magnitude of potential impact
Low

Likelihood
Likely

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
Financial impact is unknown at this time.

Primary response to risk

Supplier engagement	Promote adoption of waste water management procedures among suppliers

Description of response
As part of establishing contextual water targets at 11 of our high-risk locations in the U.S. we will engage with other parties in the watershed to align Tyson Foods' action with other parties needs and concerns surrounding water.

Cost of response
0

Explanation of cost of response
This will be done primarily using internal company resources.

W4.3

(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?
Yes, we have identified opportunities, and some/all are being realized

W4.3a

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

Type of opportunity
Efficiency

Primary water-related opportunity
Improved water efficiency in operations

Company-specific description & strategy to realize opportunity
As a member of the Alliance for Water Stewardship, we work to increase the sustainability of local water resources through our adoption and promotion of the International Water Stewardship Standard. Our water stewardship program focuses on using water as efficiently and responsibly as possible, especially in regions where water is scarce. In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date at Finney County, Kansas; Seguin, North Richland Hills and Amarillo, Texas; Dexter, Missouri; Vernon, TX and Temperanceville, Virginia. The site-specific plans consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2)water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.

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?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact
A reduction in our intensity will ultimately save us on our gallons used assuming production is flat. The stated cost is computed based on well vs. city water usage.

Type of opportunity
Markets

Primary water-related opportunity
Improved community relations

Company-specific description & strategy to realize opportunity
This opportunity is considered strategic for the company as increased operating costs through our supply chain is an identified risk for the company. Some Tyson Foods employees actively serve on certain local watershed boards. Tyson Foods employees have also been actively engaged in strategic partnership with local organizations by supporting various on-the-ground conservation projects such as tree plantings, stream clean-ups, and water awareness learning centers.

Estimated timeframe for realization
1 to 3 years

Magnitude of potential financial impact
Low

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact
No financial impacts identified as part of this collaboration, until specific opportunities are explored.

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)
Dexter

Country/Area & River basin

United States of America	Mississippi River

Latitude
36.753911

Longitude
-89.944257

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
953

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
953

Total water discharges at this facility (megaliters/year)
858.6

Comparison of total discharges with previous reporting year
About the same

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
858.6

Total water consumption at this facility (megaliters/year)
94.4

Comparison of total consumption with previous reporting year
About the same

Please explain
Consumption was 93 megaliters/year in 2021.

Facility reference number
Facility 2

Facility name (optional)
Seguin

Country/Area & River basin

United States of America	San Antonio River

Latitude
29.580243

Longitude
97.982536

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
1170

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
1170

Total water discharges at this facility (megaliters/year)
1053

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
1053

Total water consumption at this facility (megaliters/year)
117

Comparison of total consumption with previous reporting year
Higher

Please explain
Our water withdrawal, consumption and discharge volumes will vary somewhat from year to year. This is a function of market conditions and product demand. We continue to focus on water stewardship activities, particularly in water stressed areas.

Facility reference number
Facility 3

Facility name (optional)
Temperanceville

Country/Area & River basin

United States of America	Other, please specify (Coastal area - Chesapeake Bay)

Latitude
37.88605

Longitude
-75.5584

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
1780

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
1780

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)
1602

Comparison of total discharges with previous reporting year
Higher

Discharges to fresh surface water
1602

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
0

Total water consumption at this facility (megaliters/year)
178

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

Please explain

Facility reference number
Facility 4

Facility name (optional)
Sedalia

Country/Area & River basin

United States of America	Mississippi River

Latitude
38.749939

Longitude
-93.322359

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
2805

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

2805

Total water discharges at this facility (megaliters/year)
2530

Comparison of total discharges with previous reporting year
Higher

Discharges to fresh surface water
2530

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)
275

Comparison of total consumption with previous reporting year
Higher

Please explain
Our water withdrawal, consumption and discharge volumes will vary somewhat from year to year. This is a function of market conditions and product demand. We continue to focus on water stewardship activities, particularly in water stressed areas.

Facility reference number
Facility 5

Facility name (optional)
Amarillo

Country/Area & River basin

United States of America	Mississippi River

Latitude
35.259306

Longitude
-101.648578

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
6375

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
6375

Total water discharges at this facility (megaliters/year)
5738

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
5738

Discharges to third party destinations
0

Total water consumption at this facility (megaliters/year)
637

Comparison of total consumption with previous reporting year
Lower

Please explain
Our water withdrawal, consumption and discharge volumes will vary somewhat from year to year. This is a function of market conditions and product demand. We continue to focus on water stewardship activities, particularly in water stressed areas.

Facility reference number
Facility 6

Facility name (optional)
Finney Co.

Country/Area & River basin

United States of America	Mississippi River

Latitude
37.999653

Longitude
101.025075

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
4619

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
4619

Total water discharges at this facility (megaliters/year)
4157

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
4157

Discharges to third party destinations
0

Total water consumption at this facility (megaliters/year)
462

Comparison of total consumption with previous reporting year
Lower

Please explain
Our water withdrawal, consumption and discharge volumes will vary somewhat from year to year. This is a function of market conditions and product demand. We continue to focus on water stewardship activities, particularly in water stressed areas.

Facility reference number
Facility 7

Facility name (optional)
Lexington

Country/Area & River basin

United States of America	Mississippi River

Latitude
40.761057

Longitude
99.736979

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
3712

Comparison of total withdrawals with previous reporting year
About the same

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

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
3712

Total water discharges at this facility (megaliters/year)
3185

Comparison of total discharges with previous reporting year
Lower

Discharges to fresh surface water
3185

Discharges to brackish surface water/seawater
0

Discharges to groundwater

Discharges to third party destinations
0

Total water consumption at this facility (megaliters/year)
527

Comparison of total consumption with previous reporting year
Higher

Please explain
Our water withdrawal, consumption and discharge volumes will vary somewhat from year to year. This is a function of market conditions and product demand. We continue to focus on water stewardship activities, particularly in water stressed areas.

Facility reference number
Facility 8

Facility name (optional)
Madison Ham Plant

Country/Area & River basin

United States of America	Mississippi River

Latitude
41.817595

Longitude
97.467747

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
1455

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
1455

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
0

Total water discharges at this facility (megaliters/year)
976

Comparison of total discharges with previous reporting year
Lower

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
976

Discharges to third party destinations
0

Total water consumption at this facility (megaliters/year)
479

Comparison of total consumption with previous reporting year
Higher

Please explain
Our water withdrawal, consumption and discharge volumes will vary somewhat from year to year. This is a function of market conditions and product demand. We continue to focus on water stewardship activities, particularly in water stressed areas.

Facility reference number
Facility 9

Facility name (optional)
Haltom City

Country/Area & River basin

United States of America	Trinity River (Texas)

Latitude
32.822204

Longitude
-97.289137

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
437

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
437

Total water discharges at this facility (megaliters/year)
393

Comparison of total discharges with previous reporting year
About the same

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
393

Total water consumption at this facility (megaliters/year)
44

Comparison of total consumption with previous reporting year
About the same

Please explain
Consumption was 41 megaliters/year in 2021.

Facility reference number
Facility 10

Facility name (optional)
North Richland Hills Plant

Country/Area & River basin

United States of America	Trinity River (Texas)

Latitude
32.851786

Longitude
-97.244871

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
247

Comparison of total withdrawals with previous reporting year
Lower

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

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
247

Total water discharges at this facility (megaliters/year)
223

Comparison of total discharges with previous reporting year
Lower

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
223

Total water consumption at this facility (megaliters/year)
24

Comparison of total consumption with previous reporting year
About the same

Please explain
Consumption was 30 megaliters/year in 2021.

Facility reference number
Facility 11

Facility name (optional)
Vernon Plant

Country/Area & River basin

United States of America	Mississippi River

Latitude
34.162883

Longitude
-99.291096

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
321

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

321

Total water discharges at this facility (megaliters/year)
289

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
289

Total water consumption at this facility (megaliters/year)
32

Comparison of total consumption with previous reporting year
About the same

Please explain
Consumption was 28 megaliters/year in 2021.

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
Not verified

Verification standard used
<Not Applicable>

Please explain

Water withdrawals – volume by source

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water withdrawals – quality by standard water quality parameters

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water discharges – total volumes

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water discharges – volume by destination

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water discharges – volume by final treatment level

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water discharges – quality by standard water quality parameters

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water consumption – total volume

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

W6. Governance

W6.1

(W6.1) Does your organization have a water policy?
Yes, we have a documented water policy that is publicly available

W6.1a

(W6.1a) Select the options that best describe the scope and content of your water policy.

	Scope	Content	Please explain
Row 1	Company-wide	Description of business dependency on water Description of business impact on water Commitment to safely managed Water, Sanitation and Hygiene (WASH) in the workplace	We believe that water is a vital, limited resource that must be used carefully and managed responsibly in every part of our business -- from farm to finished product. In our facilities, water is essential to protecting the quality and safety of our products. In our supply chain, water is needed for growing crops and raising healthy animals. Recognizing the importance of water to our business and communities, and understanding the constraints on this vital resource, Tyson Foods is committed to responsible water stewardship everywhere we operate and source from. Read our water position statement to learn more about our prioritization scheme for contextual water targets. https://www.tysonsustainability.com/downloads/Water_Position_Statement.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
Board-level committee	In early 2021, the Governance and Nominating Committee was formally assigned the responsibility to assist the Board on matters relating to corporate responsibility and sustainability, including environmental, social and governance matters affecting the company. Oversight of ESG activities is reflected in the Governance and Nominating Committee's Charter. The committee takes an active role in the oversight of our company's ESG strategy and public reporting, and receives regular progress updates from our Executive Vice President, Chief Financial Officer, and Chief Sustainability Officer (EVP-CFO, CSO).
Chief Executive Officer (CEO)	With oversight from our Board, our president and chief executive officer leads Tyson's ESG approach. The Executive Vice President,Chief Financial Officer, and Chief Sustainability Officer (EVP-CFO, CSO) leads our sustainability strategy teams and shares regular progress updates with our CEO and the Governance and Nominating Committee of the Board of Directors. The EVP-CFO, CSO is supported by a team of professionals who facilitate progress toward our goals. This includes managing or mitigating risks and pursuing opportunities for continuous improvement. Our CEO and EVP-CFO, CSO work with Tyson's Enterprise Leadership Team and senior leadership to oversee our ESG strategy, including communications, disclosures and reporting. John R. Tyson was appointed Executive Vice President, Strategy and Chief Sustainability Officer in October 2021 after serving as Chief Sustainability Officer since September 2019, and Director, Office of the Chief Executive Officer since May 2019. Mr. Tyson has been an observer at the Company's board of directors' meetings since 2014. Effective October 2, 2022, Mr. Tyson was appointed Executive Vice President and Chief Financial Officer. Mr. Tyson maintains his responsibilities for corporate development, strategy and sustainability concurrently with his appointment to Chief Financial Officer. The EVP-CFO, CSO is supported by a team of professionals who facilitate progress toward our goals. For more information about our Board of Directors and corporate governance practices, please visit Investor Relations at tysonfoods.com or refer to our FY2022 Proxy Statement.

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	Reviewing and guiding business plans Reviewing and guiding major plans of action	Our Executive Vice President, Chief Financial Officer, and Chief Sustainability Officer (EVP-CFO, CSO) reports regularly to our CEO and the Governance and Nominating Committee of our Board of Directors. In early 2021, the Governance and Nominating Committee was formally assigned the responsibility to assist the Board on matters relating to corporate responsibility and sustainability, including environmental, social and governance matters affecting the company.

W6.2d

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

	Board member(s) have competence on water-related issues	Criteria used to assess competence of board member(s) on water-related issues	Primary reason for no board-level competence on water-related issues	Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future
Row 1	Yes	Director nominees are selected for, among other things, their integrity, independence, diversity of experience, business or other relevant experience or expertise, proven leadership skills, their ability to exercise sound judgment, understanding of the Company's business environment, willingness to devote adequate time and effort to Board responsibilities, and, with respect to incumbent directors, his or her performance and level of participation. With respect to environmental, social and governance (ESG) matters, the Chair of the Board's Governance and Nominating Committee brings experience as a former executive of the Company and expertise in legal, regulatory and compliance matters, and is well suited to the Committee's role in overseeing the company's ESG strategy and reporting.	<Not Applicable>	<Not Applicable>

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 Executive Officer (CEO)

Water-related responsibilities of this position
Assessing water-related risks and opportunities
Managing water-related risks and opportunities

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

Please explain
With oversight from our Board, our president and chief executive officer leads Tyson's ESG approach. Our Enterprise Leadership Team ("ELT") conducts periodic reviews of the Formula to Feed the Future strategy, data and progress against our commitments and goals and emerging ESG risks, challenges and opportunities. Our Executive Vice President, Chief Financial Officer, and Chief Sustainability Officer (EVP-CFO, CSO), collectively with our Chief Executive Officer and other members of the ELT, oversees the development and implementation of ESG strategy, communications, disclosures and reporting, and reports to our Chief Executive Officer.

Name of the position(s) and/or committee(s)
Chief Financial Officer (CFO)

Water-related responsibilities of this position
Assessing water-related risks and opportunities
Managing water-related risks and opportunities

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

Please explain
Our Executive Vice President, Chief Financial Officer, and Chief Sustainability Officer (EVP-CFO, CSO) reports regularly to our CEO and the Governance and Nominating Committee of our Board of Directors. In early 2021, the Governance and Nominating Committee was formally assigned the responsibility to assist the Board on matters relating to corporate responsibility and sustainability, including environmental, social and governance matters affecting the company. The EVP-CFO, CSO is supported by a team of professionals who facilitate progress toward our goals. This includes managing or mitigating risks and pursuing opportunities for continuous improvement. Our CEO and EVP-CFO, CSO work with Tyson's Enterprise Leadership Team and senior leadership to oversee our ESG strategy, including communications, disclosures and reporting.

W6.4

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

	Provide incentives for management of water-related issues	Comment
Row 1	No, and we do not plan to introduce them in the next two years	

W6.5

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

Yes, direct engagement with policy makers
Yes, trade associations
Yes, other

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?

Water touches everything we do at Tyson Foods — from the irrigation needed to grow the grain that feeds poultry and livestock to our processing plants where we use water to process animals, cook prepared foods and clean our facilities. We view availability of water of suitable quality and volume as being a finite resource that must be used and managed responsibly from farm to finished product. Food safety and quality is our top priority and water is essential to producing safe food. We aim to balance responsible water stewardship with protecting the quality and safety of our products. For example, we have engaged and collaborated with both the US Department of Agriculture and the US Environmental Protection Agency to identify food processing solutions that protect food safety while conserving water. Tyson Foods engages in trade associations, such as the North American Meat Institute, on water stewardship opportunities. Our goals for water stewardship are aligned with Alliance for Water Stewardship guidance which is an internationally recognized standard. By utilizing a recognized set of practices we can create consistency in our actions and responses to water-related challenges. We also utilize an Environmental Management Standard (EMS) throughout the company. By design, if an inconsistency is discovered our EMS system with its "plan-do-check-act" approach will help not only catch issues and inconsistencies, but drive corrections of such matters.

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	5-10	Water issues, from the irrigation needed to grow the grain that feeds poultry and livestock, to our processing plants where we use water to process animals, cook prepared foods and clean our facilities, are integrated into our long-term business objectives. We also recognize natural disasters or extreme weather, including droughts, floods, excessive cold or heat, hurricanes or other storms, could impair the health or growth of livestock or interfere with our operations. In 2017-18 Tyson Foods collaborated with the World Resources Institute (WRI) to conduct a Water Risk Assessment. As part of this risk assessment we conducted an analysis of certain water issues such as water risk and scarcity across our direct operations and our supply chain in the United States using the WRI Aqueduct tool. Eleven facilities were identified to be in high-risk areas. In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date. The site-specific plans consist consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2)water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	Access to suitable quantities of water is key to achieving our long-term objectives and integrated into our strategic business plan. As part of our strategic activities around water access, in 2017-18 Tyson Foods collaborated with the World Resources Institute (WRI) to conduct a Water Risk Assessment. As part of this risk assessment we conducted an analysis of water related issues such as water risk and scarcity across our direct operations and our supply chain in the United States using the WRI Aqueduct tool. Eleven facilities were identified to be in high-risk areas. In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date. The site- specific plans consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2)water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.
Financial planning	Yes, water-related issues are integrated	5-10	Natural disasters, fire, bioterrorism, pandemic or extreme weather, including water issues such as droughts, floods, excessive cold or heat, hurricanes or other storms, could impair the health or growth of livestock or interfere with our operations due to power outages, fuel shortages, decrease in availability of water, damage to our production and processing facilities or disruption of transportation channels or unfavorably impact the demand for, or our consumers' ability to purchase our products, among other things. Any of these factors could have a long-term adverse effect on our financial results.

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)

-10

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

0

Water-related OPEX (+/- % change)

1

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

1

Please explain

CAPEX can vary significantly from year to year based on newly enacted regulatory requirements relating to water and changes in food safety concerns. OPEX increases will be proportional to any increases in CAPEX but overall OPEX will raise in accordance with the inflation rate. In the case of this reporting year, COVID-related impacts, e.g. reduced production, labor availability, etc. all had a negative impact on CAPEX business spending related to water. CAPEX spending that did occur was related to water conservation and savings projects tied to production processes. OPEX increased in line with the inflation rate.

W7.3

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

	Use of scenario analysis	Comment
Row 1	Yes	

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	Climate-related	We do not have a formalized climate-related risk assessment or management process but consider climate related risks and opportunities through initiatives aimed at risk management, environmental compliance, and reduction of greenhouse gas emissions. Specific to water, impacts of climate on water stress were considered during water risk assessments conducted in 2017-2018.	As part of the 2017-18 Water Risk Assessment, we identified that extreme weather, including droughts, could impair the health or growth of livestock or interfere with our operations due to a decrease in availability of water.	Access to suitable quantities of water is key to achieving our long-term objectives and integrated into our strategic business plan. As part of our strategic activities around water access, in 2017-18 Tyson Foods collaborated with the World Resources Institute (WRI) to conduct a Water Risk Assessment. As part of this risk assessment, we conducted an analysis of water related issues such as water risk and scarcity across our direct operations and our supply chain in the United States using the WRI Aqueduct tool. Eleven facilities were identified to be in high-risk areas. In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date. The site- specific plans consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2)water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.

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

We recognize that the base price paid for water does not necessarily reflect it true value when risk is factored in. Several publicly available models have been reviewed but we have not found any that we feel provide an estimation method that reflects what we consider to be a reasonable reflection of risks and true cost. We intend to continue to pursue evaluation in this area.

W7.5

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

	Products and/or services classified as low water impact	Definition used to classify low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	No, and we do not plan to address this within the next two years	<Not Applicable>	Other, please specify (We address water impacts at a commodity-level in our value chain, and do not quantify them on a product-by-product basis.)	Tyson has not classified any products or services as a low impact.

W8. Targets

W8.1

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

Yes

W8.1a

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

	Target set in this category	Please explain
Water pollution	No, and we do not plan to within the next two years	In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date. The site-specific plans consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2) water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.
Water withdrawals	No, and we do not plan to within the next two years	In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date. The site-specific plans consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2) water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.
Water, Sanitation, and Hygiene (WASH) services	No, and we do not plan to within the next two years	In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date. The site-specific plans consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2) water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.
Other	No, and we do not plan to within the next two years	In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date. The site-specific plans consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2) water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.

W8.1b

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

Target reference number
Target 1

Category of target
<Not Applicable>

Target coverage
Company-wide (direct operations only)

Quantitative metric
Other, please specify

Year target was set
2019

Base year
2019

Base year figure
0

Target year
2025

Target year figure
11

Reporting year figure
7

% of target achieved relative to base year
63.6363636363636

Target status in reporting year
Underway

Please explain
In 2019, Tyson committed to developing Contextual Water Plans at 11 of our high-risk locations in the U.S. by 2025. We have completed seven of these plans to date. The site-specific plans consist of (1) water quantity initiatives to reduce use or make use more efficient on Tyson property; (2) water quality targets to reduce or protect nutrient risk to the source; (3) water governance and targets to enhance existing relationships and promote good partnerships in the watershed, and (4) water access, safety and hygiene (WASH) services, which are required by federal and state regulations.

W9. Verification

W9.1

(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?
No, we do not currently verify any other water information reported in our CDP disclosure

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	Please select	<Not Applicable>	

W10.2

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

	Impact assessment	Value chain stage	Please explain
Row 1	Please select	<Not Applicable>	

W10.3

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

	Risk exposure	Value chain stage	Type of risk	Please explain
Row 1	Please select	<Not Applicable>	<Not Applicable>	

W10.4

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

	Targets in place	Target type	Target metric	Please explain
Row 1	Please select	<Not Applicable>	<Not Applicable>	

W10.5

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

	Activity applies	Comment
Production of plastic polymers	Please select	
Production of durable plastic components	Please select	
Production / commercialization of durable plastic goods (including mixed materials)	Please select	
Production / commercialization of plastic packaging	Please select	
Production of goods packaged in plastics	Please select	
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	Please select	

W11. Sign off

W-FI

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

W11.1

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

	Job title	Corresponding job category
Row 1	Executive Vice President, Chief Financial Officer, and Chief Sustainability Officer (EVP-CFO, CSO)	Chief Financial Officer (CFO)