DuPont de Nemours, Inc. - Water Security 2021

W0. Introduction

W0.1

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

DuPont is a global innovation leader with technology-based materials, ingredients and solutions that help transform industries and everyday life by applying diverse science and expertise to help customers advance their best ideas and deliver essential innovations in key markets including electronics, transportation, building and construction, health and wellness, food and worker safety. The Company had approximately 34,000 employees as of December 31, 2020. The Company has subsidiaries in about 60 countries worldwide and manufacturing operations in about 40 countries.

Net sales in 2020 were approximately $20.4 billion (B), which includes approximately $6.1 B in revenue from Nutrition & Biosciences (N&B) and $666 million in revenue from businesses held in Corporate, including Clean Technologies, Biomaterials and the Solamet®, which were previously aligned to our Non-Core business.

In December 2019, DuPont entered into definitive agreements to divest N&B and combine it with International Flavors & Fragrances

Inc. In February 2021, we completed the N&B transaction.

For purposes of the CDP, references to “the Company” or “DuPont” refers to DuPont de Nemours, Inc., as it existed from Jan 1, 2020 through December 31, 2020. The CDP Climate Change response reflects the Company’s information for the calendar year ended December 31, 2020.

W-CH0.1a

(W-CH0.1a) Which activities in the chemical sector does your organization engage in?

Specialty organic chemicals
Other, please specify (Specialty materials)

W0.2

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

	Start date	End date
Reporting year	January 1 2020	December 31 2020

W0.3

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

Argentina
Australia
Austria
Belgium
Brazil
Canada
Chile
China
Colombia
Czechia
Denmark
Finland
France
Germany
India
Ireland
Italy
Japan
Luxembourg
Malaysia
Mexico
Netherlands
Norway
Philippines
Republic of Korea
Saudi Arabia
Singapore
South Africa
Spain
Switzerland
Taiwan, Greater China
Thailand
United Kingdom of Great Britain and Northern Ireland
United States of America

W0.4

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

USD

W0.5

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

Companies, entities or groups over which operational control is exercised

W0.6

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

Yes

W0.6a

(W0.6a) Please report the exclusions.

Exclusion	Please explain
Small offices, warehouses, small R&D facilities and very small manufacturing sites	Some small sites are not required to report water usage because they do not meet a de minimis standard for water usage. None of these sites have a manufacturing or production footprint, and therefore represent a statistically insignificant portion of our overall effluents and other discharge parameters. The maximum potential total water withdrawal of the 20 sites that do not meet our de minimis standard for water reporting, and the 120 sites that do not meet our de minimis standard for environmental reporting overall (due to lack of production/manufacturing footprint and site headcount <10 employees), is 140 million gallons, which is less than 0.5 percent of our total water withdrawal.

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	Most operations in our businesses rely on high quality freshwater in manufacturing, including for steam generation, washing, slurrying, reaction mediums and incorporation into products, which makes good quality freshwater vital to our operations. There is also a need for sufficient potable water for employee/contractor drinking, showering and on-site domestic uses, which makes good quality freshwater important for our indirect operations, but not vital as we can take advantage of filtered and/or recycled water. Some of our primary products in 2020, including food additives and enzymes, acids and other specialty chemicals are typically used in a water medium. In February of 2021, we divested a business that was our largest consumer of water, which will impact the quantity of fresh water we consume. We could further reduce our dependency on good quality freshwater in the future if there are regulatory, environmental, or economic drivers incentivizing the transition.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Neutral	Many operations make use of recycled and other types of non-freshwater water to reduce their uses of freshwater where possible. Several sites in shore locations use seawater for cooling purposes rather than freshwater. At many sites, we can implement our own water filtration technology, which makes recycled and brackish water important, but not vital. Most of the types of products mentioned in the row above are likely to require good quality freshwater. In our indirect operations, recycled or produced water may be used opportunistically, but it is not considered as important as freshwater. In February 2021, we divested a business that was our largest consumer of water, which will impact the quantity of recycled, brackish and/or produced water needed for our operations.

W1.2

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

	% of sites/facilities/operations	Please explain
Water withdrawals – total volumes	100%	All manufacturing/production sites and all significant non-manufacturing sites are required to monitor monthly and report annually on this water aspect. Reporting to corporate is optional for minor non-manufacturing sites that fall below a de minimus standard.
Water withdrawals – volumes by source	100%	All manufacturing/production sites and all significant non-manufacturing sites are required to monitor monthly and report annually on this water aspect. Reporting to corporate is optional for minor non-manufacturing sites that fall below a de minimus standard.
Entrained water associated with your metals & mining sector activities - total volumes [only metals and mining sector]	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>
Water withdrawals quality	100%	All manufacturing/production sites assess incoming water quality as it is withdrawn throughout the year to determine if it needs to treat it for its intended processes. They may use Ph tests or other tests to determine TSS, BOD or COD parameters. For instance, if DuPont requires water for the creation of a food ingredient, water quality must be of an extremely high standard when compared to production processes for products that are not be intended for human consumption. All non-manufacturing sites procure only potable water for employee needs. For example, we ensure that all third-party water meets drinking water standards.
Water discharges – total volumes	100%	We calculate this number for all sites by subtracting water consumption from water withdrawal. All manufacturing/production sites and all significant non-manufacturing sites are required to monitor monthly and report annually on water consumption and withdrawal. Plant sites that require discharge permits are required to measure water flow.
Water discharges – volumes by destination	Not monitored	This is not monitored at the corporate level. Sites monitor and report this aspect as required by regulations and permit standards.
Water discharges – volumes by treatment method	Not monitored	This is not monitored at the corporate level. Sites monitor and report this aspect as required by regulations and permit standards.
Water discharge quality – by standard effluent parameters	Not monitored	This is not monitored at the corporate level. Sites monitor and report this aspect as required by regulations and permit standards.
Water discharge quality – temperature	Not monitored	This is not monitored at the corporate level. Sites monitor and report this aspect as required by regulations and permit standards.
Water consumption – total volume	100%	All manufacturing/production sites and all significant non-manufacturing sites are required to monitor monthly and report annually on this water aspect. Monitoring and reporting is optional for minor non-manufacturing sites that fall below a de minimus standard.
Water recycled/reused	Not monitored	This is not monitored at the corporate level. Some sites use recycled water for cooling processes.
The provision of fully-functioning, safely managed WASH services to all workers	100%	All sites are required to provide safe and adequate WASH services to all workers, and we monitor this aspect monthly or more frequently, in line with our Core Values, our Commitment to Zero and our internal Environmental, Health and Safety policies.

W1.2b

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

	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Total withdrawals	172244	About the same	The slight fluctuation in water withdrawals and consumption are proportionate with the slight fluctuation in production output across our most water-intensive sites in 2020.
Total discharges	115200	About the same	We calculate this number for all sites by subtracting water consumption from water withdrawal. The slight fluctuation in water withdrawals and consumption are proportionate with the slight fluctuation in production output across our most water-intensive sites in 2020.
Total consumption	57044	About the same	The slight fluctuation in water withdrawals and consumption are proportionate with the slight fluctuation in production output across our most water-intensive sites in 2020.

W1.2d

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

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Identification tool	Please explain
Row 1	Yes	1-10	About the same	WRI Aqueduct	To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas to identify operational locations facing “high” to “extremely high” baseline water stress currently or by 2030. In 2020, 4.7% of our water withdrawals were from water-stressed regions according to preliminary results from the WRI tool.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Relevant	126362	About the same	Most of our plants are located near large sources of non-scarce fresh surface water. We use fresh surface water for many manufacturing and operational processes that require varying levels of quality. For instance, for a once-through cooling process, the surface water will be collected, used to cool the equipment, and then discharged through a non-contact cooling water outfall to an approved location. The slight fluctuation in freshwater withdrawals is proportionate with the slight fluctuation in production output across our most water-intensive sites in 2020.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	Most of our plants are located near large sources of non-scarce fresh surface water, and we choose to use that when possible due to the corrosive properties of saltwater.
Groundwater – renewable	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	DuPont avoids using groundwater when sufficient quantities of fresh surface water are available. When groundwater is used, we do not stratify between renewable and non-renewable groundwater, and we therefore code all groundwater withdrawals as “non-renewable.” In 2020, in line with our ongoing efforts towards water stewardship, we will conduct a survey of all DuPont sites to better understand their water use and water impacts. This survey will help us understand which types of groundwater our sites use.
Groundwater – non-renewable	Relevant	23294	About the same	DuPont avoids using groundwater when sufficient quantities of fresh surface water are available. When necessary, some DuPont sites extract and treat groundwater for their processes that require high quality water. For example, this water can be used as a chemical medium, for slurrying or a number of other processes. The volume listed in this row may also represent some renewable groundwater. The slight fluctuation in groundwater withdrawals is proportionate with the slight fluctuation in production output across our most water-intensive sites in 2020.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	The company does not produce significant amounts of water.
Third party sources	Relevant	22588	About the same	We purchase water in instances where the company needs potable water, such as drinking water and WASH purposes. The slight decrease in purchased water (about 2,000 mL) reflects a significant portion of our employee population working remotely during the majority of 2020.

W-CH1.3

(W-CH1.3) Do you calculate water intensity for your activities in the chemical sector?

Yes

W-CH1.3a

(W-CH1.3a) For your top five products by production weight/volume, provide the following water intensity information associated with your activities in the chemical sector.

Product type
Other, please specify (Specialty materials and specialty chemicals)

Product name
All specialty materials and chemicals

Water intensity value (m3)
20.05

Numerator: water aspect
Total water consumption

Denominator
Ton

Comparison with previous reporting year
About the same

Please explain
Total water consumption indexed to total production is 20.0534 m3/ton, compared to 17.6706 m3/ton in 2019. The slight fluctuation in water intensity is proportionate with the slight fluctuation in production output across our most water-intensive sites in 2020, but on average there were no significant changes to our operational water usage footprint. DuPont has many integrated operations that produce multiple products simultaneously. As such it is difficult to separate out water intensity by individual product. Internally, we may use water intensity to assess equipment and/or process efficiency. In the future we anticipate a slight decrease in water intensity due to business divestitures completed in 2021. To help ensure we meet our 2030 Leading Water Stewardship goal, we will conform to the Alliance for Water Stewardship International Water Stewardship Standard (the AWS Standard) for sites where we've determined that there could be significant water risks. In many instances, this strategy will help us reduce our water intensity.

W1.4

(W1.4) Do you engage with your value chain on water-related issues?
Yes, our suppliers
Yes, our customers or other value chain partners

W1.4a

(W1.4a) What proportion of suppliers do you request to report on their water use, risks and/or management information and what proportion of your procurement spend does this represent?

Row 1

% of suppliers by number
76-100

% of total procurement spend
76-100

Rationale for this coverage
DuPont was a leader in the development of the American Chemistry Council's Responsible Care® Codes of Management Practices. DuPont integrated aspects of the Responsible Care® Codes of Management Practices into its supplier evaluation procedures to support its strong efforts in the areas of safety and health, process safety, environmental, distribution, product stewardship, community awareness and emergency response, and security. Supplier evaluation forms are mandatory for all new suppliers.

Impact of the engagement and measures of success
Among other elements, we evaluate all new suppliers on the robustness of their environmental, health and safety policies—including compliance, employee training, existing environmental policies, auditing practices and more. A point system is applied and weighted along with other assessment factors. For suppliers, success may be successful adherence to the DuPont Supplier Code of Conduct. As a result of this evaluation, we determine a risk profile for each new supplier. Based on that risk procedure, we determine if any follow-up evaluations or audits are needed.

Comment

W1.4b

(W1.4b) Provide details of any other water-related supplier engagement activity.

Type of engagement
No other supplier engagements

Details of engagement
<Not Applicable>

% of suppliers by number
<Not Applicable>

% of total procurement spend
<Not Applicable>

Rationale for the coverage of your engagement
At this time we routinely survey our suppliers for water impact using existing tools on the market, described in Row 1 of W1.4b. We will consider expanding the scope of our supplier engagement when our supply chain risk assessment highlights other parameters for evaluation.

Impact of the engagement and measures of success
<Not Applicable>

Comment
<Not Applicable>

W1.4c

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

DuPont engages multiple stakeholders along our value chains on water. For instance, sites in regions that have stakeholder conflict around water issues maintain a stakeholder engagement plan with local organizations that may be interested in our water stewardship performance, per our ISO 14001 guidance on interested party analysis and communication. ISO 14001 outlines how to identify interested parties (stakeholders) and our sites create stakeholder engagement plans tailored to the site's water impacts and the interests of the stakeholders engaged. As each stakeholder engagement plan is tailored to the needs of the stakeholders near each respective site, success measures are unique to each plan. Success in one instance may be the publication of an impact study.

DuPont Water Solutions (DWS) engages with current and potential customers and partners to understand their unique water needs, and to solve their challenges with our global network of accessible knowledge and a market-leading portfolio of purification and separation technologies. Success in these instances can be, for instance, an innovation-based collaboration or customer-supplier partnership. For instance, in 2020, DWS began a collaboration with Waterise, an energy company that aims to provide solutions to the global water shortage. The collaboration aims to provide seawater reverse osmosis membranes—which purify water—and expertise to the company's sub-sea desalination plants. Sub-sea desalination presents a more sustainable way to turn seawater to freshwater. It uses the natural hydrostatic pressure found at the depths of the sea to run the reverse osmosis, reducing the energy requirements of the desalination process by 40%. Sub-sea desalination also requires 80% less coastal land than land-based plants, presenting a viable option for communities with limited space. This process also requires lower amounts of pretreatment chemicals and eliminates the discharge of concentrated brine into coastal waters.

W2. Business impacts

W2.1

(W2.1) Has your organization experienced any detrimental water-related impacts?
No

W2.2

(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?
Yes, fines, enforcement orders or other penalties but none that are considered as significant

W2.2a

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

Row 1

Total number of fines
1

Total value of fines
40

% of total facilities/operations associated
0.01

Number of fines compared to previous reporting year
About the same

Comment
Administrative related fine of $40 USD at one site.

W3. Procedures

W-CH3.1

(W-CH3.1) How does your organization identify and classify potential water pollutants associated with its activities in the chemical sector that could have a detrimental impact on water ecosystems or human health?

DuPont follows all applicable regulation related to water consumption, use and discharge. In the United States, the U.S. EPA Clean Water Act (CWA) establishes the basic structure for regulating discharges of pollutants into U.S. waters, and for regulating quality standards for surface waters. Under the CWA, EPA has implemented pollution control programs such as setting wastewater standards for each industry, including the specialty products industry in which DuPont operates. Under the CWA, the National Pollutant Discharge Elimination System (NPDES) permit program addresses water pollution by regulating point sources, such as facilities, that discharge pollutants to U.S. waters.

The NPDES regulations required by states and local governing bodies require permits for water discharges. Those permits are reviewed according to the unique water circumstances of the facility and the local water bodies. NPDES requires that we list in our permit applications the pollutants that we would reasonably expect to be present in our effluent. We identify the pollutants listed on discharge permits through a number of means, such as analytical research or process knowledge.

Our policy is to strive to meet or exceed compliance with water discharge regulations across all operations.

In addition to our Commitment to Environmental, Health and Safety policy, we maintain several internal policies related to water maintenance, disinfection of water utilities, wastewater treatment, stormwater containment, and more. DuPont has presence in 60 countries worldwide. Where regulations do not align with our internal standards prescribed by our analytical research or process knowledge, we operate beyond compliance. We communicate our environmental standards to other partners in our value chain, such as suppliers and distributors.

W-CH3.1a

(W-CH3.1a) Describe how your organization minimizes adverse impacts of potential water pollutants on water ecosystems or human health. Report up to ten potential pollutants associated with your activities in the chemical sector.

Potential water pollutant	Value chain stage	Description of water pollutant and potential impacts	Management procedures	Please explain
Stormwater drainage	Direct operations	Industrial stormwater, such as precipitation, snowmelt, surface runoff, and drainage that may be negatively impacted by materials stored outdoors.	Compliance with effluent quality standards Measures to prevent spillage, leaching, and leakages	Many industrial sites are required to create a stormwater pollution prevention plan to minimize discharge of pollutants during storm events. Similarly, our ISO 14001 management system requires all significant environmental aspects be identified and controlled. For instance, we may ensure secondary containment around raw material and waste storage. Success can be measured by compliance and/or a reduction of industrial stormwater runoff.
Effluent	Direct operations	Wastewater discharge from industrial operations that may impact the health of aquatic ecosystems, or the health of local populations that use the water receiving the effluent.	Compliance with effluent quality standards Measures to prevent spillage, leaching, and leakages	DuPont strives to meet or exceeds compliance for all its operations. See W-CH3.1 for more details on our compliance with water discharge regulations. We also maintain an internal standard and policy related to groundwater protection. These documents help us ensure our sites reduce risk for contaminating groundwater, and provides a process for minimizing pollution risk if necessary.
Salts, solids, and other substances that occur in water	Product use	Salts, solid particles, and other substances that occur naturally in water or that are added to water due as a result of on-land activities	Providing best practices instructions on product use	The DuPont FilmTec™ portfolio consists of nanofiltration and reverse osmosis separation-technology products that are highly effective in purifying industrial, municipal, commercial, and consumer water applications. For instance, FilmTec™ reverse osmosis membrane elements are very effective at industrial process water treatment. In many instances, we engage directly with our industrial, municipal and commercial customers over the course of the business relationship to ensure the product meets their needs and that they understand best practice use instructions. Success is measured by product performance and lifetime. For instance, FilmTec™ brackish water elements have an unsurpassed high-active membrane surface area that produces 99.5 percent or greater typical salt rejection performance.

W3.3

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

Yes, water-related risks are assessed

W3.3a

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

Direct operations

Coverage

Full

Risk assessment procedure

Water risks are assessed as a standalone issue

Frequency of assessment

Annually

How far into the future are risks considered?

More than 6 years

Type of tools and methods used

Tools on the market

Tools and methods used

WRI Aqueduct
WWF Water Risk Filter
Other, please specify (External consultants)

Comment

In 2019, we began to examine our new global footprint to understand where and how DuPont de Nemours operations interact with local watersheds. To better understand the water risks and impacts at our sites, we used the WRI Aqueduct Water Risk Atlas to identify operational locations facing “high” to “extremely high” baseline water stress currently or by 2030. To gain further insights, in 2020 we used WWF’s Water Risk Filter to model additional factors related to water stress for all DuPont sites around the world. The WWF tool helps us assess water risks using an expanded set of parameters, such as reputation and regulatory risk, flooding, freshwater biodiversity and other water basin factors that may affect business continuity in the future. For sites that were rated “high” or “med-high” according to the WWF Risk Filter and/or rated “high” or “extremely high” according to the WRI Aqueduct Water Risk Atlas, we conducted an additional internal water risk assessment with the help of a third-party consulting firm. Sites that are found to have significant water risk at the conclusion of this three-tiered water risk assessment process are targeted to conform to the Alliance for Water Stewardship (AWS) Standard in their operations. We will audit sites against their respective risk management procedures on an annual basis.

Supply chain

Coverage

Partial

Risk assessment procedure

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

Frequency of assessment

Annually

How far into the future are risks considered?

More than 6 years

Type of tools and methods used

Enterprise Risk Management

Tools and methods used

COSO Enterprise Risk Management Framework
ISO 31000 Risk Management Standard

Comment

In 2020, DuPont, management refreshed our ERM process, including performing a maturity assessment on the current state and desired future state, formalizing an internal governance structure to oversee the annual re-assessment and re-prioritization of enterprise level risks and creating consistent framework, policies, and procedures for identifying and assessing enterprise level risks. The ERM team interviewed leaders from all businesses and functions to identify, assess, and prioritize the top risks to the Company. We then quantified those risks by creating and analyzing risk scenarios and the financial risk exposure associated with each scenario. Each top risk was assessed on impact, likelihood, perceived preparedness, among other factors such as short-, med-, and long- term time horizons, in line with the appropriate time horizons for the operations, market analyses, legislation, etc., that correspond with the top risks. One of the top risks identified was business continuity, and a risk scenario we examine for business continuity includes climate change impacts, and the associated water-related weather events, to our operations. This risk will be monitored to assess the design and operating effectiveness of the existing controls framework and assess mitigations in place and highlight potential enhancements to reduce threats and increase opportunities to support the Company’s strategic objectives.

Other stages of the value chain

Coverage
None

Risk assessment procedure
<Not Applicable>

Frequency of assessment
<Not Applicable>

How far into the future are risks considered?
<Not Applicable>

Type of tools and methods used
<Not Applicable>

Tools and methods used
<Not Applicable>

Comment

W3.3b

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

	Relevance & inclusion	Please explain
Water availability at a basin/catchment level	Relevant, always included	In 2019, we began to examine our new global footprint to understand where and how DuPont de Nemours operations interact with local watersheds. We withdraw and purchase water from various local sources and entities for the purposes of conducting business. Some of that water is treated and returned to a local waterbody; some is rendered in our manufacturing processes, or used for other purposes such as employee health and hygiene. To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas to identify operational locations facing "high" to "extremely high" baseline water stress currently or by 2030. To gain further insights, in 2020 we used WWF's Water Risk Tool to model additional factors related to water stress for all DuPont sites around the world, using the threshold of "med-high" or "high." The WWF tool helps us assess water risks using an expanded set of parameters, such as reputation and regulatory risk, flooding, freshwater biodiversity and other water basin factors that may affect business continuity in the future.
Water quality at a basin/catchment level	Relevant, always included	Most operations in our businesses rely on high quality freshwater in manufacturing, including for steam generation, washing, slurrying, reaction mediums and incorporation into products, which makes good quality freshwater vital to our operations. There is also a need for sufficient potable water for employee/contractor drinking, showering and on-site domestic uses, which makes good quality freshwater important for our indirect operations, but not vital as we can take advantage of filtered and/or recycled water. Some of our primary products in 2020, including food additives and enzymes, acids and other specialty chemicals are typically used in a water medium. In February of 2021, we divested a business that was our largest consumer of water, which will impact the quantity of fresh water we consume. To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas and the WWF Risk Filter to identify operational locations facing "med-high", "high" or "extremely high" baseline water stress and/or water risk exposure currently or by 2030. We then conducted our own intern water risk assessment. Water quality was included in all three assessments we conducted.
Stakeholder conflicts concerning water resources at a basin/catchment level	Relevant, always included	DuPont has presence in over 60 countries around the world, and we respect the communities that surround our sites. Facilities that have identified water as a significant aspect, and that operate in regions that have stakeholder conflict around water resources, maintain a stakeholder engagement plan with local organizations that may be interested in our water stewardship performance, per our ISO 14001 guidance on interested party analysis and communication. ISO 14001 outlines how to identify interested parties (stakeholders) and our sites create stakeholder engagement plans tailored to the site's water impacts and the interests of the stakeholders engaged. As each stakeholder engagement plan is tailored to the needs of the stakeholders engaged by each respective site, success measures are unique to each plan. To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas and the WWF Risk Filter to identify operational locations facing "med-high", "high" or "extremely high" baseline water stress and/or water risk exposure currently or by 2030. Stakeholder conflict and other aspects of local public sentiment are included in the scope of both assessments.
Implications of water on your key commodities/raw materials	Relevant, always included	The acute and chronic physical impacts of climate change, such as an increase in the number and severity of hurricanes, floods, and other water-related storms and natural disasters, could potentially disrupt our supply chain. We analyze this risk as part of our enterprise risk management exercise. Our ERM assessment followed COSO ERM and ISO 13000 standards.
Water-related regulatory frameworks	Relevant, always included	All DuPont operations strive to meet or exceed compliance with all applicable regulations. To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas and the WWF Risk Filter to identify operational locations facing "med-high", "high" or "extremely high" baseline water stress and/or water risk exposure currently or by 2030. Water-related regulatory frameworks are included in the scope of the WRI assessment.
Status of ecosystems and habitats	Relevant, sometimes included	Protect the Planet is a DuPont core value. We understand the need to protect biodiversity around our operations. To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas to identify operational locations facing "high" to "extremely high" baseline water stress currently or by 2030. Water availability is included in the WRI assessment. To gain further insights, in 2020 we used WWF's Water Risk Tool to model water stress for all DuPont sites around the world The WWF tool will help us assess water risks using an expanded set of parameters, such as freshwater biodiversity, flooding and governance, parameters that impact ecosystems and habitats. The importance of biodiversity is included in the scope of the WWF assessment.
Access to fully-functioning, safely managed WASH services for all employees	Relevant, always included	Respect for People is a DuPont core value. We understand the need to provide our employees with clean water for their drinking, sanitation and hygiene needs while at our operations. During standard due diligence procedures for all new and existing operations, we ensure that local access to potable water is sufficient for our operational needs, which include the health, safety and sanitation needs of our employees.
Other contextual issues, please specify	Not relevant, explanation provided	We evaluated multiple water risk parameters through our three-tiered water risk assessment process, and found only those mentioned to be relevant to our operations.

W3.3c

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

	Relevance & inclusion	Please explain
Customers	Relevant, always included	In 2018, we conducted a materiality assessment to determine the strategic sustainability priorities for the specialty products businesses, from a risk and opportunity standpoint. We held workshops with customers, investors, suppliers, NGOs and internal stakeholders representing each of our businesses, to find out which topics they thought DuPont's new sustainability strategy and 2030 Sustainability Goals could potentially address. Water stewardship was identified as one of six key issues for the company to address. Also, DuPont Water Solutions offers a broad portfolio of globally recognized, industry-leading water solutions to help customers produce, purify, and extract some of the world's most commercially important products. We engage customers during trade shows, innovation workshops, multi-stakeholder events, etc,, from industries across the globe, including residential and municipal, power generation, oil and gas, healthcare, commercial industries, chemical and petrochemical, microelectronics, and food and beverage. As water conditions and regulations change in for various regions and industries, DuPont Water Solutions is poised to help customers face their water challenges with our portfolio of solutions.
Employees	Relevant, always included	DuPont's Core Value of Respect for People necessitates that we provide access to safe WASH services for our employees at all of our sites. Facilities that have identified water as a significant aspect, and that operate in regions that have stakeholder conflict around water resources, maintain a stakeholder engagement plan with local organizations that may be interested in our water stewardship performance, per our ISO 14001 guidance on interested party analysis and communication. ISO 14001 outlines how to identify interested parties (stakeholders) and our sites create stakeholder engagement plans tailored to the site's water impacts and the interests of the stakeholders engaged. Employees are a named stakeholder in our ISO 14001 guidance on stakeholder engagement, and we communicate with them on relevant water issues through electronic communications and digital signage, and through our sustainability reporting, which is published on at least an annual basis. Sites are audited against this standard.
Investors	Relevant, always included	In 2018, we conducted a materiality assessment to determine the strategic sustainability priorities for the specialty products businesses, from a risk and opportunity standpoint. We held workshops with customers, investors, suppliers, NGOs and internal stakeholders representing each of our businesses, to find out which topics they thought DuPont's new sustainability strategy and 2030 Sustainability Goals could potentially address. Water stewardship was identified as one of six key issues for the company to address. On an ongoing basis, we communicate with investors on relevant water issues via various investor-focused surveys and questionnaires, special events and direct phone calls, as well as our annual sustainability report.
Local communities	Relevant, always included	DuPont's Core Values of Protect the Planet and Respect for People necessitate that we consider the impact of our operations on local communities in any risk assessment we conduct related to our operations. Facilities that have identified water as a significant aspect, and that operate in regions that have stakeholder conflict around water resources, maintain a stakeholder engagement plan with local organizations that may be interested in our water stewardship performance, per our ISO 14001 guidance on interested party analysis and communication. This communication may, as appropriate, include published materials or town hall-style events or facility tours that may be open to local groups and certain members of the community. Sites are audited against the ISO 14001 standard. We also engage local communities as part of our standard Community Impact community outreach and engagement efforts, which may include local environmental education and/or improvement efforts.
NGOs	Relevant, sometimes included	In 2018, we conducted a materiality assessment to determine the strategic sustainability priorities for the specialty products businesses, from a risk and opportunity standpoint. We held workshops customers, investors, suppliers, NGOs and internal stakeholders representing each of our businesses, to find out which topics they thought DuPont's new sustainability strategy and 2030 Sustainability Goals could potentially address. Water stewardship was identified as one of six key issues for the company to address. We engage NGOs around material sustainability issues such as water directly and as members of trade associations and local public-private initiatives, as part of our routine Government Affairs processes.
Other water users at a basin/catchment level	Relevant, always included	Facilities in regions that have stakeholder conflict around water resources maintain a stakeholder engagement plan with local organizations that may be interested in our water stewardship performance, per our ISO 14001 guidance on interested party analysis and communication. ISO 14001 outlines how to identify interested parties (stakeholders) and our sites create stakeholder engagement plans tailored to the site's water impacts and the interests of the stakeholders engaged. This engagement may, as appropriate, include published materials or town hall-style events or facility tours that may be open to local groups and certain members of the community. We also engage local NGOs as part of our standard Community Impact community outreach and engagement efforts, which may include establishing partnerships and initiatives related to local environmental education and/or improvement efforts.
Regulators	Relevant, always included	All DuPont operations strive to meet or exceed regulatory compliance, as such we consider regulators, current regulations and emerging regulations in our risk assessment processes. Regulatory risk aspects are also included in the WRI and WWF risk assessment we conducted in 2019 and 2020. We engage regulators directly and as members of trade associations and local public-private initiatives, as part of our routine compliance and Government Affairs processes.
River basin management authorities	Relevant, always included	All DuPont operations strive to meet or exceed regulatory compliance, as such we consider regulators, current regulations and emerging regulations in our risk assessment processes. Regulatory and reputational risk aspects are also included in the WRI and WWF risk assessment we conducted in 2019 and 2020. We engage regulators and management bodies directly and as members of trade associations and local public-private initiatives, as part of our routine compliance and Government Affairs processes.
Statutory special interest groups at a local level	Relevant, sometimes included	Facilities in regions that have stakeholder conflict around water resources are advised to maintain a stakeholder engagement plan with local organizations that may be interested in our water stewardship performance, per our ISO 14001 guidance on interested party analysis and communication. ISO 14001 outlines how to identify interested parties (stakeholders) and our sites create stakeholder engagement plans tailored to the site's water impacts and the interests of the stakeholders engaged. This communication may, as appropriate, include published materials or town hall-style events or facility tours that may be open to local groups and certain members of the community. We also engage special interest groups directly and as members of local public-private initiatives, as part of our routine Government Affairs processes. We also engage local special interest groups as part of our standard Community Impact community outreach and engagement efforts, which may include local environmental education and/or improvement efforts.
Suppliers	Relevant, always included	The acute and chronic physical impacts of climate change, such as an increase in the number and severity of hurricanes, floods, and other water-related storms and natural disasters, could potentially disrupt our supply chain. We analyze this risk as part of our enterprise risk management exercise. We engage suppliers at onboarding to understand the scope of their environmental governance, management and compliance, and conduct follow-up engagements depending on the results of their onboarding assessment.
Water utilities at a local level	Relevant, always included	The robustness, pricing, availability and security of local water utilities could impact DuPont's operational performance. When examining potential new site locations and/or site expansion, we establish our ability to access sewage and water supply infrastructure for the foreseeable future. We engage with water utilities at a local level as necessary, through the appropriate communication channels as established by the water utility.
Other stakeholder, please specify	Please select	

W3.3d

(W3.3d) Describe your organization's process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.

In 2019, we began to examine our new global footprint to understand where and how DuPont de Nemours operations interact with local watersheds. We withdraw and purchase water from various local sources and entities for the purposes of conducting business. Some of that water is treated and returned to a local waterbody; some is rendered in our manufacturing processes, or used for other purposes such as employee health and hygiene.

To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas to identify operational locations facing "high" to "extremely high" baseline water stress currently or by 2030. To gain further insights, in 2020 we used WWF's Water Risk Tool to model additional factors related to water stress for all DuPont sites around the world. The WWF tool helps us assess water risks using an expanded set of parameters, such as reputation and regulatory risk, flooding, freshwater biodiversity and other water basin factors that may affect business continuity in the future. We also worked with external consultants to develop an internal assessment tool to further validate the results from the WRI and WWF tools.

To help ensure we meet our 2030 Sustainability Goals, we will conform to the Alliance for Water Stewardship International Water Stewardship Standard (the AWS Standard) for sites where we've determined that there could be significant water risks. The AWS Standard framework helps companies and other major water users to understand their water use and impacts, and to work collaboratively and transparently for environmentally, socially, and economically sustainable water management at the scale of a local catchment. Conforming to the AWS Standard will support our efforts to:

• Understand water dependencies and impacts

• Mitigate operational and supply chain water risks

• Ensure responsible water procedures are in place at our sites

• Build relationships with local water-related stakeholders

• Address challenges shared with others in the catchment

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?

No

W4.1a

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

DuPont uses the SEC definition for "materiality" to define substantive financial impact. This definition applies to risks along our entire value chain. What constitutes "material" must be judged from the viewpoint of a reasonably prudent investor deciding to buy, hold or sell stock. An item is considered material, if in the light of surrounding circumstances, the magnitude of the item is such that it is probable that the judgment of a reasonable person relying upon the report would have been changed or influenced by the inclusion or correction of the item. Please refer to Item 1A of our annual 10-K report, available at investors.dupont.com, for a discussion of these risk factors. DuPont de Nemours has not identified any inherent water risks to our operations.

A risk can move from non-significant to potentially significant based on the exposure, likelihood, and financial magnitude of the risk, as these factors are evaluated in our enterprise risk management process (see 3.3a for more detail). "Magnitude" may include financial, regulatory, reputational or other aspects. The relative thresholds for being considered significant are dependent on the risk and the aforementioned risk factors, as well as our business strategy. For instance, we consider the environmental regulations that governs out operations, including environmental regulations that cover water discharge, greenhouse gas emissions, chemical management, product stewardship and more.

W4.2b

(W4.2b) Why does your organization not consider itself exposed to water risks in its direct operations with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	In 2019, we began to examine our new global footprint to understand where and how DuPont de Nemours operations interact with local watersheds. To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas to identify operational locations facing "high" to "extremely high" baseline water stress currently or by 2030. To gain further insights, in 2020 we used WWF's Water Risk Tool to model additional factors related to water stress for all DuPont sites around the world, using the threshold of "med-high" or "high." The WWF tool helps us assess water risks using an expanded set of parameters, such as reputation and regulatory risk, flooding, freshwater biodiversity and other water basin factors that may affect business continuity in the future. We also worked with external consultants to develop an internal assessment tool to further validate the results from the WRI and WWF tools. These results helped us to identify priority areas for internal and external engagement to learn more information. While our three-tiered risk assessment process did reveal fewer than 10 sites that met the established threshold, the potential impact of the risks identified are drastically mitigated by local governance and regulations, existing local infrastructure, site equipment and water management practices, and site water use practices. For this reason, we do not anticipate any substantive water risks related to our operations, but our internal assessment processes are still underway. At the conclusion of our assessment and validation process, we will implement the Alliance for Water Stewardship International Water Stewardship Standard at those sites that have been identified as having significant water risks.

W4.2c

(W4.2c) Why does your organization not consider itself exposed to water risks in its value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	As noted in our 2020 10-K, supply chain disruptions, plant and/or power outages, labor disputes and/or strikes, geo-political activity, weather events and natural disasters, including hurricanes or flooding that impact coastal regions, and global health risks or pandemics could seriously harm the Company's operations as well as the operations of the Company's customers and suppliers. To address this risk, generally, the Company seeks to have many sources of supply for key raw materials in order to avoid significant dependence on any one or a few suppliers. In addition, and where the supply market for key raw materials is concentrated, DuPont takes additional steps to manage its exposure to supply chain risk and price fluctuations through, among other things, negotiated long-term contracts some which include minimum purchase obligations. Although there can be no assurance that such mitigation efforts will prevent future difficulty in obtaining sufficient and timely delivery of certain raw materials, DuPont believes it has adequate programs to ensure a reliable supply of key raw materials.

W4.3

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

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

W4.3a

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

Type of opportunity
Products and services

Primary water-related opportunity
Increased sales of existing products/services

Company-specific description & strategy to realize opportunity
DuPont Water Solutions offers a broad portfolio of globally recognized, industry-leading water solutions to help customers produce, purify, and extract some of the world's most commercially important products. We engage customers and potential customers from industries across the globe, including residential and municipal, power generation, oil and gas, healthcare, commercial industries, chemical and petrochemical, microelectronics, and food and beverage. As water conditions and regulations change in for various regions and industries, DuPont Water Solutions is poised to help customers face their water challenges with our portfolio of solutions. For example, in July of 2020, our Water Solutions business oversaw the installation of 10 OxyMem membrane aerated biofilm reactor (MABR) modules, which treat and purify wastewater, at a U.K.-based water plant that processes wastewater from the surrounding catchment area as well as excess biosolids from satellite plants. The customer was looking for a cost-effective way to retrofit and upgrade the facility to plan for population growth and meet tightening effluent standards. Rather than expanding the plant, the customer opted for an upgrade by converting it to an MABR system. Our OxyMem MABR modules were simply lowered into the system over two days to intensify the biological processes of existing wastewater treatment methods, increasing treatment capacity with minimal energy consumption. MABR technology offers simultaneous chemical oxygen demand and ammonia removal, with nitrification rates 2–3 times greater than moving bed biofilm reactor (MBBR) technology.

Estimated timeframe for realization
4 to 6 years

Magnitude of potential financial impact
Medium-high

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
1000000

Potential financial impact figure – maximum (currency)
13000000000

Explanation of financial impact
According to external analysts, the aggregate potential addressable market sizes for our Water Solutions portfolio is approximately $16 billion.

Type of opportunity
Markets

Primary water-related opportunity
Expansion into new markets

Company-specific description & strategy to realize opportunity
DuPont Water Solutions offers a broad portfolio of globally recognized, industry-leading water solutions to help customers produce, purify, and extract some of the world's most commercially important products. We engage customers and potential customers from industries across the globe, including residential and municipal, power generation, oil and gas, healthcare, commercial industries, chemical and petrochemical, microelectronics, and food and beverage. As water conditions and regulations change in for various regions and industries, DuPont Water Solutions is poised to help customers face their water challenges with our portfolio of solutions. The world's oceans contain more than 97 percent of the planet's water resources, providing an essentially unlimited raw material for seawater desalination. Due to its energy consumption profile and land requirements desalination is not widely used; currently only about one percent of freshwater is from desalinated sources. Desalination is a process that removes salt from seawater to produce freshwater for municipal, agricultural, or industrial use. In 2020, DuPont Water Solutions entered into a collaboration with Waterise, an energy company that aims to provide solutions to the global water shortage. The collaboration aims to provide seawater reverse osmosis membranes—which purify water—and expertise to the company's sub-sea desalination plants. Sub-sea desalination presents a more sustainable way to turn seawater to freshwater. It uses the natural hydrostatic pressure found at the depths of the sea to run the reverse osmosis, reducing the energy requirements of the desalination process by 40 percent. Sub-sea desalination also requires 80 percent less coastal land than land-based plants, presenting a viable option for communities with limited space. This process also requires lower amounts of pretreatment chemicals and eliminates the discharge of concentrated brine into coastal waters. Waterise and DuPont Water Solutions will collaborate on research and development toward the mission of advancing sub-sea desalination operations and performance.

Estimated timeframe for realization
4 to 6 years

Magnitude of potential financial impact
Medium-high

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
1000000

Potential financial impact figure – maximum (currency)
13000000000

Explanation of financial impact
According to external analysts, the aggregate potential addressable market sizes for our Water Solutions portfolio is approximately $16 billion.

W6. Governance

W6.1

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

No, but we plan to develop one within the next 2 years

W6.2

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

Yes

W6.2a

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

Position of individual	Please explain
Board-level committee	The water-related responsibilities of the Environmental Health Safety & Sustainability Committee (EHS&S) are as follows: • Oversee EHS performance and compliance (review performance metrics, process improvements and peer benchmarking) • Review the processes and systems used to ensure environmental compliance, including the impact of public policy changes • Oversee and advise the Board of Directors (BoD) on the corporate sustainability strategy, including DuPont's sustainability goals and actions, public policy management, advocacy priorities, community impact contributions, reputation management and other emerging issues, as delegated by the BoD • Review and provide input regarding the management of current and emerging EHS&S issues and report periodically to the BoD on EHS&S matters affecting DuPont Water stewardship is an important aspect of the company's comprehensive ESG/CSR strategy. For instance, the EHS&S Committee approved our 2030 Leading Water Stewardship goal, which led to our three-tiered risk assessment process implemented in 2019 and 2020.

W6.2b

(W6.2b) Provide further details on the board's oversight of water-related issues.

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	Monitoring implementation and performance Overseeing acquisitions and divestiture Reviewing and guiding major plans of action Reviewing and guiding strategy Reviewing and guiding corporate responsibility strategy Reviewing innovation/R&D priorities	

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 Sustainability Officer (CSO)

Responsibility

Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

Half-yearly

Please explain

The Chief Sustainability Officer (CTSO) reports directly to the CEO, and routinely engages the EHS&S Committee of the Board of Directors on matters of sustainability, product stewardship and community impact. The CTSO reports to the EHS&S Committee at least twice a year on all matters related to DuPont's sustainability programs and performance. These reports can include progress/strategy updates regarding water risk, water management, and other water-related issues that may intersect with our sustainability strategy.

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

Other C-Suite Officer, please specify (Chief Operations & Engineering Officer)

Responsibility

Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

Half-yearly

Please explain

The Chief Operations & Engineering Officer (COEO) is responsible for managing all operations and investments related to DuPont-operated plants and sites, and oversees our Environmental, Health and Safety (EHS) function. The COEO reports directly to the CEO, and engages the EHS&S Committee at least quarterly on all matters related to DuPont's EHS programs and performance. EHS program reports can include progress/strategy updates regarding water risk, water management, and other water-related issues that may intersect with our sustainability strategy.

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, not currently but we 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, trade associations

Yes, funding research organizations

W6.5a

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

DuPont Water Solutions (DWS) selects trade associations with the technical expertise to help advance water stewardship and policy within their respective industries, cities and regions. For this reason, we prioritize memberships that encourage multi-stakeholder collaboration between, for instance, regulators, utilities, academic institutions and research organizations, and private industries. In the event that we participate in a trade association, consortium, policy effort or research project that no longer aligns with our water commitments or water priorities, we will engage the appropriate leadership to achieve resolution. If resolution cannot be found, we will remove ourselves from the effort in the appropriate manner and timing in accordance with the bylaws of the organization.

An example is DWS funding of The Economist Intelligence Unit's Global Water City Index, which will help cities understand how to leverage water technology and policy to positively impact the city's water security and quality into the future. The initiative is targeting 52 global cities when it launches in October 2021, with a goal of adding 50 cities per year.

It must be noted, however, that we vet all partnership and membership opportunities thoroughly, including an evaluation of short-, medium-, and long-term objectives. To date, we have not had to terminate voluntary funding or participation in an water-specific organization for reasons related to inconsistency with DuPont water commitments.

W6.6

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

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

W7. Business strategy

W7.1

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

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	11-15	Our 2030 Leading Water Stewardship goal to 1) Implement holistic water strategies across all facilities, prioritizing manufacturing plants and communities in high-risk watersheds, and 2) Enable millions of people access to clean water through leadership in advancing water technology and enacting strategic partnerships is a part of our long-term business objectives as it articulates our position in minimizing multiple aspects of operational water risk while capitalizing on market opportunities related to the DuPont Water Solutions (DWS) innovation portfolio. Implementing holistic water strategies will begin at the conclusion of our three-tiered water risk assessment project (detailed in section W3) through conformance to the AWS Standard. We continue to expand in our DWS portfolio through innovation and acquisitions to grow the variety of water technologies available to alleviate global water challenges.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	11-15	DuPont Water Solutions offers a broad portfolio of globally recognized, industry-leading water solutions to help customers produce, purify, and extract some of the world's most commercially important products. We engage customers from industries across the globe, including residential and municipal, power generation, oil and gas, healthcare, commercial industries, chemical and petrochemical, microelectronics, and food and beverage. As water conditions and regulations change in for various regions and industries, DuPont Water Solutions is poised to help customers face their water challenges with our portfolio of solutions. For example, the fashion industry produces nearly 20% of global wastewater, and textile dyeing is the second largest polluter of water globally. The Tirupur textile wastewater treatment plant in Tamil Nandu, India, is using DuPont™ FILMTEC™ FORTILIFE™ reverse osmosis technology to increase water efficiency to the point of zero liquid discharge. Learn more about our capabilities in water purification at https://www.dupont.com/water.html
Financial planning	Yes, water-related issues are integrated	11-15	We consider the financial opportunities and risks associated with water and our business strategy. To further expand our capabilities in Water Solutions portfolio, we finalized several strategic acquisitions in 2020, including: becaming the only supplier to offer dry-tested seawater reverse osmosis (SWRO) membranes, entering into an exclusive global partnership with Sun Chemical and the DIC Corporation to bring our Ligasep™ membrane degasification modules to the water purification market, and finalizing the acquisition of inge® GmbH and proudly integrated its industry-leading multi-bore PES ultrafiltration technology into our portfolio of water purification and separation capabilities. With these additions to our portfolio and reach, DuPont is better positioned than ever to achieve our vision for a water-optimized world.

W7.2

(W7.2) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?

Row 1

Water-related CAPEX (+/- % change)

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

Water-related OPEX (+/- % change)

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

Please explain

W7.3

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

	Use of climate-related scenario analysis	Comment
Row 1	Yes	In 2020, DuPont management refreshed the enterprise risk management (ERM) process, including performing a maturity assessment on the current state and desired future state, formalizing an internal governance structure to oversee the annual re-assessment and re-prioritization of enterprise level risks and creating consistent framework, policies, and procedures for identifying and assessing enterprise level risks. One of the top risks identified was business continuity, and a risk scenario we examine for business continuity includes climate change impacts to our operations. This risk will be monitored to assess the design and operating effectiveness of the existing controls framework and assess mitigations in place and highlight potential enhancements to reduce threats and increase opportunities to support the Company's overall strategic objectives.

W7.3a

(W7.3a) Has your organization identified any water-related outcomes from your climate-related scenario analysis?

Yes

W7.3b

(W7.3b) What water-related outcomes were identified from the use of climate-related scenario analysis, and what was your organization's response?

	Climate-related scenarios and models applied	Description of possible water-related outcomes	Company response to possible water-related outcomes
Row 1	Other, please specify (COSO ERM, ISO 31000)	Supply chain disruptions, plant and/or power outages, labor disputes and/or strikes, information technology system and/or network disruptions, whether caused by acts of sabotage, employee error, malfeasance or other actions, geo-political activity, weather events and natural disasters, including hurricanes or flooding that impact coastal regions, and global health risks or pandemics could seriously harm the Company's operations as well as the operations of the Company's customers and suppliers. Natural disasters and other security and environmental risks have increased stakeholder concerns about the security and safety of chemical production and distribution.	DuPont seeks to actively manage the risks within the Company's control that could lead to business disruptions and security breaches. Our Leading Water Stewardship goal, in part, commits us to implementing holistic water strategies across all facilities, prioritizing manufacturing plants and communities in high-risk watersheds, by 2030. The work began in 2019 with the early stages of our risk assessment and site survey on water risks and continued into 2020 with deeper site water risk analyses. Also, DuPont maintains a corporate level natural disaster team intervenes when it is forecasted that multiple sites may be impacted by a hurricane at Category 1 or above. The team leverages corporate resources to help impacted locations prepare and respond to hurricane impacts. This support may include humanitarian aid, equipment, security, or more, depending on the storm and the needs of the site.

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

W8. Targets

W8.1

(W8.1) Describe your approach to setting and monitoring water-related targets and/or goals.

	Levels for targets and/or goals	Monitoring at corporate level	Approach to setting and monitoring targets and/or goals
Row 1	Company-wide targets and goals Site/facility specific targets and/or goals	Targets are monitored at the corporate level Goals are monitored at the corporate level	In 2018, we conducted a materiality assessment with internal and external stakeholders to determine the strategic sustainability priorities for the specialty products businesses. Analyzing stakeholders' feedback led us to six priority areas, one of which is Water Stewardship. (see more details on our materiality process at https://www.dupont.com/about/sustainability/sustainability-strategy-2021.html). As a leading global manufacturing company, DuPont depends on a stable water supply to make quality products that serve society. We understand that although the importance of water stewardship is a global issue, water withdrawal, consumption, and quality, must be managed locally. Increasing competition for water demands immediate action, and a steep change in the way that companies manage water. We recognize the need to manage the water needs of today while securing water for the future. We also recognize that we cannot do it alone and must collaborate with our stakeholders in new innovative ways to address underlying shared water challenges. We set a context-based Leading Water Stewardship goal that help us realize meet our operational responsibilities as a leading company. We also set a product-related goal to help us live our purpose of empowering the world with the essential innovations to thrive: 1. Implement holistic water strategies across all facilities prioritizing manufacturing plants and communities in high-risk watersheds. 2. Enable millions of people access to clean water through leadership in advancing water technology and enacting strategic partnerships.

W8.1a

(W8.1a) Provide details of your water targets that are monitored at the corporate level, and the progress made.

Target reference number
Target 1

Category of target
Monitoring of water use

Level
Site/facility

Primary motivation
Corporate social responsibility

Description of target
Goal: Implement holistic water strategies across all facilities, prioritizing manufacturing plants and communities in high-risk watersheds. Details: To help ensure we meet our 2030 Leading Water Stewardship goal, we will conform to the Alliance for Water Stewardship International Water Stewardship Standard (the AWS Standard) for sites where we've determined that there could be significant water risks. In many instances, this strategy will help us reduce our water intensity.

Quantitative metric
Other, please specify (% of applicable sites conforming to water management standard)

Baseline year
2019

Start year
2020

Target year
2030

% of target achieved
10

Please explain
We are in the final validation stages of our three-tiered risk assessment process to determine the sites that will implement measures to conform to the AWS Standard.

Target reference number
Target 2

Category of target
Product use-phase

Level
Brand/product

Primary motivation
Shared value

Description of target
Goal: Enable millions of people access to clean water through leadership in advancing water technology and enacting strategic partnerships. Description: DuPont Water Solutions is advancing global water stewardship by innovating to design water solutions that will help our customers maximize water usage, minimize discharges and protect water supplies.

Quantitative metric
Other, please specify (Quantification of absolute product reach for Water Solutions portfolio)

Baseline year
2019

Start year
2020

Target year
2030

% of target achieved
10

Please explain
We are evaluating measurement techniques, but remain confident in our ability to meet this goal.

W8.1b

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

Goal
Other, please specify (Implementation of water stewardship management systems)

Level
Site/facility

Motivation
Risk mitigation

Description of goal
Water stewardship is becoming increasingly important as scarcity and quality concerns continue to grow. As a leading global manufacturing company, DuPont depends on a stable water supply to make quality products that serve society. We understand that although the importance of water stewardship is a global issue, water withdrawal, consumption, and quality, must be managed locally. Increasing competition for water demands immediate action, and a steep change in the way that companies manage water. We recognize the need to manage the water needs of today while securing water for the future. Our goal: Implement holistic water strategies across all facilities prioritizing manufacturing plants and communities in high-risk watersheds. We are implementing this goal by conducting water risk assessments (see Module 3) to determine which sites will conform to the AWS Standard.

Baseline year
2019

Start year
2020

End year
2030

Progress
In 2019, we began to examine our new global footprint to understand where and how DuPont de Nemours operations interact with local watersheds. We withdraw and purchase water from various local sources and entities for the purposes of conducting business. Some of that water is treated and returned to a local waterbody; some is rendered in our manufacturing processes, or used for other purposes such as employee health and hygiene. To better understand the water risks and impacts at our sites, we used the World Resources Institute (WRI) Aqueduct Water Risk Atlas to identify operational locations facing “high” to “extremely high” baseline water stress currently or by 2030. To gain further insights, in 2020 we will use WWF’s Water Risk Tool to model water stress for all DuPont sites around the world The WWF tool will help us assess water risks using an expanded set of parameters, such as reputation and regulatory risk, that may affect business continuity in the future. We will audit sites against their respective risk management procedures on an annual basis. We will assess progress for goal by determining the % of applicable sites that have implemented processes that conform to an updated water management standard

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Goal
Providing access to safely managed Water, Sanitation and Hygiene (WASH) in local communities

Level
Brand/product

Motivation
Shared value

Description of goal
In the next three decades, the demand for water will increase by 50-70% for the municipal and industrial sector. Water stewardship is becoming increasingly important as scarcity and quality concerns continue to grow. As a leading global manufacturing company, DuPont depends on a stable water supply to make quality products that serve society. We understand that although the importance of water stewardship is a global issue, water withdrawal, consumption, and quality, must be managed locally. Increasing competition for water demands immediate action, and a steep change in the way that companies manage water. We recognize the need to manage the water needs of today while securing water for the future. We also recognize that we cannot do it alone and must collaborate with our stakeholders in new innovative ways to address underlying shared water challenges. Our goal: Enable millions of people access to clean water through leadership in advancing water technology and enacting strategic partnerships. We are implementing this goal through widening access to products in our Water Solutions portfolio either through sales or strategic partnerships that benefit various communities.

Baseline year
2019

Start year
2020

End year
2030

Progress
We will assess progress for this goal by assessing various aspects of product reach and other outreach efforts. For instance, at this time, over 25 million gallons of water are processed every minute globally through our technologies. Progress could be an increase in this statistic, or some other aspect of measuring the impact associated with our Water Solutions portfolio. As another example, in 2020, DuPont became charity: water's first brand partner in the water technology sector. DuPont is pleased to support charity: water's efforts to increase access to clean water in vulnerable communities through the deployment of hand-washing stations, hygiene and sanitation training and community health messaging.

W9. Verification

W9.1

(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?
Yes
Dupont 2020 Data Assurance Letter.pdf