DuPont de Nemours, Inc. - Water Security 2022

W0. Introduction

W0.1

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

DuPont is a publicly traded premier multi-industrial company based in Wilmington, Delaware, USA. We are a global innovation leader with technology-based materials, solutions, and expertise. Our purpose is to empower the world with the essential innovations to thrive. Sustainability is both integral to how we deliver our purpose and an increasing part of our value creation strategy. We serve many essential and growing global markets including electronics, water, protection, industrial technologies, and next-generation automotive.

The company had approximately 28,000 employees across 120 locations in 60 countries worldwide as of December 31, 2021.

W-CH0.1a

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

Specialty organic chemicals

W0.2

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

	Start date	End date
Reporting year	January 1 2021	December 31 2021

W0.3

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

Australia
Belgium
Canada
China
France
Germany
India
Italy
Japan
Luxembourg
Netherlands
Republic of Korea
Saudi Arabia
Singapore
Spain
Taiwan, China
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 100 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 120 million gallons, which is less than 0.4 percent of our total water withdrawal.

W0.7

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

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

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. . In February of 2021, we divested a business that was our largest consumer of water, which impacted the quantity of fresh water we consume.
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 reduced 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. 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%	Plant sites that require discharge permits are required to measure water flow.
Water discharges – volumes by destination	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. 2021 was the first year for data collection on this aspect.
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	106913	About the same	The amount of water withdrawn remained consistent due to no change in operations practices.
Total discharges	105090	About the same	The amount of water discharged remained consistent due to no change in operations practices.
Total consumption	13359	Higher	There was a slight increase (9%) in water consumption proportionate with the slight increase in production output across our most water intensive sites in 2021.

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 2021, 3.3% 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	83327	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.
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.”
Groundwater – non-renewable	Relevant	9204	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.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	The company does not produce significant amounts of water.
Third party sources	Relevant	14382	About the same	We purchase water in instances where the company needs potable water, such as drinking water and WASH purposes.

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water	Relevant	78772	This is our first year of measurement	This is the first year DuPont collected discharge information by destination.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	DuPont does not withdraw nor discharge seawater.
Groundwater	Relevant	606	This is our first year of measurement	This is the first year DuPont collected discharge information by destination.
Third-party destinations	Relevant	25712	This is our first year of measurement	This is the first year DuPont collected discharge information by destination.

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	16653000000	106913	155762.161757691	Forward trend is unassessed. We have adopted a phased approach to water risk management by the Alliance for Water Stewardship International Water Stewardship Standard (AWS Standard) within our existing ISO 14001 environmental management system framework. This allows our site teams to align current environmental management systems with the priorities articulated in the AWS Standard, including the expectation of continual improvement.

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
Specialty organic chemicals

Product name
All specialty materials and chemicals produced by the Company

Water intensity value (m3)
7.54

Numerator: water aspect
Total water consumption

Denominator
Ton

Comparison with previous reporting year
Lower

Please explain
Total water consumption indexed to total production is 7.54 m3/ton, compared to 8.05 m3/ton in 2020. 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. To help ensure we meet our 2030 Leading Water Stewardship goal, we have adopted a phased approach to water risk management by the Alliance for Water Stewardship International Water Stewardship Standard (AWS Standard) within our existing ISO 14001 environmental management system framework. This allows our site teams to align current environmental management systems with the priorities articulated in the AWS Standard, including the expectation of continual improvement.

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
For suppliers, success is indicated as 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. Any suppliers found to be out of compliance with our Supplier Code of Conduct can be de-selected for continued business.

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?

In 2021, we reached out to customers and end users around the world to better understand their needs and create a more focused set of innovation platforms directly linked to solving sustainability challenges in the industries and markets we serve. We recognize the need for agility and urgency in addressing climate change, access to clean water and healthcare, and more sustainable production. We're responding by building on critical science-based competencies such as lifecycle assessment (LCA), circular design, and green chemistry, and by further embedding sustainability in our enterprise and business innovation strategies. Together, these actions accelerated and increased our innovation value creation potential, aligned to SDGs, with deepened customer insights and specialized capabilities.

In the 2nd phase of our 2021 customer engagement, we engaged 32 of our top global customers to gain insights into the sustainable innovations that matter most to their relationship with DuPont and their long-term business success. In our customer engagement exercise we evaluated the importance of 21 ESG factors aligned with our internal materiality assessment. The results reinforced the conclusions from our internal assessment and raised the importance of responsible procurement as a key sustainability risk and opportunity for DuPont and our customers. The output of this engagement confirmed water stewardship as a core and strategic value for DuPont and the continued importance of our Leading Water Stewardship 2030 goal.

In addition to customer engagements, 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 our sites create engagement plans tailored to the site's water impacts and the interests of stakeholder.

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
31000

% of total facilities/operations associated
1

Number of fines compared to previous reporting year
About the same

Comment
Fine was issued for one of our sites. One of 120 sites is less than 1%. In 2020, we also reported a single fine.

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.

Value chain stage
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)

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
Status of ecosystems and habitats
Other, please specify

Stakeholders considered
Customers
Employees
Local communities
Suppliers
Water utilities at a local level
Other water users at the basin/catchment level

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. In 2021, we initiated water usage assessments at key North America and EMEA sites and focused on aligning our water definitions with GRI standards. We will continue to strengthen our water use systems focusing on the most significant site impact opportunities in 2022.

Value chain stage
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

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
Status of ecosystems and habitats

Stakeholders considered

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

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. In 2021 we completed a coordinated, multi-stakeholder materiality assessment to renew our strategic sustainability priorities and to provide insight on the changing risk landscape. The assessment focused on updating risk assessments for material environmental, social, and governance (ESG) issues and further integrating ESG within our enterprise risk management (ERM) process. The key actions taken in 2021 as part of our materiality assessment include an externally facilitated workshop, internal and external stakeholder engagements, and executive leadership review of key ESG risk integration within our ERM process.

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.

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

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.

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 considers materiality of financial or strategic impact from the view of the securities laws, including SEC reporting. 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.

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. We found that we have a limited footprint in high-risk watersheds. In 2021, less than 4% of our water withdrawal and 2% of our water consumption came from high-risk watersheds. We decided the most effective way to manage our water risk is through adoption of a phased approach of the Alliance for Water Stewardship International Water Stewardship Standard (AWS Standard) within our existing ISO 14001 environmental management system framework. This allows our site teams to align current environmental management systems with the priorities articulated in the AWS Standard. In 2021, we initiated water usage assessments at key North America and EMEA sites and focused on aligning our water definitions with GRI standards. We will continue to strengthen our water use systems focusing on the most significant site impact opportunities in 2022

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 2021 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
The DuPont Water Solutions business provides state-of-the-art membrane science, ion exchange solutions, and wastewater treatment technologies. These materials and solutions help make drinking water safer and cleaner for homes and communities; enable industries and markets to operate more effectively, efficiently, and sustainably;

and make water-scarcity challenges more manageable, wherever they arise. Together with other private sector companies, community-impact organizations, and research institutions we help forge a sustainable, energy efficient path towards a water-optimized world. DuPont innovates and manufactures sustainable water management solutions enabling energy efficient water purification, re-use and recycling with mineral recovery, sustainable desalination processes, and groundwater access in urban, industrial, and rural settings. Through a series of acquisitions and market expansions, DuPont Water Solutions has cultivated an innovation portfolio that can be used together or individually to solve complex water and sustainability challenges—from bringing fresh and clean drinking water to millions of homes to minimizing the environmental impact of textile plants. DuPont water technologies process about 50 million gallons of water every minute around the world. Reverse osmosis (RO) water treatment systems like our industry-leading FILMTEC™ product lines provide the finest level of pressurized crossflow filtration, but, as with all filtration membrane technology, can require a significant amount of cleaning to combat biofouling. In 2021, we introduced DuPont™ B-Free™ technology, a solution that prevents the negative effects of biofouling when installed in new or existing systems. Applying the DuPont™ B-Free™ pretreatment can reduce required downtime by up to 50%, lower cleaning in place frequency by up to 75%, and extend the lifetime of the RO membrane elements by up to 200%. For each 10,000 m3/day of water treatment capacity, DuPont™ B-Free™ pretreatment technology will enable yearly savings up to 25,000 kg of CO2emissions, 10,000 kg of chemicals, and 4,000 m3 of wastewater. In addition to the sustainability benefits, the reduced use of chemicals and servicing requirements make membranes with B-Free™ safer by design for operators. DuPont™ B-Free™ pretreatment was awarded the 2021 Sustainability Initiative of the Year and Sustainability Product of the Year by the Business Intelligence Group.

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?
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
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. 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. 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. For example, In 2021, we announced that our FilmTec™ membranes have been selected by IDE Water Technologies to provide the seawater reverse osmosis (SWRO) filtration for the Sorek B desalination plant in Israel, a plant which is predicted to set a new benchmark for seawater desalination water prices on a global scale. The Sorek B plant will increase Israel's desalination capacity by 35 percent. IDE Water Technologies designed the state-of-the-art plant to drive efficiency, environmental sustainability, and achieve an exceptionally low water price. The durability, energy efficiency, and extremely long lifespans of the FilmTec™ membranes are expected to contribute to the lower long-term costs of the plant.

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?
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
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 endorsed our 2030 Leading Water Stewardship goal.

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	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 endorsed our 2030 Leading Water Stewardship goal.

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	Board member Ruby R. Chandy has specific experience leading an organization providing solutions to to water issues as President of the Industrial Division of Pall Corporation, a leading supplier of filtration, separation, and purification technologies, from April 2012 to November 2015.	<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 Sustainability Officer (CSO)

Responsibility
Assessing future trends in water demand
Assessing water-related risks and opportunities
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
Assessing future trends in water demand
Assessing water-related risks and opportunities
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 at launch 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)

2021-DuPont-10-K-Final.pdf

W7. Business strategy

W7.1

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

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	11-15	Our 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, In 2021, we introduced DuPont™ B-Free™ technology, a solution that prevents the negative effects of biofouling when installed in new or existing systems. Applying the DuPont™ B-Free™ pretreatment can reduce required downtime by up to 50%, lower cleaning in place frequency by up to 75%, and extend the lifetime of the RO membrane elements by up to 200%. For each 10,000 m3/day of water treatment capacity, DuPont™ B-Free™ pretreatment technology will enable yearly savings up to 25,000 kg of CO2emissions, 10,000 kg of chemicals, and 4,000 m3 of wastewater. In addition to the sustainability benefits, the reduced use of chemicals and servicing requirements make membranes with B-Free™ safer by design for operators.
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 scenario analysis to inform its business strategy?

	Use of scenario analysis	Comment
Row 1	Yes	In 2021 DuPont took significant actions to align its governance and risk management processes with the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD). From an ERM process perspective, DuPont has worked with external experts to conduct a climate change risk screening and prioritization exercise across its global businesses, from which the Company developed specific scenarios for material physical and transition risks. In 2022 DuPont intends to further develop climate-related financial risk models against future climate scenarios and continue to integrate climate risk into its enterprise and business strategies. The scenario analysis to date has been focused on climate risks, but it is clear that climate and water risks are inter-related, for example increased frequency of severe weather events or chronic temperature change due to climate change can result in water-related impacts in the form of floods or droughts.

W7.3a

(W7.3a) Provide details of the scenario analysis, what water-related outcomes were identified, and how they have influenced your organization's business strategy.

	Type of scenario analysis used	Parameters, assumptions, analytical choices	Description of possible water-related outcomes	Influence on business strategy
Row 1	Water-related Climate-related	We're still advancing our approach. We've defined applicable risks qualitatively, and plan to quantify using relevant scenarios in the next two years. In 2021, we conducted workshops aligned with the COSO-WBCSD Enterprise Risk Management Framework to develop relevant qualitative scenarios for climate-related risks. The outcome was improved visibility of key ESG risks and better integration with enterprise and business strategy. We also conducted an assessment of climate risks across our businesses that led to understanding of specific scenarios incorporating transition and physical climate risks. In 2022 we intend to further develop our financial risk models against climate scenarios and continue to integrate climate risk in our enterprise and business strategies. DuPont recognizes that the unique and evolving characteristics of climate risk, which include longer time horizons, changing magnitudes, and nonlinear dynamics, may require differential assessment and management strategies for each of our businesses and industry verticals. The scenario analysis to date has been focused on climate risks, but it is clear that climate and water risks are inter-related, for example increased frequency of severe weather events or chronic temperature change due to climate change can result in water-related impacts in the form of floods or droughts.	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 2021 with the decision to manage our water risk through adoption of a phased approach of the Alliance for Water Stewardship International Water Stewardship Standard (AWS Standard) within our existing ISO 14001 environmental management system framework. 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 1or 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

W7.5

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

	Products and/or services classified as low water impact	Definition used to classify low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	Yes	DuPont Water Solutions business provides state-of-the-art membrane science, ion exchange solutions, and wastewater treatment technologies. These materials and solutions help make drinking water safer and cleaner for homes and communities; enable industries and markets to operate more effectively, efficiently, and sustainably; and make water-scarcity challenges more manageable, wherever they arise. Together with other private sector companies, community-impact organizations, and research institutions we help forge a sustainable, energy efficient path towards a water-optimized world. For this reason, many of our products could be defined as having low water impact. One example is the 2021 introduction of DuPont™ B-Free™ technology, a solution that prevents the negative effects of biofouling when installed in new or existing systems. Because of the quantitative benefit of wastewater savings, and the external recognition as a sustainable innovation, this product can be considered to be classified as low water impact.	<Not Applicable>	Applying the DuPont™ B-Free™ pretreatment can reduce required downtime by up to 50%, lower cleaning in place frequency by up to 75%, and extend the lifetime of the RO membrane elements by up to 200%. For each 10,000 m3/day of water treatment capacity, DuPont™ B-Free™ pretreatment technology will enable yearly savings up to 25,000 kg of CO2emissions, 10,000 kg of chemicals, and 4,000 m3 of wastewater. In addition to the sustainability benefits, the reduced use of chemicals and servicing requirements make membranes with B-Free™ safer by design for operators. DuPont™ B-Free™ pretreatment was awarded the 2021 Sustainability Initiative of the Year and Sustainability Product of the Year by the Business Intelligence Group.

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	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. In 2021 we refreshed DuPont's ESG materiality assessment which affirmed and helped focus actions to advance our sustainability goals and related competencies. 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 2030 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.

W8.1b

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

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

Level
Company-wide

Motivation
Increase freshwater availability for users/natural environment within the basin

Description of goal
Enable millions of people access to clean water through advancing water technology and enacting strategic partnerships. According to the United Nations, water scarcity is expected to displace anywhere from 24 to 700 million people worldwide by 2030. DuPont sees a clear path to a future where all 7.9 billion people on this planet have access to safe, clean drinking water every day, while industry also has the necessary water to make the products, food, and energy on which we rely. In this future, no water is wasted because we capitalize on the circular nature of water by recovering valuable raw materials from wastewater. We are working to create this future—where water is accessible, abundant, adaptable, and affordable for all and even water scarce regions can achieve water resiliency. The DuPont Water Solutions business provides state-of-the-art membrane science, ion exchange solutions, and wastewater treatment technologies. These materials and solutions help make drinking water safer and cleaner for homes and communities; enable industries and markets to operate more effectively, efficiently, and sustainably; and make water-scarcity challenges more manageable, wherever they arise.

Baseline year
2019

Start year
2020

End year
2030

Progress
We are evaluating measurement methodology for progress against this goal, but continue to take actions toward achieving the desired impact: - Developed and launched new Water Solutions products to help our customers solve more of their complex water challenges including working with several municipal customers on critical water treatment expansions and upgrades that have improved drinking water access and quality for more than five million people since 2019 - Partnered with Water.org to impact more than 100,000 lives, joined the Water joined the Water Resilience Coalition, and signed the CEO Water Mandate - Worked with Economist Impact to launch City Water Optimization Index tool to help cities benchmark factors to develop and maintain an optimized, ample water supply

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Goal
Other, please specify (Implement holistic water strategies across all facilities, prioritizing manufacturing plants and communities in high-risk watersheds.)

Level
Company-wide

Motivation
Risk mitigation

Description of goal
Our goal: Implement holistic water strategies across all facilities prioritizing manufacturing plants and communities in high-risk watersheds. Across the company we use water from various sources. Some of that water is treated and returned to a local water body, while some is rendered in our manufacturing processes or used for other purposes such as employee health and hygiene. In 2019, we evaluated our global footprint to understand where and how our operations interact with local watersheds, especially those considered to be high risk. We used the WRI Aqueduct Water Risk Modeling Tool and WWF's Water Risk Tool to model varying water risk factors for all DuPont sites around the world. We found that we have a limited footprint in high-risk watersheds. In 2021, less than 4% of our water withdrawal and 2% of our water consumption came from high-risk watersheds. We decided the most effective way to manage our water risk is through adoption of a phased approach of the Alliance for Water Stewardship International Water Stewardship Standard (AWS Standard) within our existing ISO 14001 environmental management system framework. This allows our site teams to align current environmental management systems with the priorities articulated in the AWS Standard.

Baseline year
2019

Start year
2020

End year
2030

Progress
In 2021, we initiated water usage assessments at key North America and EMEA sites and focused on aligning our water definitions with GRI standards. We will continue to strengthen our water use systems focusing on the most significant site impact opportunities in 2022.As an example, our Greifenberg, Germany site produces inge® industry-leading multi-bore polyether sulfone ultrafiltration technology for the purification of water. The site also uses a full suite of DuPont products in their water and wastewater treatment system and solvent recovery process. DuPont's UF modules, ion exchange resins, and RO membranes are used to reliably maintain production and recover heat, water, and organic substances. We collect and re-use the thermal energy from the wastewater, and the treated water is then fed back into the membrane production system as part of a closed water cycle. This integrated system improves the recovery rate of used organic solvent in production, allowing decreases in both cost and raw material use in our operations

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W9. Verification

W9.1

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

W9.1a

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

Disclosure module	Data verified	Verification standard	Please explain
W1 Current state	Water withdrawals Water consumption	Other, please specify (ISO 14064-3)	Water withdrawals and water consumption were included in the assurance engagement with WSP on our 2022 Sustainability Report. WSP provided limited assurance for selected metrics. The scope of verification activities which included two remote site visits with Joliet, USA, on November 8, 2021, and Madurai, India, on November 11, 2021, a desktop review of activity data and calculations, and follow-up conversations with management personnel. DuPont has provided all data and requested supporting documentation Based on these review processes and procedures, WSP has no evidence that the 2021 GHG inventory, renewable energy use, water use, EH&S performance metrics, and DE&I metrics of DuPont are not materially correct, are not a fair representation of the corresponding data and information, or have not been prepared in accordance with the Greenhouse Gas Protocol and S35G Standard. Reference the WSP assurance statement on pages 111 - 115 of the DuPont 2022 Sustainability Report.

W10. Sign off

W-FI

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

For additional narrative about DuPont's climate actions and performance, please visit Sustainability | DuPont for our full 2022 Sustainability Report, a stories hub for additional examples of DuPont product solutions to water and other challenges, and additional details on our 2030 Sustainability Goals
DuPont2022SustainabilityReport.pdf

W10.1

(W10.1) Provide details for the person that has signed off (approved) your CDP water response.

	Job title	Corresponding job category
Row 1	Chief Technology and Sustainability Officer	Chief Sustainability Officer (CSO)

W10.2

(W10.2) Please indicate whether your organization agrees for CDP to transfer your publicly disclosed data on your impact and risk response strategies to the CEO Water Mandate's Water Action Hub [applies only to W2.1a (response to impacts), W4.2 and W4.2a (response to risks)].
Yes

SW. Supply chain module

SW0.1

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

	Annual revenue
Row 1	16653000000

SW1.1

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

SW1.2

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

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	Please select	

SW2.1

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

SW2.2

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

Please select

SW3.1

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

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

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

Please confirm below

I have read and accept the applicable Terms