

E.I. du Pont de Nemours and Company- Water 2018

W0. Introduction

W0.1

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

E. I. du Pont de Nemours and Company, commonly referred to as DuPont, was founded in 1802 and was incorporated in Delaware in 1915. Today, DuPont is helping customers find solutions to capitalize on areas of growing global demand — enabling more, safer, nutritious food; creating high-performance, cost-effective and energy efficient materials for a wide range of industries; and increasingly delivering renewably sourced bio-based materials and fuels. Total worldwide employment at December 31, 2017 was about 44,000 people. The company has subsidiaries in about 90 countries worldwide and manufacturing operations in about 50 countries.

Effective August 31, 2017, The Dow Chemical Company (“Dow”) and E. I. du Pont de Nemours and Company (“DuPont”) completed the previously announced merger of equals transaction contemplated by the Agreement and Plan of Merger dated as of December 11, 2015, as amended March 31, 2017 (the “merger transaction”). The merger transaction resulted in each of Dow and DuPont surviving as subsidiaries of DowDuPont Inc. (“DowDuPont”). DowDuPont is now pursuing the intended separation of the Agriculture, Materials Science and Specialty Products divisions into three independent, publicly traded companies (the “Intended Business Separations”). DowDuPont announced dates for the Intended Business Separations: Materials Science is expected to separate from DowDuPont about the end of the first quarter of 2019, and Agriculture and Specialty Products are each expected to separate from one another around June 1, 2019.

DowDuPont also announced brand names for the Intended Business Separations reflecting its ongoing progress toward the separations.

- The Agriculture division will become Corteva Agriscience™, reflecting its purpose of enriching the lives of those who produce and those who consume.
- The Materials Science division will be called Dow and will retain the DOW® Diamond as its brand, building on the Company’s globally recognized 121-year history of innovation and value creation.
- The Specialty Products division will be called DuPont, carrying forward a 215-year legacy of science-based innovation to transform industries and everyday life.

For purposes of the CDP, references to “the Company” refer to DuPont. Effective with the Merger, DuPont's business activities, including the assessment of current aspects of sustainability policies and performance, ultimately are reviewed and managed by DowDuPont. As a result of this governance structure, certain information in this CDP response is presented for DowDuPont. The CDP Climate Change response reflects the Company’s performance for the calendar year ended December 31, 2017. Except where noted, the scope of this report includes E. I. du Pont de Nemours and Company before the merger transaction and DuPont as a subsidiary of DowDuPont after the merger transaction.

Please see Further Information for Forward Looking Statements.

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 2017	December 31 2017

W0.3

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

Argentina	Luxembourg
Austria	Malaysia
Belgium	Mexico
Brazil	Netherlands
Canada	Philippines
Chile	Republic of Korea
China	Romania
Czechia	Singapore
Denmark	Spain
Finland	Switzerland
France	Taiwan (Province of China)
Germany	United Kingdom of Great Britain and Northern Ireland
India	United States of America
Indonesia	Zimbabwe
Japan	

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	Due to de minimis water usage

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, slurring, reaction medium and incorporation into products. There is also a need for sufficient potable water for employee/contractor drinking, showering and on-site domestic uses. Some of our products, including food additives and enzymes, acids and other chemicals, pigments, and pesticides are typically used in a water medium.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Have not evaluated	Many operations make use of recycled water to reduce their uses of freshwater where possible. Several sites in shore locations use seawater for cooling purposes rather than freshwater. Most of the types of products mentioned in the row above are likely to require good quality freshwater. However, it is also likely that high quality recycled water could be used instead.

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 and report this water aspect. Monitoring and reporting is optional for minor non-manufacturing sites.
Water withdrawals – volumes from water stressed areas	100%	All sites in water stressed areas are required to monitor and report this water aspect. Furthermore, all DuPont sites in locations identified at high or extremely high risk for water must develop water risk reduction plans and implement priority objectives by 2020. Plans must include engagement with external stakeholders to ascertain priority concerns.
Water withdrawals – volumes by source	100%	All manufacturing/production sites and all significant non-manufacturing sites are required to monitor and report this water aspect. Monitoring and reporting is optional for minor non-manufacturing sites.

	% of sites/facilities/operations	Please explain
Produced water associated with your metals & mining sector activities - total volumes	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes	<Not Applicable>	<Not Applicable>
Water withdrawals quality	Not monitored	
Water discharges – total volumes	76-99	All manufacturing/production sites and all significant non- manufacturing sites monitor this water aspect as required by local regulation or contracts. However, this data is collected centrally by only two business segments in the company, comprising approximately 25% of the sites in the company.
Water discharges – volumes by destination	76-99	All manufacturing/production sites and all significant non- manufacturing sites monitor this water aspect as required by local regulation or contracts. However, this data is collected centrally by only two business segments in the company, comprising approximately 25% of the sites in the company.
Water discharges – volumes by treatment method	Less than 1%	Not significant aspect.
Water discharge quality – by standard effluent parameters	100%	All manufacturing/production sites and all significant non-manufacturing sites are required to monitor and report this water discharge COD. Monitoring and reporting is optional for minor non-manufacturing sites. Two businesses, comprising approximately 25% of the sites in the company, also collect data on BOD, Total Nitrogen, Total Phosphorus and TSS. All sites monitor other water discharge quality data as required by local regulation or contract, or to assure proper operation of treatment operations.
Water discharge quality – temperature	Not monitored	
Water consumption – total volume	100%	All manufacturing/production sites and all significant non-manufacturing sites are required to monitor and report this water aspect. Monitoring and reporting is optional for minor non-manufacturing sites.
Water recycled/reused	Not monitored	While this data is not validated at a corporate level, one business, comprising 28% of sites in company, collects data on recycled/recirculated water.
The provision of fully-functioning, safely managed WASH services to all workers	100%	The corporation maintains a policy and standards on this aspect. Sites are audited against this standard. In addition, DuPont has signed on to the World Business Council for Sustainable Development WASH Pledge.

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	304649	Higher	Data is more accurate because 1 business moved from modeling to actual data entry.
Total discharges	0	Please select	We do not collect this information at the corporate level.
Total consumption	161356	Much higher	Data is more accurate because 1 business moved from modeling to actual data entry.

W1.2d

(W1.2d) Provide the proportion of your total withdrawals sourced from water stressed areas.

	% withdrawn from stressed areas	Comparison with previous reporting year	Identification tool	Please explain
Row 1	0.84	About the same	WRI Aqueduct	To understand our water risks and impact, we use both the World Business Council for Sustainable Development (WBCSD) Global Water Tool and the World Resources Institute (WRI) Aqueduct Water Risk Modeling Tool. The WBCSD tool enabled identification of those operations in locations projected to be scarce or stressed water locations by 2025. The WRI tool provided information on a broader number of water risk parameters with projections to 2030. Based on this mapping, only 0.84% of our total water withdrawals are sourced from water stressed areas.

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	162708	Lower	Data is more accurate because 1 business moved from modeling to actual data entry.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	We do not collect this data at the corporate level.
Groundwater – renewable	Not relevant	<Not Applicable>	<Not Applicable>	
Groundwater – non-renewable	Relevant	24914	About the same	
Produced water	Relevant	117039	Much higher	Data is more accurate because 1 business moved from modeling to actual data entry.
Third party sources	Not relevant	<Not Applicable>	<Not Applicable>	We do not track this information corporate level, other than purchased water.

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	Not relevant	<Not Applicable>	<Not Applicable>	We do not collect this information at the corporate level.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	We do not collect this information at the corporate level.
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	We do not collect this information at the corporate level.
Third-party destinations	Not relevant	<Not Applicable>	<Not Applicable>	We do not collect this information at the corporate level.

W-CH1.3

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

No, but we intend to do so within the next two years

W1.4

(W1.4) Do you engage with your value chain on water-related issues?

Yes, our suppliers

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

26-50%

% of total procurement spend

26-50

Rationale for this coverage

Our supplier sustainability assessment program adopts a risk-based approach and assesses strategic and core suppliers based on more than 20 environmental, social and governance criteria. Suppliers are chosen for assessment based, in part, on the value of their annual contracts with DuPont. We ask those suppliers to complete the EcoVadis survey, an online assessment framework based upon international ESG standards such as the Ten Principles of the UN Global Compact, ILO conventions, GRI standards, the ISO 26000 standard, the CERES Roadmap, and the UN Guiding Principles.

Impact of the engagement and measures of success

Success varies depending on the type of stakeholder engagement. For suppliers, success may be successful adherence to the DuPont Supplier Code of Conduct. In 2017, we continued to make progress on the roll out of our supplier sustainability assessment program and have assessed approximately 380 suppliers, representing approximately 40% of our strategic and core supplier base.

Comment

DuPont is also a member of Together for Sustainability (TfS), a joint initiative of chemical companies that has established a standard approach for evaluating and improving the sustainability performance of suppliers within chemical industry supply chains. Our membership allows us to review the EcoVadis scorecards for suppliers to other TfS members, allowing us to evaluate the ESG performance of suppliers that might not meet the inclusion criteria of our assessment program.

W1.4b

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

Type of engagement

No other supplier engagements

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?

No

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 defers to international, federal and local laws and regulations to 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. In the United States, these laws and regulations are administered by the U.S. Environmental Protection Agency (EPA), the U.S. Occupational Safety and Health Administration (OSHA), and the U.S. Department of Transportation (DOT). Depending on the region, the environment and the agency, the definition for "hazardous material" may vary. For instance,

- OSHA's defines any substance or chemical which is a "health hazard" or "physical hazard" as hazardous, including but not limited to chemicals that are carcinogens, toxic agents, irritants, corrosives, etc.; agents that damage the lungs, skin, eyes, etc.; chemicals that are combustible, explosive, flammable, unstable-reactive or water-reactive; chemicals that may produce or release dusts, gases, fumes, vapors, etc.; and more.
- EPA incorporates the OSHA definition, and adds any item or chemical which can cause harm to people, plants, or animals when released by spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, etc., into the environment; and explicitly lists hundreds of chemicals.
- DOT defines a hazardous material as any item or chemical which, when being transported or moved in commerce, is a risk to public safety or the environment. In addition, hazardous materials in transport are regulated by the International Maritime Dangerous Goods Code; Dangerous Goods Regulations of the International Air Transport Association; Technical Instructions of the International Civil Aviation Organization

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
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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

Not defined

How far into the future are risks considered?

6 to 10 years

Type of tools and methods used

Tools on the market

Tools and methods used

WBCSD Global Water Tool

WRI Aqueduct

Comment

We mapped current sites using both the WBCSD Global Water Tool, which enabled identification of operations in locations projected to be scarce or stressed water locations by 2025, and the WRI Aqueduct Water Risk Modeling Tool, which provided information on a broader number of water risk parameters with projections to 2030. DuPont conducts water risk assessments approximately every four years, but updates when new facilities are brought into operational control (ex: construction or acquisition).

Supply chain

Coverage

Partial

Risk assessment procedure

Water risks are assessed in an environmental risk assessment

Frequency of assessment

Annually

How far into the future are risks considered?

6 to 10 years

Type of tools and methods used

Tools on the market

Tools and methods used

Other, please specify (EcoVadis)

Comment

Suppliers that meet a spending threshold are asked to complete the EcoVadis survey, an online assessment based upon ESG standards such as the Ten Principles of the UN Global Compact, the International Labour Organization (ILO) conventions, the Global Reporting Initiative (GRI)'s standards, the ISO 26000 standard, the CERES Roadmap, and the UN Guiding Principles on Business and Human Rights. In 2017 we assessed approximately 380 suppliers, representing approximately 40% of our supply chain spend.

Other stages of the value chain

Coverage

None

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	DuPont uses location-based parameters from both the World Business Council for Sustainable Development (WBCSD) Global Water Tool and the World Resources Institute (WRI) Aqueduct water risk model. The WBCSD tool includes water availability parameters. The WRI tool includes both water availability and water quality parameters.
Water quality at a basin/catchment level	Relevant, always included	DuPont uses location-based parameters from both the World Business Council for Sustainable Development (WBCSD) Global Water Tool and the World Resources Institute (WRI) Aqueduct water risk model. The WBCSD tool includes water availability parameters. The WRI tool includes both water availability and water quality parameters.
Stakeholder conflicts concerning water resources at a basin/catchment level	Relevant, always included	DuPont uses location-based parameters from the World Resources Institute (WRI) Aqueduct water risk model. The tool includes parameters related to access to improved drinking water and to local reputational concerns. We have also considered progress reported by the World Health Organization (WHO) on its Millennium Development Goals for improved drinking water and improved sanitation, although these are provided at a country level. In 2015, we set a goal that all DuPont sites in locations identified at high or extremely high risk for water must develop water risk reduction plans and implement priority objectives by 2020. Plans must include engagement with external stakeholders to ascertain priority concerns. Sites also have Community Advisory Panels which provide input from the local community to site leadership.
Implications of water on your key commodities/raw materials	Relevant, always included	Our Pioneer agricultural seed division maintains seed hybrid development sites throughout the world in order to develop seeds adapted to local environmental conditions including water and soil conditions.
Water-related regulatory frameworks	Relevant, always included	DuPont uses location-based parameters from the World Resources Institute (WRI) Aqueduct water risk model. The tool includes parameters related to regulatory aspects.
Status of ecosystems and habitats	Not relevant, explanation provided	There were no known significant impacts on biodiversity in 2017. Water and runoff discharges from DuPont sites do not significantly affect any habitats because of the following: 1. None of the discharges account for an average of 5% or more of the annual average volume of a given water body. 2. None of the discharges are known

	Relevance & inclusion	Please explain
		to have or are highly likely to have significant impacts on the water body and associated habitats. 3. None of the discharges are to water bodies that are recognized by professionals to be particularly sensitive due to their relative size, function, or status as a rare, threatened, or endangered system (or to their support of a particular endangered species of plant or animal).
Access to fully-functioning, safely managed WASH services for all employees	Relevant, always included	DuPont has committed to the WBCSD WASH Pledge for employees in the workplace at sites under DuPont control.
Other contextual issues, please specify	Relevant, always included	Estimates of future changes in water availability at a local level: DuPont uses location-based parameters from both the World Business Council for Sustainable Development (WBCSD) Global Water Tool and the World Resources Institute (WRI) Aqueduct water risk model. The WBCSD tool projects water availability to the year 2025. The WRI tool projects water availability changes through a number of 10-year increments.

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	Customers are factored in two ways: assuring continuity of product supply and developing products adapted to customer water conditions. Multiple facilities manufacture many of our major products so that drought or flood conditions causing reductions at one site can be compensated at another. An example of developing products adapted to customer water conditions: Pioneer agricultural seed division maintains sites throughout the world in order to develop seeds adapted to local water conditions.
Employees	Relevant, always included	DuPont has long-held a standard that requires potable water be available for employee and contractor consumption and food preparation, and clean water available for employee and contractor hygiene.
Investors	Relevant, always included	Investors are factored in two ways: assuring continuity of product supply and developing products adapted to customer water conditions. Multiple facilities manufacture many of our major products so that drought or flood conditions causing reductions at one site can be compensated at another. An example of developing products adapted to customer water conditions: Pioneer agricultural seed division maintains sites throughout the world in order to develop seeds adapted to local water conditions.

	Relevance & inclusion	Please explain
Local communities	Relevant, always included	We use the Aqueduct tool from World Resources Institute which takes into account long term stress and near term drought in assessing the water risk of our sites. In 2015 we set a goal that all DuPont sites in locations identified at high or extremely high risk for water must develop water risk reduction plans and implement priority objectives by 2020. Plans must include engagement with external stakeholders to ascertain priority concerns. Sites also have Community Advisory Panels that provide input from the local community to site leadership.
NGOs	Relevant, always included	Sites have Community Advisory Panels that provide input, including from NGOs, from the local community to site leadership.
Other water users at a basin/catchment level	Relevant, always included	We use the Aqueduct tool from World Resources Institute which takes into account long term stress and near term drought in assessing the water risk of our sites. A primary parameter included is Baseline Water Stress which takes into account withdrawals by all users in a locality.
Regulators	Relevant, always included	DuPont uses location-based parameters from the World Resources Institute (WRI) Aqueduct water risk model. The tool includes parameters related to regulatory aspects.
River basin management authorities	Not considered	
Statutory special interest groups at a local level	Relevant, sometimes included	DuPont uses location-based parameters from the World Resources Institute (WRI) Aqueduct water risk model. The tool includes parameters related to regulatory and reputational aspects.
Suppliers	Relevant, sometimes included	Our supplier sustainability assessment program adopts a risk-based approach and assesses strategic and core suppliers based on more than 20 criteria across four areas, including environmental performance, labor practices, ethics, and supply chain sustainability. Suppliers are chosen for assessment based, in part, on the value of their annual contracts with DuPont. Suppliers that meet a certain spending threshold are asked to complete the EcoVadis survey, an online assessment framework based upon international ESG standards such as the Ten Principles of the UN Global Compact, the International Labour Organization (ILO) conventions, the Global Reporting Initiative (GRI)'s standards, the ISO 26000 standard, the CERES Roadmap, and the UN Guiding Principles on Business and Human Rights. Also, DuPont is a member of Together for Sustainability (TfS), a joint initiative of chemical companies that has established a standard approach for evaluating and improving the sustainability performance of suppliers within chemical industry supply chains. Our membership allows us to review the EcoVadis scorecards for suppliers to other TfS members, allowing us to evaluate the ESG performance of suppliers that might not meet the inclusion criteria of our assessment program. In 2017, we continued to make progress on the roll out of our supplier sustainability assessment program and have assessed approximately 380 suppliers, representing approximately 40% of our strategic and core supplier base.
Water utilities at a local level	Not considered	

	Relevance & inclusion	Please explain
Other stakeholder, please specify	Not relevant, explanation provided	No additional factors were considered relevant for evaluation.

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.

DuPont has mapped its current locations using both the World Business Council for Sustainable Development (WBCSD) Global Water Tool and the World Resources Institute (WRI) Aqueduct Water Risk Modelling Tool. The WBCSD tool enabled identification of those operations in locations projected to be scarce or stressed water locations by 2025. The WRI tool provided information on a broader number of water risk parameters with projections to 2030.

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?

What constitutes “material” must be judged from the viewpoint of a reasonably prudent investor making a decision 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. DuPont does not believe it has any material water risks.

In item 1A of the DuPont annual 10-K report, we do identify unpredictable seasonal and weather factors as a risk that could impact sales and earnings from the company’s Agriculture segment. Weather factors such as droughts or changing precipitation patterns could impact the agriculture sector in several ways. Please refer to Item 1A of the DuPont annual 10-K report for a discussion of risk factors.

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	DuPont does not believe it has any material water risks related to specific river basins. DuPont is a highly diversified company with hundreds of manufacturing/production operations. Many of our primary products are produced at multiple sites. Through this diversity of operations, we are able to reduce exposure to water risks in our direct operations. The only river basin identified as scarce or stressed with production levels exceeding 2% of the corporate total is in a highly developed region that maintains infrastructure that manages the issue. Please refer to Item 1A of our the DuPont 10-K report for a discussion of risk factors.

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	DuPont is a highly diversified company with many thousands of products and many thousands of suppliers. Through this diversity of products and suppliers, including multiple suppliers for most key ingredients, we are able to reduce exposure to supply chain water risks.

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

Drought tolerant corn hybrids branded as Aquamax™ produce higher corn yields than conventional counterparts under water stressed conditions. Drought tolerance is a key research initiative for Pioneer from both a native trait and transgenic trait perspective. A comprehensive yield testing program was conducted in prior years to identify the corn hybrids that justify the AquaMax brand.

Estimated timeframe for realization

Current - up to 1 year

Magnitude of potential financial impact

Unknown

Potential financial impact

Explanation of financial impact

Pioneer AquaMax™ corn hybrids were planted by Pioneer customers for the first time in 2011. New revenue opportunities for Pioneer from the sale of AquaMax corn hybrids. Extensive investments are directed at drought tolerance and research is being conducted to characterize the advantages of drought tolerant corn hybrids under diverse climatic conditions and environments.

Type of opportunity

Markets

Primary water-related opportunity

Increased brand value

Company-specific description & strategy to realize opportunity

Our Nutrition and Health business is currently working to develop additional innovations in products and operations to maximize water resources and further our competitive advantage.

Estimated timeframe for realization

Current - up to 1 year

Magnitude of potential financial impact

Unknown

Potential financial impact

Explanation of financial impact

Our Nutrition and Health business produces soy proteins for the food industry. It has a competitive advantage in that total lifecycle of soy vs. animal proteins such as milk, meat and eggs demonstrate less water usage.

Type of opportunity

Products and services

Primary water-related opportunity

Sales of new products/services

Company-specific description & strategy to realize opportunity

Developing products for water filters to improve the water quality of water used in manufacturing and by consumers.

Estimated timeframe for realization

1 to 3 years

Magnitude of potential financial impact

Unknown

Potential financial impact

Explanation of financial impact

New revenue opportunities for the enhanced water filter media are expected in 2 to 5 years.

Type of opportunity

Markets

Primary water-related opportunity

Stronger competitive advantage

Company-specific description & strategy to realize opportunity

In 90% of the applications, ClO₂ is replacing chlorine due to regulatory drivers associated with the chlorinated by-products that limits its use. DuPont has dedicated resources and applications for ClO₂ in all regions of the world.

Estimated timeframe for realization

Current - up to 1 year

Magnitude of potential financial impact

Unknown

Potential financial impact

Explanation of financial impact

This is an opportunity for new revenue.

Type of opportunity

Products and services

Primary water-related opportunity

Sales of new products/services

Company-specific description & strategy to realize opportunity

We develop products for “smart” agriculture that enable farmers to more accurately predict timing of events such as pest migrations and movements.

Estimated timeframe for realization

Current - up to 1 year

Magnitude of potential financial impact

Unknown

Potential financial impact

Explanation of financial impact

Pests can significantly reduce agricultural yields and quality. Most farmers rely on inefficient calendar-spraying and other pre-established programs that produce mixed results. Products such as Evalio® AgroSystems utilize a network that monitors pest populations and their movements, it offers real-time warnings to farmers, resulting in crop protection measures that are targeted for maximum benefit. Tested against conventional growing methods in Italy results included improved yield and crop quality, economic savings for farmers, and a reduction in water consumption and greenhouse gas emissions.

W6. Governance

W6.1

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

Yes, we have a documented water policy that is publicly available

W6.1a

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

	Scope	Content	Please explain
Row 1	Company-wide	Description of water-related standards for procurement Acknowledgement of the human right to water and sanitation	DuPont's Core Values includes a commitment to environmental stewardship. Our Core Values are described in the DuPont Code of Conduct. This document covers all DuPont employees and is publicly available. In addition, the DuPont Commitment to Safety, Health, and the Environment includes provisions on the conservation and efficient use of water. Our Supplier Code of Conduct requires our suppliers to uphold DuPont's Core Values and our supplier sustainability program evaluates suppliers on a host of sustainability metrics, including water-related indicators. In addition, DuPont supports basic human rights through support of the UN Global Compact and other frameworks.

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) of the individual(s) on the board with responsibility for water-related issues.

Position of individual	Please explain
Other, please specify (Environment, Health and Safety Committee) <i>DowDuPont Board of Directors Committee</i>	The Environment, Health and Safety Committee (EHSC) of, a sub-set of the DowDuPont Board of Directors, oversees responsibilities with respect to environment, health, safety, corporate social responsibility and corporate reputation, including any material water-related issues. The EHSC, among other duties, assesses current aspects of the Company's environment, health and safety policies and performance, risk, and compliance management; and oversees and advises the Board of Directors on matters impacting corporate social responsibility and the Company's public reputation.

W6.2b

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

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	Monitoring implementation and performance Reviewing and guiding risk management policies Reviewing and guiding corporate responsibility strategy	The Environment, Health and Safety Committee (EHSC), a sub-set of the DowDuPont Board of Directors (BoD), oversees responsibilities with respect to environment, health, safety, corporate social responsibility and corporate reputation, including any material water-related issues. The EHSC, among other duties, assesses current aspects of the Company's environment, health and safety policies and performance, risk, and compliance management; and oversees and advises the Board of Directors on matters impacting corporate social responsibility and the Company's public reputation. The EHSC meets as often as important matters arise, but no fewer than two times annually.

W6.3

(W6.3) Below board level, provide the highest-level management position(s) or committee(s) with responsibility for water-related issues.

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

As important matters arise

Please explain

DuPont's Vice President of Public Policy also serves as the Chief Sustainability Office, reporting directly to a DuPont Executive Vice President on the CEO's staff and engaging regularly with the BoD. The DuPont CSO manages DuPont's corporate sustainability team and is responsible for DuPont corporate sustainability strategy, including goal-setting and reporting. In line with these strategic responsibilities, the CSO oversees our policies, commitments and performance on matters related to climate change.

W-FB6.4/W-CH6.4/W-EU6.4/W-OG6.4/W-MM6.4

(W-FB6.4/W-CH6.4/W-EU6.4/W-OG6.4/W-MM6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?

Yes

W-FB6.4a/W-CH6.4a/W-EU6.4a/W-OG6.4a/W-MM6.4a

(W-FB6.4a/W-CH6.4a/W-EU6.4a/W-OG6.4a/W-MM6.4a) What incentives are provided to C-suite employees or board members for the management of water-related issues?

	Who is entitled to benefit from these incentives?	Indicator for incentivized performance	Please explain
Monetary reward	Corporate executive team Chief Sustainability Officer (CSO)	Behavior change related indicator	Each year, DuPont sets corporate objectives for the company that include both financial and nonfinancial targets. Non-financial targets include advancing our “commitment to zero” in our Core Values of Safety and Health, Environmental Stewardship, Highest Ethical Behavior, and Respect for People. These corporate objectives serve as the guiding goals for the organization and are incorporated into the performance metrics of employees, including leadership, as appropriate based on level and area of responsibility. For example, our Chief Sustainability Officer, who is a member of our senior leadership team, is responsible for driving progress against our corporate sustainability goals.
Recognition (non-monetary)	Please select	Please select	
Other non-monetary reward	Please select	Please select	

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?

No

W7. Business strategy

W7.1

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

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	5-10	In 2015 we set a goal that all DuPont sites in locations identified at high or extremely high risk for water must develop water risk reduction plans and implement priority objectives by 2020. Plans must include engagement with external stakeholders to ascertain priority concerns.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	Please select	DuPont develops agricultural solutions to improve yield and produce under difficult environmental conditions. For example, drought tolerant corn hybrids branded as AquaMax™ produce higher corn yields than conventional counterparts under water-stressed conditions.
Financial planning	No, water-related issues were reviewed but not considered as strategically relevant/significant	Please select	

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?

	Water-related CAPEX (+/- % change)	Anticipated forward trend for CAPEX (+/- % change)	Water-related OPEX (+/- % change)	Anticipated forward trend for OPEX (+/- % change)	Please explain
Row 1					DuPont does not currently report on water-specific capital or operating expenditures. However, our financial results are made available in our annual 10-K filing and can be accessed at the DuPont Investor Relations website.

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	No, but we anticipate doing so within the next two years	Since the 2015 announcement, oversight of climate change issues has been transferred to the sustainability leadership teams for the intended heritage DuPont subsidiaries—the Corteva Sustainability Steering Committee and the Specialty Products Division’s Sustainability Leadership Council. These management bodies are made up of representatives from each business platform and key functions from heritage Dow and heritage DuPont to ensure a full view of historical approaches and future opportunities. These two teams will create independent sustainability strategies appropriate to their unique markets and business models.

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, and we do not anticipate doing so within the next two years

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	Basin specific targets and/or goals	Targets are monitored at the corporate level Goals are monitored at the corporate level	As part of our 2020 sustainability goals, we have committed that all DuPont sites in locations evaluated as high or extremely high water-risk will establish water risk mitigation plans and complete priority implementation objectives by 2020. In 2015 and 2016, the primary progress achieved against this new goal was its announcement in November 2015 and working to educate and support the businesses in 2016. To understand our water risks and impact, we use both the World Business Council for Sustainable Development (WBCSD) Global Water Tool and the World Resources Institute (WRI) Aqueduct Water Risk Modeling Tool. The WBCSD tool enabled identification of those operations in locations projected to be scarce or stressed water locations by 2025. The WRI tool provided information on a broader number of water risk parameters with projections to 2030.

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

Other, please specify (Water risk)

Level

Site/facility

Primary motivation

Risk mitigation

Description of target

All DuPont sites in locations evaluated as high or extremely high water-risk will establish water risk mitigation plans and complete priority implementation objectives by 2020. This applies to DuPont 18 sites in 11 stressed river basins.

Quantitative metric

Other, please specify (# of sites with risk mitigation plans)

Baseline year

2015

Start year

2015

Target year

2020

% achieved

89

Please explain

16 of the 18 sites located in areas evaluated as high or extremely high water-risk have developed water risk mitigation plans. The other two sites are still developing and reviewing their plans.

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 workplace

Level

Company-wide

Motivation

Other, please specify (Commitment to WBCSD WASH Pledge)

Description of goal

WBCSD WASH Pledge - Level 1 in the Workplace: Implementing access to safe water, sanitation and hygiene at the workplace at an appropriate level of standard for all employees in all premises under their control within three years after signature.

Baseline year

2015

Start year

2015

End year

2018

Progress

Pledge signed in November 2015 and initial communication to relevant businesses initiated in 2016.

W9. Linkages and trade-offs

W9.1

(W9.1) Has your organization identified any linkages or tradeoffs between water and other environmental issues in its direct operations and/or other parts of its value chain?

Yes

W9.1a

(W9.1a) Describe the linkages or tradeoffs and the related management policy or action.

Linkage or tradeoff

Linkage

Type of linkage/tradeoff

Other, please specify (Food-energy-water nexus)

Description of linkage/tradeoff

DuPont regularly conducts a sustainability-focused materiality assessment to understand the most significant environmental and social issues and opportunities associated with its business. As part of this process, DuPont and the stakeholders it engaged identified the food-energy-water nexus as a potential sustainability issue. There is an inherent overlap and interconnection of energy, food, and water. Reducing one input often leads to a rise in another.

Policy or action

As a global company with significant operations in the agricultural industry, we monitor this issue and regularly engage with external stakeholders. In addition, we are actively involved in a number of organizations, such as the World Business Council for Sustainable Development, that seek to understand and identify solutions to issues such as this.

W10. Verification

W10.1

(W10.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1d)?

No, we do not currently verify any other water information reported in our CDP disclosure

W11. Sign off

W-FI

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

Forward-Looking Statements: This document contains forward-looking statements which may be identified by their use of words like “plans,” “expects,” “will,” “believes,” “intends,” “estimates,” “anticipates” or other words of similar meaning. All statements that address expectations or projections about the future, including statements about the company’s strategy for growth, product development, regulatory approval, market position, anticipated benefits of recent acquisitions, timing of anticipated benefits from restructuring actions, outcome of contingencies, such as litigation and environmental matters, expenditures and financial results are forward-looking statements.

Please see attached file for DuPont's full notice on forward-looking statements.

[Forward-Looking Statement 2017.pdf](#)

W11.1

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

	Job title	Corresponding job category
Row 1	Chief Sustainability Officer and VP of Public Policy	Chief Sustainability Officer (CSO)

W11.2

(W11.2) 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)].

No