W0. Introduction

W0.1

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

Ford Motor Company is a global automotive company based in Dearborn, Michigan with about 202,000 employees and multiple plants worldwide. Our core business includes designing, manufacturing, marketing, financing and servicing a full line of Ford cars, trucks, SUVs and electrified vehicles, as well as Lincoln luxury vehicles. At the same time, Ford is aggressively pursuing emerging opportunities through Ford Smart Mobility, the company’s plan to be a leader in connectivity, mobility, autonomous vehicles, the customer experience, and data and analytics. The company provides financial services through Ford Motor Credit Company. For more information regarding Ford and its products worldwide or Ford Motor Credit Company, visit www.corporate.ford.com. Contributing to a better world has always been a core value at Ford, and our commitment to sustainability is a key part of who we are. Our vision is to create an even more dynamic and vibrant company that improves people’s lives around the world and creates value for all of our stakeholders. Our sustainability efforts today can bring about a better tomorrow.

Our pledge to do our part remains the same as we are focused on reducing greenhouse gas emissions in our operations and products, today and in the future, Ford’s lineup today brings customers great choices in affordable fuel economy and quality. We remain absolutely committed to improving fuel efficiency for our customers and for the environment, which is why we’re investing an additional $4.5 billion in electric vehicle solutions by 2020. For us, mobility is about human progress and making people’s lives better in mature economies and major cities as well as helping solve problems in areas of the world that tend to be under-served by technology advances. Beyond our fence line, we’re committed to reducing the environmental footprint with our key suppliers. With stakeholders expecting us to be ever-more sustainable, we are working with our complex network of suppliers to reduce our combined environmental footprint through our Partnership for A Cleaner Environment (PACE) program. To us, driver safety is not just about making safer vehicles. We’re also promoting safer behavior through a range of driver assist and semi-autonomous technologies. Details of our strategies, goals and progress can be found within the 2017/18 Sustainability Report (http://corporate.ford.com/microsites/sustainability-report-2017-18/index.html).

W0.2

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

<table>
<thead>
<tr>
<th>Reporting year</th>
<th>Start date</th>
<th>End date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>January 1 2017</td>
<td>December 31 2017</td>
</tr>
</tbody>
</table>

W0.3
(W0.3) Select the countries/regions for which you will be supplying data.
Argentina
Brazil
Canada
China
France
Germany
India
Mexico
Romania
Russian Federation
South Africa
Spain
Taiwan (Province of China)
Thailand
Turkey
United Kingdom of Great Britain and Northern Ireland
United States of America
Venezuela (Bolivarian Republic of)
Viet Nam

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.

<table>
<thead>
<tr>
<th>Exclusion</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial office buildings and facilities not associated with manufacturing.</td>
<td>The use of water in office buildings is excluded because many Ford office buildings are leased and Ford does not have direct control over the water usage. Also, the amount of water used in office buildings is minor compared to the amount of water used in manufacturing plants. Commercial office buildings and facilities not associated with manufacturing are, however, encouraged to independently develop programs to monitor, track, and reduce water usage.</td>
</tr>
<tr>
<td>Facilities with 50% or less Ford ownership (or Ford controlling interest) and facilities that consumed 30,000 cubic meters per year or less of water.</td>
<td>The threshold of 30,000 cubic meters is intended to exclude new manufacturing plants that are ramping up and small satellite commercial and testing facilities. New manufacturing facilities that use greater than 30,000 cubic meters per year during the first full year of production after CY2000 will be added to the program. Manufacturing facilities that fall below 24,000 cubic meters per year for two consecutive calendar years will be subsequently excluded from the program. Facilities shall re-enter the program if water use exceeds 30,000 cubic meters in any successive year.</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Sufficient amounts of good quality freshwater available for use</th>
<th>Direct use importance rating</th>
<th>Indirect use importance rating</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vital</td>
<td>Important</td>
<td></td>
<td>Direct use of freshwater is vital for operations because Ford uses water in many key manufacturing processes, including vehicle painting, cooling towers, and machining of powertrain components as well as for employee use (WASH). Indirect freshwater use is also important to operations. Ford is a large purchaser of materials, parts and components that use water in their manufacture such as aluminum, steel, rubber, and plastics. A lack of good quality freshwater can have an appreciable impact on our direct and indirect operations hence the rating of &quot;vital for operations&quot; and &quot;important&quot;. Ford expects that sufficient amounts of good quality freshwater available for use will continue to be vital for direct use in the future, as our core manufacturing processes will be the same. We expect that our suppliers will continue to depend on access to water for operations and that water scarcity concerns will continue to emerge globally, due to the increased demand and variable supply.</td>
</tr>
</tbody>
</table>

W1.2

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

<table>
<thead>
<tr>
<th>Water withdrawals – total volumes</th>
<th>% of sites/facilities/operations</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water withdrawals – total volumes</td>
<td>100%</td>
<td>Ford’s standard practice is to measure and monitor incoming water at 100 percent of sites. Each Ford manufacturing facility obtains this data from water bills and enters it into a corporate database monthly. Water use is vital for manufacturing operations and community use, therefore it is important to track actual usage as a baseline for water goal setting.</td>
</tr>
</tbody>
</table>

| Water withdrawals – volumes from water stressed areas | 100%                             | Ford’s standard practice is to measure and monitor incoming water at 100 percent of sites, which would also include water withdrawals from facilities located in water stressed areas. We determine which of our facilities are in water stressed areas through the use of publicly available tools as well as internal knowledge. Water sources include city, surface, well, and gray water (wastewater). It is important to understand the source of the water withdrawal from a watershed impact perspective and as a baseline for goal setting. Each Ford manufacturing facility obtains this data from water bills and enters it into a corporate database monthly. |

| Water withdrawals – volumes by source | 100%                             | Ford’s standard practice is to measure and monitor incoming water at 100 percent of sites. Water sources include city, surface, well, and gray water (wastewater). It is important to understand the source of the water withdrawal from a watershed impact perspective and as a baseline for goal setting. Each Ford manufacturing facility obtains this data from water bills and enters it into a corporate database monthly. |

| Produced water associated with your metals & mining sector activities - total volumes | <Not Applicable> |<Not Applicable> |

<p>| Produced water associated with your oil &amp; gas sector activities - total volumes | &lt;Not Applicable&gt; |&lt;Not Applicable&gt; |</p>
<table>
<thead>
<tr>
<th>% of sites/facilities/operations</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water withdrawals quality</td>
<td>100% Water used in production processes must meet strict quality standards and therefore it is measured and monitored in all Ford facilities. The frequency of monitoring varies depending on the consistency of the water source, availability of pre-treatment at the plant, and the criticality of the operation in which it is used. Monitoring frequency can range from daily to monthly to annually. Monitoring is done by sampling and analysis, with TDS and conductivity being commonly monitored.</td>
</tr>
<tr>
<td>Water discharges – total volumes</td>
<td>100% Ford’s standard practice is to measure and monitor process water discharge at 100 percent of sites. Process water discharge can be measured or calculated. Discharge data provides a key data point to calculate consumption. Process water discharge volumes are monitored by a combination of continuous flow meters and batch volume determinations. Each Ford manufacturing facility then enters this data monthly into a corporate database. Sanitary is only able to be measured at sites that have sanitary meters.</td>
</tr>
<tr>
<td>Water discharges – volumes by destination</td>
<td>100% Ford’s standard practice is to measure and monitor process water discharge at 100 percent of sites. Tracking destination provides data regarding how watersheds may be affected. Process water discharge can be measured or calculated. Discharge data provides a key data point to calculate consumption. Process water discharge volumes are monitored by a combination of continuous flow meters and batch volume determinations. Each Ford manufacturing facility enters this data monthly into a corporate database. Sanitary is only able to be measured at sites that have sanitary meters.</td>
</tr>
<tr>
<td>Water discharges – volumes by treatment method</td>
<td>100% Ford’s standard practice is to measure and monitor process water discharge at 100 percent of sites. Process water discharge can be measured or calculated. Discharge data provides a key data point to calculate consumption. Process water discharge volumes are monitored by a combination of continuous flow meters and batch volume determinations. Each Ford manufacturing facility enters this data monthly into a corporate database. Sanitary is only able to be measured at sites that have sanitary meters.</td>
</tr>
<tr>
<td>Water discharge quality – by standard effluent parameters</td>
<td>100% Ford’s discharges are subject to many regulatory requirements, therefore we measure and monitor standard effluent parameters and report to the appropriate regulatory agencies as required. Frequency of monitoring and parameters monitored vary by facility depending on discharge permits, ranging from batch to weekly to annual to continuous. Commonly measured parameters are TSD and zinc. Methods are lab analysis or in-line measurement.</td>
</tr>
<tr>
<td>Water discharge quality – temperature</td>
<td>Not relevant Ford’s water discharges are generally at ambient temperature, so this is not a relevant metric for Ford.</td>
</tr>
<tr>
<td>Water consumption – total volume</td>
<td>76-99 Ford does not separately calculate consumption at each facility on an ongoing basis. This decision is continually reassessed via the water assessments performed each year. Consumption data is obtained from water assessments performed at select Ford facilities. As of 2017, a third party has conducted water assessments at 78% of all Ford facilities. These assessments indicate that consumption associated with water incorporated into the product is not material. Each year we perform assessments at additional facilities and results continue to show that consumption is not material for Ford Motor Company, which is why we do not monitor 100% of sites for water consumption.</td>
</tr>
<tr>
<td>Water recycled/reused</td>
<td>1-25 We monitor wastewater recycling at least monthly using meters. There are also many other recycle and reuse projects at our facilities. Examples include cooling tower cycles of concentration, paint pit water reuse, reverse osmosis reject water reuse, and cooling tower blowdown reuse. Monitoring of these types of recycling and reuse varies in frequency.</td>
</tr>
<tr>
<td>The provision of fully-functioning, safely managed WASH services to all workers</td>
<td>100% Ford has acknowledged the human right to water and in 2014, became a signatory to the UN CEO Water Mandate. Our Code of Human Rights, Basic Working Conditions, and Corporate Responsibility requires Ford to provide a safe and healthy work environment for all employees at 100% of our sites. At existing facilities, human rights assessments are performed, and these include checking on the provision of WASH services to all workers. Human rights assessments are completed on four facilities per year. For new facilities, the method of ensuring that fully-functioning, safely managed WASH services are provided to all workers is inclusion of this requirement in facility building specifications. Therefore when new facilities are built, WASH services are provided to all workers.</td>
</tr>
</tbody>
</table>

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?

<table>
<thead>
<tr>
<th>Volume (megaliters/year)</th>
<th>Comparison with previous reporting year</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total withdrawals</td>
<td>24179</td>
<td>About the same. Ford considers a change of 5% or less to be “about the same”. Total withdrawals decreased by about 2% from 2016 to 2107. If production increases and more areas of the world become water stressed, we expect that our future withdrawals may increase.</td>
</tr>
<tr>
<td>Total discharges</td>
<td>1174</td>
<td>About the same. Total vehicle production for Ford Motor Company remained about the same from 2016 to 2017, therefore total water discharges remained about the same as well. Ford considers a change of 5% or less to be “about the same”. Discharges decreased by about 0.5% from 2016 to 2017. Ford’s standard practice is to measure and monitor process water discharge at 100 percent of sites. Process water discharge can be measured or calculated. Discharge data provides a key data point to calculate consumption. Sanitary is only able to be measured at sites that have sanitary meters. If production increases and more areas of the world become water stressed, we expect that our future discharges may increase.</td>
</tr>
<tr>
<td>Total consumption</td>
<td>13005</td>
<td>About the same. Total vehicle production for Ford Motor Company remained about the same from 2016 to 2017, therefore total water consumption remained about the same as well. Ford considers a change of 5% or less to be “about the same”. Consumption changed by slightly less than 5% from 2016 to 2017. Consumption is calculated based on water balance (Consumption = Withdrawals - Discharges). If production increases and more areas of the world become water stressed, we expect that our future consumption may increase.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>% withdrawn from stressed areas</th>
<th>Comparison with previous reporting year</th>
<th>Identification tool</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1</td>
<td>About the same</td>
<td>WBCSD Global Water Tool</td>
<td>Ford considers a change of 5% or less to be “about the same”. In determining which Ford plants are in water stressed regions, Ford inputted all 80 global facilities into the WBCSD Global Water Tool, and WRI Aqueduct. Using the results from those two tools, and internal Ford Motor Company knowledge, we determined that 14 of our manufacturing facilities were located in water stressed areas. The only new facility that we opened in 2017 was the Tepuano Transmission Plant in Mexico (located in a water stressed area), and this facility only operated for the last few months of 2017. Hence our % withdrawn from water stressed areas is about the same as in 2016.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Source</th>
<th>Relevance</th>
<th>Volume (megaliters/year)</th>
<th>Comparison with previous reporting year</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh surface water, including rainwater, water from wetlands, rivers, and lakes</td>
<td>Relevant</td>
<td>643</td>
<td>About the same</td>
<td>A number of Ford facilities withdraw fresh surface water, and therefore tracking this source is relevant. Total vehicle production for Ford Motor Company remained about the same from 2016 to 2017, therefore water withdrawal from fresh surface water remained about the same as well. Ford considers a change of 5% or less to be &quot;about the same&quot;. Fresh surface water withdrawals decreased by approximately 2% from 2016 to 2017. We expect our future withdrawals of fresh surface water to decrease as this is a focus of our water strategy.</td>
</tr>
<tr>
<td>Brackish surface water/seawater</td>
<td>Not relevant</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>Ford withdrew 24,179 megaliters from fresh surface water, groundwater or third party sources in 2017, and did not withdraw from brackish surface water or seawater, therefore this source is not relevant. We do not expect to withdraw brackish surface water/seawater in the future.</td>
</tr>
<tr>
<td>Groundwater – renewable</td>
<td>Relevant</td>
<td>3178</td>
<td>About the same</td>
<td>A number of Ford facilities withdraw renewable groundwater, and therefore tracking this source is relevant. Total vehicle production for Ford Motor Company remained about the same from 2016 to 2017, therefore water withdrawal of renewable groundwater remained about the same as well, Ford considers a change of 5% or less to be &quot;about the same&quot;. Renewable groundwater withdrawals decreased by about 2% from 2016 to 2017. We expect our future withdrawals of renewable groundwater to decrease.</td>
</tr>
<tr>
<td>Groundwater – non-renewable</td>
<td>Relevant</td>
<td>2309</td>
<td>About the same</td>
<td>A number of Ford facilities withdraw non-renewable groundwater, and therefore tracking this source is relevant. Total vehicle production for Ford Motor Company remained about the same from 2016 to 2017, therefore water withdrawal of non-renewable groundwater remained about the same as well, Ford considers a change of 5% or less to be &quot;about the same&quot;. Our non-renewable groundwater withdrawals increased by about 3% from 2016 to 2017. We expect our future withdrawals of non-renewable groundwater to decrease.</td>
</tr>
<tr>
<td>Produced water</td>
<td>Not relevant</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>Ford withdrew 24,179 megaliters from fresh surface water, groundwater or third party sources in 2017, and did not withdraw from produced water, therefore this source is not relevant. We do not expect to use produced water in the future.</td>
</tr>
<tr>
<td>Third party sources</td>
<td>Relevant</td>
<td>18049</td>
<td>About the same</td>
<td>A number of Ford facilities withdraw water from third party sources, and therefore tracking this source is relevant. Total vehicle production for Ford Motor Company remained about the same from 2016 to 2017, therefore water withdrawal from third party sources remained about the same as well, Ford considers a change of 5% or less to be &quot;about the same&quot;. Our third party withdrawals decreased by about 3% from 2016 to 2017. Third party sources includes both municipal water and wastewater from another organization. We expect to increase our use of wastewater from other organizations in the future.</td>
</tr>
</tbody>
</table>
(W1.2i) Provide total water discharge data by destination.

<table>
<thead>
<tr>
<th></th>
<th>Relevance</th>
<th>Volume (megaliters/year)</th>
<th>Comparison with previous reporting year</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh surface water</td>
<td>Relevant</td>
<td>15</td>
<td>Much higher</td>
<td>A number of Ford facilities discharge to fresh surface water, and therefore tracking this destination is relevant. Ford considers a change of 15% or greater to be “much higher”. While discharges to fresh surface water increased by about 30% from 2016 to 2017, these discharges to fresh surface water are still a very small percentage (0.1%) of total discharges. We expect our discharges to fresh surface water to decrease in the future.</td>
</tr>
<tr>
<td>Brackish surface water/seawater</td>
<td>Not relevant</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>Ford discharged 11,174 megaliters to fresh surface water, groundwater or third party destinations in 2017, and did not discharge to brackish surface water or seawater, therefore this destination is not relevant. We do not expect to discharge to brackish surface water/seawater in the future.</td>
</tr>
<tr>
<td>Groundwater</td>
<td>Relevant</td>
<td>100</td>
<td>Much higher</td>
<td>A number of Ford facilities discharge to groundwater, and therefore tracking this destination is relevant. Ford considers a change of 15% or greater to be “much higher”. While discharges to groundwater increased by about 44% from 2016 to 2017, these discharges to groundwater are still a very small percentage (0.9%) of total discharges. We expect our discharges to groundwater to decrease in the future.</td>
</tr>
<tr>
<td>Third-party destinations</td>
<td>Relevant</td>
<td>11059</td>
<td>About the same</td>
<td>Ford facilities discharged 11,059 megaliters to third-party destinations in 2017, therefore tracking this destination is relevant. Total vehicle production for Ford Motor Company remained about the same from 2016 to 2017, therefore water discharge to third party sources remained about the same as well. Ford considers a change of 5% or less to be “about the same”. Discharges to third-party destinations increased by less than 0.2 percent from 2016 to 2017. Third-party destinations include municipal wastewater treatment plants. We anticipate increasing our discharges to third-party destinations in the future.</td>
</tr>
</tbody>
</table>

(W1.2j) What proportion of your total water use do you recycle or reuse?

<table>
<thead>
<tr>
<th></th>
<th>% recycled and reused</th>
<th>Comparison with previous reporting year</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1</td>
<td>2-10</td>
<td>About the same</td>
<td>Ford reuses water from its onsite wastewater treatment plants at several of its facilities worldwide. Ford also reuses externally sourced wastewater (not included here). For example, over 10 years ago in Chihuahua, we began treating externally sourced treated wastewater to achieve 100 percent recycled water for operational uses with potable water for domestic use only. After treating and extracting the recycled water, any final discharge from our recovery system goes to an evaporation lagoon, eliminating any discharge from the site. In 2018, the site was expanded with a new three-pipe water distribution system. This new system uses not only high-quality treated wastewater in production and potable water for domestic use, but also quality treated gray wastewater for use in toilets, which reduces the plant's freshwater demand even further. At Chennai, we utilize wastewater from our own site and treated wastewater from the local supplier park to feed our recycling system. The treated wastewater goes through a three-stage reverse osmosis system, followed by evaporation and crystallization. This maximizes the amount of recycled water we can extract and eliminates any liquid discharge from the facility. Ford continues to introduce recycling and reuse of water as opportunity presents itself with new projects. In the past year, opportunities were limited, and therefore the percent of recycled and reused water remained about the same. We expect to increase our percent of recycled and reused water to further reduce our dependence on freshwater.</td>
</tr>
</tbody>
</table>

(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) 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
1-25%

% of total procurement spend
51-75

Rationale for this coverage
Ford has over 11,000 suppliers so we request selected suppliers to respond to the CDP Supply Chain’s Water questionnaire based on the water intensity of their commodities and the location of their operations. In 2017, Ford asked 200 selected production and indirect suppliers to report their water management process and water data through the CDP questionnaire. While these suppliers represent about 2% of the total number of suppliers, this value may be misleading because we work hard to capture those suppliers that contribute the most to our overall water footprint. These 200 suppliers represent about 75 percent of Ford's production spend, 10 percent of indirect spend and 60 percent of our total buy of $110 billion. We incentivize our suppliers by presenting annual green pillar awards and include CDP response status as a component of our Supplier Relationship Framework assessment.

Impact of the engagement and measures of success
Ford requests information through CDP’s Water Security questionnaires including the following data: supplier’s corporate and/or site-level water data, supplier requirements, water risk assessment, implications, governance and strategy, targets and initiatives, and compliance. Ford will use the data to determine which suppliers have the largest footprints and the anticipated outcome is to work with them to achieve reductions through the Ford Partnership for A Cleaner Environment (PACE). Ford's internal goal for success of the CDP supplier engagement is to increase supplier response rate each year. We selected this metric because the information that we receive is critical to our understanding of risks and increasing the number of responses each year is necessary to advance this understanding. This year, we exceeded our set goal, as 75% of suppliers responded compared to 71% in 2016. We attribute this increase to improved supplier maturity and to technical guidance that we provided.

Comment

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

<table>
<thead>
<tr>
<th>Type of engagement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Innovation &amp; collaboration</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Details of engagement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educate suppliers about water stewardship and collaboration</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>% of suppliers by number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 1%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>% of total procurement spend</th>
</tr>
</thead>
<tbody>
<tr>
<td>26-50</td>
</tr>
</tbody>
</table>

Rationale for the coverage of your engagement
Ford has over 11,000 suppliers and we invite selected production and indirect suppliers with manufacturing operations to our internal supply chain sustainability program, the Partnership for a Cleaner Environment (PACE). While our current PACE program engagement captures less than 1% of our supply base we work hard to engage those suppliers that contribute the most to our overall water use. These PACE suppliers represent approximately 40% of our Production spend. Our goal via the PACE program is to teach suppliers about the water savings and water stewardship initiatives we have implemented at Ford, ask them to set reduction targets and annually report their progress to us. We also ask suppliers to report leading practices that they have implemented in their facilities, so that the collaboration comes full circle. We provide technical guidance and feedback to these suppliers and ask them to collaborate with their suppliers to share leading practices throughout the supply chain.

Impact of the engagement and measures of success
The main beneficial outcomes of participation in the Ford Partnership for a Cleaner Environment (PACE) program are that it enables suppliers to build resilience by replicating best practice, minimizing environmental impacts, setting reduction targets and reporting their sustainability performance. Suppliers participating in PACE are on track to save an estimated 782 million gallons of water over the next 5 years – enough to fill 1192 Olympic swimming pools - according to 2017 data. The number of suppliers engaged through PACE has increased each year, as additional suppliers join the program and report their progress. As one measure of the program’s success, we selected a KPI of supplier participation (% of strategic suppliers engaged). We had an internal goal of 50 suppliers participating in the PACE program which we achieved in 2017. As the program continues to expand and suppliers’ maturity improves, we hope to set alternative KPIs in future years.

Comment

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

Ford prioritizes engagement with its employees and the communities where its operations are located. By engaging with employees, we are able to deeply embed Ford’s water conservation strategy within each employee’s daily tasks. By engaging with local communities where we have operations, we are able to demonstrate our commitment to the human right to water and the provision of WASH services to all. Ford engages with its employees and local communities through the Ford Volunteer Corps and the Bill Ford Better World Challenge, just to name a few. The Bill Ford Better World Challenge inspires Ford employees around the world to brainstorm ideas that transform daily life, and provides funding to the winning projects. In India, funds and employee volunteers are working with a nonprofit to improve sanitary conditions in an underserved village with the installation of hundreds of SMART toilets, while also helping local residents improve hygiene habits. In Mexico, a new community center is being built to offer residents in a remote location access to clean drinking water, along with bathrooms equipped with flush toilets and hand-washing facilities.

Hundreds of employee volunteers are also engaged in our community-based efforts to conserve water and promote responsible water stewardship. In Thailand, Ford volunteers installed a water system for a nursery’s agriculture project, as part of the renovation of the Special Education Center in Rayong, and helped build a solar-powered water system for Ban Bueng Ta Ta School through the Water Go Green project. Ford Argentina employees work with a local NGO, Movimiento Agua y Juventud, to give rural communities and schools access to safe water. In December 2017, a project to provide access to safe water supplies in two communities in Santiago del Estero Province was completed, with 270 beneficiaries.
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, enforcement orders or other penalties

W2.2b

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

Type of penalty
Other penalty type, please specify (Notice of violation)

Financial impact
0

Country/Region
United States of America

River basin
Mississippi River

Type of incident
Spillage, leakage or discharge of potential water pollutant

Description of penalty, incident, regulatory violation, significance, and resolution
A Notice of Violation was issued to Ford's Kentucky Truck Plant (KTP) on October 3, 2017 for a July urea release into the sewer leading to the Metropolitan Sewer District (MSD) Hite Creek treatment plant. KTP was informed on July 19 that MSD had experienced high levels of ammonia in the influent and effluent samples at the Hite Creek Wastewater Treatment Plant (HCWWTP). The source was believed to be the KTP urea discharge as urea reacts to form ammonia and CO2 in contact with water. On July 20, MSD informed KTP that there had been a fish kill from the HCWWTP discharge along Hite Creek to Harrods Creek. Structural and non-structural controls have been implemented to prevent future releases.

Type of penalty
Other penalty type, please specify (Notice of Violation)

Financial impact
0

Country/Region
United States of America

River basin
Mississippi River

Type of incident
Effluent limit exceedances
Description of penalty, incident, regulatory violation, significance, and resolution
Ford's Louisville Assembly Plant received a Notice of Violation from the Kentucky Department of Water (DOW) for a zinc exceedance during routine monthly stormwater sampling of a permitted outfall. Actions taken to address this include: replacing the asphalt in the outfall area, cleaning the stormwater lines and sump twice, increased good housekeeping in the contractor area, eliminating switcher truck maintenance in the area, installing stormwater catch basin bags in the pipe inlets to collect solids, adding a boom for solids at the outfall, and adding a metalsorb boom to the outfall to remove metals. The plant continues to explore other mitigation technologies and best practices.

Type of penalty
Other penalty type, please specify (Notice of Violation)

Financial impact
0

Country/Region
United States of America

River basin
St. Lawrence

Type of incident
Spillage, leakage or discharge of potential water pollutant

Description of penalty, incident, regulatory violation, significance, and resolution
A Notice of Violation was issued for the release of a solution of eCoat (E/C) bath and Deionized (DI) water. Material entered Lake Erie in June 2017. Approximately 5000 gallons of material was released. Several corrective and preventive actions have been completed including physical isolation of the containment area from the storm water system.

W3. Procedures

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 part of other company-wide risk assessment system

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
Ecolab Water Risk Monetizer
WBCSD Global Water Tool
WRI Aqueduct
WWF-DEG Water Risk Filter
Ceres AquaGauge
Other, please specify (internal company knowledge)

Comment
Ford has reviewed all operations via publicly available tools (Global Water Tool, Aqueduct) to determine which facilities are located in water-scarce regions. Ford also evaluated which operations are projected to be in water-scarce regions by 2025. In response to this analysis, Ford developed a water strategy that is able to prioritize addressing water use, supplier water use and community water issues in these water-stressed regions as directed by Ford's water strategy.

Supply chain

Coverage
Full

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?
>10 years

Type of tools and methods used
Tools on the market
Databases

Tools and methods used
WRI Aqueduct
Maplecroft Global Water Security Risk Index
Other, please specify (Environmental Audits and Self Assessment)

Comment
200 Ford suppliers were asked to report water management through CDP. These suppliers are selected based on the water intensity of supplied commodities and the location of their operations, especially those in water-stressed regions, as determined from Aqueduct and Maplecroft Water Risk maps. In addition some suppliers undergo environmental audits through the Responsible Business Alliance and we ask selected supplier sites to complete a sustainability self assessment questionnaire.
Other stages of the value chain

Coverage
None

Risk assessment procedure
<Not Applicable>

Frequency of assessment
<Not Applicable>

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

Type of tools and methods used
<Not Applicable>

Tools and methods used
<Not Applicable>

Comment

W3.3b

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

<table>
<thead>
<tr>
<th>Issue</th>
<th>Relevance &amp; inclusion</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water availability at a basin/catchment level</td>
<td>Relevant, always included</td>
<td>Ford's global manufacturing water strategy was updated in 2016, setting a new goal of 30% reduction in water use per vehicle from 2015 to 2020, with an aspirational goal of zero potable water use for manufacturing processes, on the way to the ultimate goal of zero water withdrawal for manufacturing. As part of this strategy update, risks and opportunities were evaluated by a global cross-functional team. Global targets have been cascaded to the regional and plant level, and these metrics are reported regularly to senior management. In order to continuously monitor the current water conditions and attempt to alleviate water issues when possible, Ford's cross-functional global water team meets regularly to apply their local knowledge and experience in combination with the various tools publicly available. All global Ford direct operations have these factors examined and Ford is in the process of including this for supply chain operations. For example, recycled water is important for the successful operation of sites in water-scarce regions such as Chennai and Sanand, India, and Chihuahua, Mexico where 100 percent of industrial wastewater is recycled, and therefore offsets freshwater consumption. Ford uses the following tools in this assessment: internal company knowledge.</td>
</tr>
<tr>
<td>Water quality at a basin/catchment level</td>
<td>Relevant, always included</td>
<td>Ford's global manufacturing water strategy was updated in 2016, setting a new goal of 30% reduction in water use per vehicle from 2015 to 2020, with an aspirational goal of zero potable water use for manufacturing processes, on the way to the ultimate goal of zero water withdrawal for manufacturing. As part of this strategy update, risks and opportunities were evaluated by a global cross-functional team. Global targets have been cascaded to the regional and plant level, and these metrics are reported regularly to senior management. In order to continuously monitor the current water conditions and attempt to alleviate water issues when possible, Ford's cross-functional global water team meets regularly to apply their local knowledge and experience in combination with the various tools publicly available. All global Ford direct operations have these factors examined and Ford is in the process of including this for supply chain operations. Having withdrawn water of appropriate quality is critical to many processes in automotive manufacturing, such as painting. Our facilities have permits which specify many discharge quality parameters, so this is also very important. Ford uses the following tools in this assessment: internal company knowledge.</td>
</tr>
<tr>
<td>Stakeholder conflicts concerning water resources at a basin/catchment level</td>
<td>Relevant, always included</td>
<td>Ford’s global manufacturing water strategy was updated in 2016, setting a new goal of 30% reduction in water use per vehicle from 2015 to 2020, with an aspirational goal of zero potable water use for manufacturing processes, on the way to the ultimate goal of zero water withdrawal for manufacturing. This aspirational goal recognizes that water is a shared resource, and Ford needs to ensure that sufficient water is available to all stakeholders in the community, especially in areas of water scarcity. Water scarce areas are the most likely to have stakeholder conflicts, so these areas are a focus in Ford’s water-related risk assessments. When we first built the Cuautitlán Stamping and Assembly Plant in 1964, it was one of few large industrial manufacturers in the area. Today, Ford is one of many international corporations doing business here. Our neighbors include several global beverage producers and chemical companies that typically require far greater amounts of water than auto manufacturers. In the 1990s, the regional Cuautitlán government recognized that demand for water was outstripping supply. Officials began placing limits on water withdrawals and requiring stricter permitting processes. We began paying much closer attention to our water use at the facility and the risks of potential stakeholder conflicts concerning water resources. Over the years, facility managers have come up with some creative solutions to their natural environmental challenges. One thing we did to conserve water was install dedicated piping for potable water to ensure that we did not use potable water for anything other than human consumption. All other water used at the plants gets recycled. The dedicated piping has improved the quality of water for drinking and for use in food preparation at our plant cafeteria. Ford uses the following tools in this assessment: internal company knowledge.</td>
</tr>
<tr>
<td><strong>Implications of water on your key commodities/raw materials</strong></td>
<td>Relevance &amp; inclusion</td>
<td>Please explain</td>
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<tr>
<td>Ford uses the following methods: Internal company knowledge: Ford’s global manufacturing water strategy was updated in 2016, setting a new goal of 30% reduction in water use per vehicle from 2015 to 2020, with an aspirational goal of zero potable water use for manufacturing processes, on the way to the ultimate goal of zero water withdrawal for manufacturing. As part of this strategy update, risks and opportunities were evaluated by a global cross-functional team. Ford is a large purchaser of water-intensive materials, parts, and components such as aluminum, steel, rubber, and plastics. In 2017, 200 Ford production and indirect suppliers reported their water management through CDP Supply Chain’s water questionnaire. These suppliers represent about 75 percent of Ford’s production spend and 10 percent of indirect spend and 60 percent of total buy. Ford suppliers invited to respond were selected based on a combination of the water intensity of the commodities supplied, their business relationship with Ford and the geographical footprint of their operations. Responding suppliers may state any issues related to implications of water they believe pose a risk on key commodities that could generate a substantive change in their business, operations, revenue or expenditures.</td>
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<table>
<thead>
<tr>
<th><strong>Water-related regulatory frameworks</strong></th>
<th>Relevance &amp; inclusion</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ford’s global manufacturing water strategy was updated in 2016, setting a new goal of 30% reduction in water use per vehicle from 2015 to 2020, with an aspirational goal of zero potable water use for manufacturing processes, on the way to the ultimate goal of zero water withdrawal for manufacturing. As part of this strategy update, risks and opportunities were evaluated by a global cross-functional team. Global targets have been cascaded to the regional and plant level, and these metrics are reported regularly to senior management. Ford’s cross-functional global water team meets regularly to apply their local knowledge and experience in combination with various public tools like Ecolab’s Water Risk Monetizer and local regulations. All global Ford direct operations have these factors examined. Ford’s Water Footprinting Study also examined these factors. Zero liquid discharge is required by regulation for Ford’s plants in Chennai, India. Additionally, responding suppliers to CDP Water may state any issues related to current regulatory frameworks they believe pose a risk that could generate a substantive change in their business, operations, revenue or expenditures. Ford uses the following tools in this assessment: internal company knowledge.</td>
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<table>
<thead>
<tr>
<th><strong>Status of ecosystems and habitats</strong></th>
<th>Relevance &amp; inclusion</th>
<th>Please explain</th>
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</thead>
<tbody>
<tr>
<td>Since 19% of Ford’s facilities are located in water stressed regions, the status of local ecosystems is considered as we make decisions on water withdrawals, discharges, and recycling/reuse. An example of this is the installation of ecological concrete at Ford’s Cuautitlán Stamping and Assembly Plant in Mexico. In 2013, the Cuautitlan, Mexico plant won Ford’s Latin America Environmental Leadership Award for this initiative. The facility replaced the asphalt and parking lots within the plant with ecological concrete, which allows rain to reenter the ground. This recharges the aquifer beneath the plant and helps prevent water scarcity in the city, and in surrounding ecosystems and habitats. The plant renovated an area of more than 9,700 square meters with ecological concrete, allowing the absorption of as much as 7.5 million liters of water per year. Not only was the project beneficial for the community, it was also beneficial for Ford’s own bottom line. Ford facilities in Dearborn and Louisville are now using ecological concrete as well. Ford’s strategy is to continue replicating the use of ecological concrete in other locations where feasible. Ford uses the following tools in this assessment: internal company knowledge.</td>
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<thead>
<tr>
<th><strong>Access to fully functioning, safely managed WASH services for all employees</strong></th>
<th>Relevance &amp; inclusion</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ford has acknowledged the human right to water and in 2014, became a signatory to the UN CEO Water Mandate. Our internal company standard, The Code of Human Rights, Basic Working Conditions, and Corporate Responsibility requires Ford to provide a safe and healthy work environment for all employees. Facility building specifications include WASH requirements, so anytime new facilities are constructed WASH requirements are considered. When we built the Sanand Assembly and Engine Plants in India, there was no municipal water supply available. Ford constructed a water bottling plant that treated and bottled water from the Narmada Canal so that employees would have safe water to drink. This project received one of Ford’s 2015 President’s Health and Safety Awards for “Excellence in Health”. Ford uses the following tools in this assessment: internal company knowledge.</td>
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</table>

| Other contextual issues, please specify | Not considered | N/A |

W3.3c

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

<table>
<thead>
<tr>
<th><strong>Customers</strong></th>
<th>Relevance &amp; inclusion</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ford Motor Company has taken significant steps to reduce water usage and become a steward of the environment. Based on Ford’s customer engagement method by direct surveying, there is increasing customer pressure to manufacture sustainably. Fleet customers in particular are interested in Ford’s water usage and policies, and many require Ford to respond to questionnaires, such as CDP Supply Chain. Fleet customers often ask about Ford’s environmental performance, including water use, in their requests for quotes. The Ford F-150 truck is popular with our fleet customers. The change to aluminum in our F-150 decreased the weight of the truck by 700 pounds and improved the fuel economy significantly. Ford recycles as much as 20 million pounds of aluminum stamping scrap per month using the closed-loop system at Dearborn Stamping Plant, which provides parts to build F-150 at Ford’s Dearborn Truck and Kansas City Assembly Plants. Recycled aluminum avoids 95 percent of the greenhouse gas emissions associated with primary aluminum production. It uses significantly less energy and water also.</td>
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<tr>
<td>Relevance &amp; inclusion</td>
<td>Please explain</td>
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<tr>
<td><strong>Employees</strong></td>
<td>Relevant, always included</td>
<td>Employee needs are taken into account during risk assessments. Ford has acknowledged the human right to water and in 2014, became a signatory to the UN CEO Water Mandate. Our Code of Human Rights, Basic Working Conditions, and Corporate Responsibility requires Ford to provide a safe and healthy work environment for all employees. Ford periodically conducts human rights assessments at our facilities and water is one of the topics addressed in these assessments. Facility building specifications include WASH requirements. We provide water saving information to our employees. In May 2013, Ford held a &quot;Water Futuring Workshop&quot; with Ford employees, university researchers, and NGOs. We explored different future scenarios and how these would impact water use in preparation for refining our current water strategy. Water savings strategies were communicated to employees on World Water Day. When we built the Sanand Assembly and Engine Plants in India, there was no municipal water supply available for the 5000 people who would be on site at the start of operations, increasing to an ultimate population of 13,000. Ford constructed a water bottling plant that treated and bottled water from the Narmada Canal so that employees would have safe water to drink. This project received one of Ford's 2015 President's Health and Safety Awards for &quot;Excellence in Health&quot;.</td>
</tr>
<tr>
<td><strong>Investors</strong></td>
<td>Relevant, always included</td>
<td>Ford reports to investors through the CEO Global Water Mandate, Ford's Sustainability Report, and CDP Water. Ford's risk assessments help eliminate risks that can interfere with operations as well as help Ford to be a better steward of water. In 2017, Ford became the first automaker to commit to the &quot;Improve Water Security&quot; initiative of the Business Alliance for Water and Climate, in order to publicly demonstrate our recognition of water risks and our commitment to mitigate them. Ford remains engaged with investors through ICCR and Ceres stakeholder events, to communicate our commitment to climate change and water improvements and to better understand the concerns of our stakeholders. Ford's manufacturing facility in Cuautitlán, Mexico, is already subject to water-withdrawal limitations. The Cuautitlán plant produced over 68,000 vehicles in 2017, or 2% of North American production. If Cuautitlán production was stopped due to the unavailability of water, 2% of 2017 North American income before taxes could be lost. This would amount to over $173 million over the course of a year. This could impact Ford's investors.</td>
</tr>
<tr>
<td><strong>Local communities</strong></td>
<td>Relevant, always included</td>
<td>Ford has acknowledged the human right to water and in 2014, became a signatory to the UN CEO Water Mandate. Our Code of Human Rights, Basic Working Conditions, and Corporate Responsibility requires Ford to provide a safe and healthy work environment for all employees, as well as to work constructively with local communities, including implementation of sustainable water strategies. Ford periodically conducts human rights assessments at our facilities and water is one of the topics addressed in these assessments. For all global Ford facilities, Ford factors in local communities' concerns. Our plant environmental engineers live in the local communities surrounding the plants and often volunteer their service on local emergency planning committees and other organizations which allows them to have a good understanding of water risks within the local communities. All manufacturing plants have Community Relations Committees which provide a point of contact for community concerns. Also, when a plant is built or modified, often local communities are offered the opportunity to comment on the proposed changes by the local regulatory agency. As an example, the Sonora River in Mexico was polluted from mining operations, causing a shortage of potable water for the surrounding community and exacerbating the existing water scarcity. Employees at Ford's Hermosillo Stamping and Assembly Plant collected and provided over 10,000 liters of potable water to the surrounding community.</td>
</tr>
<tr>
<td><strong>NGOs</strong></td>
<td>Relevant, always included</td>
<td>Ford uses standards and information from GRI, WRI, WBCSD, and the UN CEO Water mandate to assist in Ford's water strategy development. Ford has worked directly with CERES on Aqua Gauge and with the Interfaith Center for Corporate Responsibility on water issues. In May 2013, Ford held a &quot;Water Futuring Workshop&quot; with Ford employees, university researchers, and NGOs. We explored different future scenarios and how these would impact water use in preparation for refining our current water strategy. Ford engages with NGOs. It is critical that Ford engage with the NGOs developing the standards for water reporting. There is a risk that water definitions proposed by NGOs may disincentivize water reuse and recycling by facilities, if definitions are not crafted with a knowledge of industrial operations. As an example, GRI has established a category of &quot;third party water withdrawal&quot; which includes &quot;wastewater from another organization&quot;. Not being able to separately report wastewater reuse would disincentivize the efforts to move away from using drinking water sources for manufacturing operations, Ford's aspirational goal is to use no drinking water in its manufacturing operations.</td>
</tr>
<tr>
<td><strong>Other water users at a basin/catchment level</strong></td>
<td>Relevant, always included</td>
<td>Our Code of Human Rights, Basic Working Conditions, and Corporate Responsibility requires Ford to provide a safe and healthy work environment for all employees, as well as to work constructively with local communities and indigenous populations, including implementation of sustainable water strategies. Ford periodically conducts human rights assessments at our facilities and water is one of the topics addressed in these assessments. Many of Ford facilities are located in the same water basin/catchment as other industrial water users, and we work to ensure sufficient water is available for all. Ford is a member of the Erftverband, a German nonprofit organization which reconciles different water-related interests of the regional stakeholders in the catchment, which contains numerous tributaries and bodies of water along with the 104 km long river. The organization purifies the sewage produced by approximately 750,000 residents as well as that generated by local trade and industry, which is equivalent to a waste load produced by another 450,000 people. Moreover, the Erftverband looks after a fragile natural region and protects the residential areas from flooding. The reach of the organization goes far beyond the Erft watershed. The entire area of activity comprises over 4,220 km², covering the region affected by the brown coal mines of the Rhineland. The Erftverband monitors the complex relationships involving water supply and distribution, oversees groundwater resources, ensures the water supply and protects the numerous wetlands. Ford's Cologne and Merkenich facilities are within the purview of the Erftverband. By cooperating with other users who are members of Erftverband, Ford works to mitigate risks to water availability. Ford's Cologne and Merkenich facilities are within the purview of the Erftverband.</td>
</tr>
<tr>
<td><strong>Regulators</strong></td>
<td>Relevant, always included</td>
<td>Ford is committed to compliance with all regulations. We monitor regulations and work with regulators around the globe to ensure minimal impact of Ford's manufacturing operations on the local environment. Ford meets with U.S State Department and other regulators globally to stay updated and well-informed in global regulatory matters in order to continuously reevaluate changing water regulations. With pressures on water supplies expected to continue, government authorities have been requiring manufacturers to achieve zero liquid discharge in their operations, as a way to encourage them to reuse water and reduce their overall water use. Several Ford facilities are located in water stressed areas, so we pay particular attention to assessing regulatory risk in those locations. For example, our Chennai plants in India are required by regulation to have Zero Liquid Discharge, which significantly impacts our Chennai operations.</td>
</tr>
<tr>
<td>Relevance &amp; inclusion</td>
<td>Please explain</td>
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<tr>
<td>River basin management authorities</td>
<td>Relevant, always included Ford considers current river basin management plans for those facilities located in areas that have river basin management plans, and works directly with river basin management authorities to honor these plans. Ford is a member of the Effverband, a German non-profit organization which reconciles the different water-related interests of the regional stakeholders in the catchment, which contains numerous tributaries and bodies of water along with the 104 km long river. The organization purifies the sewage produced by approximately 750,000 residents as well as that generated by local trade and industry, which is equivalent to a waste load produced by another 450,000 people. Moreover, the Effverband looks after a fragile natural region and protects the residential areas from flooding. The reach of the organization goes far beyond the Eff watershed. The entire area of activity comprises over 4,220 km², covering the region affected by the brown coal mines of the Rhineland. The Effverband monitors the complex relationships involving water supply and distribution, oversees groundwater resources, ensures the water supply and protects the numerous wetlands. Ford's Cologne and Merkenich facilities are within the purview of the Effverband.</td>
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<tr>
<td>Statutory special interest groups at a local level</td>
<td>Relevant, always included In recent years, Ford has been meeting with a variety of groups – such as the Interfaith Center on Corporate Responsibility, the UN Global Compact, the U.S. State Department, Ceres and the Global Water Challenge – to gain a better appreciation of outside stakeholder perspectives. Ford is a member of the Effverband. Effverband can be considered to be both a river basin management authority as well as a statutory special interest group at a local level. Effverband is a German non-profit organization which reconciles the different water-related interests of the regional stakeholders in the catchment, which contains numerous tributaries and bodies of water along with the 104 km long river. The organization purifies the sewage produced by approximately 750,000 residents as well as that generated by local trade and industry, which is equivalent to a waste load produced by another 450,000 people. Moreover, the Effverband looks after a fragile natural region and protects the residential areas from flooding. The reach of the organization goes far beyond the Eff watershed. The entire area of activity comprises over 4,220 km², covering the region affected by the brown coal mines of the Rhineland. The Effverband monitors the complex relationships involving water supply and distribution, oversees groundwater resources, ensures the water supply and protects the numerous wetlands. Ford's Cologne and Merkenich facilities are within the purview of the Effverband.</td>
<td></td>
</tr>
<tr>
<td>Suppliers</td>
<td>Relevant, always included In 2017, about 200 Ford production and indirect suppliers were asked to report their water management through the CDP Supply Chain’s water security questionnaire and we achieved a 75% response rate. The responding suppliers are about 70% of production spend and about 10% of indirect spend, and that of about 55% of total spend. When selecting suppliers for participation, we considered the risk that lack of available water may have on their operations. For example, we have supplier sites located in South Africa where a recent drought has reduced local water supplies. Therefore, we selected suppliers in that country, as well as others, on the basis of a combination of their water use intensity, their business relationship with Ford and the geographical footprint of their operations, including those in water stressed areas. Another method of engagement with selected suppliers is through the Ford Partnership for a Cleaner Environment (PACE) program. This supply chain sustainability initiative helps minimize the environmental footprint of Ford and its automotive supply chain. Our goal is to teach our suppliers about the energy, water, waste and air emissions reduction opportunities that Ford has implemented across our own plants, encourage them to set reduction targets and report progress annually to Ford. We encourage our suppliers to implement some of these initiatives in their own manufacturing facilities and to share these best practices with their own suppliers, to amplify the responsibility and sustainability impact further down the supply chain. In addition, third-party environmental audits are conducted through the Responsible Business Alliance’s validated audit protocol. We also ask selected supplier sites to complete a sustainability self-assessment.</td>
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<tr>
<td>Water utilities at a local level</td>
<td>Relevant, always included Ford personnel engage with water utilities during construction and upgrade of facilities to ensure the water supply is sufficient at all Ford global operations. Sites for further analysis are selected based on location in a water stress/scarcity area. At our Chennai site in India and our Chihuahua Engine Plant in Mexico, we use only potable water for domestic use while using treated non-potable water sources in production. At both facilities, we have developed partnerships with local authorities to invest in infrastructure to facilitate the recycling and reuse of treated municipal wastewater. Over 10 years ago in Chihuahua, we began treating externally sourced treated wastewater to achieve 100 percent recycled water for operational uses with potable water for domestic use only. After treating and extracting the recycled water, any final discharge from our recovery system goes to an evaporation lagoon, eliminating any discharge from the site. In 2018, the site was expanded with a new three-pipe water distribution system. This new system uses not only high-quality treated wastewater in production and potable water for domestic use, but also quality treated gray wastewater for use in toilets, which reduces the plant's freshwater demand even further. At Chennai, we utilize wastewater from our own site and treated wastewater from the local supplier park to feed our recycling system. The treated wastewater goes through a three-stage reverse osmosis system, followed by evaporation and crystallization. This maximizes the amount of recycled water we can extract and eliminates any liquid discharge from the facility.</td>
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<tr>
<td>Other stakeholder, please specify</td>
<td>Not considered There are no other relevant stakeholders.</td>
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</table>

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.

Ford has reviewed all operations via publicly available tools (Global Water Tool, Aqueduct) to determine which facilities are located in water-scarce regions. Ford also takes into account internal knowledge through monthly meetings of our Global Water Team, which is composed of personnel from around the globe who have responsibility for facility water programs. Using these inputs, Ford developed a water strategy that is able to prioritize addressing water use, supplier water use and community water issues in these water-stressed regions as directed by Ford’s water strategy. Ford prioritizes water reduction actions at its facilities located in water stressed areas. For example, at our Chennai site in India and our Chihuahua Engine Plant in Mexico, we use only potable water for domestic use while using treated non-potable water sources in production. At both facilities, we have developed partnerships with local authorities to invest in infrastructure to facilitate the recycling and reuse of treated municipal wastewater.

For supply chain, Ford annually asks selected production and indirect suppliers to respond to the CDP Water Security Supply Chain questionnaire based on the level of water risk determined by a combination of the following factors: 1) the water-intensity of the commodities supplied, and 2) the location of their manufacturing sites. In reviewing site location, the WRI Aqueduct tool and Maplecroft Risk Atlas database are reviewed for current and predicted future water stress (more than 10 years in the future (e.g., 2030 projections)). At selected supplier sites, third-party environmental audits are conducted through the Responsible Business Alliance (RBA). Ford also asks selected supplier sites to complete a sustainability self-assessment questionnaire to better evaluate the water-related risks within our supply chain.

W4. Risks and opportunities

W4.1

(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?
Yes, both in direct operations and the rest of our value chain

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

Our analysis of Ford operations shows that some of our facilities are located in regions where water supplies are already scarce. Global climate change also has the potential to further impact the quality and availability of water. We cannot be certain that we will always have access to water of the quantity and quality that our operations require. Our water strategy puts primary emphasis on our plants located in areas of water scarcity.

Ford is committed to conserving water and using it responsibly. We will address water challenges internally within our own operations and externally in communities where we operate and throughout our supply chain. We have committed to measureable actions to support our global water strategy.

In deciding which facilities and which basins concern Ford, aggregate scores from the Global Water Tool (subwatershed level) were used alongside internal knowledge of specific facilities and local watersheds. If a facility had a high risk or projected risk by the tools, it was listed. The operating facilities listed as "substantive" had to have a high stress or risk and have a production or support production of greater than 1% of global relevant production (vehicle, engines, or transmissions). This definition of risk applies to Ford’s direct operations. For example, losing production at a Ford assembly plant, which would amount to greater than 1% of total vehicle production, would be a substantive financial and strategic impact on our business.

For supply chain, we utilized the following methodology to determine water risks that could generate a potential impact to our supply chain. Suppliers are selected to participate in the CDP Supply Chain water questionnaire based on a combination of factors including those that supply water-intensive commodities, those with operations in water-stressed areas (as determined using the Aqueduct Water Risk Atlas and Maplecroft tool) and their business relationship with Ford. We repeat our assessment of selected suppliers in light of developments in these three areas on an annual basis. For this outreach, the threshold for "substantive" is if a supplier supplying greater than 0.1% of production spend has sites located in water stressed areas. In some cases, suppliers who fall below this general threshold may be selected for participation due to other potential risk factors. The ongoing data obtained through the CDP surveys has helped us identify “hotspots” for GHG emissions and water use. These suppliers have been targeted to participate in the Partnership for a Cleaner Environment (PACE) program whereby Ford will share leading practices for water use reductions with these suppliers, work with them to set reduction targets and reduce our collective environmental footprint.

W4.1b

(W4.1b) What is the total number of facilities exposed to water risks with the potential to have a substantive financial or strategic impact on your business, and what proportion of your company-wide facilities does this represent?

<table>
<thead>
<tr>
<th>Total number of facilities exposed to water risk</th>
<th>% company-wide facilities this represents</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1</td>
<td>13</td>
<td>1-25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ford's Irapuato Transmission Plant began operation in late 2017. Even though this facility is located in a water stressed area, the limited production in 2017 accounted for less than 1% of global transmission production, so it is not included in the total number of facilities exposed to water risk.</td>
</tr>
</tbody>
</table>

W4.1c

(W4.1c) By river basin, what is the number and proportion of facilities exposed to water risks that could have a substantive impact on your business, and what is the potential business impact associated with those facilities?

Country/Region
India

River basin
Other, please specify (Palar and other sub-basin)
% company-wide facilities this represents
1-25

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

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

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

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

<table>
<thead>
<tr>
<th>Comment</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Country/Region</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>India</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>River basin</th>
<th>Other, please specify (Sabarmati River)</th>
</tr>
</thead>
</table>

Number of facilities exposed to water risk
2

% company-wide facilities this represents
1-25

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

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

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

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

<table>
<thead>
<tr>
<th>Comment</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Country/Region</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>River basin</th>
<th>Bravo</th>
</tr>
</thead>
</table>

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

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

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

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

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

<table>
<thead>
<tr>
<th>Comment</th>
</tr>
</thead>
</table>
Country/Region
Mexico
River basin
Panuco
Number of facilities exposed to water risk
1
% company-wide facilities this represents
1-25
Production value for the metals & mining activities associated with these facilities
<Not Applicable>
% company's annual electricity generation that could be affected by these facilities
<Not Applicable>
% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>
% company's total global revenue that could be affected
Less than 1%
Comment

Country/Region
Mexico
River basin
Other, please specify (Yaqui)
Number of facilities exposed to water risk
1
% company-wide facilities this represents
1-25
Production value for the metals & mining activities associated with these facilities
<Not Applicable>
% company's annual electricity generation that could be affected by these facilities
<Not Applicable>
% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>
% company's total global revenue that could be affected
Less than 1%
Comment

Country/Region
Turkey
River basin
Sakarya
Number of facilities exposed to water risk
1
% company-wide facilities this represents
1-25
Production value for the metals & mining activities associated with these facilities
<Not Applicable>
% company's annual electricity generation that could be affected by these facilities
<Not Applicable>
% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>
% company's total global revenue that could be affected
Less than 1%
Comment
% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

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

Comment

Country/Region
Turkey

River basin
Other, please specify (Kocaeli (Mamara))

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

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

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

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

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

Comment

Country/Region
South Africa

River basin
Other, please specify (South African Coast (Swartrups River))

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

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

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

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

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

Comment

Country/Region
South Africa

River basin
Limpopo

Number of facilities exposed to water risk
1
Production value for the metals & mining activities associated with these facilities
<Not Applicable>

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

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

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

Comment

Country/Region
Spain

River basin
Other, please specify (Jucar)

Number of facilities exposed to water risk
2

% company-wide facilities this represents
1-25

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

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

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

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

Comment

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

**Country/Region**
Mexico

**River basin**
Panuco

**Type of risk**
Physical

**Primary risk driver**
Increased water stress

**Primary potential impact**
Reduction or disruption in production capacity

**Company-specific description**
Ford’s manufacturing facility in Cuautitlán, Mexico, is already subject to water-withdrawal limitations. The Cuautitlán plant produced over 68,000 vehicles in 2017, or 2% of North American production. If Cuautitlán production was stopped due to the unavailability of water, 2% of 2017 North American income before taxes could be lost. This could potentially amount to over $173 million over the course of a year.

**Timeframe**
4 - 6 years

**Magnitude of potential impact**
High

**Likelihood**
Likely

**Potential financial impact**
173000000

**Explanation of financial impact**
The Cuautitlán plant produced over 68,000 vehicles in 2017, or 2% of North American production. If Cuautitlán production was stopped due to the unavailability of water, 2% of 2017 North American income before taxes could be lost. This could potentially amount to over $173 million over the course of a year.

**Primary response to risk**
Adopt water efficiency, water re-use, recycling and conservation practices

**Description of response**
Ford has undertaken several projects at its Cuautitlán Stamping and Assembly Plant (CSAP) in Mexico over the past five years, in response to increasing water stress in the area. A reverse osmosis (RO) and ultrafiltration (UF) system has been installed. CSAP has completed a project to use RO water in the cooling towers within the plant. Gray water is purchased from other water users in the area, for use in the facility. The plant has also installed a separate piping system for drinking water, so that it is only used for human consumption and not for manufacturing processes within the plant. CSAP has also replaced the asphalt and parking lots within the plant with ecological concrete, which allows rain to reenter the ground. This recharges the aquifer beneath the plant and helps prevent water scarcity in the city. The plant renovated an area of more than 9,700 square meters with ecological concrete, allowing the absorption of as much as 7.5 million liters of water per year.

**Cost of response**
1600000

**Explanation of cost of response**
The reverse osmosis and ultrafiltration system accounted for the vast majority of the cost (1.2 million dollars) as this technology is quite expensive. This is a one-time cost.
(W4.2a) Provide details of risks identified within your value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.

**Country/Region**
China

**River basin**
Other, please specify (Multiple river basins including Yangtze)

**Stage of value chain**
Supply chain

**Type of risk**
Regulatory

**Primary risk driver**
Regulation of discharge quality/volumes

**Primary potential impact**
Supply chain disruption

**Company-specific description**
Recently, China has implemented a strict enforcement of environmental regulations and permits due to national environmental pollution concerns. As a result, a number of companies have had production stoppages. The impact affects Ford’s value chain due to the water-intensive nature of some automotive commodities produced by our supply chain. In 2017, there were two instances of Ford sub-tier supplier sites that were affected by the crackdown which had the potential to affect our value chain due to their supplying of automotive parts. The impact was identified through discussions with the Ford Tier 1 supplier who owns the contract with the sub-tier supplier. Immediate reaction by Ford and the Tier 1 supplier protected production at Ford plants.

**Timeframe**
Current - up to 1 year

**Magnitude of potential financial impact**
Medium-low

**Likelihood**
About as likely as not

**Potential financial impact**
0

**Explanation of financial impact**
The potential financial impact is reported for 2017 based on the fact that the supply disruption did not materialize, as production was shifted to other supplier sites.

**Primary response to risk**
Map supplier water risk

**Description of response**
As a result of the environmental crackdown, Ford is continuing to develop a risk management strategy which includes information from internal databases, including supplier site location, and externally available data regarding water scarcity, pollution control, among others. Our primary response to this risk is that we use the information from external databases, such as Aqueduct and Maplecroft to map the supplier water risk and identify ‘hotspots’. Ford is a member of the Responsible Business Alliance (RBA) and environmental audits are conducted at selected supplier sites to review environmental compliance and mitigate risk involving water quality and stormwater control. Selected supplier sites are also requested to complete a sustainability self-assessment questionnaire.

**Cost of response**
0

**Explanation of cost of response**
The cost of the response is estimated on the basis of developing a risk management strategy which is included in current staff responsibilities and we expect this to be an ongoing activity.
(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?
Yes, we have identified opportunities, and some/all are being realized

W4.3a

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

Type of opportunity
Efficiency

Primary water-related opportunity
Improved water efficiency in operations

Company-specific description & strategy to realize opportunity
Ford worked with Ecolab (Nalco Water) to enhance efficiency and cut water consumption at its Chicago assembly plant. The partnership focused on cooling towers and pre-treatment baths. Cooling towers consume large quantities of water and have operational challenges such as scaling, corrosion, fouling and biological growth — all of which impact water usage, performance and costs. Pre-treatment baths are where metal is treated before it is painted — a process that also consumes a lot of water. To improve efficiency, Ford wanted to continuously monitor water overflow when the baths were refilled. Nalco Water installed 3D TRASAR™ Water Saver Technology, a digital “connected chemistries” solution, to optimize cooling tower performance and reduce water use. The system is continuously monitored by the Ecolab System Assurance Center, which provides real-time resolution of problems — preventing significant water loss. Real-time visibility to water flow data plus instant alerts regarding flow-related issues helps ensure water savings and process efficiency in automotive pretreatment baths. Previously, problem identification and resolution could take days or even months. Nalco Water is working with Ford to implement technology that will potentially lead to a significant reduction in water use by recycling phosphate rinse water. The plant is developing processes to enable reuse of a portion of the pre-treatment process water.

Estimated timeframe for realization
1 to 3 years

Magnitude of potential financial impact
High

Potential financial impact
186000

Explanation of financial impact
Financial savings from reduced water use is equivalent to more than $186,000 per year. This savings was calculated using the cost of water in the area. There is potential to save an additional $481,000 through recycling phosphate rinse water.

W5. Facility-level water accounting

W5.1

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

Facility reference number
Facility 1

Facility name (optional)
Chennai Assembly

Country/Region
India
Other, please specify (Palar and other sub basin)

Latitude
12.78124

Longitude
80.01538

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

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
219

Comparison of withdrawals with previous reporting year
About the same

Total water discharges at this facility (megaliters/year)
0

Comparison of discharges with previous reporting year
About the same

Total water consumption at this facility (megaliters/year)
219

Comparison of consumption with previous reporting year
About the same

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15% were considered “higher”/”lower”. Year-to-year changes over 15% were considered “much higher”/”much lower”.

Facility reference number
Facility 2

Facility name (optional)
Chennai Engine

Country/Region
India

River basin
Other, please specify (Palar and other sub basin)

Latitude
12.7792

Longitude
80.01261

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

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
16

Comparison of withdrawals with previous reporting year
About the same

Total water discharges at this facility (megaliters/year)
0

Comparison of discharges with previous reporting year
**Total water consumption at this facility (megaliters/year)**
16

**Comparison of consumption with previous reporting year**
About the same

**Please explain**
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15% were considered “higher”/“lower”. Year-to-year changes over 15% were considered “much higher”/“much lower”.

---

**Facility reference number**
Facility 3

**Facility name (optional)**
Chihuahua Engine

**Country/Region**
Mexico

**River basin**
Bravo

**Latitude**
28.7116

**Longitude**
-106.126

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

**Oil & gas sector business division**
<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**
179

**Comparison of withdrawals with previous reporting year**
Lower

**Total water discharges at this facility (megaliters/year)**
56

**Comparison of discharges with previous reporting year**
Much higher

**Total water consumption at this facility (megaliters/year)**
123

**Comparison of consumption with previous reporting year**
Much lower

**Please explain**
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15% were considered “higher”/“lower”. Year-to-year changes over 15% were considered “much higher”/“much lower”.

---

**Facility reference number**
Facility 4

**Facility name (optional)**
Cuautitlan Stamping and Assembly

**Country/Region**
Mexico

**River basin**
Panuco

**Latitude**

---
Longitude
-99.1899

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

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
121

Comparison of withdrawals with previous reporting year
About the same

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

Comparison of discharges with previous reporting year
Much higher

Total water consumption at this facility (megaliters/year)
77

Comparison of consumption with previous reporting year
Much lower

Please explain
Year-to-year changes of less than 5% were considered "about the same." Year-to-year changes between 5% and 15% were considered "higher"/"lower". Year-to-year changes over 15% were considered "much higher"/"much lower".

Facility reference number
Facility 5

Facility name (optional)
Hermosillo Stamping and Assembly

Country/Region
Mexico

River basin
Yaqui

Latitude
29.0133

Longitude
-110.917

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

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
464

Comparison of withdrawals with previous reporting year
Much lower

Total water discharges at this facility (megaliters/year)
285

Comparison of discharges with previous reporting year
Much higher

Total water consumption at this facility (megaliters/year)
179
Much lower

**Please explain**
Year-to-year changes of less than 5% were considered "about the same." Year-to-year changes between 5% and 15% were considered "higher"/"lower". Year-to-year changes over 15% were considered "much higher"/"much lower".

---

**Facility reference number**
Facility 6

**Facility name (optional)**
Inonu Engine

**Country/Region**
Turkey

**River basin**
Sakarya

**Latitude**
39.84228

**Longitude**
30.11987

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

**Oil & gas sector business division**
<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**
82

**Comparison of withdrawals with previous reporting year**
About the same

**Total water discharges at this facility (megaliters/year)**
64

**Comparison of discharges with previous reporting year**
Lower

**Total water consumption at this facility (megaliters/year)**
18

**Comparison of consumption with previous reporting year**
Much higher

**Please explain**
Year-to-year changes of less than 5% were considered "about the same." Year-to-year changes between 5% and 15% were considered "higher"/"lower". Year-to-year changes over 15% were considered "much higher"/"much lower".

---

**Facility reference number**
Facility 7

**Facility name (optional)**
Kocaeli Site

**Country/Region**
Turkey

**River basin**
Other, please specify (Kocaeli (Mamara))

**Latitude**
40.7187

**Longitude**
29.85041
Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
888

Comparison of withdrawals with previous reporting year
About the same

Total water discharges at this facility (megaliters/year)
219

Comparison of discharges with previous reporting year
Much higher

Total water consumption at this facility (megaliters/year)
669

Comparison of consumption with previous reporting year
Lower

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15% were considered “higher”/"lower". Year-to-year changes over 15% were considered “much higher”/"much lower”.

Facility reference number
Facility 8

Facility name (optional)
Port Elizabeth Engine

Country/Region
South Africa

River basin
Other, please specify (South African Coast (Swartkops River))

Latitude
-33.8953

Longitude
25.5789

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

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
18

Comparison of withdrawals with previous reporting year
About the same

Total water discharges at this facility (megaliters/year)
1.5

Comparison of discharges with previous reporting year
Much lower

Total water consumption at this facility (megaliters/year)
16.5

Comparison of consumption with previous reporting year
Much higher
Year-to-year changes of less than 5% were considered "about the same." Year-to-year changes between 5% and 15% were considered "higher"/"lower". Year-to-year changes over 15% were considered "much higher"/"much lower".

**Facility reference number**
Facility 9

**Facility name (optional)**
Pretoria Assembly

**Country/Region**
South Africa

**River basin**
Limpopo

**Latitude**
-25.7369

**Longitude**
28.32711

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

**Oil & gas sector business division**
<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**
459

**Comparison of withdrawals with previous reporting year**
About the same

**Total water discharges at this facility (megaliters/year)**
247

**Comparison of discharges with previous reporting year**
About the same

**Total water consumption at this facility (megaliters/year)**
212

**Comparison of consumption with previous reporting year**
About the same

**Please explain**
Year-to-year changes of less than 5% were considered "about the same." Year-to-year changes between 5% and 15% were considered "higher"/"lower". Year-to-year changes over 15% were considered "much higher"/"much lower".

---

**Facility reference number**
Facility 10

**Facility name (optional)**
Sanand Assembly

**Country/Region**
India

**River basin**
Other, please specify (Sabarmati River)

**Latitude**
23.0013

**Longitude**
72.26167

**Primary power generation source for your electricity generation at this facility**
<Not Applicable>
Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
457

Comparison of withdrawals with previous reporting year
Lower

Total water discharges at this facility (megaliters/year)
143

Comparison of discharges with previous reporting year
Much higher

Total water consumption at this facility (megaliters/year)
314

Comparison of consumption with previous reporting year
Much lower

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered “higher”/”lower”. Year-to-year changes over 15% were considered “much higher”/”much lower”.

Facility reference number
Facility 11

Facility name (optional)
Sanand Engine

Country/Region
India

River basin
Other, please specify (Sabarmati River)

Latitude
23.0013

Longitude
72.1267

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

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
17

Comparison of withdrawals with previous reporting year
Much lower

Total water discharges at this facility (megaliters/year)
0.3

Comparison of discharges with previous reporting year
Much higher

Total water consumption at this facility (megaliters/year)
16.7

Comparison of consumption with previous reporting year
Much lower

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered “higher”/”lower”. Year-to-year changes over 15% were considered “much higher”/”much lower”.

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

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
1366

Comparison of withdrawals with previous reporting year
About the same

Total water discharges at this facility (megaliters/year)
683

Comparison of discharges with previous reporting year
Much higher

Total water consumption at this facility (megaliters/year)
683

Comparison of consumption with previous reporting year
Much lower

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15% were considered “higher”/”lower”. Year-to-year changes over 15% were considered “much higher”/”much lower”.

Facility reference number
Facility 13

Facility name (optional)
Valencia Engine

Country/Region
Spain

River basin
Other, please specify (Jucar)
Comparison of withdrawals with previous reporting year
Lower

Total water discharges at this facility (megaliters/year)
12

Comparison of discharges with previous reporting year
Much higher

Total water consumption at this facility (megaliters/year)
59

Comparison of consumption with previous reporting year
Much lower

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered "higher"/"lower". Year-to-year changes over 15% were considered “much higher”/"much lower”.

W5.1a

(W5.1a) For each facility referenced in W5.1, provide withdrawal data by water source.

<table>
<thead>
<tr>
<th>Facility reference number</th>
<th>Facility name</th>
<th>Fresh surface water, including rainwater, water from wetlands, rivers and lakes</th>
<th>Brackish surface water/seawater</th>
<th>Groundwater - renewable</th>
<th>Groundwater - non-renewable</th>
<th>Produced water</th>
<th>Third party sources</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility 1</td>
<td>Chennai Assembly</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>25</td>
<td>0</td>
<td>194</td>
<td></td>
</tr>
<tr>
<td>Facility 2</td>
<td>Chennai Engine</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Produced water
0

Third party sources
14

Comment

Facility reference number
Facility 3

Facility name
Chihuahua Engine

Fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Brackish surface water/seawater
0

Groundwater - renewable
0

Groundwater - non-renewable
0

Produced water
0

Third party sources
179

Comment

Facility reference number
Facility 4

Facility name
Cuautitlan Stamping and Assembly

Fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Brackish surface water/seawater
0

Groundwater - renewable
0

Groundwater - non-renewable
105

Produced water
0

Third party sources
16

Comment

Facility reference number
Facility 5

Facility name
Hermosillo Stamping and Assembly

Fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Brackish surface water/seawater
0

Groundwater - renewable
0

Groundwater - non-renewable
105

Produced water
0

Third party sources
16

Comment
Brackish surface water/seawater
0

Groundwater - renewable
0

Groundwater - non-renewable
58

Produced water
0

Third party sources
406

Comment

Facility reference number
Facility 6

Facility name
Inonu Engine

Fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Brackish surface water/seawater
0

Groundwater - renewable
0

Groundwater - non-renewable
82

Produced water
0

Third party sources
0

Comment

Facility reference number
Facility 7

Facility name
Kocaeli Site

Fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Brackish surface water/seawater
0

Groundwater - renewable
0

Groundwater - non-renewable
888

Produced water
0

Third party sources
0

Comment
### Facility 8

**Facility name**
Port Elizabeth Engine

<table>
<thead>
<tr>
<th>Source Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh surface water, including rainwater, water from wetlands, rivers and lakes</td>
<td>0</td>
</tr>
<tr>
<td>Brackish surface water/seawater</td>
<td>0</td>
</tr>
<tr>
<td>Groundwater - renewable</td>
<td>0</td>
</tr>
<tr>
<td>Groundwater - non-renewable</td>
<td>0</td>
</tr>
<tr>
<td>Produced water</td>
<td>0</td>
</tr>
<tr>
<td>Third party sources</td>
<td>18</td>
</tr>
</tbody>
</table>

**Comment**

---

### Facility 9

**Facility name**
Pretoria Assembly

<table>
<thead>
<tr>
<th>Source Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh surface water, including rainwater, water from wetlands, rivers and lakes</td>
<td>0</td>
</tr>
<tr>
<td>Brackish surface water/seawater</td>
<td>0</td>
</tr>
<tr>
<td>Groundwater - renewable</td>
<td>0</td>
</tr>
<tr>
<td>Groundwater - non-renewable</td>
<td>0</td>
</tr>
<tr>
<td>Produced water</td>
<td>0</td>
</tr>
<tr>
<td>Third party sources</td>
<td>459</td>
</tr>
</tbody>
</table>

**Comment**

---

### Facility 10

**Facility name**
Sanand Assembly

<table>
<thead>
<tr>
<th>Source Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh surface water, including rainwater, water from wetlands, rivers and lakes</td>
<td>0</td>
</tr>
<tr>
<td>Brackish surface water/seawater</td>
<td>0</td>
</tr>
<tr>
<td>Groundwater - renewable</td>
<td>0</td>
</tr>
<tr>
<td>Groundwater - non-renewable</td>
<td>0</td>
</tr>
<tr>
<td>Produced water</td>
<td>0</td>
</tr>
</tbody>
</table>
Third party sources
457

Comment

Facility reference number
Facility 11

Facility name
Sanand Engine

Fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Brackish surface water/seawater
0

Groundwater - renewable
0

Groundwater - non-renewable
0

Produced water
0

Third party sources
17

Comment

Facility reference number
Facility 12

Facility name
Valencia Assembly

Fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Brackish surface water/seawater
0

Groundwater - renewable
0

Groundwater - non-renewable
0

Produced water
0

Third party sources
1366

Comment

Facility reference number
Facility 13

Facility name
Valencia Engine

Fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Brackish surface water/seawater
0
W5.1b

(W5.1b) For each facility referenced in W5.1, provide discharge data by destination.

Facility reference number
Facility 1

Facility name
Chennai Assembly

Fresh surface water
0

Brackish surface water/Seawater
0

Groundwater
0

Third party destinations
0

Comment
The Ford Chennai Assembly Plant is a zero liquid discharge (ZLD) facility. A ZLD plant does not discharge any process or sanitary water. Treatment methods vary somewhat but they must all deal with sewage and salts and hence they all have both a biological treatment and a reverse osmosis treatment component. Reuse goes to process equipment.

Facility reference number
Facility 2

Facility name
Chennai Engine

Fresh surface water
0

Brackish surface water/Seawater
0

Groundwater
0

Third party destinations
0

Comment
The Ford Chennai Engine Plant is a zero liquid discharge facility. A ZLD plant does not discharge any process or sanitary water. Treatment methods vary somewhat but they must all deal with sewage and salts and hence they all have both a biological treatment and a reverse osmosis treatment component. Reuse goes to process equipment.
Facility name
Chihuahua Engine

Fresh surface water
0

Brackish surface water/Seawater
0

Groundwater
56

Third party destinations
0

Comment
All water discharge from the Ford Chihuahua Engine Plant goes to irrigation, and therefore groundwater.

Facility reference number
Facility 4

Facility name
Cuautitlan Stamping and Assembly

Fresh surface water
15

Brackish surface water/Seawater
0

Groundwater
29

Third party destinations
0

Comment

Facility reference number
Facility 5

Facility name
Hermosillo Stamping and Assembly

Fresh surface water
0

Brackish surface water/Seawater
0

Groundwater
10

Third party destinations
275

Comment

Facility reference number
Facility 6

Facility name
Inonu Engine

Fresh surface water
0

Brackish surface water/Seawater
0
<table>
<thead>
<tr>
<th>Facility</th>
<th>Facility reference number</th>
<th>Facility name</th>
<th>Fresh surface water</th>
<th>Brackish surface water/Seawater</th>
<th>Groundwater</th>
<th>Third party destinations</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Facility 7</td>
<td>Kocaeli Site</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Facility 8</td>
<td>Port Elizabeth Engine</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Facility 9</td>
<td>Pretoria Assembly</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1.5</td>
<td></td>
</tr>
</tbody>
</table>

Comment
<table>
<thead>
<tr>
<th>Facility reference number</th>
<th>Sanand Assembly</th>
<th>Sanand Engine</th>
<th>Valencia Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility name</td>
<td>Fresh surface water</td>
<td>Fresh surface water</td>
<td>Fresh surface water</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Brackish surface water/Seawater</td>
<td>Brackish surface water/Seawater</td>
<td>Brackish surface water/Seawater</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Groundwater</td>
<td>Groundwater</td>
<td>Groundwater</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Third party destinations</td>
<td>143</td>
<td>0.3</td>
<td>683</td>
</tr>
</tbody>
</table>

Comment
W5.1c

(W5.1c) For each facility referenced in W5.1, provide the proportion of your total water use that is recycled or reused, and give the comparison with the previous reporting year.

Facility reference number
Facility 1

Facility name
Chennai Assembly

% recycled or reused
51-75%

Comparison with previous reporting year
About the same

Please explain
Year-to-year changes of less than 5% were considered "about the same." Year-to-year changes between 5% and 15% were considered "higher"/"lower". Year-to-year changes over 15% were considered "much higher"/"much lower".

---

Facility reference number
Facility 2

Facility name
Chennai Engine

% recycled or reused
51-75%

Comparison with previous reporting year
About the same

Please explain
Year-to-year changes of less than 5% were considered "about the same." Year-to-year changes between 5% and 15% were considered "higher"/"lower". Year-to-year changes over 15% were considered "much higher"/"much lower". The Ford Chennai Engine facility reuse volumes are included in the Ford Chennai Assembly facility.

---

Facility reference number
Facility 3

Facility name
Chihuahua Engine

% recycled or reused
11-25%

Comparison with previous reporting year
Much higher

Please explain
Year-to-year changes of less than 5% were considered "about the same." Year-to-year changes between 5% and 15% were considered "higher"/"lower". Year-to-year changes over 15% were considered "much higher"/"much lower". The Ford Chihuahua Engine Plant expanded capacity and had more opportunity to utilize the recycled water.
Facility name
Cuautitlan Stamping and Assembly

% recycled or reused
26-50%

Comparison with previous reporting year
Lower

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered “higher”/”lower”. Year-to-year changes over 15% were considered “much higher”/”much lower”. The Ford Cuautitlan Stamping and Assembly Plant began utilizing wastewater from another organization (greywater) in 2017. Utilizing greywater as an alternative water source causes an increase usage overall due to the need to treat the water prior to use.

Facility reference number
Facility 5

Facility name
Hermosillo Stamping and Assembly

% recycled or reused
11-25%

Comparison with previous reporting year
Much higher

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered “higher”/”lower”. Year-to-year changes over 15% were considered “much higher”/”much lower”.

Facility reference number
Facility 6

Facility name
Inonu Engine

% recycled or reused
None

Comparison with previous reporting year
About the same

Please explain
While the Ford Inonu Engine Plant has several operations onsite that use water more than one time (e.g. Cooling Towers), the facility does not reuse wastewater from the onsite wastewater treatment plant at this time.

Facility reference number
Facility 7

Facility name
Kocaeli Site

% recycled or reused
None

Comparison with previous reporting year
About the same

Please explain
While the Ford Kocaeli Plants have several operations onsite that use water more than one time (e.g. Cooling Towers), the site does not reuse wastewater from the onsite wastewater treatment plant at this time.

Facility reference number
Facility 8
Port Elizabeth Engine

% recycled or reused
None

Comparison with previous reporting year
About the same

Please explain
While the Ford Port Elizabeth Engine Plant has several operations onsite that use water more than one time (e.g. Cooling Towers), the facility does not reuse wastewater from the onsite wastewater treatment plant at this time.

Facility reference number
Facility 9

Facility name
Pretoria Assembly

% recycled or reused
2-10%

Comparison with previous reporting year
About the same

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered “higher”/“lower”. Year-to-year changes over 15% were considered “much higher”/“much lower”.

---

Facility reference number
Facility 10

Facility name
Sanand Assembly

% recycled or reused
26-50%

Comparison with previous reporting year
Much higher

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered “higher”/“lower”. Year-to-year changes over 15% were considered “much higher”/“much lower”. The Ford Sanand Assembly Plant significantly increased production and thus had more opportunity to utilize the recycled water.

---

Facility reference number
Facility 11

Facility name
Sanand Engine

% recycled or reused
26-50%

Comparison with previous reporting year
Much higher

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered “higher”/“lower”. Year-to-year changes over 15% were considered “much higher”/“much lower”. The Ford Sanand Assembly Plant significantly increased production and thus had more opportunity to utilize the recycled water.

---

Facility reference number
Facility 12

Facility name
Valencia Assembly

% recycled or reused
26-50%

Comparison with previous reporting year
Much higher

Please explain
Year-to-year changes of less than 5% were considered “about the same.” Year-to-year changes between 5% and 15 % were considered “higher”/“lower”. Year-to-year changes over 15% were considered “much higher”/“much lower”. The Ford Sanand Assembly Plant significantly increased production and thus had more opportunity to utilize the recycled water.
% recycled or reused
None

Comparison with previous reporting year
About the same

Please explain
While the Ford Valencia Assembly Plant has several operations onsite that use water more than one time (e.g. Cooling Towers), the facility does not reuse wastewater from the onsite wastewater treatment plant at this time.

<table>
<thead>
<tr>
<th>Facility reference number</th>
<th>Facility 13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility name</td>
<td>Valencia Engine</td>
</tr>
<tr>
<td>% recycled or reused</td>
<td>None</td>
</tr>
<tr>
<td>Comparison with previous reporting year</td>
<td>About the same</td>
</tr>
<tr>
<td>Please explain</td>
<td>While the Ford Valencia Engine Plant has several operations onsite that use water more than one time (e.g. Cooling Towers), the facility does not reuse wastewater from the onsite wastewater treatment plant at this time.</td>
</tr>
</tbody>
</table>

W5.1d

(W5.1d) For the facilities referenced in W5.1, what proportion of water accounting data has been externally verified?

Water withdrawals – total volumes

<table>
<thead>
<tr>
<th>% verified</th>
<th>Not verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>What standard and methodology was used?</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Water withdrawals – volume by source

<table>
<thead>
<tr>
<th>% verified</th>
<th>Not verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>What standard and methodology was used?</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Water withdrawals – quality

<table>
<thead>
<tr>
<th>% verified</th>
<th>Not verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>What standard and methodology was used?</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Water discharges – total volumes

<table>
<thead>
<tr>
<th>% verified</th>
<th>Not verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>What standard and methodology was used?</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Water discharges – volume by destination

% verified
Not verified

What standard and methodology was used?
N/A

Water discharges – volume by treatment method

% verified
Not verified

What standard and methodology was used?
N/A

Water discharge quality – quality by standard effluent parameters

% verified
Not verified

What standard and methodology was used?
N/A

Water discharge quality – temperature

% verified
Not verified

What standard and methodology was used?
N/A

Water consumption – total volume

% verified
Not verified

What standard and methodology was used?
N/A

Water recycled/reused

% verified
Not verified

What standard and methodology was used?
N/A

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.

<table>
<thead>
<tr>
<th>Scope</th>
<th>Content</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company-wide</td>
<td><strong>Description of business dependency on water</strong></td>
<td>Ford has a corporate water policy and strategy, which includes its direct operations, supply chain, customers, and employees, to name just some of the affected stakeholders. Ford has water targets and goals for its own operations, and treats regulatory compliance as a minimum requirement. Best practices from Ford’s operations are shared with suppliers. Ford is a signatory to the UN CEO Water Mandate and has incorporated the elements of the Mandate into its water policy, with particular attention to transparency. Ford has publicly acknowledged the human right to water, and through the Bill Ford Better World Challenge and the Ford Volunteer Corps, is providing WASH services in projects around the world. Ford is also a signatory to the “Improve Water Security” initiative of the Business Alliance for Water and Climate. Our customers and employees are engaged through social media and internal communications channels, through which Ford shares water-saving ideas.</td>
</tr>
<tr>
<td></td>
<td><strong>Description of business impact on water</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Description of water-related performance standards for direct operations</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Description of water-related standards for procurement</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Reference to international standards and widely-recognized water initiatives</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Company water targets and goals</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Commitment to align with public policy initiatives, such as the SDGs</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Commitments beyond regulatory compliance</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Commitment to water-related innovation</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Commitment to stakeholder awareness and education</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Commitment to water stewardship and/or collective action</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Acknowledgement of the human right to water and sanitation</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Recognition of environmental linkages, for example, due to climate change</strong></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Position of individual</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other, please specify</td>
<td>Comprised of 9 Directors, the Sustainability and Innovation Committee evaluates and advises on the pursuit of innovative practices and technologies that improve environmental and social sustainability making water within this committee’s purview. The principal functions of the Committee include advising on the development of strategies, policies, and practices that assist the Company in addressing public sentiment and shaping policy in the areas of energy, climate change, emissions, waste disposal, and water use; maintaining and improving sustainability strategies to create value consistent with the long-term preservation and enhancement of shareholder value and social well-being, including human rights, working conditions, and responsible sourcing; and reviewing trends in global mobility areas such as mobility infrastructure, vehicle ownership and business models, vehicle connectivity, and automation in order to help provide accessible, personal mobility throughout the world.</td>
</tr>
<tr>
<td>(Committee of the Board)</td>
<td></td>
</tr>
</tbody>
</table>

W6.2b

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

<table>
<thead>
<tr>
<th>Frequency that water-related issues are a scheduled agenda item</th>
<th>Governance mechanisms into which water-related issues are integrated</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheduled - some meetings</td>
<td>Providing employee incentives Reviewing and guiding business plans Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding strategy Reviewing and guiding corporate responsibility strategy Reviewing innovation/R&amp;D priorities Other, please specify (Review of Sustainability Report)</td>
<td>The Sustainability and Innovation Committee meets at least three times each year to evaluate and advise on the Company’s pursuit of innovative practices and technologies Their responsibilities include: (1) Discuss and advise management regarding the development of strategies, policies, and practices that assist the Company in addressing public sentiment and shaping policy in the areas of energy consumption, climate change, greenhouse gas and other criteria pollutant emissions, waste disposal, and water use. (2) Discuss and advise management on maintaining and improving sustainability strategies, the implementation of which create value consistent with the long-term preservation and enhancement of shareholder value and social well-being, including human rights, working conditions, and responsible sourcing. (3) Review trends in global mobility areas such as mobility infrastructure, vehicle ownership and business models, vehicle connectivity, and automation in order to help provide accessible, personal mobility throughout the world. The Committee is responsible to annually review the Sustainability Report Summary and Company initiatives related to innovation. The Committee reports regularly to the Board (i) following meetings of the Committee, (ii) with respect to such other matters as are relevant to the Committee’s discharge of its responsibilities and (iii) with respect to such recommendations as the Committee may deem appropriate. The CSO briefs the Committee.</td>
</tr>
</tbody>
</table>

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
Quarterly

Please explain
The highest ranking Company Officer directly responsible for water related issues is the Chief Sustainability Officer who is also the Group Vice President, Sustainability, Environment and Safety Engineering (SE and SE GVP). The SE and SE GVP reports to the Executive Vice President and President, Global Operations, who reports to the President and CEO. As the CSO, the SE and SE GVP chairs the Board Sustainability and Innovation Committee and coordinates topics for review by the Committee and is responsible for delivering the Sustainability Strategies including the corporate water strategy. The CSO has responsibility for the corporate water strategy, which includes supply chain, operations, etc. She reports on progress on the water strategy targets and goals at regular monthly Business Plan Review (BPR) meetings. All Company senior management is present at the BPR meetings.

W6.5

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?
Yes, direct engagement with policy makers
Yes, other

W6.5a

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

Ford's Environmental Quality Office is responsible for Ford's water policy and water commitments. Any engagements with regulatory agencies on rulemakings related to water use within our operations would be done by personnel within the Environmental Quality Office and thus consistency with the water policy and water commitments is assured.

Ford also engages with external industry organizations such as the Automotive Industry Action Group (www.aiag.org) and Suppliers Partnership for the Environment (www.supplierspartnership.org), in an effort to share water best practices with other automotive manufacturers and suppliers. Environmental Quality Office personnel also support Ford's work with the Automotive Industry Action Group and Suppliers Partnership for the Environment, so consistency with water policy and water commitments is assured.

Ford also engages with GRI, the UN CEO Water Mandate, and other NGOs with a focus on water. It is critical that Ford engage with the NGOs developing the standards for water reporting. There is a risk that water definitions proposed by NGOs may be inconsistent with Ford’s water policy and disincentivize water reuse and recycling by facilities, if definitions are not crafted with a knowledge of industrial operations. Ford works with these organizations to make its positions known.

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?

<table>
<thead>
<tr>
<th>Long-term business objectives</th>
<th>Are water-related issues integrated?</th>
<th>Long-term time horizon (years)</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, water-related issues are integrated</td>
<td>&gt; 30</td>
<td>Ford has established an aspirational goal of using potable water only for human consumption, on the way to a final aspirational goal of zero water withdrawal for manufacturing processes. These are long term goals (beyond 30 years). These goals are in keeping with Ford's commitment to the UN CEO Water Mandate and our acknowledgement of the human right to water.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Strategy for achieving long-term objectives</th>
<th>Are water-related issues integrated?</th>
<th>Long-term time horizon (years)</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, water-related issues are integrated</td>
<td>&gt; 30</td>
<td>Ford has established an aspirational goal of using potable water only for human consumption, on the way to a final aspirational goal of zero water withdrawal for manufacturing processes. These are long term goals (beyond 30 years). These goals are in keeping with Ford's commitment to the UN CEO Water Mandate and our acknowledgement of the human right to water. Our strategy to achieve our aspirational goals is focused on those facilities located in water-scarce and water-stressed areas, so as to have the most beneficial impact on Ford's own operations and on water availability in the communities surrounding our operations.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial planning</th>
<th>Are water-related issues integrated?</th>
<th>Long-term time horizon (years)</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, water-related issues are integrated</td>
<td>&gt; 30</td>
<td>Ford has established an aspirational goal of using potable water only for human consumption, on the way to a final aspirational goal of zero water withdrawal for manufacturing processes. These are long term goals (beyond 30 years). These goals are in keeping with Ford's commitment to the UN CEO Water Mandate and our acknowledgement of the human right to water. Our strategy to achieve our aspirational goals is focused on those facilities located in water-scarce and water-stressed areas, so as to have the most beneficial impact on Ford's own operations and on water availability in the communities surrounding our operations. We will focus our financial investments on these facilities.</td>
<td></td>
</tr>
</tbody>
</table>

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?

<table>
<thead>
<tr>
<th>Water-related CAPEX (+/- % change)</th>
<th>Anticipated forward trend for CAPEX (+/- % change)</th>
<th>Water-related OPEX (+/- % change)</th>
<th>Anticipated forward trend for OPEX (+/- % change)</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1</td>
<td></td>
<td></td>
<td></td>
<td>Ford does have capital and operating expenditures related to water, however capital and operating expenditures specific to water are not listed separately from other environmental capital and operating expenditures.</td>
</tr>
</tbody>
</table>

W7.3

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

<table>
<thead>
<tr>
<th>Use of climate-related scenario analysis</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1</td>
<td>Yes</td>
</tr>
</tbody>
</table>

W7.3a

(W7.3a) Has your organization identified any water-related outcomes from your climate-related scenario analysis?
No
(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
Ford has used the Water Risk Monetizer, developed by Ecolab in partnership with Trucost and Microsoft, to examine some of its operations. Ford has provided input to Ecolab and Trucost on Water Risk Monetizer developments. Ford continues to look for ways to incorporate the “true cost of water” into its water strategy and decision-making.

W8. Targets

W8.1

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

<table>
<thead>
<tr>
<th>Levels for targets and/or goals</th>
<th>Monitoring at corporate level</th>
<th>Approach to setting and monitoring targets and/or goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company-wide targets and goals</td>
<td>Targets are monitored at the corporate level</td>
<td>At Ford, we have focused on reducing our water impacts since 2009 when we first began setting year-over-year reduction targets as part of our Global Water Management Initiative. Ford launched its first global manufacturing water strategy in 2010, establishing a goal of a 30 percent reduction in water use per vehicle produced at Ford global manufacturing facilities, from 2009 to 2015. The strategy and target were established by a cross-functional global team including personnel from our plants and central staffs. The team surveyed the global landscape and examined regulations, water stress and many other aspects of the current and future landscape in developing the strategy and targets. Global targets are then cascaded to the regional and plant levels. Progress to targets is reviewed at regular meetings with senior management to ensure progress and accountability. We reached our 2015 target in 2013, two years early. We have established a new water target of 30% per vehicle reduction in water use from 2015 to 2020. Our aspirational goal is to use zero potable water in manufacturing processes, followed by an ultimate goal of zero water withdrawal for manufacturing processes.</td>
</tr>
<tr>
<td>Business level specific targets and/or goals</td>
<td>Goals are monitored at the corporate level</td>
<td></td>
</tr>
<tr>
<td>Site/facility specific targets and/or goals</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
Water withdrawals

Level
Company-wide

Primary motivation
Reduced environmental impact

Description of target
Ford has a target of 30% reduction in water use per vehicle produced by 2020, as compared to base year of 2015. Building on Ford's past successes in water reduction, this target is intended to spur further aggressive action. The new target was determined by a global cross-functional team, which examined the regulatory landscape, risks and opportunities, regional and local water scarcity, and many other influences. The global target has been cascaded to the regional and plant level, and these metrics are reported regularly to senior management.

Quantitative metric
% reduction in total water withdrawals

Baseline year
2015

Start year
2016

Target year
2020

% achieved
18

Please explain
In 2015, Ford withdrew 3.9 cubic meters of water per vehicle produced. In 2017, Ford withdrew 3.7 cubic meters of water per vehicle produced. We place particular emphasis on reducing our usage of freshwater (from rivers and lakes, rainwater, groundwater and municipal sources) because it is the main source of drinking water. We're doing this through a combination of reduced consumption, utilizing non-water-based technologies and tapping into alternative sources such as other companies' wastewater. By reducing our reliance on freshwater, we will achieve our goal of restricting potable water sources for human use. Our 2020 target, to reduce water use per vehicle produced by 30 percent from 2015 to 2020, represents a significant challenge but it's a vital step forward if we are to manufacture vehicles without withdrawing any drinkable water.

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

Goal
Other, please specify (Zero potable water use in manufacturing)

Level
Company-wide

Motivation
Water stewardship

Description of goal
Ford has set an aspirational goal of zero potable water use in manufacturing processes, on the way to zero water withdrawal for manufacturing processes. We have not set a specific end date for achieving this goal.

Baseline year
2015

Start year
2016

End year

Progress
Our initial focus is to have potable water sources for human use only at new sites in water scarce locations, with a view to expand to other locations. At Chennai in India and Chihuahua in Mexico, we use only potable water for domestic use while using treated non-potable water sources in production. At both facilities, we have developed partnerships with local authorities to invest in infrastructure to facilitate the recycling and reuse of treated municipal wastewater. Over 10 years ago in Chihuahua, we began treating externally sourced treated wastewater to achieve 100 percent recycled water for operational uses with potable water for domestic use only. After treating and extracting the recycled water, any final discharge from our recovery system goes to an evaporation lagoon, eliminating any discharge from the site. In 2018, the site was expanded with a new three-pipe water distribution system. This new system uses not only high-quality treated wastewater in production and potable water for domestic use, but also quality treated gray wastewater for use in toilets, which reduces the plant's freshwater demand even further. At Chennai, we utilize wastewater from our own site and treated wastewater from the local supplier park to feed our recycling system. The treated wastewater goes through a three-stage reverse osmosis system, followed by evaporation and crystallization. This maximizes the amount of recycled water we can extract and eliminates any liquid discharge.

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**
- Decreased energy use

**Description of linkage/tradeoff**
Water and energy are closely linked. Energy is required to pump and treat the water used in many processes within Ford. Ford uses water in many key manufacturing processes, including vehicle painting, cooling towers, and machining of powertrain components. By decreasing the amount of water required in a process, the energy required to pump and treat the water is decreased as well. From 2016 to 2017, Ford decreased its global facility energy use per vehicle produced and its global facility water use per vehicle produced by 2%.

**Policy or action**
Ford’s global manufacturing water strategy was updated in 2016, setting a new goal of 30% reduction in water use per vehicle from 2015 to 2020, with an aspirational goal of zero potable water use for manufacturing processes, on the way to the ultimate goal of zero water withdrawal for manufacturing. Global targets have been cascaded to the regional and plant level, and these metrics are reported regularly to senior management. Ford also has a global manufacturing energy strategy, with global, regional, and plant specific energy reduction targets. In order to achieve these targets, lists of water and energy reduction actions are reviewed by facilities and actions appropriate to implementation at each individual plant are chosen. By adopting practices like Minimum Quantity Lubrication, powertrain plants are able to meet both energy and water reduction targets. Minimum Quantity Lubrication is a “dry-machining” process, which lubricates cutting tools with a very small amount of oil, rather than the conventional “wet-machining” process that requires large amounts of metal-working fluids and water to cool and lubricate the tools. For a typical production line, dry machining – also known as Minimum Quantity Lubrication (MQL) – can save more than 280,000 gallons of water per year. Energy use decreases by about 30% as compared to traditional wet machining.

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W10. Verification

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W10.1

(W10.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1d)?
- No, we are waiting for more mature verification standards and/or processes

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W11. Sign off

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W-Fi

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

---

W11.1

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

<table>
<thead>
<tr>
<th>Job title</th>
<th>Corresponding job category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exec VP and Pres, Global Ops reports to CEO. COO doesn't exist, but role is similar overseeing global Mfg and Labor Affairs; Quality; Sustainability, Environmental and Safety Engineering.</td>
<td>Chief Operating Officer (COO)</td>
</tr>
</tbody>
</table>
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)].
Yes

SW. Supply chain module

SW0.1

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

<table>
<thead>
<tr>
<th>Annual revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>14570000000</td>
</tr>
</tbody>
</table>

SW0.2

(SW0.2) Do you have an ISIN for your organization that you are willing to share with CDP?
Yes

SW0.2a

(SW0.2a) Please share your ISIN in the table below.

<table>
<thead>
<tr>
<th>ISIN country code</th>
<th>ISIN numeric identifier (including single check digit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>3453708600</td>
</tr>
</tbody>
</table>

SW1.1

(SW1.1) Have you identified if any of your facilities reported in W5.1 could have an impact on a requesting CDP supply chain member?
No, CDP supply chain members do not buy goods or services from facilities listed in W5.1

SW1.2

(SW1.2) Are you able to provide geolocation data for your site facilities not already reported in W5.1?
No, not currently but we intend to provide it within the next two years

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?
No

SW3.1

(SW3.1) Provide any available water intensity values for your organization’s products or services across its operations.

Product name
All vehicles produced globally in 2017

Water intensity value
3.7

Numerator: Water aspect
Water withdrawn

Denominator: Unit of production
vehicle produced

Comment

Submit your response

In which language are you submitting your response?
English

Please confirm how your response should be handled by CDP

<table>
<thead>
<tr>
<th>I am submitting my response</th>
<th>Public or Non-Public Submission</th>
<th>I am submitting to</th>
<th>Are you ready to submit the additional Supply Chain Questions?</th>
</tr>
</thead>
<tbody>
<tr>
<td>I am submitting my response</td>
<td>Public</td>
<td>Investors</td>
<td>Yes, submit Supply Chain Questions now</td>
</tr>
</tbody>
</table>

Please confirm below
I have read and accept the applicable Terms