W0. Introduction

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

The Bridgestone Group, headquartered in Tokyo, is one of the largest tire and rubber companies. In addition to tires for use in a wide variety of applications, it also manufactures a broad range of diversified products, which include industrial rubber and chemical products and sporting goods. Its products are sold in over 150 nations and territories around the world.

The Global CEO Office is responsible for answering the 2021 CDP questionnaire. This division coordinates and manages the Group’s Environmental Mission Statement compliance, providing environmental support to business sections, Strategic Business Units (SBUs), at a global level.

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 2020</td>
<td>December 31 2020</td>
</tr>
</tbody>
</table>

W0.3

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

- Argentina
- Australia
- Belgium
- Brazil
- Canada
- China
- China, Hong Kong Special Administrative Region
- Costa Rica
- France
- Hungary
- India
- Indonesia
- Italy
- Japan
- Malaysia
- Mexico
- Philippines
- Poland
- Russian Federation
- South Africa
- Spain
- Taiwan, Greater China
- Thailand
- Turkey
- United Kingdom of Great Britain and Northern Ireland
- United States of America
- Viet Nam

W0.4

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

JPY

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
Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?  
Yes

(W0.6a) Please report the exclusions.

<table>
<thead>
<tr>
<th>Exclusion</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-production sites, the production sites where the number of employees does not consistently exceed 50, and the production sites under preparation to be certified according to ISO-14001.</td>
<td>Non-production sites (e.g. offices, stores/shops, warehouses) and the production sites where the number of employees does not consistently exceed 50, most of the water used is for hand washing, toilets, etc., which is very small compared to the amount of water used in large production sites. Therefore, the impact of the excluded sites is estimated to be very small compared to the total water used.</td>
</tr>
</tbody>
</table>

Current state

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

<table>
<thead>
<tr>
<th></th>
<th>Direct use importance rating</th>
<th>Indirect use importance rating</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sufficient amounts of good quality freshwater available for use</td>
<td>Important</td>
<td>Important</td>
<td>In our production process, we use water resources for cooling water and steam. Employees also need sufficient water of proper quality for drinking and washing. In addition, sufficient quantity and quality of water also is indispensable throughout the value chain for the production of various raw material and components, such as natural rubber, synthetic rubber, carbon black, cord, and steel belt, among others. Our suppliers use water resources for washing, cooling and steam. Therefore, continuous use of sufficient amounts of freshwater of adequate quality is important for continuing operation of our business (direct operations) and our value chain (indirect operations). At this time, we do not plan to make major changes in production methods for either our direct operations or indirect operations, so we do not believe that there will be any major changes in our future water dependency.</td>
</tr>
<tr>
<td>Sufficient amounts of recycled, brackish and/or produced water available for use</td>
<td>Important</td>
<td>Important</td>
<td>In our production process, we use recycled water as cooling water. For example, sewage-treated water is used as cooling or steam. Also in our value chain (raw material production sites), recycled water is being utilized as cooling water. Therefore, continuous use of sufficient amount of recycled water is important for continuing operation of our business (direct operations) and our value chain (indirect operations). At this time, we do not plan to make major changes in production methods for either our direct operations or indirect operations, so we do not believe that there will be any major changes in our future water dependency.</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>% of sites/facilities/operations</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water withdrawals – total volumes</td>
<td>100% We monitor water withdrawal volume by water source at all our facilities on a monthly basis. The monitoring method is based on bills for water purchased from the outside, and measurement meters for water taken in-house. For our company, “facilities” refers to our production sites certified according to ISO-14001 and consistently with 50 employees or more.</td>
</tr>
<tr>
<td>Water withdrawals – volumes by source</td>
<td>100% We monitor water withdrawal volume by water source at all our facilities on a monthly basis. The monitoring method is based on bills for water purchased from the outside, and measurement meters for water taken in-house by water source. For our company, “facilities” refers to our production sites certified according to ISO-14001 and consistently with 50 employees or more.</td>
</tr>
<tr>
<td>Water discharge quality – total volumes</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Water discharge quality – volumes by destination</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Water discharge quality – volume by treatment method</td>
<td>100% Water supplied by third parties, such as city water and industrial water, will be subjected to appropriate water quality analysis by them. For example, in Japan, pH, turbidity, bacteria, heavy metals, etc. are analyzed by the methods specified by the Water Supply Act and ministerial ordinances. Nonetheless, we also conduct our own analysis as necessary according to local regulations and our own standards. When we analyze it, we do it on a monthly basis or as often as required by local regulations. The analysis may be performed by a specialized external organization or it may be done in-house. For our company, “facilities” refers to our production sites certified according to ISO-14001 and consistently with 50 employees or more.</td>
</tr>
<tr>
<td>Water discharge quality – standard effluent parameters</td>
<td>&lt;Not Applicable&gt; &lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Water discharge quality – temperature</td>
<td>26-50 We measure and manage the water discharge temperature by continuous real-time monitoring or in-house/third-party sampling analysis at all of our facilities (mostly on a monthly basis), based on the standards of the countries and regions where the facilities are located. Our facilities have implemented water effluent standards of their own that meet or tighten applicable government standards, and endeavor not to exceed government-established limits. For our company, “facilities” refers to our production sites certified according to ISO-14001 and consistently with 50 employees or more.</td>
</tr>
<tr>
<td>Water consumption – total volume</td>
<td>100% The monitoring method for water consumption is calculated by subtracting the water discharge volume from the water withdrawals volume at all our facilities yearly and we are working to grasp the impact. For our company, “facilities” refers to our production sites certified according to ISO-14001 and consistently with 50 employees or more.</td>
</tr>
<tr>
<td>Water recycled/reused</td>
<td>100% Based on the monthly water recycled/reused data of our facilities that monitor the data based on bills or in-house measurement meters, we estimate the water recycled/reused volumes at all our facilities annually and are working to understand that impact. For our company, “facilities” refers to our production sites certified according to ISO-14001 and consistently with 50 employees or more.</td>
</tr>
<tr>
<td>Water consumption – volume by treatment method</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
</tbody>
</table>

Water recycled/reused volumes [only metals and mining sector] 100% Based on the monthly water recycled/reused data of our facilities that monitor the data based on bills or in-house measurement meters, we estimate the water recycled/reused volumes at all our facilities annually and consistently with 50 employees or more. For our company, “facilities” refers to our production sites certified according to ISO-14001 and consistently with 50 employees or more. |
(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></th>
<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>54800.1</td>
<td>About the same</td>
<td>Through efforts to reduce water withdrawal and decrease in operating time due to the influence of COVID-19, total water withdrawals were reduced by 7.1% from the previous year. However, there was no significant change (about the same) in water withdrawals compared to the previous year. For the next few years, we expect that the amount of water withdrawal will not increase due to the decrease in production caused by COVID-19 and the decrease in the number of facilities due to business restructuring. (Lower - About the same) From a long-term perspective, since it is expected that the water withdrawals will increase due to the increase in production volume, we promote reduction of water withdrawals continuously. In particular, we will focus on sites located in water stress areas. Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%</td>
</tr>
<tr>
<td>Total discharges</td>
<td>54004.5</td>
<td>About the same</td>
<td>Through efforts to reduce water withdrawals and decrease in operating time due to the influence of COVID-19, total water withdrawals were reduced by 7.1% from the previous year. Along with that, the total water discharges also reduced by 5.4%, but there was no significant change (about the same) in water discharges compared to the previous year. For the next few years, we expect that the amount of water discharges will not increase due to the decrease in production caused by COVID-19 and the decrease in the number of facilities due to business restructuring. (Lower - About the same) From a long-term perspective, since it is expected that the water discharges will increase due to the increase in production volume, we promote reduction of water withdrawals continuously. In particular, we will focus on sites located in water stress areas. Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%</td>
</tr>
<tr>
<td>Total consumption</td>
<td>10795.6</td>
<td>About the same</td>
<td>Total water consumption decreased by 13.6% from the previous year. However, there was no significant change (about the same) compared to the previous year. One of the reasons why the rate of decrease in water consumption was greater than the rate of decrease in water withdrawal due to COVID-19, is that even when production decreases, a certain amount of water may continue to flow without being consumed by evaporation or other means in order to maintain the equipment of facilities. For the next few years, we expect that the amount of water consumption will not increase due to the decrease in production caused by COVID-19 and the decrease in the number of facilities due to business restructuring. (Lower - About the same) From a long-term perspective, since it is expected that the water consumption will increase due to the increase in production volume, we promote reduction of water withdrawals continuously. In particular, we will focus on sites located in water stress areas. Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Withdrawals are from areas with water stress</th>
<th>% withdrawn from areas with water stress</th>
<th>Comparison with previous reporting year</th>
<th>Identification tool</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>1-10</td>
<td>About the same</td>
<td>WRI Aqueduct</td>
<td>The percentage of water withdrawal at facilities located in the water stress area decreased from 4.7% in 2019 to 4.5% in 2020. For our company, “facilities” refers to our production sites certified according to ISO-14001 and with 50 employees or more. In a large group such as a basin, the actual situation may not match the desk analysis, so we determine the facilities located in the water stress area by the following method. 1. Extract facilities located in high or extremely high water stress areas using WRI Aqueduct, a recognized analysis tool used worldwide. 2. Collect local information on each region (e.g. past drought information, information on future water resource security, etc.). 3. Whether the facility uses water for the production process. For the next few years, we expect that the amount of water consumption will not increase due to the decrease in production caused by COVID-19. (Lower - About the same) From a long-term perspective, since it is expected that the water withdrawals will increase due to the increase in production volume, we promote reduction of water withdrawals continuously in water stress areas in particular. Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<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>2997.4</td>
<td>About the same</td>
</tr>
</tbody>
</table>

Since we use water resources for cooling and steam in our production process, we select "Relevant". We cannot produce products such as tires without fresh surface water. This volume is composed of river water and rainwater, most of which is river water. They are sourced from direct measurement. Fresh surface water volume decreased by 8.4% compared with the previous year. The main reason for this decrease is the decrease in production due to the impact of COVID-19. For the next few years, we expect that the amount of water withdrawal will not increase due to the decrease in production caused by COVID-19 and the decrease in the number of facilities due to business restructuring. (Lower - About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%.

Brackish surface water/Seawater | Relevant | 3670.6 | About the same |

Since we use seawater for cooling water at one site located on seaside, we select "Relevant". We cannot produce raw materials without seawater. This volume is composed of seawater and sourced from direct measurement. Brackish surface water/seawater withdrawal volume was decreased by 4.2% compared with the previous year. The main reason for this decrease is the decrease in production due to the impact of COVID-19. For the next few years, we expect that the amount of water withdrawal will not increase due to the decrease in production caused by COVID-19. (About the same) From a long-term perspective, since it is expected that the water withdrawals will increase due to the increase in production volume, we promote reduction of water withdrawals continuously. Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%.

Groundwater – renewable | Relevant | 8480 | About the same |

Since we use groundwater (renewable) for cooling and steam at the sites where groundwater can be used, we select "Relevant". We cannot produce products such as tires without groundwater. This volume is sourced from direct measurement. Groundwater withdrawal volume was decreased by 12.7% compared with the previous year. The main reason for this decrease is the decrease in production due to the impact of COVID-19. For the next few years, we expect that the amount of water withdrawal will not increase due to the decrease in production caused by COVID-19 and the decrease in the number of facilities due to business restructuring. (Lower - About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%.

Groundwater – non-renewable | Not relevant | <Not Applicable> | <Not Applicable> |

Since we do not use non-renewable groundwater that cannot be naturally recharged on the human time-scale, and we use renewable groundwater at shallow depths, we select "Not relevant". Since we have no plan to use non-renewable groundwater, no major change is expected in the future.

Produced/Entrained water | Not relevant | <Not Applicable> | <Not Applicable> |

We select "Not relevant" since we don't have produced water that enters our boundaries as a result of the extraction, processing, or use of any raw material. Since we have no plan to get produced/entrained water, no major change is expected in the future.

Third party sources | Relevant | 17052.1 | About the same |

Since we use third party sources of water for cooling and steam in our production, we select "Relevant". We cannot produce products such as tires without it. This item contains the amount of city & industrial water, steam and wastewater recycled by others. This volume is sourced from direct measurement or invoice information. The volume was decreased by 9.9% compared with the previous year. The main reason for this decrease is the decrease in production due to the impact of COVID-19. For the next few years, we expect that the amount of water withdrawal will not increase due to the decrease in production caused by COVID-19 and the decrease in the number of facilities due to business restructuring. (Lower - About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%.

**W1.2i**

**W1.2i** Provide total water discharge data by destination.

<table>
<thead>
<tr>
<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>10121.8</td>
<td>About the same</td>
</tr>
</tbody>
</table>

If a site is adjacent to a river, it discharges the wastewater to a river after meeting the wastewater standards. Therefore, "Fresh surface water" is closely related to our business, we select "Relevant". Based on the monthly water discharge data of our facilities, we estimate the volume of water discharges at all our sites and are working to understand that impact. The volume was decreased by 12.8% compared with the previous year. The main reason for this decrease is the decrease in production due to the impact of COVID-19. For the next few years, we expect that the amount of water discharge to "Fresh surface water" will not increase due to the decrease in production caused by COVID-19 and the decrease in the number of facilities due to business restructuring. (Lower - About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%.

Brackish surface water/seawater | Relevant | 38334.8 | About the same |

At the facility that uses seawater for cooling, and used seawater is returned to the sea after meeting the wastewater standards. Therefore, "Brackish surface water/seawater" is closely related to our business, we select "Relevant". The volume of water discharge to seawater is sourced from direct measurement. The volume decreased by 4.7% compared with the previous year. The main reason for this decrease is the decrease in production due to the impact of COVID-19. We have defined 85%-115% of the previous year as "About the same", so we chose "About the same". (See threshold below for details) For the next few years, we expect that the amount of water discharge to "Brackish surface water/seawater" will not increase due to the decrease in production caused by COVID-19. (About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%.

Groundwater | Not relevant | <Not Applicable> | <Not Applicable> |

Since we do not send wastewater to groundwater directly, we chose "Not relevant". We will not change this direction in the future.

Third-party destinations | Relevant | 3547.9 | About the same |

When a site is located in the inland, it drains the wastewater to a third-party's treatment facility. Therefore, "Third-party destinations" is closely related to our business, we select "Relevant". Based on the monthly water discharge data of our facilities that monitor the data based on bills or in-house measurement meters, we estimate the volume at all our sites. It was increased by 1.3% compared with the previous year. This is mainly due to the production fluctuations at the facilities that discharge the water into third-party destinations, and not to any particular changes. For the next few years, we expect that the amount of water discharge to "Third-party destinations" will not increase due to the decrease in the number of facilities due to business restructuring. (Lower - About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%.
(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?

<table>
<thead>
<tr>
<th>Relevance of treatment level to discharge</th>
<th>Volume (megaliters/year)</th>
<th>Comparison of treated volume with previous reporting year</th>
<th>% of your sites/facilities/operations this volume applies to</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tertiary treatment</td>
<td>Not relevant</td>
<td>3305.5</td>
<td>About the same</td>
<td>In our product manufacturing process, we do not expect substances that cannot be treated in the secondary treatment to be mixed into the discharge, so we select “Not relevant”.</td>
</tr>
<tr>
<td>Secondary treatment</td>
<td>Relevant</td>
<td>14249.4</td>
<td>About the same</td>
<td>Organic wastewater is generated at facilities that clean and process natural rubber, and the wastewater is subjected to secondary treatment. In addition, secondary treatment is also carried out at facilities located in areas where some strict wastewater quality regulations are applied. We monitor water discharge quality based on applicable regulations (such as pH, BOD, COD, SS, harmful substances, etc.) by continuous real-time monitoring or in-house/third-party sampling analysis at all of our facilities (mostly on a monthly basis), based on the standards of the countries and regions where the facilities are located. Our facilities have implemented water effluent standards of their own that meet or tighten applicable government standards, and endeavor not to exceed government-established limits. We have defined 85%-115% of the previous year as “About the same”, so we chose “About the same”. (See threshold below for details) For the next few years, we expect that the amount of “Secondary treatment” will not increase due to the decrease in production caused by COVID-19. (About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%</td>
</tr>
<tr>
<td>Primary treatment only</td>
<td>Relevant</td>
<td>36449.6</td>
<td>About the same</td>
<td>In general, water at fine facilities and diversified products facilities is mainly used for cooling and steam, so the wastewater is not required secondary treatment. Therefore, the treatment is carried out in accordance with local wastewater regulations. We monitor water discharge quality based on applicable regulations (such as pH, BOD, COD, SS, harmful substances, etc.) by continuous real-time monitoring or in-house/third-party sampling analysis at all of our facilities (mostly on a monthly basis), based on the standards of the countries and regions where the facilities are located. Our facilities have implemented water effluent standards of their own that meet or tighten applicable government standards, and endeavor not to exceed government-established limits. We have defined 85%-115% of the previous year as “About the same”, so we chose “About the same”. (See threshold below for details) For the next few years, we expect that the amount of “Primary treatment only” will not increase due to the decrease in production caused by COVID-19. (About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%</td>
</tr>
<tr>
<td>Discharge to the natural environment without treatment</td>
<td>Relevant</td>
<td>Less than 1%</td>
<td>At the facility that uses seawater for cooling, and used seawater is returned to the sea after confirming it meets the wastewater standards. Therefore, we select “Relevant”. We have defined 85%-115% of the previous year as “About the same”, so we chose “About the same”. (See threshold below for details) For the next few years, we expect that the amount of “Discharge to the natural environment without treatment” will not increase due to the decrease in production caused by COVID-19. (About the same) Our company-specific explanation for these thresholds is below. Much lower: Less than 49%, Lower: 50% - 85%, About the same: 85% - 115%, Higher: 115% - 150%, Much higher: More than 150%</td>
<td></td>
</tr>
<tr>
<td>Discharge to a third party without treatment</td>
<td>Not relevant</td>
<td>&lt;Not Applicable&gt;</td>
<td>Even if the water is discharged to a wastewater treatment plant in an industrial park, it is treated to meet the water quality acceptance standards of that plant before being discharged. Therefore, we do not discharge water used in the production process to third parties without treatment, so we select “Not relevant”.</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Not relevant</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>We select “Not Relevant” because no special wastewater treatment other than the method shown in the example is used.</td>
</tr>
</tbody>
</table>

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

Yes, our suppliers

(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?

<table>
<thead>
<tr>
<th>Row 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>% of suppliers by number</td>
</tr>
<tr>
<td>51-75</td>
</tr>
<tr>
<td>% of total procurement spend</td>
</tr>
<tr>
<td>76-100</td>
</tr>
</tbody>
</table>

Rationale for this coverage

In Feb.2018, we issued the “Global Sustainable Procurement Policy” which is applicable to all purchased materials and services, as well as all suppliers globally. The journey towards a “Sustainable society”, Bridgestone’s goal for 2050 and beyond as our long-term environmental vision including water viewpoint, will not be simple, nor can we achieve it alone. Each of our businesses is supported by many suppliers. Regardless of the size of the supplier or where they operate in any region, we believe that the efforts of each supplier are important. In particular, since the impact of suppliers with high procurement volume is significant and important, we require suppliers with high procurement volume (corresponding to the “76-100%” option on a procurement amount basis) to report on matters related to water management. In terms of the number of suppliers, this corresponds to the “51%-75%” option. The following incentives for suppliers to respond to assessments using EcoVadis were introduced together with the policy. 1. Receive a score card with strengths/weaknesses that they can use for the next activity, 2. Receive an evaluation of gold, silver and bronze that can appeal to outside, 3. Use the EcoVadis assessment to respond to the same request from other customers.

Impact of the engagement and measures of success

Through a partnership started in 2018 with EcoVadis, we assessed suppliers’ current sustainability practices, as well as the possible support needed to improve performance. This activity could be an opportunity for suppliers to confirm and improve their actions for preventing water-related issues further. Details of the type of information requested from suppliers are “water policy”, “water management actions”, and “water consumption”. Based on that information, we have started to assess the sustainability practices of our suppliers and support them for improvement as needed. Details of how success is measured by the ratio of completion of audit by third-party. 60% of our Tier 1 suppliers completed the third-party assessment with EcoVadis as of Apr 2021.

Comment
W1.4b

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

Type of engagement
Innovation & collaboration

Details of engagement
Educate suppliers about water stewardship and collaboration

% of suppliers by number
1-25

% of total procurement spend
1-25

Rationale for the coverage of your engagement
Since our headquarters is located in Japan, we started to hold a "procurement policy briefing session" every year in Japan, focusing on global and non-global suppliers based in Japan. One of the topics of the briefing session is to tackle environmental issues including water, and we educate our suppliers on the importance of managing water usage and preventing illegal drainage. The ratios are calculated by the following formula. % of suppliers by number = Number of companies procured by Japan Tire SBU / Number of companies procured by all SBUs. % of total procurement spend = Procurement spend by Japan Tire SBU / Procurement spend by all SBUs. * SBU; Strategic Business Unit

Impact of the engagement and measures of success
With continuous education every year, our suppliers are becoming more aware of the importance of water. As a result, in our past "Green Partner Awards", which recognizes suppliers' environmental efforts, some suppliers applied for their water saving efforts. And, we have not received any reports of serious water problems from our suppliers. The results of supplier activities lead to reduce water withdrawals and water-related issues, which in turn leads to cost savings. And, it is considered that they bring about a virtuous cycle that leads not only to our company, but also to the improvement of evaluation by a third-party organization (e.g. EcoVadis, CDP Water Security). As a measure of success, we use a response rate on our annual original self-check sheet evaluations. We aim to have all requested suppliers respond.

Comment

W2. Business impacts

W2.1

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

W2.2

(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?
No

W3. Procedures

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?
Yes, water-related risks are assessed
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 an enterprise risk management framework
- Frequency of assessment: Annually
- How far into the future are risks considered?: More than 6 years
- Type of tools and methods used:
  - Tools on the market: WRI Aqueduct
  - Other: Internal company methods
- Tools and methods used:
  - WRI Aqueduct
  - Other

**Comment**

We performed macro analysis with the WRI Aqueduct. It is one of the most widely utilized tools in the world to assess water risks and is considered to provide highly reliable results. In addition to the timing of tool updates and the frequency of our site closures and our operations' relocating to new sites, we perform water risk assessments at least annually. We also assess regulatory and regional-level demands on a site-by-site basis as necessary.

Supply chain

- Coverage: Partial
- Risk assessment procedure: Water risks are assessed in an environmental risk assessment
- Frequency of assessment: Annually
- How far into the future are risks considered?: More than 6 years
- Type of tools and methods used:
  - Tools on the market: WRI Aqueduct
  - Other: External consultants
- Tools and methods used:
  - WRI Aqueduct
  - External consultants

**Comment**

Through a partnership started in 2018 with EcoVadis, a leading provider of sustainability, risk and performance ratings for global supply chains, we conducted assessments to suppliers with current sustainability practices including water, and offered support as needed to improve their performance. This activity could be an opportunity for suppliers to confirm and improve their actions for preventing water-related issues further. We also use the WRI Aqueduct to analyze suppliers' water risks from time to time as needed.

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

<table>
<thead>
<tr>
<th>Contextual 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>Water is an essential resource for our operations and used for cooling and creating steam in our manufacturing processes. Therefore, whenever we consider building a new facility, we investigate the water availability at the phase of site selection. Furthermore, since water availability is not constant and changes with supply-demand conditions and climate change, we analyze it using WRI Aqueduct once a year. As such, we consider “Water availability at a basin/catchment level” is important in our water-related risk assessment. We use the WRI Aqueduct and evaluate our production sites. In addition, we communicate with local government agencies where the facilities are located as necessary to collect information on water availability.</td>
</tr>
<tr>
<td>Water quality at a basin/catchment level</td>
<td>Relevant, always included</td>
<td>Water is an essential resource for our operations and used for cooling and creating steam in our manufacturing processes. Regarding water quality, it can affect the quality of the product, especially when cooling components. Therefore, whenever we consider building a new facility, we investigate the water quality at the phase of site selection. Furthermore, since water quality is not constant and may fluctuate, we analyze it using Aqueduct once a year. As such, we consider “Water quality at a basin/catchment level” is important in our water-related risk assessment. We use the WRI Aqueduct and evaluate our production sites. In addition, we communicate with local government agencies where the facilities are located as necessary to collect information on water quality. To prevent water pollution in the downstream area, we are reducing the risk by controlling the quality of discharges by administrative regulation values or our self-standards that are stricter than that.</td>
</tr>
<tr>
<td>Stakeholder conflicts concerning water resources at a basin/catchment level</td>
<td>Relevant, always included</td>
<td>We recognize that freshwater is an unevenly distributed and limited resource that must be shared locally and responsibly. When water shortages occur due to abnormal weather or increased demand, water conflicts may occur. Therefore, we recognize the necessity to maintain good relationships with local stakeholders (local governments, communities, NGOs, etc.). We consider “Stakeholder conflicts concerning water resources at a basin/catchment level” is important in our water-related risk assessment. To minimize the water-related risk of conflict with stakeholders concerning water resources at a basin/catchment level, we are gathering information from each operating site. We strive to maintain good relationships with local stakeholders through facility tour, forest conservation activities with municipalities, collaboration with rivers conservation groups and river clean-up, for example. We have used the results of WRI Aqueduct’s Regulatory &amp; Reputational Risk.</td>
</tr>
<tr>
<td>Implications of water on your key commodities/raw materials</td>
<td>Relevant, always included</td>
<td>We have some production facilities within our group that manufacture natural rubber, synthetic rubber, carbon black, and steel cords used as raw materials for tires in final products. Water is an essential resource in their operations and used for cooling and creating steam in their manufacturing processes. Therefore, whenever we consider building a new raw material facility, we investigate the water availability and quality at the phase of site selection, and analyze them using Aqueduct once a year. For suppliers other than our own group, we request the following items in our “GLOBAL SUSTAINABLE PROCUREMENT POLICY” as preferred practices. “Suppliers analyze their operations, and identify risks related to environmental, social, or business impacts, particularly in Water Stressed Areas”.</td>
</tr>
<tr>
<td>Water-related regulatory frameworks</td>
<td>Relevant, always included</td>
<td>Because the regulation of water could affect our production including costs, we evaluate potential impacts using WRI Aqueduct’s Regulatory &amp; Reputational Risk. Regulatory and reputational risks identify areas of concern regarding uncertainty in regulatory change, as well as conflicts with the public regarding water issues. In addition, each facility strives to understand trends in laws and regulations through communication on a regular basis with local government agencies.</td>
</tr>
<tr>
<td>Status of ecosystems and habitats</td>
<td>Relevant, always included</td>
<td>Regarding the estimation of the impact on ecosystems and habitats at local level, necessary measures are considered and carried out in accordance with the standards of each region. Especially, the production of natural rubber, our main raw material, consists of symbiosis with ecosystems and habitats, so they are closely linked to our business. Specifically, in some regions where biodiversity is expected to fall, we are providing the local community with rubber tree seedlings and instruction in their cultivation to increase income per unit area for the farmers and help control expansion of agricultural lands. In other locations around the world, we carry out biodiversity conservation activities in cooperation with neighboring communities and NGOs, and evaluate the results through monitoring activities such as field surveys and our own evaluation program/tool described later. For example, Bridgestone Americas, Inc. acquired “Wildlife Habitat Conservation and Environmental Education Certification” from the Wildlife Habitat Council (WHC) for its 10 Wildlife Habitat Sites. Obtaining such third-party certification is also used as one of the assessment tools. We evaluate the “The Bridgestone In Harmony with Nature – Promoting Biodiversity Program” since 2019. This program provides an original tool for scoring the activities of each site, using direct and indirect effects as indicators. (e.g., identification and conservation of iconic native species, % of on-site/off-site area managed as habitat compared to on-site area, number of hosted/co-hosted events focused on environmental conservation / education, etc.) The new information and expertise gained through these activities are being applied to future activities and to activities at sites within the Bridgestone Group.</td>
</tr>
<tr>
<td>Status of ecosystems and habitats</td>
<td>Relevant, always included</td>
<td>Water is an essential resource for our operations and used for cooling and creating steam in our manufacturing processes. Whenever we consider building a new facility, we investigate the water availability at the phase of site selection. Furthermore, since water availability is not constant and changes with supply-demand conditions and climate change, so we analyze it using Aqueduct once a year. As such, we consider “Water availability at a basin/catchment level” is important in our water-related risk assessment. We use the WRI Aqueduct and evaluate our production sites. In addition, we communicate with local government agencies where the facilities are located as necessary to collect information on water availability.</td>
</tr>
<tr>
<td>Access to fully-functioning, safely managed WASH services for all employees</td>
<td>Relevant, always included</td>
<td>A working place where all employees can use safe and secure water is an important basis for them to work with peace of mind. Therefore, we recognize that “Access to fully-functioning, safely managed WASH services” is closely related to our business. Using internal company methods, we conduct surveys and studies on the access to WASH services for employees at all production sites at the time new sites are placed into operation. We regularly conduct water quality inspection as necessary according to regional standards.</td>
</tr>
<tr>
<td>Other contextual issues, please specify</td>
<td>Not considered</td>
<td></td>
</tr>
</tbody>
</table>
### W3.3d) Which of the following stakeholders are considered in your organization’s water-related risk assessments?

<table>
<thead>
<tr>
<th>Stakeholder</th>
<th>Relevance</th>
<th>Inclusion</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customers</td>
<td>Relevant, always included</td>
<td>Our final products, tires and diversified products (anti-vibration rubber, sporting goods, bicycles, etc.) do not contain water and they do not need water when used by customers (auto manufacturers other companies and individuals). However, auto manufacturers are increasingly interested in water in initiatives throughout their supply chains, as can be seen from the increasing number of companies that use the CDP Water Security to collect information on water. This is why we include “Customers” in our water-related risk assessments. We engage with them through various feedback mechanisms, surveys, specification requirements, etc. to exchange views on various environmental impacts, including water, and to understand their demands. We then consider and implement solutions to meet their expectations. Finally, we regard the response to CDP Water Security as one of the important information disclosure methods to customers.</td>
<td></td>
</tr>
<tr>
<td>Employees</td>
<td>Relevant, always included</td>
<td>We recognize that the risk that low water quality can affect the livelihoods and health of our employees and that limits on tap water withdrawal due to water shortages affects employees’ health, safety, and productivity. This is why we include “Employees” in our water-related risk assessments, and we strive to measure that risk on a site-by-site basis. We engage our employees by providing them with information on water risks and encourage them to take care of water. For example, in Japan, we continually raise our employees’ awareness about environmental information, including water conservation, through our intranet.</td>
<td></td>
</tr>
<tr>
<td>Local communities</td>
<td>Relevant, always included</td>
<td>We recognize that the risk that low-quality discharges can affect the livelihoods, health and business activities in the downstream area. This is why we include “Local communities” in our water-related risk assessments. We engage with local communities through regular community meetings held at each site as needed to exchange ideas on a variety of environmental topics, including water. When water impacts occur, we strive to avoid impacts to local communities by gathering local data for each site and explore countermeasures.</td>
<td></td>
</tr>
<tr>
<td>NGOs</td>
<td>Relevant, always included</td>
<td>NGOs are valuable stakeholders who can advise us about our activities regarding water, based on their specialized knowledge. This is why we include “NGOs” in our water-related risk assessments. We engage with NGOs by collecting information from them constantly and sometimes consulting with them, and reflect their feedback in our environmental action programs. Each facility is encouraged to engage independently in collaboration with NGOs. For example, we had NGOs teach at our nature observation events, we provided NGOs access to ponds on site property for the purpose of breeding research of an endangered species.</td>
<td></td>
</tr>
<tr>
<td>Other water users at a basin/catchment level</td>
<td>Relevant, always included</td>
<td>Depending on the discharges from sites, there may be some risks of affecting in the downstream ecosystems and fisheries. This is why we include “Other water users at a basin/catchment level” in our water-related risk assessments. Where there are fishing areas in the drainage area of the site or downstream of the site, sometimes we engage with “other water users at a basin/catchment level” by setting up a communication meeting for exchanging information. In some areas, we have entered into agreements with local groups regarding the water quality (e.g. temperature of the discharges, amount of floating matter). Therefore, as part of our sustainability focus, we collect and evaluate information on fisheries and other water uses in our neighborhoods and downstream areas as needed.</td>
<td></td>
</tr>
<tr>
<td>Regulators</td>
<td>Relevant, always included</td>
<td>There are some risks that production may be required to cease in the event if we are unable to respond to the strengthening of water regulations (e.g. Tightening of wastewater quality). This is why we include “Regulators” in our water-related risk assessments. We engage with the regulators on a site-by-site and region-by-region basis to gather information and explore measures that will mitigate impact to operations.</td>
<td></td>
</tr>
<tr>
<td>River basin management authorities</td>
<td>Relevant, always included</td>
<td>There are some risks that production may be required to cease in the event if we are unable to respond to the strengthening of water regulations (e.g. Restrictions on water withdrawal volume). This is why we include “River basin management authorities” in our water-related risk assessments. We engage with the river basin management authorities on a site-by-site and region-by-region basis to gather information and explore measures that will mitigate impact to operations.</td>
<td></td>
</tr>
<tr>
<td>Statutory special interest groups at a local level</td>
<td>Relevant, sometimes included</td>
<td>There are some risks that production may be required to cease if we are unable to address water-related issues pointed out by statutory special interest groups at a local level. This is why we include “Statutory special interest groups at a local level” in our water-related risk assessments. As of today, there is no important issue to be tackled in cooperation with statutory special interest groups at local level. When local issues arise, the potentially impacted site engage by communicating with local groups to gather information, implement and evaluate measures in close liaison with corporate headquarters.</td>
<td></td>
</tr>
<tr>
<td>Suppliers</td>
<td>Relevant, always included</td>
<td>Our main products, tires, are made from various raw materials such as natural rubber, synthetic rubber, carbon black, and steel cords. The production of these raw materials is dependent on stable operation of suppliers all over the world, and if floods and droughts affect the production and logistics of our suppliers, our production will be affected. This is why we include “Suppliers” in our water-related risk assessments. We communicate and engage with our suppliers on water-related risks through various feedback mechanisms, surveys, specification requirements, etc. to exchange views on various environmental impacts, including water, and to understand their demands. We then consider and implement solutions to meet their expectations. Finally, we regard the response to CDP Water Security as one of the important information disclosure methods to customers.</td>
<td></td>
</tr>
<tr>
<td>Water utilities at a local level</td>
<td>Relevant, always included</td>
<td>There are some risks of impact to production if there is a lack of sufficient water quality or sufficient amount of water not being supplied from water utilities at a local level. This is why we include “Water utilities at a local level” in our water-related risk assessments. Since water is important to our operations, from early stage of site establishment, we are conducting risk assessments to determine whether stable water quality and quantity are available for long term and whether sustainable measures can be implemented. Based on the results of the risk assessments, we continue to engage with “Water utilities at a local level” to ensure sufficient water quality and quantity.</td>
<td></td>
</tr>
<tr>
<td>Other stakeholders, please specify</td>
<td>Not considered</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

**< Direct operations >**

We perform macro analyses with the WRI Aqueduct. It is one of the most widely utilized tools in the world to assess water risks and is considered to provide highly reliable results. We have analyzed the change of water stress (2020, 2030, and 2040) in each of the three climate-related scenarios. We conduct water risk assessments at least once a year, and also when the tool updated and when new facilities are considered for installation.

We are targeting all Bridgestone Group production sites. In addition, since we own sites that produce our raw materials (natural and synthetic rubber, carbon black, steel code, etc.), we are also analyzing some of the raw material procurement stage of the value chain. Since water usage at non-manufacturing sites such as offices and dealers is very small, they are not covered.

The severity of risk is decided based on the five-rank risk level derived by WRI Aqueduct. As we deal with risks, conditions vary from region to region. So, we collect the following information under the cooperation of municipalities that are closely communicating on a regular basis. We collect information such as regulations, opinions of stakeholders (local governments and communities, NGOs, etc.), water resource information (Usage situation, water volume, price in the area such as city water, groundwater, river water, etc.), and possibility of impact on ecosystem.

Based on those information, each SBU (Strategic Business Unit) decides how to manage water-related risks (mitigate, transfer, accept, or control risks) by comprehensively considering how to cope with sustainability for the region and for our business, and report the Global Environment Working Group, the Global Sustainability Committee and the Global EXCO (Executive Committee) as necessary.

**< Supply chain >**

Through a partnership started in 2018 with EcoVadis, a leading provider of sustainability, risk and performance ratings for global supply chains, we conducted assessments to our major suppliers with current sustainability practices including water, and offered support as needed to improve their performance. This activity could be an opportunity for suppliers to confirm and improve their actions for preventing water-related issues further. For suppliers located in areas where water risk is expected to be particularly high, we also use the WRI Aqueduct to analyze them individually as necessary. The WRI Aqueduct is one of the most widely utilized tools in the world to assess water risks and is considered to provide highly reliable results.

Based on this information, the procurement department decides how to manage water-related risks (mitigation, transfer, accept, or control risks) by comprehensively considering how to cope with sustainability for our business.

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**W4. Risks and opportunities**

**W4.1**

(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?

No

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

i) A definition of substantive financial or strategic impact is given:

We define substantive financial or strategic impact resulting from water risks as any changes which cause significant impact on our relationships with stakeholders, operation, financial performance and reputation in real terms. Specific examples of the impacts include plant shutdowns, property damage, supply chain disruptions, increasing operation costs, environmental regulation violations, and environmental accidents.

ii) The measure(s), metric(s) or indicator(s) used to identify substantive change:

When formulating a Business Continuity Plan (BCP) for each business or production site, “probability” and “impact on business” are used as indicators, and these are multiplied to measure the impact on finance or strategy. Furthermore, we use the results of risk analysis by WRI Aqueduct to estimate the impact based on objective, universal data.

iii) The threshold or amount of change in the metric/measure/indicator which indicates substantive change:

We judge risk based on the following rank classification obtained from the analysis result of Aqueduct. At the highest risk level (Extremely high risk), we consider that there is the potential for substantive financial or strategic impact of water risk.

- Low risk (0-0.99)
- Low to medium risk (1.00-1.99)
- Medium to high risk (2.00-2.99)
- High risk (3.00-3.99)
- Extremely high risk (4.00-5.00)

iv) Whether the definition applies to direct operations, or supply chain, or both:

This definition is applied to direct operations. We conduct an annual risk analysis for the entire group to identify risks. And, we perform analysis for all production sites using WRI Aqueduct once every year. For suppliers located in areas where water risk is expected to be particularly high, we also use the WRI Aqueduct to analyze them individually as necessary.

v) At least one example of substantive impact considered:

According to the latest Aqueduct analysis, there were 11 sites corresponding to “Extremely high risk” in India, Indonesia and China. The sites were evaluated as having a risk of not getting enough water in the quality and quantity needed for its operation. However, all of these sites are relatively small within our Group, with the total water withdrawal volume of the 11 sites only accounting for 2.1% of the Group’s total, and it has never been any substantive financial or strategic impacts on its business in the past. Therefore, we recognize that water quality and quantity is important to the success of our business, but we do not believe there is an immediate substantive financial or strategic impact in direct operations at this point.

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

<table>
<thead>
<tr>
<th>Primary reason</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risks exist, but no substantive impact anticipated</td>
<td>We judge risk based on the following rank classification obtained from the analysis result of Aqueduct. At the highest risk level (Extremely high risk), we consider that there is a substantive financial or strategic impact of water risk. At the moment, this definition is applied to direct operations. We perform analysis on all production sites using Aqueduct once every year. According to the latest Aqueduct analysis, there were 11 sites corresponding to “Extremely high risk” in India, Indonesia and China. However, all of these sites are relatively small within our Group, with the total water withdrawal volume of the 11 sites only accounting for 2.1% of the Group’s total, and it has never been any substantive financial or strategic impacts on its business in the past. Therefore, we recognize that water quality and quantity is important to the success of our business, but we do not believe there is an immediate substantive financial or strategic impact in direct operations at this point.</td>
</tr>
</tbody>
</table>

CDP
W4.3

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

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

W4.3a

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

<table>
<thead>
<tr>
<th>Type of opportunity</th>
<th>Company-specific description &amp; strategy to realize opportunity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Markets</td>
<td>i) Why this opportunity is considered strategic for the company: Based on our 2050 vision, “Bridgestone continues to provide social value and customer value as a sustainable solutions company”, we aim to co-create social and customer value, which require great levels of trust from our stakeholders including improved community relations. Water is one of the important factors, and maintaining and further improving our good relationships with the local communities in which our sites are located regarding water use is an important strategic opportunity for us to continue our business and grow with local communities. ii) Action to realize the opportunity: As water-related situations and issues differ from community to community, actions to realize opportunities will depend on each site. For example, in the effective use of wastewater, it is possible to take measures such as recycling and cascade using the water used in the process. Each site selects appropriate measures, taking into account relevant materials and communication with local governments and other water users. Depending on local circumstances, we work together with them to help resolve water related issues in addition to our individual efforts. By engaging with other water users in the local community, our business may share in the value created from tackling difficult local water challenges in a collective manner. This is an opportunity to influence how water is used locally and help ensure the sustainability of our business locally in the face of water challenges such as increasing water scarcity. iii) Example of the strategy in action: One example is the “cascade use of water” within the community, which leads to a reduction in water withdrawal for the entire community. In 2019, Bridgestone Argentina S.A.I.C (BSAR), located in a water stress area, started a partnership with a nearby cement manufacturer (Loma Negra) to reduce overall water withdrawal in the Llavallol suburb of Buenos Aires. BSAR recycles wastewater generated from its operations, and provides Loma Negra with approximately 14,000 cubic meters of water per year with this project, which will reduce the amount of groundwater withdrawal to zero. The approach used to calculate the figure is expressed by the following formula. (Financial impact) = (Recycled water sales income) - (Recycled water manufacturing cost) + (Reduction of drainage cost) + (Other effects (e.g. PR effect)) BSAR does not exchange money with Loma Negra on this project, and there is no substantial change in drainage costs. Therefore, our “Potential financial impact figure” listed is only an original estimation of the PR effects introduced in many media (ex. newspapers, radio programs, etc.). The financial impact is not great, but in the sense of reducing groundwater withdrawal, we think that it has made a great contribution to the community. This project is also an example for other companies to start thinking in possible synergy projects with nearby companies and lead toward a more sustainable society.</td>
</tr>
</tbody>
</table>

Estimated timeframe for realization
4 to 6 years

Magnitude of potential financial impact
Low

Are you able to provide a potential financial impact figure?
Yes, a single figure estimate

Potential financial impact figure (currency)
2400000

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

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

Explanation of financial impact
The main goal of this BSAR project is to achieve environmental contributions that go beyond our own boundaries by collaborating with stakeholders to review processes and business models. BSAR provides cement manufacturer (Loma Negra) with approximately 14,000 cubic meters of water per year with this project, which will reduce the amount of groundwater withdrawal to zero. The approach used to calculate the figure is expressed by the following formula. (Financial impact) = (Recycled water sales income) - (Recycled water manufacturing cost) + (Reduction of drainage cost) + (Other effects (e.g. PR effect)) BSAR does not exchange money with Loma Negra on this project, and there is no substantial change in drainage costs. Therefore, our “Potential financial impact figure” listed is only an original estimation of the PR effects introduced in many media (ex. newspapers, radio programs, etc.). The financial impact is not great, but in the sense of reducing groundwater withdrawal, we think that it has made a great contribution to the community. This project is also an example for other companies to start thinking in possible synergy projects with nearby companies and lead toward a more sustainable society.

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>Description of business dependency on water</td>
<td>We consider water an essential resource for our operations since water is required for cooling and creating steam in our manufacturing processes as well as cultivating and processing natural rubber, an essential raw material. And, we use water with the understanding that our withdrawal of water deprives others, including the natural environment, of some of their access to water, and that failure to maintain appropriate wastewater quality in accordance with local laws/regulations may affect watershed communities and the natural environment. Our water policy is applied company wide since we need to take actions under the common policy on a global level. In addition, the policy requires suppliers to comply with laws and regulations regarding water, and encourage them to identify their water risks and to manage their water usage in a manner consistent with this Policy. Our policy is composed of “Our Mindset” and “Our Way” to achieve the water access which is socially equitable and environmentally sustainable. And, this policy commit to respect the international engagements such as the SDGs and the international standards. We aim to ensure our group goals, “Socially Equitable” and “Water Cycle Preservation” of the local water cycle where we operate, which constitutes “Our Mindset”. We remain committed to socially equitable water access through cooperation with communities and stakeholders in order to address water challenges. We believe access to clean water is a basic human right. Accordingly, we provide safe water to all employees, contractors and visitors. We make every effort to demonstrate, promote and preserve the water cycle within our communities by promoting water efficiency, stakeholder engagement and continued compliance with regulations. Our Way consists of “Understand”, “Improve Locally” and “Maintain”. - Understand the local water sources, - Understand local water challenges, - Educate employees - Reduce water withdrawal and increase water-use efficiency through our innovations and continuous improvement, - Improve the balance in the local water cycle in cooperation with local communities through stakeholder engagement, - Require suppliers to comply with laws and regulations - Strive to maintain a balance between water withdrawal and discharge, - Comply with regulatory and internal water usage and efficiency standards, - Promote stakeholder interaction</td>
</tr>
<tr>
<td>Description of water-related performance standards for direct operations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description of water-related standards for procurement</td>
<td></td>
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<tr>
<td>Company-wide</td>
<td>Commitment to align with public policy initiatives, such as the SDGs</td>
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<td></td>
<td>Commitments beyond regulatory compliance</td>
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<td></td>
<td>Commitment to water-related innovation</td>
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<tr>
<td></td>
<td>Commitment to stakeholder awareness and education</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Commitment to water stewardship and/or collective action</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water, Sanitation and Hygiene (WASH) in the workplace</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acknowledgement of the human right to water and sanitation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recognition of environmental linkages, for example, due to climate change</td>
<td></td>
</tr>
</tbody>
</table>

W6.2

(W6.2) Is there board level oversight of water-related issues within your organization?
Yes.
(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>Monitoring implementation and performance</td>
<td>At Bridgestone, the CEO is the highest-level management position. And the highest-level committee associated with the Bridgestone Group global business execution is the Global Executive Committee (G-EXCO) held quarterly, where the CEO is also one of the members. The Global Sustainability Committee that is comprised of executive officers in charge of Sustainability and representatives of Strategic Business Units (SBUs) and functions reports water-related issues to the Global EXCO. The reported contents are approved by Global EXCO as necessary. And, important discussions and decisions at Global EXCO are reported to the Board. (1) Progress of our sustainable activities such as education and the enhancement of Global CSR commitment - “Our Way to Serve” - under one of the three priority areas: environment including water withdrawal reduction, (2) New mid-term environmental targets, “Milestone 2030”, including water withdrawal reduction. Reporting the water-related issues to the Global EXCO and the Board through this governance mechanism enables the board to direct actions to achieve the target and to commit further resources or support to water-related issues as necessary.</td>
</tr>
<tr>
<td>Foundational - Reviewing and guiding annual budgets</td>
<td>Reviewing and guiding major plans of action</td>
<td></td>
</tr>
<tr>
<td>Foundational - Reviewing and guiding risk management policies</td>
<td>Reviewing and guiding strategy</td>
<td></td>
</tr>
<tr>
<td>Foundational - Reviewing and guiding corporate responsibility strategy</td>
<td>Setting performance objectives</td>
<td></td>
</tr>
<tr>
<td>Foundational - Reviewing and guiding tool target</td>
<td>Reviewing and guiding risk management policies</td>
<td></td>
</tr>
<tr>
<td>Foundational - Reviewing and guiding tool target</td>
<td>Reviewing and guiding strategy</td>
<td></td>
</tr>
</tbody>
</table>

(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).

Name of the position(s) and/or committee(s)
Chief Executive Officer (CEO)

Responsibility
Both assessing and managing water-related risks and opportunities

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

Please explain
i) Position in the corporate structure: The CEO is the highest-level management position. And the highest-level committee associated with the Bridgestone Group global business execution is the Global Executive Committee (G-EXCO) held quarterly, where the CEO is one of the members. The Global Sustainability Committee that is comprised of executive officers in charge of Sustainability and representatives of Strategic Business Units reports water-related issues to the G-EXCO. ii) Nature of the report to the board: In addition to progress towards water withdrawal reduction target, occasional water challenges and responses are reported. In 2020, “Milestone 2030” including water-related target and actions were discussed at G-EXCO and then reported to the Board as summary of discussion results. iii) Water-related responsibilities: The CEO has ultimate responsibilities to assess internal/external water-related circumstances, issues and risks, and to determine and manage the water target.

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

<table>
<thead>
<tr>
<th>Provide incentives for management of water-related issues</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>We do not plan to introduce them in the next two years</td>
</tr>
</tbody>
</table>

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?
No
W7. Business strategy

W7.1

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

<table>
<thead>
<tr>
<th>Long-term business objectives</th>
<th>Are water-related issues integrated?</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water-related issues are integrated</td>
<td>&gt; 30</td>
<td>- Which water issues are integrated: We consider water an essential resource for our operations since it is required for cooling and creating steam in our manufacturing processes as well as cultivating and processing natural rubber, an essential raw material. Therefore, we have developed the “Bridgestone Water Stewardship Policy”. It is composed of “Our Mindset” and “Our Way” to achieve the water access which is socially equitable and environmentally sustainable. We aim to ensure “Socially Equitable” and “Water Cycle Preservation” of the local water cycle where we operate. And, in order to reduce the environmental impacts and operational interruptions caused by water-related issues, we have set the long-term environmental vision for 2050 and beyond, that includes water-related initiatives, and milestone for 2030. Based on them, each Strategic Business Unit (SBU) incorporates measures into its business plan. - Examples of how are they integrated into the plan: We analyze the water risks at all production facilities using WRI Aqueduct. Based on the result, each SBU decides how to manage water risks by comprehensively considering how to cope with sustainability for the region and for its business, and integrates into its business plan. For example, the Izmit plant in Turkey, located in a water stress area, achieved a 35% reduction of water withdrawal (compared to a 2005 baseline) by taking measures to prevent water leakage and reusing water through advanced treatment.</td>
</tr>
</tbody>
</table>

Strategy for achieving long-term objectives | Yes, water-related issues are integrated | 5-10 | Water is required for cooling and creating steam in our manufacturing processes as well as cultivating and processing natural rubber, an essential raw material. In order to reduce impact on the environment and operational interruptions due to restricted water withdrawal, we have set “Long-term Vision (for 2050 and beyond)” which aims to be “in balance with nature (Contribution > Footprint)”. The water withdrawal reduction is positioned as an important indicator of this vision, and milestones for 10 years are set to promote activities. To achieve the milestone, each Strategic Business Unit (SBU) sets a water withdrawal reduction target for each facility and follows the progress status every month. Since water related issues vary greatly depending on the regions/areas, each SBU decides how to manage water risks by comprehensively considering how to cope with sustainability for the region and for its business, and integrates into its business plan. In order to achieve the milestone, we are promoting various measures such as water leakage survey/measures, utilization of rainwater, utilization of recycled water, and recycling, based on the situation at each facility. For example, the San Paulo plant launched a joint initiative with the local city designed to promote water recycling in order to help reduce the withdrawal of groundwater. This project enabled over 50% of the water withdrawal to be switched to recycled water supplied from a wastewater treatment company nearby. |

Financial planning | Yes, water-related issues are integrated | 5-10 | Water is required for cooling and creating steam in our manufacturing processes as well as cultivating and processing natural rubber, an essential raw material. In order to reduce impact on the environment and operational interruptions due to restricted water withdrawal, we have set “Long-term Vision (for 2050 and beyond)” The water withdrawal reduction is positioned as an important indicator of this vision, and milestones for 10 years are set to promote activities. To achieve the milestone of reducing water withdrawals, each Strategic Business Unit has secured a budget for necessary research and capital investment, and is working systematically. In addition, we are systematically investing in research to cultivate Guayule, which grows in arid regions, and to extract/purify rubber components. Since, due to the effects of climate change, there is a possibility that natural rubber, which is the main raw material for tires that is mainly collected from hevea brasiliensis in tropical regions with high precipitation, cannot be continuously collected. Through these investments, we are concurrently working to reduce the water related impact and create new business opportunities. |

W7.2

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

Row 1
- Water-related CAPEX (+/- % change)
- Anticipated forward trend for CAPEX (+/- % change)
- Water-related OPEX (+/- % change)
- Anticipated forward trend for OPEX (+/- % change)
- Please explain

W7.3

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

<table>
<thead>
<tr>
<th>Use of climate-related scenario analysis</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Bridgestone’s mission is “Serving Society with Superior Quality.” In line with that mission, we have explored a company-wide Business Continuity Plan (BCP) that will enable us to earn the trust of stakeholders including our customers and business partners and ensure the safety of our employees. As part of that process, we have endeavored to assess our exposure to water risks and other risks in the interest of preventing a variety of crisis scenarios. We have assessed crisis scenarios that could materialize on a site-by-site basis and are currently engaged in a study of countermeasures. For example, we have carried out the analysis and stress testing using AQUEDUCT of World Resources Institute (WRI). We have analyzed the change of water stress (2020, 2030, and 2040) in each of the following three climate-related scenarios which are included into the result of the AQUEDUCT analysis—Optimistic scenario, Business As Usual (BAU) scenario, and Pessimistic scenario.</td>
</tr>
</tbody>
</table>
W7.3a Has your organization identified any water-related outcomes from your climate-related scenario analysis?

Yes

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

<table>
<thead>
<tr>
<th>Climate-related scenarios and models applied</th>
<th>Description of possible water-related outcomes</th>
<th>Company response to possible water-related outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2DS, IEA 450</td>
<td>According to the analysis under 2DS conditions, not taking any action will end in financial impacts such as increasing water procurement costs due to more frequent droughts, and these impacts should be managed properly. We have already incorporated the risks into strategy and started action to mitigate them (e.g. Water withdrawal reduction activity with mid-term, development of alternative materials of natural rubber, etc.). However, under the conditions of 4DS, it is expected that the operation will be suspended due to flooding, disruption of the supply chain, and water supply restrictions due to drought. In particular, natural rubber, which is the main raw material for tires cultivated mainly in the tropics, is concerned about poor harvest due to abnormal weather such as high temperature and drought.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>As a measure against floods, BCPs have been formulated at each site and prepared according to the area and building conditions. As a measure against drought, we are promoting efforts to use water efficiently, such as the introduction of a water circulation system. For natural rubber, in particular, we are trying to diversify the production area by trying not only the current mainstream Hevea brasiliensis that is produced in the tropical area but also the plant guayule, which can be cultivated in the arid area. Our group has started field evaluation of the seedlings of superior varieties planted at our plantation in Arizona, USA. By analyzing the results of the field evaluation and combining it with the results of improving physical properties by optimizing the process and application development, we aim to commercialize guayule rubber as a tire material in the 2020s.</td>
<td></td>
</tr>
</tbody>
</table>

W7.4 Does your company use an internal price on water?

Row 1

Does your company use an internal price on water?

No, and we do not anticipate doing so within the next two years

Please explain

We are in the stage of collecting and examining information and examples on the effect and impact of internal price on water, and there is no plan to introduce it at this point within next two years.

W8. Targets

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></td>
<td>&lt; Approach to setting water-related targets &gt; To realize our “Environmental mission statement”, We have issued a “Bridgestone Group’s Long-term Environment Vision” for the year 2050 and have set a goal to be in balance with nature for 2050 and beyond. In order to achieve this goal, we have set our quantitative company-wide 2020 target for the reduction of water withdrawal, and have continued to monitor the result. We achieved the target ahead of schedule in 2017, and have achieved further reductions since then, we missed the target in 2020 due to worsening of the intensity as a result of a significant decrease in production volume due to COVID-19. Since water is the geographically unevenly distributed resource, in setting up the 2020 target, each business set its own individual target taking into account local situations and characteristics of each business first of all. After that, we set the company-wide target. In setting Milestone 2030, we focused on water stress areas in particular. “Execute water stewardship plan at manufacturing facilities in water stress areas by 2030” was positioned as a Focused target, and the following two are the Key actions. 1. Create and implement water stewardship plans based on Water Stewardship Policy (policies related to the responsible use of water), 2. Continuous improvement (*1) of water withdrawal intensity. *1: Continuous improvement is ongoing efforts to improve environmental performance year by year (such as 1% improvement) through PDCA cycle. &lt; Approach to monitoring water-related targets &gt; Every year until 2020, we have been monitoring our performance against site specific, business level specific targets and company-wide target to help drive further reduction activities. We believe that this goal &amp; target, and efforts towards them will definitely contribute to SDG6 Goal 6, “Ensure availability and sustainable management of water and sanitation for all”.</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**

We have a company-wide target on water withdrawal per unit to reduce 35% by 2020 compared to 2005. We manage water withdrawal by unit of production volume and net sales for each business. A weighted average efficiency of the reduction is used as an index. It can contribute to achieving water security in the area where our sites are located and the realization of Goal 6 of SDGs (Goal 6: Ensure availability and sustainable management of water and sanitation for all).

**Quantitative metric**

% reduction per unit of production

**Baseline year**

2005

**Start year**

2014

**Target year**

2020

**% of target achieved**

89.8

**Please explain**

In 2014, we set a target on water withdrawal per unit to reduce 35% by 2020 compared to 2005. In 2017, we achieved the target ahead of schedule. After that, we continued to reduce water withdrawals and achieved a 40% reduction in 2018 and 2019. However, we missed the target in 2020 due to worsening of the intensity as a result of a significant decrease in production volume due to COVID-19.

---

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

**Goal**

Watershed remediation and habitat restoration, ecosystem preservation

**Level**

Company-wide

**Motivation**

Water stewardship

**Description of goal**

Natural rubber, one of the main raw materials we use, comes from the blessings of biodiversity, we have identified strong correlations between our business operations and biodiversity. Accordingly, our group has laid out a long-term environmental vision for the year 2050 and has set a target to be in balance with nature for 2050 and beyond. The implication of this target is that the quantitative indicators of our contribution to biodiversity should outweigh the quantitative indicators of our impact on biodiversity. This goal is very important for us as it leads to the preservation of biodiversity and also leads to the stable procurement of natural rubber. Activities in water resource conservation and ecosystem protection by our entire group will be important to the achievement of this goal. To implement the goal, for example, our group is reusing/recycling water at many of its manufacturing sites, including operations in areas where there are serious concerns regarding water shortage. It is also using water resources more efficiently by enhancing the production process and using rainwater. And, Bridgestone Americas, Inc. (BSAM) acquired wildlife habitat conservation and environmental education certification from the Wildlife Habitat Council for its 10 Wildlife Habitat Sites in the United States and Mexico. BSAM conserves the natural flora and fauna at each of these sites and provides environmental education opportunities in line with local conditions.

**Baseline year**

2005

**Start year**

2012

**End year**

2050

**Progress**

We have implemented actions worldwide to protect water resources and ecosystems. For example, we have been conducting waterside nature observation events from 2005. Through this activity, many people aim to reaffirm the rich nature and increase the interest in the environment. And, we launched a project to preserve water-resource forests in Japan in 2010. Currently, we have conducted forest preservation activities in 9 districts (Total 132.5 ha) and held forest preservation events. These activities are conducted at sites around the world, and their progress is assessed based on the measurable indicators. For example, % of on-site area managed as habitat compared to on-site area, Number of events/participants focused on environmental conservation/education, etc. We recognize these activities were succeeded when KPI scores of the activities are more than 100% compared to those in previous year. Through efforts of this kind, we are working to expand our quantitative contributions to the achievement of our long-term vision “In balance with nature” for 2050 and beyond. Currently, an international index for quantitative evaluation has not been established, so we are using the water withdrawal reduction target as an index for evaluating progress. The threshold of success is a 35% reduction by 2020. Although we were unable to achieve the target due to COVID-19, we have achieved it since 2017, and we believe that the overall trend is steadily approaching our vision.
W9. Verification

W9.1

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

Yes

W9.1a

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

<table>
<thead>
<tr>
<th>Disclosure module</th>
<th>Data verified</th>
<th>Verification standard</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>W1 Current state</td>
<td>Water withdrawal data - Fresh surface water (water from rivers and lakes); W1.2h Row1 - Brackish surface water/seawater; W1.2h Row2 - Groundwater - renewable; W1.2h Row3 - Third party sources; W1.2h Row6</td>
<td>ISAE 3000</td>
<td>We received the assurance of a third-party institution to ensure transparency, completeness, and accuracy of water withdrawal results (W1.2h). The verification by the third-party is implemented once a year for all production sites of our group that has certificated ISO 14001. We regard water withdrawal which is the starting point of water related issues as the most important indicator among water related indicators, so we are subjecting it to the third-party verification at the present time.</td>
</tr>
</tbody>
</table>

W10. Sign off

W-FI

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

W10.1

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

<table>
<thead>
<tr>
<th>Row 1</th>
<th>Job title</th>
<th>Corresponding job category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Global COO</td>
<td>Chief Operating Officer (COO)</td>
</tr>
</tbody>
</table>

W10.2

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

No