

W0. Introduction

W0.1

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

Trane Technologies plc is a \$12.5b global climate innovator. We bring efficient and sustainable climate solutions to buildings, homes and transportation driven by strategic brands Trane® and Thermo King® and an environmentally responsible portfolio of products and services. Prior to the separation of our Industrial segment on February 29, 2020, we announced a new organizational model and business segment structure designed to enhance our regional go-to-market capabilities, aligning the structure with our strategy and increased focus on climate innovation. Under the revised structure, we created three new regional operating segments from the former climate segment, which also serve as our reportable segments.

- Our Americas segment innovates for customers in the North America and Latin America regions. The Americas segment encompasses commercial heating and cooling systems, building controls, and energy services and solutions; residential heating and cooling; and transport refrigeration systems and solutions.
- Our EMEA segment innovates for customers in the Europe, Middle East and Africa region. The EMEA segment encompasses heating and cooling systems, services and solutions for commercial buildings, and transport refrigeration systems and solutions.
- Our Asia Pacific segment innovates for customers throughout the Asia Pacific region and India. The Asia Pacific segment encompasses heating and cooling systems, services and solutions for commercial buildings and transport refrigeration systems and solutions.

We generate revenue and cash primarily through the design, manufacture, sale and service of a diverse portfolio of market-leading brands, including Thermo King® and Trane® • We have approximately 36,000 employees and manufacturing and assembly operations in 34 plants globally: 23 plants in United States; 8 plants in Europe and the Middle East; 3 plants in Asia. Trane Technologies also maintains offices, warehouses and repair centers throughout the world. Trane Technologies plc is headquartered in Dublin, Ireland with executive offices in Davidson, North Carolina, USA.

Since 2009, we have focused on long-term sustainability goals to advance our environmental performance. In 2019 we announced our 2030 commitments which include:

Our Gigaton Challenge is aimed at reducing customer carbon emissions by one billion metric tons. This will require reducing emissions from products and services by 48% by 2030, which has been validated by the Science Based Targets initiative (SBTi). The Gigaton Challenge will be accomplished by:

- Accelerating clean technologies that heat and cool buildings in sustainable ways
- Increasing energy efficiency in buildings, homes, and transport environments
- Reducing food loss in the global cold chain
- Transitioning out of high-global warming potential refrigerants by 2030 (ahead of regulation)
- Designing systems for circularity
- Increasing access to cooling and fresh food

Our leading Leading by Example commitment is our operational goals which include:

- Achieving carbon neutral operations
- Delivering zero waste to landfills
- Becoming net positive with water use
- Reducing absolute energy consumption by 10%, compared to the 2019 baseline

Our Opportunity for All is Trane Technologies' initiative to achieve workforce diversity reflective of its communities and create pathways to green and STEM careers. We will:

- Achieve workforce diversity reflective of our communities
- Achieve gender parity (50% women) in leadership roles
- Maintain world-class safety metrics
- Provide market-competitive wages, benefits, and leading wellness offerings for workforce
- Invest \$100 million in building sustainable futures for under-represented students
- Dedicate 500,000 employee volunteer hours in our communities

Each year since 2008 we (as Trane Inc.) have responded affirmatively to the Carbon Disclosure Project Investor Questionnaire. In 2020, we were honored to be recognized by a variety of highly esteemed organizations. Most notably: • Listed on the 2020 Dow Jones Sustainability World Index and North America Index • listed as a constituent of the FTSE4Good Index Series .

W0.2

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

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

W0.3

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

- Belgium
- Brazil
- Canada
- China
- France
- Germany
- India
- Italy
- Mexico
- Thailand
- United Kingdom of Great Britain and Northern Ireland
- United States of America

W0.4

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

USD

W0.5

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

Companies, entities or groups over which financial control is exercised

W0.6

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

No

W1. Current state

W1.1

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

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Important	Important	Direct use: The primary need for fresh water is to support non-contact processes in manufacturing operations and for potable use (sanitary and drinking water) at our facilities. Approximately 93 percent of water used occurs in North American. Of this water, only 3% is withdrawn from North American subregions considered to be water stressed. Trane Technologies sees that current and future water needs for direct use are secure. Indirect use: Our products do not use large quantities of water. The limited water required is usually to replace what is lost in a closed loop and can be grey water. Freshwater is important to our supply chain in as much as it impacts our ability to operate and therefore supply product. Trane Technologies does not foresee a change in our water requirements and dependencies, neither direct nor indirect, because of the similarities between our processes and our Suppliers.
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Neutral	Our products do not use large quantities of water. The limited water required is usually to replace what is lost in a closed loop and can be grey water. Trane Technologies does not foresee a change in our water requirements and dependencies, neither direct nor indirect, because of the similarities between our processes and our Suppliers.

W1.2

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

	% of sites/facilities/operations	Please explain
Water withdrawals – total volumes	76-99	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. We track monthly water usage at the facility level using our environmental data reporting platform (GensuiteTM). We have annual targets to reduce water use at our sites, and a 2030 goal to become "Net Positive" for water use at our water stressed locales. Water withdrawal volumes are obtained from flow meters for the site-specific source/supplier with reports provided either daily or monthly.
Water withdrawals – volumes by source	76-99	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. We track monthly water usage at the facility level using our environmental data reporting platform (GensuiteTM). We have annual targets to reduce water use at our sites, and a 2030 goal to become "Net Positive" for water use at our water stressed locales. Water withdrawal volumes are obtained from flow meters for the site-specific source/supplier with reports provided either daily or monthly.
Entrained water associated with your metals & mining sector activities - total volumes [only metals and mining sector]	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>
Water withdrawals quality	76-99	Trane Technologies facilities comply with all applicable federal, state, provisional, and local water quality regulations and permits/licenses regarding water withdrawals and wastewater discharges. Trane Technologies is predominately supplied water from municipal suppliers who do not required routine monitoring of incoming waters given these authorities conduct the required water monitoring. Trane Technologies does not routinely monitor the quality of obtain from local supply wells.
Water discharges – total volumes	76-99	Trane Technologies considers water quality for both intake and discharge an important issue at all of our sites. Our manufacturing facilities track their water discharges. We consolidate/report internal water usage and discharges at the facility level on a monthly basis through our GensuiteTM environment management system. The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits and reporting requirements. We take aggressive action when approaching a discharge limit to adjust systems to avoid an exceedance. We set an internal limit to be below 50% of our permit level at our facilities globally. Our process discharge waters are first internally treated and then discharged with the same or higher quality as the withdrawn water.
Water discharges – volumes by destination	76-99	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. Our manufacturing facilities track their water discharges with complete transparency for the receiving source/destination of effluent waters. We track our water use at the facility level on a monthly basis through our GensuiteTM environment management system. The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits and reporting requirements. We take aggressive action when approaching a discharge limit to adjust systems to avoid an exceedance. We set an internal limit to be below 50% of our permit level at our facilities globally. Our process discharge waters are first internally treated and then discharged with the same or higher quality as the withdrawn water.
Water discharges – volumes by treatment method	76-99	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. Documentation is available for each location that clearly delineates the Trane's pre-treatment processes for industrial and sanitary wastewater. We track our water use at the facility level on a monthly basis through our GensuiteTM environment management system. The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits and reporting requirements. We take aggressive action when approaching a discharge limit to adjust systems to avoid an exceedance. We set an internal limit to be below 50% of our permit level at our facilities globally. Our process discharge waters are first internally treated and then discharged with the same or higher quality as the withdrawn water.
Water discharge quality – by standard effluent parameters	76-99	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. We track our water use at the facility level on a monthly basis through our GensuiteTM environment management system. The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits and reporting requirements. Trane Technologies utilizes external laboratory and promulgated reference sampling/analytical methods to determine the composition of regulated constituents and overall quality of effluents. We take aggressive action when approaching a discharge limit to adjust systems to avoid an exceedance. We set an internal limit to be below 50% of our permit level at our facilities globally. Our process discharge waters are first internally treated and then discharged with the same or higher quality as the withdrawn water.
Water discharge quality – temperature	26-50	In some cases, Trane Technologies monitors the temperature of process wastewater discharged from manufacturing operations as required by local regulation/discharge permit. The temperature for these waters are typically ambient and do not present a temperature risk to receiving sources (e.g., local municipal public water treatment facilities).
Water consumption – total volume	76-99	Trane Technologies considers water quality for both intake and discharge an important issue at our sites. We track monthly water usage at the facility level using our environmental data reporting platform (GensuiteTM). Water consumption values are obtained from flow meters for the site-specific source/supplier with reports provided either daily or monthly. We have annual targets to reduce water use at all of our sites, and a 2030 goal to become "Net Positive" for water use at our water stressed locales.
Water recycled/reused	1-25	Trane Technologies has limited processes in place for closed loop/water re-use systems. We are studying options to increase closed loop systems in our operations as part of our 2030 Net Positive water use goal.
The provision of fully-functioning, safely managed WASH services to all workers	76-99	Creating and sustaining a safety-focused, zero-incident culture is a top priority for everyone at Trane Technologies. This commitment starts with our CEO and permeates the entire organization. In responding to this year's employee engagement survey, 93% of employees stated they believe Trane Technologies is committed to employee safety. Fully functioning WASH services are part of our standard operating procedures which include an annual effectiveness assessment to confirm WASH services meet company requirements.

W1.2b

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

	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Total withdrawals	2778	Lower	Approximately 75% of water withdrawn is used for non-contact manufacturing purposes. Such water is withdrawn and return to the water authorities free of contamination from Trane Technologies business activities. The lower total water usage for 2020 versus 2019 is attributed to water use reduction projects and lower consumption due to the COVID pandemic. Trane Technologies commits to a 2030 goal to become "Net Positive" for water use at our water stressed sites. We predict our actions will result in a 5 percent decrease in water used at regions classified as water stressed.
Total discharges	2778	Lower	Trane Technologies discharged 6% of total water withdrawn (180 megaliters) as pre-treated process wastewater with this effluent directed to third-party/ community wastewater treatment facilities. The balance of the discharged water (~2,800 megaliters) is non-contact water with a small portion discharged as sanitary wastewater directed to community wastewater treatment facilities. Lower 2020 water discharges follow the lower water withdrawals for 2020. We are evaluating closed-loop water systems to further reduce discharges. The use of closed-loop water systems are predicted to decrease our annual discharge volume by up to 10 percent.,
Total consumption	0	Lower	Trane Technologies' sites in general return the water received from local suppliers. Our consumption is based on a company-wide calculation of withdrawals minus discharges. Our operations are not significant water consumers and do not generally experience any material evaporative or other water losses. Our total consumption will decrease in the future between 5 and 10 percent based on the reduction in water withdrawn in stressed water regions combined with the implementation of closed-loop process water systems.

W1.2d

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

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Identification tool	Please explain
Row 1	Yes	1-10	Much lower	WRI Aqueeduct	Since 2011, Trane Technologies has utilized the WRI Aqueeduct Water Risk Mapping Tool to identify sites located in areas considered to be water stressed. We developed an Aqueeduct upload template that incorporates the latitude/longitude coordinates for our water usage reporting sites. Our initial approach was to select sites based on the overall water risk parameter using a 2.75 or higher score. In recent years, Trane has modified the assessment to define water stressed as a score of 3 or higher for Weighted Aggregation Quantity, Weighted Aggregation Quality, Reputational Risk, and the Overall Water Risk. The number of sites designed water stressed has changed slightly year-to-year. For 2020, 8 percent of our total water withdrawals is associated with regions classified as water stressed. For these stressed regions, Trane Technologies reduced water withdrawals by over 20 percent for 2020 versus 2019.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant	<Not Applicable>	<Not Applicable>	Trane Technologies does not withdraw water from these sources.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	Trane Technologies does not withdraw seawater or brackish surface water.
Groundwater – renewable	Not relevant	<Not Applicable>	<Not Applicable>	A small number of Trane Technologies locations have an onsite wells to serve as a backup water supply. Water is not routinely drawn from these wells. On a worse case basis, water from these wells would account to less than 1 percent of our total water withdrawals.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	A small number of Trane Technologies locations have an onsite wells to serve as a backup water supply. Water is not routinely drawn from these wells. On a worse case basis, water from these wells would account to less than 1 percent of our total water withdrawals.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	This water source is not applicable to Trane Technologies operations.
Third party sources	Relevant	2778	Lower	Trane Technologies is predominately supplied water from municipal suppliers. The withdrawal volumes are defined using onsite flow meters or from water suppliers' invoices. The lower water usage for 2020 versus 2019 is attributed to water use reduction projects and lower water consumption due to the COVID pandemic. Trane Technologies commits to a 2030 goal to become "Net Positive" for water use at our water stressed sites.

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water	Not relevant	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not discharged to surface water bodies.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not discharged to brackish surface water or ocean bodies.
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not discharged to groundwater.
Third-party destinations	Relevant	2778	Lower	This is relevant because water withdrawn by Trane Technologies is returned to local municipal water suppliers. We decreased our total water discharged by reducing our water consumption. Our 2020 water withdrawals are 5 percent lower compared to 2019. This change is related to water use reduction projects and due to the impact of the COVID pandemic.

W1.2j

(W1.2j) Within your direct operations, indicate the highest level(s) to which you treat your discharge.

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant	152	Lower	21-30	
Secondary treatment	Relevant	28	Lower	21-30	
Primary treatment only	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We do not discharge primary treatment water only.
Discharge to the natural environment without treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Trane Technologies does not discharge to the natural environment
Discharge to a third party without treatment	Relevant	2599	Lower	31-40	
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We have no other form of treatment

W1.4

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

Yes, our suppliers

W1.4a

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

Row 1

% of suppliers by number

1-25

% of total procurement spend

26-50

Rationale for this coverage

For 2020, 90% of our Preferred Supplier Base was in-scope for this request. Our Preferred Supplier Program is a key initiative to identify and engage world-class suppliers. This program is for our most strategic partners and provides them with growth opportunities while helping us build a supply base that aligns with our core values. We incentivize suppliers to report on their water usage as Preferred Suppliers have to meet several criteria in order to keep their status, one of which is to report on requested sustainability metrics annually.

Impact of the engagement and measures of success

2020 was our baseline year, we believe that this initial request helped to bring awareness and drive engagement to climate issues in our supply chain. We will use our scope coverage as well as our response rate in future years as a measurement of success. We will use the information to track a supplier's progress towards carbon reduction goals year-over-year.

Comment

W1.4b

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

Type of engagement

Incentivizing for improved water management and stewardship

Details of engagement

Demonstrable progress against water-related targets is incentivized in your supplier relationship management
Water management and stewardship action is integrated into your supplier evaluation

% of suppliers by number

1-25

% of total procurement spend

26-50

Rationale for the coverage of your engagement

For 2020, 90% of our Preferred Supplier Base was in-scope for this request. Our Preferred Supplier Program is a key initiative to identify and engage world-class suppliers. This program is for our most strategic partners and provides them with growth opportunities while helping us build a supply base that aligns with our core values. We incentive suppliers to report on their water usage as Preferred Suppliers have to meet several criteria in order to keep their status, one of which is to report on requested sustainability metrics annually.

Impact of the engagement and measures of success

2020 was our baseline year, we believe that this initial request helped to bring awareness and drive engagement to climate issues in our supply chain. We will use our scope coverage as well as our response rate in future years as a measurement of success. We will use the information to track a supplier's progress towards carbon reduction goals year-over-year.

Comment

Type of engagement

Onboarding & compliance

Details of engagement

Requirement to adhere to our code of conduct regarding water stewardship and management

% of suppliers by number

76-100

% of total procurement spend

76-100

Rationale for the coverage of your engagement

All suppliers must meet the requirements outlined in our Business Partner Code of Conduct and Supplier Sustainability Expectations, specifically suppliers must have an effective environmental policy, conduct their operations in a way that protects the environment, have programs to address resource consumption; specifically a water conservation program which includes a water usage monitoring plan and objectives and targets for reducing the water intensity of their operations.

Impact of the engagement and measures of success

We believe by having these requirements standard in our Terms & Conditions that apply to our entire supply base we are reaching over 14,000 suppliers with our requirements. We believe a measurement of success is to continue to have suppliers agree to our requirements.

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

W3.3a

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

Direct operations

Coverage

Full

Risk assessment procedure

Water risks are assessed as a standalone issue

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Tools on the market

Tools and methods used

WRI Aqueduct

Comment

Water-related risks are assessed utilizing the WRI Aqueduct Water Risk Mapping Tool to identify areas potential at risk based on water necessary for business operations. Our focus has been on those determined to "waste stressed" based on the WRI attributes with a score of 3 or higher for Weighted Aggregation Quantity, Weighted Aggregation Quality, Reputational Risk, and the Overall Water Risk. The company reviews the stressed locations risks every year.

Supply chain

Coverage

Partial

Risk assessment procedure

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

Frequency of assessment

Every two years

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Other

Tools and methods used

Internal company methods

Comment

Our supplier onsite assessment requires our suppliers to identify whether or not their facility is located in an area of medium high or greater water stress. Our procurement engineers have the ability to flag risk areas associated with water availability in our supply chain through the onsite assessment.

Other stages of the value chain

Coverage

None

Risk assessment procedure

<Not Applicable>

Frequency of assessment

<Not Applicable>

How far into the future are risks considered?

<Not Applicable>

Type of tools and methods used

<Not Applicable>

Tools and methods used

<Not Applicable>

Comment

W3.3b

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

	Relevance & inclusion	Please explain
Water availability at a basin/catchment level	Relevant, always included	Trane Technologies uses the World Resources Institute (WRI) Water Risk Atlas Tool (Aqueduct) to compare Trane Technologies' water use at active manufacturing facilities with validated regional water availability data. Facilities are mapped to estimate the number and location of sites that could be impacted by water stress now and in the future. Trane Technologies considers water availability relevant given water is necessary for staff consumption as well as used for parts washing and product testing at some of our manufacturing operations.
Water quality at a basin/catchment level	Relevant, always included	Trane Technologies uses the World Resources Institute (WRI) Water Risk Atlas Tool (Aqueduct) to compare Trane Technologies' water use at active manufacturing facilities with validated regional water availability data. Facilities are mapped to estimate the number and location of sites that could be impacted by water stress now and in the future. Trane Technologies considers water quality a relevant aspect given safe and clean water is necessary for staff consumption as well as used for parts washing and product testing at some of our manufacturing operations.
Stakeholder conflicts concerning water resources at a basin/catchment level	Not relevant, explanation provided	Trane Technologies has not experienced stakeholder conflicts related to water. Given our relatively low water consumption, and the fact that only 8% of our total water withdrawals occur in water stressed areas, we do not anticipate any stakeholder conflicts in the near term. The company's community and public relations specialists re-assess this as needed and are prepared to consider the development of a corporate wide process for dealing with such issues were to arise. We do not foresee stakeholder conflicts to be a relevant issue in the future.
Implications of water on your key commodities/raw materials	Relevant, always included	Our supplier onsite assessment requires our suppliers to identify whether or not their facility is located in an area of medium high or greater water stress. Our procurement engineers have the ability to flag risk areas associated with water availability in our supply chain through the onsite assessment. . We consider water as a key commodity as relevant given the need for water for staff consumption as well as used for parts washing and product testing at some of our manufacturing operations.
Water-related regulatory frameworks	Relevant, always included	Trane Technologies monitors compliance with all influent and effluent water requirements under permits or regulations. Where there are discharge limits, Trane Technologies defines an internal trigger of 50 percent of a discharge limit to take action before a limit is exceeded. The water regulatory framework is another relevant aspect for Trane Technologies given the importance for the company to maintain our licenses for water withdrawals and permits for water discharges.
Status of ecosystems and habitats	Not relevant, explanation provided	In 2014 we conducted a comprehensive materiality analysis for our company, mapping importance to Trane Technologies against importance to our key stakeholders. Our stakeholders ranked Land Use Impact of Operations lowest in a forced ranking; this issue also was of least importance to the business due to our low water intensity. Therefore we do not consider this issue Relevant, we may evaluate again in the future. We do not anticipate this issue to be relevant in the future based on the geographical locations of our business operations.
Access to fully-functioning, safely managed WASH services for all employees	Relevant, always included	We provide WASH services in all our facilities. These are monitored at the facility level. This attribute is considered to be relevant to Trane Technologies to ensure we maintain safe and healthy working conditions for employees and visitors.
Other contextual issues, please specify	Not relevant, explanation provided	No other contextual issues that are material.

W3.3c

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

	Relevance & inclusion	Please explain
Customers	Relevant, always included	In 2013 we launched a new enterprise-wide new product development phase-gate process called the Trane Technologies Product Development Process. The PDP requires project teams to utilize a sustainable product opportunity assessment that combines data on customer's sustainability needs with a sustainability assessment of competitive products to identify which aspects of sustainability present the greatest opportunity for creating new customer value, for example, managing water use in a building. Water foot printing of our products are done and hence Water consumed per product is calculated and taken into account, during design of products.
Employees	Relevant, always included	Employees are asked to rank risks associated with water and other environmental factors in a semi-annual materiality analysis
Investors	Not considered	no comment
Local communities	Relevant, always included	Water quantity and quality concerns are managed on an individual facility basis through the use of the site's EMS, especially at those facilities located in water stressed areas. We have 10 sites globally that are located in areas of high or extremely high water stress conditions.
NGOs	Not considered	no comment
Other water users at a basin/catchment level	Not considered	no comment
Regulators	Relevant, always included	Water quantity and quality concerns are managed on an individual facility basis through the use of the site's EMS, including at those facilities located in water stressed areas. We have 11 manufacturing sites globally that are located in areas of high or extremely high water stress. Since 2010 we have used an enterprise-wide initiative to track and improve the capability of our wastewater treatment and storm water management systems to meet permit limitations. The introduction of Gensuite in 2014 enables all users to manage water permit compliance by providing digital tools that helps them complete their jobs faster and more efficiently. The module Water Watch is used to trend and track environmental permit compliance related to our water emissions and reporting requirements.
River basin management authorities	Not relevant, explanation provided	In 2014 we conducted a comprehensive materiality analysis for our company, mapping importance to Trane Technologies against importance to our key stakeholders. Our stakeholders ranked Land Use Impact of Operations lowest in a forced ranking; this issue also was of least importance to the business due to our low water intensity. Therefore we do not consider this issue Relevant.
Statutory special interest groups at a local level	Not considered	no comment
Suppliers	Relevant, always included	Our supplier onsite assessment requires our suppliers to identify whether or not their facility is located in an area of medium high or greater water stress. Our procurement engineers have the ability to flag risk areas associated with water availability in our supply chain through the onsite assessment.
Water utilities at a local level	Relevant, always included	Water quantity and quality concerns are managed on an individual facility basis through the use of the site's EMS, including those facilities located in water stressed areas. We have 11 manufacturing sites globally that are located in areas of high or extremely high water stress. Since 2010 we have used an enterprise-wide initiative to track and improve the capability of our wastewater treatment and storm water management systems to meet permit limitations. The introduction of Gensuite in 2014 enables all users to manage water permit compliance by providing digital tools that helps them complete their jobs faster and more efficiently. The module Water Watch is being used to see trend and track environmental permit compliance related to our water emissions and reporting requirements.
Other stakeholder, please specify	Not considered	

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.

Trane Technologies annually conducts a risk assessment through the WRI Aqueduct tool and WBCSD tool for all the plant locations and identified the facilities with potential water related risk in the next ten years. Our focus has been on those determined to "waste stressed" based on the WRI attributes with a score of 3 or higher for Weighted Aggregation Quantity, Weighted Aggregation Quality, Reputational Risk, and the Overall Water Risk. The company reviews the stressed locations risks every year. We have also conducted life cycle assessments of our products to identify the amount of water embodied into each product. We also monitor and record our water consumption and discharge across all our facilities using our EHS system Gensuite. Our supplier onsite assessment requires our suppliers to identify whether or not their facility is located in an area of medium high or greater water stress. Our procurement engineers have the ability to flag risk areas associated with water availability in our supply chain through the onsite assessment.

W4. Risks and opportunities

W4.1

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

No

W4.1a

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

Trane Technologies defines substantive strategic impact where a company operation or a key upstream supplier experiences temporary or permanent interruption of local water supplies adversely impacting our ability to manufacture and service company products. Fresh quality water is important to our operations; however, Trane Technologies business operations are not water intensive and we have a relatively low overall water risk. Our site-specific emergency management plans address basic business continuity issues (i.e., loss of utilities). We continue to implement measures to reduce water usage across all our operations including setting standards for water management and training. The objectives of the trainings are to review annual goals, review water supply management requirements, help sites understand the cost of water, and review best practices to be used at our sites to reduce water usage. In 2020 we had an internal absolute water use reduction goal of 2% for all manufacturing locations in water stressed areas and a reduction goal of 5% for all locations. Trane Technologies reduced water consumption at stressed locales by 23% for 2020 versus 2019. We also achieved our overall 2020 water use reduction goal by delivering a 5.4% reduction versus 2019. Trane Technologies has established a new water management goal to become "Net Positive" for water use at our water stressed sites by 2030.

W4.2b

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

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	Trane Technologies processes and products are not water intensive. Water is necessary for staff consumption as well as used for parts washing and product testing at some of our manufacturing operations. All Trane Technologies manufacturing sites are required to implement an Environmental Health and Safety Management System (EMS) and identify their aspects and impacts of their operations. The impact of our operations on water quantity and quality is one potential impact that is evaluated during this process. Water quantity and quality concerns are managed on an individual facility basis through the use of the site's EMS.

W4.2c

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

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	While risks are present, recent interactions with suppliers suggest the water risks do not present a significant likelihood of an adverse impact on their operations. In most cases, Trane Technologies' preferred suppliers have developed and implemented sustainability programs that include aspects for water supplies and quality necessary for their business needs.

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?

No

W4.3b

(W4.3b) Why does your organization not consider itself to have water-related opportunities?

	Primary reason	Please explain
Row 1	Opportunities exist, but none with potential to have a substantive financial or strategic impact on business	Trane Technologies' products and processes are not water intensive. We evaluate water use in the design of our products as part of our phase gate new product development process. Cost of water is less than 1% of total operating costs. Trane Technologies developed a program for Design for Sustainability in partnership with UL Environment, a credible, science-focused, third-party health, and sustainability standards development and testing organization. The program creates foundational knowledge and skills we to apply sustainability principles in the Trane Technologies Product Development Process. We manage all new products or redesigns of existing products under our Product Development Program. This program includes an assessment of the all aspects of sustainability (energy, carbon, waste, water, life cycle, etc.) and involves a stage gate and assessment for product approval. While water consumption requirements for product manufacturing and customer usage are assessed, water is not a material attribute of our products and their development.

W6. Governance

W6.1

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

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

W6.1a

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

	Scope	Content	Please explain
Row 1	Company-wide	Description of water-related performance standards for direct operations Company water targets and goals Commitments beyond regulatory compliance	Water conservation is a key element of our commitment to sound environmental management practices to meet employee, local communities, and shareholder expectations as reflected in Trane Technologies' EHS Policy issued by our Chief Executive Officer. Our EHS Policy includes water considerations given our general dependency of clean water for staff consumption and business activities. While we do not believe our business activities impact local water supplies since we are not a water intensive industry, we include water conservation and protections in our EHS Policy with our commitment to be a truly responsible global corporate citizen. All our facilities under financial control are required to record and monitor their consumption and discharge through our EHS system. Measures are taken at facility level for reduction in water consumption.

W6.2

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

Yes

W6.2a

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

Position of individual	Please explain
Director on board	The complete Board of Directors, including the President and CEO, approved Trane Technologies' sustainability commitments, monitors progress, and has overall responsibility for ensuring the commitments are met. We have a 2030 net positive water commitment against 2019 which includes annual targets. Progress on sustainability commitments is reported on publicly at least annually. The CEO and board approved our 2030 net positive water commitment and monitors progress towards that goal. Sustainability, including water reduction commitments, are a formal responsibility of our Board of Directors' Corporate Governance and Nominating Committee and the Enterprise Leadership Team. The Committee, on behalf of the Board, sets the strategic direction for Trane Technologies' sustainability approach. The committee meets at least annually to evaluate the company's sustainability performance and is informed regularly by the company's EVP and Chief Technology and Sustainability Officer (CTO). The CTO has the role of providing these and other updates to this Committee on a regular basis.

W6.2b

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

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	Monitoring implementation and performance Reviewing and guiding business plans Reviewing and guiding strategy	The EVP and Chief Technology and Sustainability Officer (CTO) are responsible for the company's guiding corporate strategy including the cascade of all enterprise metrics and decisions related to acquisitions and divestitures. The Sustainability, Corporate Governance and Nominating committee of the Board of Directors meets twice per year to evaluate the company's sustainability (water included) performance and is informed regularly by the company's EVP and Chief Technology and Chief Sustainability Officer. Sustainability strategy is reviewed on a regular basis at the board level as part of our strategy development and reporting of progress. - Performance against water goals is measured reviewed annually by the Committee

W6.3

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

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

Other C-Suite Officer, please specify (Chief Technology and Sustainability Officer)

Responsibility

Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

Annually

Please explain

The EVP and Chief Technology and Sustainability Officer leads Trane Technologies' enterprise sustainability work and serves on various boards and advisory councils: our External Sustainability Advisory Council, an advisory group comprised of global thought leaders in infrastructure, energy policy and technology. Accountability for best practices is governed by our Internal Sustainability Strategy Council, of which our CTO is the executive sponsor.

W6.4

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

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	Organization cascades goals from CEO's office, including all environmental and social sustainability goals. Key metrics are factored into leadership performance. Our strategic business unit leaders each have operational water use reduction goals year over year that align with achieving our 2030 sustainability target of "net positive water" in our operations. We have developed annual and mid-term target anchors for achieving this goal.

W6.4a

(W6.4a) What incentives are provided to C-suite employees or board members for the management of water-related issues (do not include the names of individuals)?

	Role(s) entitled to incentive	Performance indicator	Please explain
Monetary reward	No one is entitled to these incentives	<Not Applicable>	
Non-monetary reward	Corporate executive team Chief Executive Officer (CEO) Chief Financial Officer (CFO) Chief Operating Officer (COO) Chief Purchasing Officer (CPO) Chief Risk Officer (CRO) Chief Sustainability Officer (CSO) Other, please specify (Business Leadership Teams)	Reduction in consumption volumes Other, please specify (Progress against annual target)	Key metrics are factored into leadership performance. Our strategic business unit leaders each have operational water use reduction goals year over year that align with achieving our 2030 sustainability target of "net positive water" in our operations.

W6.5

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?

No

W6.6

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

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

2020-ESG-Report.pdf

W7. Business strategy

W7.1

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

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	5-10	Water related goals are included in our materiality assessment and monitored quarterly. Trane Technology conducts a full materiality assessment every 5 years. Recent assessments conclude the water availability in regions classified as water stressed is material for Trane Technologies and our stakeholders. Because of this, we have made a public commitment to be net-positive water in water stressed regions and will carry out water-reduction and stewardship projects as a part of our business objectives through 2030. Our oversight process of our business operations requires that we monitor, report, and responsibly manage our water usage to track our progress to meet company and stakeholder expectations. Trane Technologies committed to achieve "Net Water Positive" by 2030 for our business operations in stressed locales. Work is underway to develop regional partnerships, identify and implement water reductions projects for our direct operations, and to realize localized projects that will deliver water program benefits for the watersheds associated with these communities.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	Water related goals are included in our materiality assessment and monitored quarterly. We have a company wide policy for the management of water to realize efficient water use for our direct operations. Recent assessments conclude the water availability in regions classified as water stressed is material for Trane Technologies and our stakeholders. Our oversight process of our business operations requires that we monitor, report, and responsibly manage our water usage to track our progress to meet company and stakeholder expectations. Trane Technologies committed to achieve "Net Water Positive" by 2030 for our business operations in stressed locales. Work is underway to develop regional partnerships, identify and implement water reductions projects for our direct operations, and to realize localized projects that will deliver water program benefits for the watersheds associated with these communities.
Financial planning	Yes, water-related issues are integrated	5-10	Standard expenses for water management (supply and treatment) are included in our business operating costs, which feed our financial forecasts each year. Investments for water projects, specifically at water stressed sites, are considered during the annual planning process. The annual capital approval process requires development of a project specific business case to assess capital requirements, return on investment, sustainability improvements, and other elements. The capital approval process is used for current and future water related projects on our journey to Net Water Positive for our operations in water stressed regions.

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)

5

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

5

Water-related OPEX (+/- % change)

2

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

2

Please explain

Trane Technologies has invested in replacement and enhanced process wastewater pre-treatment systems at key locations. The company has also enhanced wastewater discharge monitoring and testing systems. We expect similar increases for the next reporting period. For the longer term, our operating expenses related to water management system is expected to decrease as we reduce water usage at our operations in water stressed regions

W7.3

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

	Use of climate-related scenario analysis	Comment
Row 1	Yes	

W7.3a

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

No

W7.4

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

Row 1

Does your company use an internal price on water?

No, but we are currently exploring water valuation practices

Please explain

As of our journey to Net Water Positive for business operations in water stressed regions, Trane Technologies is evaluating if an internal water price/tax will benefit our water management programs.

W8. Targets

W8.1

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

	Levels for targets and/or goals	Monitoring at corporate level	Approach to setting and monitoring targets and/or goals
Row 1	Company-wide targets and goals Business level specific targets and/or goals Site/facility specific targets and/or goals	Targets are monitored at the corporate level Goals are monitored at the corporate level	Trane Technologies has a water management strategy to manage water risk across all our facilities lying in water Stressed and non-stressed areas. Since 2015, Trane Technologies has had an annual water goal at water stressed areas to reduce to total water use as absolute by 2 percent compared to the previous year. In 2014, we established a 2020 goal to reduce water used at stressed locales by 25% compared to a 2013 baseline. At the end of 2019 we reduced water use for facilities located in stressed regions by 38% compared to 2013. Trane Technologies has established a new water management goal to become "Net Positive" for water use at our water stressed sites by 2030. This goal is supplement by our 2020 target to reduce internal absolute water use reduction goal of 2% for all manufacturing locations in water stressed areas and to reduce water use by 5% for all locations. Trane Technologies reduced water consumption at stressed locales by 23% for 2020 versus 2019. We also achieved our overall 2020 water use reduction goal by delivering a 5.4% reduction versus 2019. Our long-term goal was established by benchmarking with other comparable manufacturing companies combined with an assessment of water use risk profile utilizing the WRI Aqueduct Water Risk Atlas. Going forward, We set annual water reduction targets across each Strategic Business Unit with localized targets assigned based on the opportunities and risks with specific business operations.

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

Site/facility

Primary motivation

Risk mitigation

Description of target

Trane Technologies has a water management strategy to manage water risk across all our facilities located in water stressed and non-stressed areas. Since 2015, we have had an annual water goal at water stressed areas to reduce to total water use as absolute by 2 percent compared to the previous year. In 2014, we established a 2020 goal to reduce water used at stressed locales by 25% compared to a 2013 baseline. At the end of 2019 we reduced water use for facilities located in stressed regions by 39% compared to 2013. We have set a new goal to operate "net positive" for water usage at stressed locations by 2030. In 2020 we had an internal absolute water use reduction goals vs 2019 usage of 2% for all manufacturing locations in water stressed areas and a reduction goal of 5% for all locations. We have reduced water consumption at stressed locales by 23% for 2020 versus 2019. We also achieved our overall 2020 water use reduction goal by delivering a 5.4% reduction versus 2019.

Quantitative metric

% reduction in total water withdrawals

Baseline year

2013

Start year

2014

Target year

2020

% of target achieved

100

Please explain

At the end of 2020 we reduced water use for facilities located in stressed regions by 23% compared to 2019 and an overall reduction of 39% from 2013 to 2020.

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 (Water withdrawals)

Level

Company-wide

Motivation

Risk mitigation

Description of goal

Operate "net positive" for water usage at stressed locations by 2030. Trane's focus is on our business operations located in areas considered to be "water stressed" based on the high risk/extremely high risk classifications within WRI's Aqueduct Water Risk Tool. We are working to define "Net Positive" with the underlying concept for water supplies/watersheds to receive more water than Trane uses in business operations in these locales. Trane may also explore opportunities for virtual water trading and credits programs. As we start this journey for our new set of 2030 sustainability goals, Trane is finalizing our net water positive definitions, framework and mechanics.

Baseline year

2019

Start year

2020

End year

2030

Progress

Trane Technologies reduced water consumption at stressed locales by 23% for 2020 versus 2019. We also achieved our overall 2020 water use reduction goal by delivering a 5.4% reduction versus 2019. The return water concept may involve a combination of direct reductions in Trane water usage and clean water returns combined with local projects to improve community water supplies and quality. Performance indicators will likely include site/business/company once-use water consumption at operations in water stressed locations and volume of water related to beneficial projects associated with availability increased/volume returned/protected/quality improved for local/regional/company totals at stressed water locations. Success is defined as the volume of water for beneficial projects is higher than the volume of once use water at stressed water locations.

W9. Verification

W9.1

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

Yes

W9.1a

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

Disclosure module	Data verified	Verification standard	Please explain
W1 Current state	Company wide water use	Other, please specify (ISO 14064-3)	Water use verified annually.

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.

	Job title	Corresponding job category
Row 1	President and Chief Executive Officer	Chief Executive Officer (CEO)

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

SW. Supply chain module

SW0.1

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

	Annual revenue
Row 1	12454700000

SW0.2

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

No

SW1.1

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

No facilities were reported in W5.1

SW1.2

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

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	Yes, for all facilities	

SW1.2a

(SW1.2a) Please provide all available geolocation data for your facilities.

Identifier	Latitude	Longitude	Comment
Bari, Italy	41.106819	16.76169	
Charmes, France	48.3828	6.2921	
Golbey, France	48.1993	6.4267	
Monterrey, Mexico	25.706267	-100.145847	
Southampton UK	50.93286	-1.50332	
Taicang R&D Center	31.4471	121.0966	
Bangplee, Thailand	13.5892	100.7061	
Taicang-China	31.4471	121.0966	
Zhongshan-China	22.516	113.3927	
Trenton, NJ-USA	40.242378	-74.719662	
Atlanta, GA-USA	33.63814	-84.5221	
Barcelona-Spain	2.034958	41.390746	
Hastings, NE	40.572069	-98.406774	

SW2.1

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

Requesting member

Alphabet, Inc.

Category of project

Promote river basin collective action

Type of project

Invite customer to collaborate with other users in their river basins to reduce impact

Motivation

In 2019, we announced our 2030 targets which include a goal to be net positive water in water stressed areas. In order to accomplish this we anticipate partnering with third parties such as customers, suppliers, and NGOs.

Estimated timeframe for achieving project

4 to 5 years

Details of project

TBD

Projected outcome

Net positive water in water stressed areas by 2030.

Requesting member

Braskem S/A

Category of project

Promote river basin collective action

Type of project

Invite customer to collaborate with other users in their river basins to reduce impact

Motivation

In 2019, we announced our 2030 targets which include a goal to be net positive water in water stressed areas. In order to accomplish this we anticipate partnering with third parties such as customers, suppliers, and NGOs.

Estimated timeframe for achieving project

4 to 5 years

Details of project

TBD

Projected outcome

Net positive water in water stressed areas by 2030.

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.

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission	Are you ready to submit the additional Supply Chain questions?
I am submitting my response	Investors Customers	Public	Yes, I will submit the Supply Chain questions now

Please confirm below

I have read and accept the applicable Terms