Trane Technologies - Water Security 2023

W0. Introduction

W0.1

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

Trane Technologies is a global climate innovator that brings efficient and sustainable climate solutions to buildings, homes and transportation through our strategic brands Trane® and Thermo King® and an innovative, environmentally responsible portfolio of products and services, and connected intelligent controls. In 2022, we generated $15.992B in revenue primarily through the design, manufacture, sale and service of a diverse portfolio of innovative climate control products and services for Heating, Ventilation and Air Conditioning (HVAC), transport refrigeration and custom refrigeration solutions. We accomplish this through relentless investment in customer-driven product and service innovation to drive market outgrowth and generate powerful free cash flow. Growth is also a result of increasing revenues from services, parts, controls, and rentals and we continue to focus on margin expansion through pricing and improved productivity. Successful execution of these focus areas will allow us to maintain and grow our position as a global climate innovator creating comfortable, sustainable, and efficient environments.

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

The Gigaton Challenge, our pledge to reduce customer carbon emissions by one billion metric tons. This will require reducing emissions from products and services by 55% per cooling ton by 2030, a target that 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 by Example commitment represents our operational goals:

• Achieving carbon neutral operations

• Delivering zero waste to landfills

• Becoming net positive with water use in water-stressed regions

• Reducing absolute energy consumption by 10%, compared to the 2019 baseline

Our Opportunity for All commitment focuses on expanding workforce diversity and creating pathways to green and STEM (Science, Technology, Engineering, and Math) 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

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 2022	December 31 2022

W0.3

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

Brazil
Canada
China
Czechia
France
Germany
Ireland
Italy
Mexico
Puerto Rico
Spain
Sweden
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

W0.7

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

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, an ISIN code	IE00BK9ZQ967
Yes, a Ticker symbol	TT

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 currently foresee a near-term 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 currently foresee a near-term 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	Frequency of measurement	Method of measurement	Please explain
Water withdrawals – total volumes	100%	Monthly	Water withdrawals are measured by incoming water meters.	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 utilizing water meters for incoming water to our facilities. We house the water usage data in our environmental data reporting platform (Benchmark ESGTM). We have established 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	100%	Monthly	Water withdrawals are measured by incoming water meters.	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 utilizing water meters for incoming water to our facilities. We house the water usage data in our environmental data reporting platform (Benchmark ESGTM). 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 and/or coal sector activities - total volumes [only metals and mining and coal sectors]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Water withdrawals quality	Not relevant	<Not Applicable>	<Not Applicable>	Trane Technologies facilities comply with all applicable federal, state, provisional, and local water quality regulations and permits/licenses regarding water withdrawals and wastewater discharges. Water Withdrawals Quality is not relevant for Trane Technologies, and we do not expect this water aspect to be relevant in the future, given routine water withdrawals are received from local water suppliers who manage and treat community water provided to all customers to potable water quality standards per local regulations. As such Trane Technologies does not routinely monitor the quality of incoming water. Trane Technologies maintains awareness of potential impacts to the quality of locally supplied water and will consider monitoring of incoming water quality if water quality is at risk due to global climate change or other factors.
Water discharges – total volumes	100%	Other, please specify (Discharge measurement monitoring varies by location based on the frequency of water discharged. Some locations monitor continuously while other locations monitoring on a batch discharge basis.)	Water discharges are measured utilizing flow meters as required per local regulations.	Trane Technologies considers water quality for both intake and discharge as 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 using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. 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 onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water discharges – volumes by destination	100%	Other, please specify (Discharge measurement monitoring varies by location based on the frequency of water discharged. Some locations monitor continuously while other locations monitoring on a batch discharge basis.)	Water discharges are measured utilizing flow meters as required per local regulations.	Trane Technologies considers water quality for both intake and discharge as 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 using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. 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 onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water discharges – volumes by treatment method	100%	Other, please specify (Discharge measurement monitoring varies by location based on the frequency of water discharged. Some locations monitor continuously while other locations monitoring on a batch discharge basis.)	Water discharges are measured utilizing flow meters as required per local regulations.	Trane Technologies considers water quality for both intake and discharge as 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 using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. 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 onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water discharge quality – by standard effluent parameters	100%	Other, please specify (Measurement frequencies vary by parameter and pre-treatment system type. Frequencies are defined through the discharge issued by the local water authority.)	Effluent parameters are measured using benchtop methods as well as sampling and analytical reference methods promulgated by the federal oversight agencies for the country which our factories operate.	Trane Technologies considers water quality for both intake and discharge as 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 using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. 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 onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	100%	Other, please specify (Measurement frequencies vary by parameter and pre-treatment system type. Frequencies are defined through the discharge issued by the local water authority.)	Where required by local regulations, specific substance monitoring, parameters are measured using benchtop methods as well as sampling and analytical reference methods promulgated by the federal oversight agencies for the country which our factories operate.	Trane Technologies considers water quality for both intake and discharge as 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 using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. 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 onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water discharge quality – temperature	76-99	Other, please specify (The frequency of temperature monitoring varies by the type of wastewater pre-treatment system and the applicable provisions under local regulations.)	Temperature probes.	Trane Technologies considers water quality for both intake and discharge as 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 using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. 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 onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water consumption – total volume	100%	Monthly	Water discharges are measured utilizing flow meters as required per local regulations.	Trane Technologies considers water quality for both intake and discharge as 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 using our environmental data management platform (Benchmark ESGTM). The system's Water Watch module also tracks compliance with environmental permits related to our water discharge limits. 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 onto the community water treatment systems with the final water released back to the environment at the same or higher quality as the withdrawn water.
Water recycled/reused	Not relevant	<Not Applicable>	<Not Applicable>	Because Trane Technologies has limited processes in place for closed loop/water re-use systems, Water Recycled/Reused is not currently relevant, but could become relevant in the future should out processes which use water re-use systems were to increase. Trane Technologies does monitoring the quality of the circulated water for the few operating systems including reverse osmosis and rain water harvesting We are studying options to increase usage of 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	Other, please specify (Management frequency varies by business operation and their specific WASH program.)	Measurement method varies by business operation and their specific WASH program.	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. WASH processes are assessed for each company location by the local staff. The WASH reviews are included as part of the annual water management system effectiveness assessment required per internal company procedures.

W1.2b

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

	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Please explain
Total withdrawals	2450.49	Lower	Increase/decrease in efficiency	Lower	Investment in water-smart technology/process	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 2022 water withdrawals is 15% lower vs 2021. When comparing 2022 water withdrawals against 2019, Trane Technologies water withdrawals is down by 16%. Trane Technologies commits to a 2030 goal to become "Net Positive" for water use at our water stressed sites.
Total discharges	2450.49	Lower	Increase/decrease in efficiency	Lower	Investment in water-smart technology/process	Trane Technologies discharged 8% of total water withdrawn (188 megaliters) as pre-treated process wastewater with this effluent directed to third-party/ community wastewater treatment facilities. The balance of the discharged water (~2,260 megaliters) is non-contact water with a small portion discharged as sanitary wastewater directed to community wastewater treatment facilities. Overall discharges are lower in 2022 vs 2021 by approximately 16%.
Total consumption	0	About the same	Investment in water-smart technology/process	About the same	Investment in water-smart technology/process	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. Trane Technologies does not incorporate water into wastes, crops, or products. We do not store water for controlled or future uses.

W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress, provide the proportion, how it compares with the previous reporting year, and how it is forecasted to change.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Identification tool	Please explain
Row 1	Yes	1-10	Lower	Investment in water-smart technology/process	Lower	Increase/decrease in efficiency	WRI Aqueduct	Since 2011, Trane Technologies has utilized the WRI Aqueduct Water Risk Atlas to identify sites located in areas considered to be water stressed. The Water Risk Atlas incorporates various data sets for the stressed locales definition including the key Aqueduct Global Maps 3.0 data updated August 6, 2019. Trane Technologies completes an annual review of water stressed locations using the Water Risk Atlas. We use the latitudes and longitudes Risk Atlas Upload Template that includes coordinates for our water usage reporting sites. Trane Technologies defines sites as water stressed for any location designated with a "high" risk for any of the four risk categories (Weighted Aggregation Quantity, Weighted Aggregation Quality, Reputational Risk, and the Overall Water Risk). The % of water withdrawals at stressed locations vs total withdrawals is 5% lower for 2022 vs 2021. The % of water withdrawals at stressed locales vs total water withdrawn is down by 22% for 2022 vs 2019. We expect water withdrawals/usage from stressed aquifers to decrease as we continue our efforts to operate as net water positive for operations located in water stressed regions.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Our Monterrey, Mexico manufacturing site began capturing rainwater for onsite use. Monterrey's total water usage accounts for less than 1 percent of total company water withdrawals which is considered negligible and therefore not relevant. No other locations are directly consuming freshwater or harvesting rainwater.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Trane Technologies does not withdraw seawater or brackish surface water.
Groundwater – renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	A small number of Trane Technologies locations have 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% (entire source) vs our total water withdrawals, which is negligible and therefore not relevant.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Trane Technologies locations do not withdrawal groundwater from non-renewable sources. This question is not relevant to our water consumption.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Our business operations do not produce water, nor do our products or processes entrain water. This water source is not applicable to Trane Technologies.
Third party sources	Relevant	2450.49	Lower	Increase/decrease in efficiency	Trane Technologies is predominately supplied water from municipal suppliers. The withdrawal volumes are defined using onsite flow meters or from water suppliers' invoices. Total water withdrawals is lower for 2022 vs 2021, a 15%. The water withdrawals for 2022 vs 2019 is 16.5% lower. 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	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not directly discharged to surface water bodies.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not discharged to surface water bodies.
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Water withdrawn by Trane Technologies is not discharged to groundwater.
Third-party destinations	Relevant	2450.49	Lower	Increase/decrease in efficiency	This is relevant because water withdrawn by Trane Technologies is returned to local municipal water suppliers. When comparing to the 2021, our water discharged decreased in 2022 by 15%. Our 2022 discharge compared to 2019 is down by 16.5%.

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	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant	162.42	Lower	Increase/decrease in efficiency	21-30	A number of Trane Technologies' manufacturing locations phosphatize metal substrates prior to surface coating. Process wastewater is collected and treated using muti-stage operations to remove solids, metals, and other regulated parameters. The treatment standards are defined by a combination of federal and local regulatory standards. The pre-treated water is discharged to the community wastewater treatment system.
Secondary treatment	Relevant	25.28	Lower	Increase/decrease in efficiency	21-30	Trane Technologies also utilizes pre-treatment systems to remove organics or other general solids to meet regulatory standards. These permitted units discharge the treated water onto the community wastewater treatment systems. Our secondary treatment systems are required per local regulations and our designed to ensure water is continuously pre-treated to the applicable regulatory standards.
Primary treatment only	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Trane Technologies also treats plant wastewater using simple oil/water type systems prior to the water release to the community wastewater treatment system. In 2022, Trane Technologies discharged 0.2 megaliters of wastewater with primary treatment. This pretreatment is completed to meet general discharge standards under local/city ordinances. This level of treatment is prescribed per local water ordinance. Trane Technologies operated during 2022 with full compliance of these local requirements (regulatory standards).
Discharge to the natural environment without treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Trane Technologies does not discharge water to the natural environment.
Discharge to a third party without treatment	Relevant	2262.87	Lower	Increase/decrease in efficiency	31-40	Only a small portion of water used by Trane Technologies requires treatment with regard to regulatory standards. During 2022, 92% of water withdrawn is used for non-industrial purposes and is discharged to a third party without treatment.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	We have no other form of treatment.

W1.2k

(W1.2k) Provide details of your organization's emissions of nitrates, phosphates, pesticides, and other priority substances to water in the reporting year.

	Emissions to water in the reporting year (metric tonnes)	Category(ies) of substances included	List the specific substances included	Please explain
Row 1	1.89	Nitrates Phosphates Priority substances listed under the EU Water Framework Directive	Trane Technologies locations with tertiary pre-treatment systems are limited or potentially on discharges of nitrates/nitrogen species, phosphates/phosphorous compounds, Cadmium, Lead, and polyaromatic hydrocarbons.	The total mass of materials discharged is calculated using the tertiary wastewater discharge volumes and the associated discharge concentration of the substances described. The general calculation for mass discharged is Mass per Year = Annual Discharge Volume (liters/year) X Species Discharge Concentration (mg/L). The individual masses for each species are summed to estimate the total mass discharged. Milligrams are converted to metric tons by dividing by 1,000,000,000.

W1.3

(W1.3) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue	Total water withdrawal volume (megaliters)	Total water withdrawal efficiency	Anticipated forward trend
Row 1	15992	2450.68	6.52553576966393	Revenue is in units of millions of U.S. dollars. Trane Technologies anticipates improvement in 2023 for our water withdrawal efficiency. A key closed loop project is underway that will reduce the full year total water by over 200 million gallons.

W1.4

(W1.4) Do any of your products contain substances classified as hazardous by a regulatory authority?

	Products contain hazardous substances	Comment
Row 1	Unknown	

W1.5

(W1.5) Do you engage with your value chain on water-related issues?

	Engagement	Primary reason for no engagement	Please explain
Suppliers	Yes	<Not Applicable>	<Not Applicable>
Other value chain partners (e.g., customers)	No	Important but not an immediate business priority	We are not a large consumer of water nor are our products/ services.

W1.5a

(W1.5a) Do you assess your suppliers according to their impact on water security?

Row 1

Assessment of supplier impact
Yes, we assess the impact of our suppliers

Considered in assessment
Basin status (e.g., water stress or access to WASH services)

Number of suppliers identified as having a substantive impact
0

% of total suppliers identified as having a substantive impact
None

Please explain
We request suppliers to share if they are located within an area of high-water stress as part of our On-Site Assessment (OSA) process. We use our OSA) audits to evaluate sustainability risk on a supplier-site-specific basis. In 2022, we added a new category to our OSA: supply chain assessment. Suppliers will be evaluated on risks associated with how they manage multi-level Tier 2 sourcing, demand planning, and factory support planning.
Approximately 28% of the OSA focuses on ESG-related topics. Our engineers complete and review these audits on a rolling basis, and every 3 years, we evaluate approximately 1,200 of our existing suppliers through an OSA. We evaluate all new direct material suppliers using an OSA; suppliers must receive a minimum score of 80% to do business with us. In 2022, 374 suppliers, making up about 32% of our direct material spend, were evaluated. None were identified as having significant actual or potential negative environmental or social impacts.

W1.5b

(W1.5b) Do your suppliers have to meet water-related requirements as part of your organization's purchasing process?

	Suppliers have to meet specific water-related requirements	Comment
Row 1	Yes, suppliers have to meet water-related requirements, but they are not included in our supplier contracts	<Not Applicable>

W1.5c

(W1.5c) Provide details of the water-related requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.

Water-related requirement
Setting and monitoring water withdrawal reduction targets

% of suppliers with a substantive impact required to comply with this water-related requirement
51-75

% of suppliers with a substantive impact in compliance with this water-related requirement
51-75

Mechanisms for monitoring compliance with this water-related requirement
Supplier self-assessment

Response to supplier non-compliance with this water-related requirement
Retain and engage

Comment
For 2022, 100% of our Preferred Supplier Base was in-scope for this engagement, 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. Preferred suppliers must meet several criteria in order to keep their status, like reporting on requested sustainability metrics annually, like water usage.
We chose this grouping of suppliers because this offers full category coverage, meaning key suppliers from each sourcing category are representing in the Preferred Supplier program for both direct and indirect suppliers. This engagement includes 60% of our global procurement expenditure and spanned across all our regions of operation. Therefore, by engaging with the suppliers in the preferred supplier program it ensures the impact of this initiative for both us and our suppliers is maximized.

W1.5d

(W1.5d) Provide details of any other water-related supplier engagement activity.

Type of engagement
No other supplier engagements

Details of engagement
<Not Applicable>

% of suppliers by number
<Not Applicable>

% of suppliers with a substantive impact
<Not Applicable>

Rationale for your engagement

Impact of the engagement and measures of success
<Not Applicable>

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?

	Water-related regulatory violations	Fines, enforcement orders, and/or other penalties	Comment
Row 1	No	<Not Applicable>	Trane Technologies was not subject to any fines or penalties for water-related violations during the reporting year.

W3. Procedures

W3.1

(W3.1) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?

	Identification and classification of potential water pollutants	How potential water pollutants are identified and classified	Please explain
Row 1	Yes, we identify and classify our potential water pollutants	Water pollutants of concern are identified as part of our wastewater discharge permitting process that is completed with local water authorities. We adopt and integrate pre-treatment and work practices to ensure our discharged effluent is compliant with the standards adopted for the parameters of concern.	<Not Applicable>

W3.1a

(W3.1a) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Water pollutant category
Inorganic pollutants

Description of water pollutant and potential impacts
Our manufacturing facilities with tertiary wastewater pre-treatment systems are permitted with the local water authorities for discharges of low concentrations of inorganic metals. The pre-treatment systems remove most of the metals from the process influent. The treated water/effluent is discharged to the community wastewater treatment system for final treatment. Trane Technologies does not discharge pre-treated wastewater directly to receiving water bodies. The potential for environmental impact for discharged inorganic materials is very low.

Value chain stage
Direct operations

Actions and procedures to minimize adverse impacts

Beyond compliance with regulatory requirements
Industrial and chemical accidents prevention, preparedness, and response

Please explain
Trane Technologies operates all pre-treatment equipment above and beyond the regulatory standards. We utilize an internal discharge limit of 50% of the regulatory limit to ensure that we minimize the concentration of all regulated materials. We further have moved to utilized of batch treatment equipment for most locations that allows us to confirm every batch of treated water is within the internal/50% lower discharge limit.

Water pollutant category
Oil

Description of water pollutant and potential impacts
Our manufacturing facilities that generate process wastewater have the potential to discharge oily materials. We utilize both permitted and voluntary pre-treatment systems to remove oil before effluent is released to the community wastewater treatment system for final treatment. Trane Technologies does not discharge pre-treated wastewater directly to receiving water bodies. The potential for environmental impact from discharged oily materials is expected to be very low.

Value chain stage
Direct operations

Actions and procedures to minimize adverse impacts
Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience
Resource recovery
Beyond compliance with regulatory requirements
Industrial and chemical accidents prevention, preparedness, and response

Please explain
Trane Technologies operates all pre-treatment equipment above and beyond the regulatory standards. We utilize an internal discharge limit of 50% of the regulatory limit to ensure that we minimize the concentration of all regulated materials. We further have moved to utilizing batch treatment equipment for most locations that allows us to confirm that every batch of treated water is within the internal/50% lower discharge limit. Our locations also utilize oil spill and prevention measures (e.g., containment, good housekeeping, emergency response, etc.) to avoid oily materials impacting water.

Water pollutant category
Nitrates

Description of water pollutant and potential impacts
Our factories with permitted wastewater pre-treatment systems have in some cases discharge limits assigned for nitrogen/nitrate species. Our monitoring indicates discharges are very low or below detectable levels for nitrogen related species. The pre-treatment systems discharged to the community wastewater treatment system for final treatment. Trane Technologies does not discharge pre-treated wastewater directly to receiving water bodies. The potential for environmental impact for discharged nitrates is very low.

Value chain stage
Direct operations

Actions and procedures to minimize adverse impacts
Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience
Beyond compliance with regulatory requirements
Industrial and chemical accidents prevention, preparedness, and response

Please explain
Our operations are not a source of nitrogen related water contaminates.

Water pollutant category
Phosphates

Description of water pollutant and potential impacts
In some cases, Trane Technologies completes zinc phosphatizing to prepare water parts for painting. These locations all utilize tertiary pre-treatment systems that are permitted with the local water authorities for discharges of low concentrations of phosphates/phosphorous species. The pre-treatment systems remove most of the phosphates from the process influent. The treated water/effluent is discharged to the community wastewater treatment system for final treatment. Trane Technologies does not discharge pre-treated wastewater directly to receiving water bodies. The potential for environmental impact for discharged phosphorous related materials is very low.

Value chain stage
Direct operations

Actions and procedures to minimize adverse impacts
Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience
Beyond compliance with regulatory requirements
Industrial and chemical accidents prevention, preparedness, and response

Please explain
Trane Technologies operates all pre-treatment equipment above and beyond the regulatory requirements. We utilize an internal discharge limit of 50% of the regulatory limit to ensure that we minimize the concentration of all regulated materials. We further have moved to utilized of batch treatment equipment for most locations that allows us to confirm every batch of treated water is within the internal/50% lower discharge limit.

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?
Yes, water-related risks are assessed

W3.3a

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

Value chain stage
Direct operations

Coverage
Full

Risk assessment procedure
Water risks are assessed as a standalone issue

Frequency of assessment
Annually

How far into the future are risks considered?
3 to 6 years

Type of tools and methods used
Tools on the market

Tools and methods used
WRI Aqueduct

Contextual issues considered
Water availability at a basin/catchment level
Water quality at a basin/catchment level
Stakeholder conflicts concerning water resources at a basin/catchment level
Water regulatory frameworks
Status of ecosystems and habitats
Access to fully-functioning, safely managed WASH services for all employees

Stakeholders considered
Customers
Employees
Investors
Local communities
Regulators
Water utilities at a local level

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 “water 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.

Our water management practices and risk assessment considers the structure and framework under local water protection regulations applicable to Trane Technologies business practices These overlying obligations combined with the local aquifers/water supplies defined with the Aqueduct tool assessment focuses Trane Technologies' efforts to become net water positive for our operations in water stressed regions. Our key stakeholders are the local communities, shareholders/investors, and our employees. Given our product offers do not require signification water to operate, our customers benefit from use of Trane Technologies products to minimize local water usage.

Value chain stage
Supply chain

Coverage
Full

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

Frequency of assessment
Annually

How far into the future are risks considered?
3 to 6 years

Type of tools and methods used
Databases
Other

Tools and methods used
Internal company methods

Contextual issues considered
Implications of water on your key commodities/raw materials

Stakeholders considered
Suppliers

Comment
For our value chain assessment, our focus is on suppliers. Our supplier onsite assessment requires our suppliers to identify whether their facility is located in an area of medium high or greater water stress. Our procurement engineers can flag risk areas associated with water availability in our supply chain through the onsite assessment. We also request preferred suppliers to disclose their water usage on an annual basis via our data collection platform.

W3.3b

(W3.3b) Describe your organization's process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.

	Rationale for approach to risk assessment	Explanation of contextual issues considered	Explanation of stakeholders considered	Decision-making process for risk response
Row 1	Trane Technologies annually conducts a risk assessment through the WRI Aqueduct tool and WBCSD tool for all plant locations and has identified the facilities with potential water related risk in the next ten years. Our focus has been on those determined to "water 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 Benchmark ESG TM. 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. Our key stakeholders are the local communities, shareholders/investors, and our employees. Given our product offers do not require signification water to operate, our customers benefit from use of Trane Technologies products to minimize local water usage.	Issues considered include: water stress, water use in lifecycle of products, water use and discharge, and supplier location in relation to water stressed regions.	Our water risk approach includes our own operations plus suppliers upstream and customers downstream.	Those sites identified as high risk are put into a different management category and are therefore included under the umbrella of our 2030 commitment to be Net positive water in water stressed locations.

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 2022, Trane Technologies reduced water consumption at stressed locales by 22% compared to our 2019. We also achieved our overall 2022 water use reduction goal by reducing total water withdrawals by 15% versus 2021 and by nearly 17% 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. For example, our products are heavy users of energy sources and refrigerants therefore we have dedicated risk mitigation focused on that, but majority of our products do not require water to operate. 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. We requested suppliers to disclose if they were located in water-stressed regions and found that a vast majority of our supply base is not. 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, compared to energy which is about 30% of our operating cost. 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 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 the scope (including value chain stages) covered by the policy Commitment to prevent, minimize, and control pollution Commitment to reduce water withdrawal and/or consumption volumes in direct operations Reference to company water-related targets	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 Chair and 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 or committee	Responsibilities for water-related issues
Director on board	The Board of Directors 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 a 2019 baseline which includes annual targets. Progress on sustainability commitments is publicly reported at least annually in the ESG report. In 2020, the Board of Directors approved a 2030 net positive water commitment and monitors progress towards that goal. Sustainability, including water reduction commitments, are overseen by our Sustainability, Corporate Governance and Nominating Committee of the Board (the "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 CTO is 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 meets at least annually to evaluate the company's sustainability (water included) performance and is informed regularly by the company's CTO. 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

W6.2d

(W6.2d) Does your organization have at least one board member with competence on water-related issues?

	Board member(s) have competence on water-related issues	Criteria used to assess competence of board member(s) on water-related issues	Primary reason for no board-level competence on water-related issues	Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future
Row 1	Yes	The Sustainability, Corporate Governance and Nominating Committee considers the skills, expertise and background of our board members and potential board members and looks for skills, expertise and background that complement the existing Board and ensures that its members are of sufficiently diverse and independent backgrounds recognizing that the Company's businesses and operations are diverse and global in nature. Our annual skills matrix is disclosed in our proxy statement and ESG / Sustainability is one of those skills identified in the matrix. For example, Dr. Jared Cohon, who served as Carnegie Mellon University's (CMU) former president and professor of Civil and Environmental Engineering & Engineering and Public Policy, has been a devoted catalyst for CMU's sustainability research, has been on our board for a number of years and also leads our board committee on Technology & Innovation.	<Not Applicable>	<Not Applicable>

W6.3

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

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

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

Water-related responsibilities of this position

Managing water-related risks and opportunities
Setting water-related corporate targets
Monitoring progress against water-related corporate targets

Frequency of reporting to the board on water-related issues

Annually

Please explain

The EVP and Chief Technology and Sustainability Officer (CTO) 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	Contribution of incentives to the achievement of your organization's water commitments	Please explain
Monetary reward	No one is entitled to these incentives	<Not Applicable>	<Not Applicable>	No monetary awards are linked to water commitments.
Non-monetary reward	Corporate executive team Chief Executive Officer (CEO) Chief Financial Officer (CFO) Chief Sustainability Officer (CSO) Other, please specify (Business Leadership Teams)	Please select	Organization cascades goals from Chair and 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.	Non-monetary awards are linked to water commitments.

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)

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 Technologies conducts a full materiality assessment every three years and most recently conducted a materiality assessment in 2022. 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 operations. Recent assessments conclude the water availability in regions classified as water stressed is material for Trane Technologies and our stakeholders. The 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 waster 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)
10

Anticipated forward trend for CAPEX (+/- % change)
5

Water-related OPEX (+/- % change)
10

Anticipated forward trend for OPEX (+/- % change)
0

Please explain
Trane Technologies completed a portion of the expected water treatment or closed loop water recirculation projects in 2022. We expect to continue investment in water management systems including equipment at a new greenfield factory where construction began in 2023. We are also assessing investments in enhancements at locations acquired in late 2022. We expect our longer range spend on OPEX to decrease as we continue to reduce our water use. In addition, Trane Technologies is assessing additional projects for rainwater capture and reuse as well as other closed loop process water systems.

W7.3

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

	Use of scenario analysis	Comment
Row 1	Yes	We utilize the World Resource Institute (WRI) Aqueduct Water Risk Atlas to identify and designate sites that score high for water stress over a medium to long term frame. We track monthly water use through the Benchmark ESG™ EHS management system and use the WaterWatch™ tool to execute water risk management. We consider physical risk quality and quantity, as well as regulatory and reputational risk. Some of our manufacturing sites are considered to be in areas designed as of medium-high to high water stress according to the Atlas tool. For these sites we have instituted a net positive water commitment by 2030. In addition, we have enterprise water management policies for water supply management, storm water management and wastewater discharge management. Planning for an extreme weather event, and other crises, is consistent with our core corporate values.

W7.3a

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

	Type of scenario analysis used	Parameters, assumptions, analytical choices	Description of possible water-related outcomes	Influence on business strategy
Row 1	Water-related	We utilize the World Resource Institute (WRI) Aqueduct Water Risk Atlas to identify and designate sites that score high for water stress over a medium to long term frame.	We consider physical risk quality and quantity, as well as regulatory and reputational risk. Some of our manufacturing sites are considered to be in areas of high water stress. In the event water quality or availability is deteriorating, our operations teams would engage to assess the impact on business operations and implement mitigations to prevent an adverse outcome.	For sites with a high water stress, we have implemented a 2030 goal for those sites to operate as net-positive water and have implemented annual reduction targets. We monitor the water health and water supply for locations that require water for manufacturing purposes. Trane Technologies will evaluate water usage reduction measures/enhanced closed loop systems where water conditions present a business risk.

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.

W7.5

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

	Products and/or services classified as low water impact	Definition used to classify low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	Yes	Water usage as compared to a baseline unit or alternative equipment	<Not Applicable>	We are currently undergoing EPDs for specific product lines which will provide more insight on the quantification of water impact.

W8. Targets

W8.1

(W8.1) Do you have any water-related targets?

Yes

W8.1a

(W8.1a) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.

	Target set in this category	Please explain
Water pollution	No, but we plan to within the next two years	Trane Technologies is evaluating the update elements in our EHS Policy to include in a new standalone Water Management Policy. The update is expected to include new elements related to water pollution prevention.
Water withdrawals	Yes	<Not Applicable>
Water, Sanitation, and Hygiene (WASH) services	No, but we plan to within the next two years	Trane Technologies is evaluating the update elements in our EHS Policy to include in a new standalone Water Management Policy. The update may include WASH program aspects.
Other	Yes	<Not Applicable>

W8.1b

(W8.1b) Provide details of your water-related targets and the progress made.

Target reference number

Target 1

Category of target

Water withdrawals

Target coverage

Site/facility

Quantitative metric

Other, please specify (Operate at net water positive for Trane Technologies facilities located in water stressed regions.)

Year target was set

2020

Base year

2019

Base year figure

80.46

Target year

2030

Target year figure

0

Reporting year figure

62.83

% of target achieved relative to base year

21.9115088242605

Target status in reporting year

Underway

Please explain

At the end of 2022 , we reduced water use for facilities located in stressed regions by 22% compared to 2019.

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, ISAE 3000, & ISAE 3410.)	Water use verified annually by a third-party, external consultant.

W10. Plastics

W10.1

(W10.1) Have you mapped where in your value chain plastics are used and/or produced?

	Plastics mapping	Value chain stage	Please explain
Row 1	Not mapped – but we plan to within the next two years	<Not Applicable>	We do not produce plastics and we are not a heavy procurer of plastics so it will be part of our category strategy for supply chain sustainability.

W10.2

(W10.2) Across your value chain, have you assessed the potential environmental and human health impacts of your use and/or production of plastics?

	Impact assessment	Value chain stage	Please explain
Row 1	Not assessed – but we plan to within the next two years	<Not Applicable>	We do not produce plastics and we are not a heavy procurer of plastics so it will be part of our category strategy for supply chain sustainability.

W10.3

(W10.3) Across your value chain, are you exposed to plastics-related risks with the potential to have a substantive financial or strategic impact on your business? If so, provide details.

	Risk exposure	Value chain stage	Type of risk	Please explain
Row 1	Not assessed – and we do not plan to within the next two years	<Not Applicable>	<Not Applicable>	We do not produce plastics and we are not a heavy procurer of plastics so it will be part of our category strategy for supply chain sustainability.

W10.4

(W10.4) Do you have plastics-related targets, and if so what type?

	Targets in place	Target type	Target metric	Please explain
Row 1	No – and we do not plan to within the next two years	<Not Applicable>	<Not Applicable>	We do not produce plastics and we are not a heavy procurer of plastics so it will be part of our category strategy for supply chain sustainability.

W10.5

(W10.5) Indicate whether your organization engages in the following activities.

	Activity applies	Comment
Production of plastic polymers	No	Trane Technologies does not produce plastic polymers.
Production of durable plastic components	No	Trane Technologies does not produce durable plastic components.
Production / commercialization of durable plastic goods (including mixed materials)	No	Trane Technologies does not produce or commercialize plastic goods.
Production / commercialization of plastic packaging	No	Trane Technologies does not produce or commercialize plastic packaging.
Production of goods packaged in plastics	No	Trane Technologies does not utilize plastic packaging where the plastic is 50% or more of the total packaging weight.
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	No	Trane Technologies does not provision or commercial services or goods that use plastic packaging.

W11. Sign off

W-FI

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

Our responses to this questionnaire contain certain forward-looking statements, which are statements that are not historical facts, including statements regarding our sustainability commitments; our water resource management projects and commitments; our 2030 Commitments; our other ESG targets, goals, commitments, and programs; and other business plans, projections, initiatives, and objectives.

These forward-looking statements are based on our current expectations and are subject to risks and uncertainties, which may cause actual results to differ materially from our current expectations. These forward-looking statements generally are identified by the words “believe,” “project,” “expect,” “anticipate,” “assume,” “estimate,” “forecast,” “outlook,” “intend,” “strategy,” “plan,” “may,” “could,” “should,” “will,” “would,” “will be,” “will continue,” “will likely result,” or the negative thereof or variations thereon, or similar terminology generally intended to identify forward-looking statements.

All such statements are intended to enjoy the protection of the safe harbor for forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended. Our actual future results, including the achievement of our targets, goals, or commitments, could differ materially from our projected results because of changes in circumstances, assumptions not being realized, or other risks, uncertainties, and factors. Such risks, uncertainties, and factors include the risk factors discussed in Item 1A of our most recent Annual Report on Form 10-K and subsequent quarterly reports on Form 10-Q filed with the SEC. We urge you to consider all the risks, uncertainties, and factors identified above or discussed in such reports carefully in evaluating the forward-looking statements in this questionnaire.

In some instances, our responses to this questionnaire may contain projections, estimates, forecasts, and similar forward-looking information based on scenarios or assumptions presented by the questionnaire or instructions provided in conjunction with the questionnaire. The anticipated outcomes provided in our response in this questionnaire are based solely on the assumptions that have been provided by the questionnaire, and actual results or outcomes could materially differ due to factors outside of the scope of these assumptions. This information should not be relied upon as a statement of, or revision to, any forward-looking guidance provided by the Company in conjunction with its SEC filings, and we disclaim any obligation to update any information provided in this questionnaire.

W11.1

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

	Job title	Corresponding job category
Row 1	Chair and CEO	Board chair

SW. Supply chain module

SW0.1

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

	Annual revenue
Row 1	15991700000

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	No, not currently but we intend to provide it within the next two years	

SW2.1

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

SW2.2

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

No

SW3.1

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

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

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

Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.

Yes, CDP may share our Main User contact details with the Pacific Institute

Please confirm below

I have read and accept the applicable Terms