Raytheon Technologies Corporation - Water Security 2023

W0. Introduction

W0.1

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

RTX is the world's largest aerospace and defense company. Our global team of employees pushes the limits of known science and redefines how we connect and protect our world. We are advancing aviation, building smarter defense systems and creating innovations to take us deeper into space. In 2022 the company had sales of $67 billion and 182,000 employees. It is headquartered in Arlington, Virginia, U.S.A. In 2022 the company was comprised of four principal business segments: Collins Aerospace (Collins), Pratt & Whitney, Raytheon Intelligence & Space (RI&S) and Raytheon Missiles & Defense (RMD). Collins Aerospace specializes in sustainable and cost-effective materials, advanced avionics, connected data networks, comfort-driven cabin equipment, connected mission systems and electrified power and control systems for the aerospace and defense industry. Pratt & Whitney designs, manufactures and services the world's most advanced aircraft engines and auxiliary power systems for commercial, military and business aircraft. Raytheon Intelligence & Space develops advanced sensors, cyber services and software solutions- delivering the disruptive technologies customers need to succeed in any domain, against any challenge. Raytheon Missiles & Defense provides the industry's most advanced end-to-end solutions to detect, track and engage threats.

In July 2023, the company announced a change in its branding name from "Raytheon Technologies" to "RTX." This reflects our evolution as a company by marking a key milestone in the company's growth. It also coincides with a business realignment from four business units to three to better deliver on our customers' priorities, capitalize on the full power of our product and technology synergies, and leverage our scale to improve cost structure and overall competitiveness. For the purposes of this questionnaire, we refer to the four business units that existed in 2022.

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	December 1 2021	November 30 2022

W0.3

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

Brazil
Canada
China
France
Germany
Hong Kong SAR, China
India
Indonesia
Ireland
Israel
Italy
Malaysia
Mexico
Morocco
Netherlands
New Zealand
Philippines
Poland
Puerto Rico
Russian Federation
Singapore
Spain
Turkey
United Arab Emirates
United Kingdom of Great Britain and Northern Ireland
United States of America

The countries listed represent greater than 99% of RTX water use.

W0.4

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

USD

W0.5

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

Companies, entities or groups over which operational control is exercised

W0.6

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

Yes

W0.6a

(W0.6a) Please report the exclusions.

Exclusion	Please explain
RTX does not track water in-flow at non-manufacturing sites that use less than 1 million gallons of water a year or that do not have the ability to measure water such as leased building space where RTX is one of many tenants in a larger facility or campus.	RTX collects water data from manufacturing sites and all other sites with the ability to measure their water (through meters, water supply invoices, engineering calculations), and that have an inflow of 1 million gallons or more per year (including city water, well/other water, and recycled water). RTX does not collect, or report water related data and information from administrative and warehouse buildings where water consumption is less than one million gallons annually. RTX estimated from the known square footage that the total amount of water used at non-reporting facilities represented less than 4% of RTX water use in 2022.

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	US75513E1010

W1. Current state

W1.1

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

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Vital	Vital	RTX facilities must have sufficient amounts of good quality fresh water for direct use in building operations, manufacturing processes, cafeteria operations and for human consumption. RTX manufactures many technologically complex products, including, jet engines, radar and guidance systems, state of the art military products, and complex aerospace components. The manufacture of aviation related electronics parts and products, processing and treatment of metal parts, product coating, equipment and facilities cooling, sanitation and hygiene, fire suppression and grounds maintenance requires immediate access to good quality fresh water. Our finished parts are designed and manufactured with materials, parts and components from thousands of suppliers, many of whom have an equal or even a more critical need for sufficient amounts of good quality fresh water. We selected "vital" ranking for both the direct and indirect use as it is important to RTX that our suppliers' employees and operations have access to good quality freshwater. We do not anticipate that our dependence on good quality freshwater will change significantly in the future for our direct or indirect operations, because we are not planning any major changes to the way we conduct our business with regards to our water uses.
Sufficient amounts of recycled, brackish and/or produced water available for use	Not very important	Not very important	We selected "Not very important" for direct use as only a few of our sites are purchasing or using gray water from municipalities or utilities. Other sites are exploring the opportunity to use recycled water. RTX encourages sites to evaluate opportunities to use recycled or other gray water sources as evidenced in our Water Best Management Practice. Our Best management Practice "Green water Gemba Process" states "Ongoing (minimum quarterly) Green water Gemba walks that identify and document water related tasks (e.g., deficiencies in processes, equipment, etc.) and opportunities for water use elimination, reduction and recycling and opportunities for improvement". We selected "Not very important" ranking for our indirect use importance rating because we do not believe this is a significant water aspect for our value chain.

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	76-99	Monthly	RTX sites use water utility invoices to measure total volumes of water withdrawals. Some sites have influent water meters to measure the volume of incoming water. RTX requires monthly reporting of all utility data either by site personnel or a third-party utility bill management company except where invoices are received quarterly.	RTX's Environmental Reporting Standard Work requires monthly reporting of water withdrawal volumes. Site water withdrawals are reported into a centralized data management system.
Water withdrawals – volumes by source	76-99	Monthly	RTX sites use water utility invoices to measure total volumes of water withdrawals. Some sites have influent water meters to measure the volume of incoming water. RTX requires monthly reporting of all utility data either by site personnel or a third-party utility bill management company except where invoices are received quarterly.	RTX requires monthly reporting of all utility data either by site personnel or a third-party utility bill management company except where invoices are received quarterly. Site water withdrawals are reported into a centralized data management system where the sources are categorized as municipal, recycled, and well and other. Sites with an annual intake of 1 million gallons of water or more must have a water balance document, drawing or table that identifies water-in sources such as municipal, recycled, and well and other and the amount of incoming water from each source.
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	76-99	Monthly	Most water withdrawn for RTX facilities comes from third-party municipal sources. It is the responsibility of these vendors to ensure that water delivered meets appropriate quality standards.	Most water withdrawn for RTX facilities comes from third-party municipal sources. It is the responsibility of these vendors to ensure that water delivered meets appropriate quality standards. As such, there is generally no need for RTX to conduct a secondary water quality analysis. We do not anticipate that the future relevance of water withdrawals quality will change for our business. For some processes where water quality is a critical consideration, such as electronics product manufacturing, water withdrawal quality is continuously monitored.
Water discharges – total volumes	26-50	Monthly	Discharge quantities are either actual or estimated. Sites report actuals if they have access to discharge invoices or metering data. The remaining water discharges are estimated based upon the water discharge data from the sites that reported both water withdrawals and water discharges into a central EH&S database. The reported and estimated water discharges volumes are combined in an effort to fully understand our water discharges volumes.	RTX collects monthly water discharge data from available sources such as invoices or discharge meters. Water discharge volumes for sites without discharge water meters or invoices are estimated using the percentage data of water discharges to water withdrawals from sites that report both.
Water discharges – volumes by destination	26-50	Monthly	Sites disclose their discharge locations in their monthly water metrics as either "Discharged to Municipal Sewers or other Treatment Systems" or "Discharged to the Environment".	Most water is discharged to third-party municipal vendors. Water discharge volumes are either actuals or estimates. Sites report actual water discharge volumes by destination if they have access to discharge invoices or metering data. In many instances sites will monitor and report all wastewater discharges by destination or receiving body as part of regulatory permit requirements. The remaining water withdrawal discharges without invoices or metering data are estimated and not allocated by discharge destination.
Water discharges – volumes by treatment method	Not monitored	<Not Applicable>	<Not Applicable>	Most water that is discharged does not need to be treated onsite and is discharged to a municipal sewer system, which does perform some level of treatment. Some of the water that RTX discharges is first treated onsite in a wastewater treatment plant before being discharged externally. The treatment method is governed by the regulatory wastewater treatment permit. RTX does not collect water discharge volumes by treatment method in a central location
Water discharge quality – by standard effluent parameters	Not monitored	<Not Applicable>	<Not Applicable>	Some of the water that RTX discharges is first treated onsite in a wastewater treatment plant before being discharged externally. The discharge is monitored for various effluent parameters that are specified in the regulatory wastewater treatment permit as are the specified frequencies. RTX does not measure the proportion of total water discharges that are sampled by effluent parameters in a central location.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	Not monitored	<Not Applicable>	<Not Applicable>	Some of the water that RTX discharges is first treated onsite in a wastewater treatment plant before being discharged externally. The discharge is monitored for various parameters that are specified in the regulatory wastewater treatment permit as are the specified frequencies. RTX does not measure the proportion of total water discharges that are sampled by emissions parameters in a central location.
Water discharge quality – temperature	Not monitored	<Not Applicable>	<Not Applicable>	Some of the water that RTX discharges is first treated onsite in a wastewater treatment plant before being discharged externally. The discharge is monitored for various parameters that are specified in the regulatory wastewater treatment permit as are the specified frequencies. RTX does not measure the proportion of total water discharges that are sampled by temperature in a central location.

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water consumption – total volume	76-99	Monthly	RTX calculates water consumption data as the difference between water withdrawals where we have almost 100% reporting participation rate and water discharges. At the manufacturing locations that do not have the ability to track and report discharge data, we use the RTX average from the sites that do report discharge data to estimate total water discharges from our facilities.	RTX calculates its water consumption of total volume by subtracting Estimated Total Water Discharges from verified Total Water Withdrawals. RTX sites use water utility invoices to measure total volumes of water withdrawals. Some sites have influent water meters to measure the volume of incoming water. RTX requires monthly reporting of all utility data either by site personnel or a third-party utility bill management company except where invoices are received quarterly. Site water withdrawals are reported into a centralized data management system. Discharge quantities are either actual or estimated. Sites report actuals if they have access to discharge invoices or metering data. The remaining water discharges are estimated based upon the water discharges data from the sites that reported both water withdrawals and water discharges.
Water recycled/reused	Not monitored	<Not Applicable>	<Not Applicable>	Some RTX sites regularly recycle water from certain processes such as rinse tanks where the water from the tertiary rinse tank is reused in the secondary rinse tank and then in the primary rinse tank until the maximum allowable concentration levels in the rinse water are met. Another common practice at some sites is to use gray water from some processes as make-up for cooling tower applications. Water recycled in this, and other processes are not measured at the corporate level.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Other, please specify (Compliance with WASH services and other standards is assessed through the RTX compliance and assurance review process. This water aspect is monitored as frequently as necessary using methods required by law)	All RTX locations world-wide are required to maintain fully functioning WASH services in compliance with all laws and regulations. The provision of these services is required in most cases by local regulation and in all cases by mandatory RTX health and safety standards. Compliance with these and other standards is assessed through the RTX compliance and assurance review process.	All RTX locations world-wide are required to maintain fully functioning, Water, Sanitation, and Hygiene - ("WASH") services. The provision of these services is required both by local regulation (in most cases) and in all cases by mandatory RTX health and safety standards. Adherence to the more-strict requirement is mandatory. RTX maintains full compliance with all laws and regulations wherever we operate.

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	6259	Higher	Increase/decrease in business activity	Lower	Increase/decrease in efficiency	Water withdrawals in 2022 were 10% higher than 2021 and 15% less than our 2019 baseline. Our water consumption increases in 2022 were due to the continued recovery of the commercial aviation sector from the pandemic. We anticipate that the reductions from 2019 will erode as travel increases and the aviation industry fully recovers from the pandemic. We will continue to monitor our progress against our 2025 goal. We expect our five-year discharge volume will be lower as we are focused on sustainable design and construction practices as demonstrated in our recently opened Collins India Operations Center in Bengaluru, India, and our Pratt & Whitney Global Engineering and Technology Center (GETC) in Asheville, North Carolina. The GETC has been certified with the U.S. Green Building Council (USGBC) Platinum Rating for integrating solar power capabilities, zero water discharge and other features. The Collins India Operations Center received the USGBC Silver certification and Indian Green Building Council (IGBC) Silver rating with optimized energy performance and water efficiency features.
Total discharges	3297	Higher	Increase/decrease in business activity	Lower	Increase/decrease in efficiency	Water discharges in 2022 were estimated to be 21% higher than in 2021. Discharge quantities are either actual or estimated. Sites report actuals if they have access to discharge invoices or metering data. The remaining water discharges are estimated based upon the water discharges data from the sites that reported both water withdrawals and water discharges. The reported and estimated water discharges volumes are combined in an effort to fully understand our water discharges volumes. We expect our five-year discharge volume will be lower as we are focused on sustainable design and construction practices and continue successful implementation of our required Water Best Management Practices.
Total consumption	2962	About the same	Increase/decrease in efficiency	Lower	Increase/decrease in efficiency	RTX calculates its Total Water Consumption by subtracting Total Water Discharges from Total Water Withdrawals. Water consumption at RTX was unchanged vs our 2021 reported values. We expect our five-year discharge volume will be lower as we are focused on sustainable design and construction practices and continue successful implementation of our required Water Best Management Practices.

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	26-50	This is our first year of measurement	Other, please specify (This is our first year of measurement)	Lower	Increase/decrease in efficiency	WRI Aqueduct	RTX conducted a water stress assessment of its manufacturing facilities in 2021. The analysis was conducted by a third-party consultant and utilized the World Resource Institute (WRI) Aqueduct tool. The location of each site was entered into the tool and the corresponding water basin where the site is located was identified. The Aqueduct tool rates each water basin by numerous factors. Industry best practices uses the “Baseline Water Stress” indicator as the overall water stress risk level. For the purposes of this analysis, we classified sites as having “water stress” if their water basin was rated either “Extremely high” or “High” on the Baseline Water Stress indicator. The output from the water stress analysis led RTX to place greater awareness on those sites in high or extremely high water stressed areas, especially those using large quantities of water.

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>	At a small number of our manufacturing facilities and non-manufacturing sites consuming more than one million gallons annually world-wide, small amounts of rainwater are captured and used in plant operations. The amount of rainwater used is not material and RTX does not measure this resource. A few sites use river water for cooling purposes.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	RTX does not track the use of brackish water or seawater at any of our facilities.
Groundwater – renewable	Relevant	439	Higher	Increase/decrease in business activity	Water withdrawals from Groundwater - renewable in 2022 was 10% greater than 2021. Our sites have worked diligently to reduce their water consumption over the years. We believe 2021 levels were artificially lower due to the effects of COVID-19 on commercial aviation and employees working from home.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	RTX does not track the use of non-renewable groundwater at any locations.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	RTX does not track the use of produced/entrained water at any locations.
Third party sources	Relevant	5821	Higher	Increase/decrease in business activity	Water withdrawals in 2022 were 10% greater than 2021. Our sites have worked diligently to reduce their water consumption over the years. We believe 2021 levels were artificially lower due to the effects of COVID-19 on commercial aviation and employees working from home. Most of RTX's water is sourced from municipal third-party sources, making this water source highly relevant to our operations.

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	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	RTX collects water discharge data to the environment from its sites in aggregate. RTX does not collect discharge to environment by location type such as fresh surface water, brackish surface water/seawater or groundwater.
Brackish surface water/seawater	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	RTX collects water discharge data to the environment from its sites in aggregate. RTX does not collect discharge to environment by location type such as fresh surface water, brackish surface water/seawater or groundwater.
Groundwater	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	RTX collects water discharge data to the environment from its sites in aggregate. RTX does not collect discharge to environment by location type such as fresh surface water, brackish surface water/seawater or groundwater.
Third-party destinations	Relevant	2691	Higher	Increase/decrease in business activity	Third-party destinations such as municipal sewer systems and treatment plants are the primary recipients of RTX water discharges. Water discharges to third party sources in 2022 were estimated to be greater than 2021. Discharge quantities are either actual or estimated. Sites report actuals if they have access to discharge invoices or metering data. The remaining water discharges are estimated based upon the water discharges data from the sites that reported both water withdrawals and water discharges. The reported and estimated water discharges volumes are combined in an effort to fully understand our water discharges volumes.

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	67074000000	6259	10716408.3719444	RTX water withdrawal efficiency decreased 6% from 2021 (11,323,954 in 2021 to 10,702,729 in 2022). We believe this change is due in part to the effects of COVID-19 on commercial aviation and employees working from home in 2021 and returning to work in 2022.

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	Yes	<Not Applicable>

W1.4a

(W1.4a) What percentage of your company's revenue is associated with products containing substances classified as hazardous by a regulatory authority?

Regulatory classification of hazardous substances	% of revenue associated with products containing substances in this list	Please explain
Annex XVII of EU REACH Regulation	Don't know	We are unable to provide the percent revenue associated with products containing substances in this list.
Candidate List of Substances of Very High Concern for Authorisation above 0.1% by weight (EU Regulation)	Don't know	We are unable to provide the percent revenue associated with products containing substances in this list.

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	Judged to be unimportant	RTX operations and products do not consume a significant amount of water in the manufacturing process. Most products are produced to exacting customer specifications with minimal opportunities for substitution. We are continuing to monitor water-related issues or priorities from our customers and value chain partners.

W1.5a

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

Row 1

Assessment of supplier impact

No, we do not assess the impact of our suppliers and have no plans to do so within the next two years

Considered in assessment

<Not Applicable>

Number of suppliers identified as having a substantive impact

<Not Applicable>

% of total suppliers identified as having a substantive impact

<Not Applicable>

Please explain

RTX has a supplier code of conduct that states "You must comply with all applicable environmental, health and safety laws, regulations and directives. You must conduct your operations in a manner that: actively manages risk; conserves natural resources; prevents pollution; safeguards the environment; and minimizes waste, emissions, and energy consumption". RTX expects its suppliers to comply with the code of conduct, but their compliance is not assessed.

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	No, and we do not plan to introduce water-related requirements within the next two years	RTX manufactures many technologically complex products, including, jet engines, radar and guidance systems, state of the art military products, and complex aerospace components. Our finished parts are designed and manufactured with materials, parts, and components from thousands of suppliers with differing specific water-related requirements. RTX expects its suppliers to appropriately manage their specific water-related requirements in accordance with the RTX supplier code of conduct which requires suppliers to conduct their operations in a manner that: actively manages risk; conserves natural resources; prevents pollution; safeguards the environment; and minimizes waste, emissions, and energy consumption.

W1.5d

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

Type of engagement
Other

Details of engagement
Other, please specify (Suppliers must conduct operations in a manner that: actively manages risk; conserves natural resources; prevents pollution; safeguards the environment; and minimizes waste, emissions, and energy consumption.)

% of suppliers by number
100%

% of suppliers with a substantive impact
<Not Applicable>

Rationale for your engagement
Our standard terms and conditions of purchase for all suppliers require them to comply with all applicable laws and regulations. In addition, they require suppliers to adopt and comply with a code of conduct or policy statement regarding business conduct, ethics, and compliance that satisfies, at a minimum, the principles set forth in our Supplier Code of Conduct. Among other things, the Supplier Code requires all suppliers to conduct operations in a manner that 1) Complies with all applicable environmental, health, and safety laws, regulations and directives, 2) Actively manages risk, 3) Conserves natural resources, 4) Prevents pollution, 5) Safeguards the environment, and 6) Minimizes waste, emissions and energy consumption.

To cascade this impact throughout our supply chain, our Supplier Code requires each of our suppliers to, among other things, have management systems, tools and processes to ensure compliance with applicable laws and regulations and the requirements contained in the Supplier Code. To help achieve these outcomes, we actively engage with our suppliers. We provide onboarding training to new strategic suppliers and communicate with existing suppliers as needed.

Impact of the engagement and measures of success
Our supplier Code of Conduct has been a long-standing tool to communicate our high ethical standards of performance and requires suppliers to maintain those standards, including environmental protection (e.g., minimize water use, emissions and energy consumption, conserve natural resources). We believe the Code of Conduct sends a clear message that environmental protection and emissions reduction are company priorities and that we expect our suppliers to also make them priorities. This will help encourage suppliers to implement water conservation programs.

Ultimately, success of this engagement would result in supplier conservation of natural resources inclusive of water.

Comment
RTX manufactures many technologically complex products, including, jet engines, radar and guidance systems, state of the art military products, and complex aerospace components. Our finished parts are designed and manufactured with materials, parts, and components from thousands of suppliers.

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	Yes	Fines, but none that are considered as significant	In 2022, RTX experienced two water related penalties that resulted in fines.

W2.2a

(W2.2a) Provide the total number and financial value of all water-related fines.

Row 1

Total number of fines
2

Total value of fines
5000

% of total facilities/operations associated
0

Number of fines compared to previous reporting year
About the same

Comment
In 2022, RTX experienced two water related penalties that resulted in fines. Neither were significant and the volume of water under discussion was negligible in our total operations.

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	RTX has a corporate policy that addresses water management and control. For each industrial wastewater discharge, sites document: 1. The processes generating the wastewater 2. Major contaminants of concern 3. Destination of discharges (for example, municipal sewer, offsite treatment) 4. Location of discharge 5. Monitoring and compliance point locations 6. Description of on-site wastewater treatment Sites that are subject to a wastewater permit are required to maintain the permit and meet all of its requirements, including identifying potential constituents of concern and performing the required discharge sampling. All on-site wastewater treatment and control systems must be appropriate to control the constituents present in untreated wastewater in order to meet the regulatory and permit requirements.	<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
RTX uses chemicals in many of its manufacturing processes, including inorganic compounds. If not handled correctly, it could lead to adverse impacts to water ecosystems.

The company has numerous controls and processes in place to prevent the accidental release of such chemicals into water sources.

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
Implementation of integrated solid waste management systems
Industrial and chemical accidents prevention, preparedness, and response
Water recycling
Reduction or phase out of hazardous substances

Please explain
Sites subject to industrial wastewater permits maintain and meet all permit and regulatory requirements. On-site treatment plants have a written operation and maintenance manual / program. Plant equipment, operational and process controls required by permit, regulation, or policy, are on a documented preventive maintenance schedule. Sites conduct wastewater discharge sampling in accordance with permits or regulations on sampling frequency, contaminates, and regulated parameters. On-site treatment and control systems are appropriate to control the constituents present in untreated wastewater to meet the regulatory and permit requirements. Sites inspect the wastewater treatment systems, including tanks. sumps, pits trenches and secondary containments.

RTX has controls and requirements governing stormwater, including compiling an inventory of potential pollution sources for stormwater discharges and regularly inspecting them. Hazardous materials and chemical containers are stored so as to prevent contact with stormwater runoff and moisture on the ground. Spill response procedures are maintained, and spill response supplies are located near potential stormwater pollution sources.

RTX prohibits several types of discharges minimizing any adverse impacts to water resources. These include no discharges of untreated industrial wastewater to ground or surface waters, or to surface impoundments. Underground injection systems are prohibited except relating to remediation systems.

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 part of an established enterprise risk management framework

Frequency of assessment
Annually

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

Type of tools and methods used
Enterprise risk management

Tools and methods used
Enterprise Risk Management

Contextual issues considered
Water regulatory frameworks
Other, please specify (Severe storm events)

Stakeholders considered
Customers
Employees
Investors
Regulators

Comment
The company uses its Enterprise Risk Management (ERM) process to identify, understand, prioritize, and appropriately manage the full range of significant risks to the company. ERM is led by Finance, with an annual cycle for structured reviews, discussions, and mitigation planning. Each Business Unit and Corporate Function identifies their top business and compliance risks using various methods and tools. The risks can be strategic, operational, financial, reputational, or other types of business risks.

The Business Resilience and Crisis Management (BRCM) program is a key process related to the identification and management of physical climate-related risks, including water related risks. The BRCM policy documents requirements and processes to prepare for, respond to, and recover from a wide range of risks and threats, including natural events that may be caused by climate change. The BRCM processes include conducting Threat and Vulnerability Assessments (TVA). All of our key sites conduct a TVA biennially using approved tools and methodologies. The process requires sites to identity, assess, and manage different types of site-specific risks, including acute and chronic physical risks associated with climate change. The TVAs include an assessment of the probability, severity, and the ease of recovery from an event.

Value chain stage
Direct operations

Coverage
Full

Risk assessment procedure
Water risks are assessed in an environmental risk assessment

Frequency of assessment
Not defined

How far into the future are risks considered?
Up to 1 year

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
Water regulatory frameworks

Stakeholders considered
Customers
Employees
Investors

Comment
2022 was the first year in which RTX used the WRI Aqueduct tool to assess water risk at all of our manufacturing facilities and non-manufacturing facilities consuming 1 million gallons of water or more annually. We are using the results of the analysis to devise a strategy to better manage water at our facilities identified with a Baseline Water Stress as "High" or "Extremely High".

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	RTX uses its Enterprise Risk Management (ERM) process to identify, understand, prioritize, and appropriately manage the full range of significant risks to the company. ERM is led by Finance, with an annual cycle for structured reviews, discussions, and mitigation planning. Each Business Unit and Corporate Function identifies their top business and compliance risks using various methods and tools. The risks can be strategic, operational, financial, reputational, or other types of business risks. The Business Resilience and Crisis Management (BRCM) program is a key process related to the identification and management of physical climate-related risks. The BRCM program lead reports to the VP, Chief Security Officer, who reports to the Corporate Senior VP Operations, Supply Chain Quality and EH&S. Another key process supporting ERM that is used to identity, assess, and manage climate-related risks and opportunities -- particularly transitional or market risks due to climate change -- is the company's well-defined long-range strategic planning process. Each of our business units develops strategic plans, which are the central mechanism for setting business-level operational, technology, R&D investment, and funding priorities.	The BRCM processes includes: a) Threat and Vulnerability Assessment (TVA). There is a policy requirement for all of our key sites to conduct a TVA biennial using approved tools and methodologies. The process requires sites to identity, assess, and manage different types of site-specific risks, including acute and chronic physical risks associated with climate change. The TVAs include an assessment of the probability, severity, and the ease of recovery from an event. b) Business Impact Analyses (BIAs). These are conducted at the Company, Business, and site level to determine and assess the potential effects of an event/threat to cause an interruption to critical processes (such as facility operation, product deliveries to customers, connectivity, and supply chain). The BIAs are performed every 3 years and reviewed annually The RTX long-range strategic planning process requires that each of our business units develops strategic plans, which are the central mechanism for setting business-level operational, technology, R&D investment, and funding priorities. The plans are based on extensive research and analysis on the targeted markets, changes in customer needs and priorities, customer procurement, changes in public policies, technology advances and competitor assessments. The Board of Directors is briefed on the strategic plans, which are updated annually	Customers, shareholders, and institutional investors expect that we are anticipating potential risks to our ability to meet our commitments and taking proactive steps to mitigate those risks. They also continue to increase their focus on ESG, including our environmental sustainability practices and commitments with respect to our operations.	The top risks identified by the ERM process are compiled annually and shared with the Audit Committee of the Board of Directors, as well as the full Board. The Board allocates oversight responsibilities for these top risks among itself and its committees. The BRCM policy documents the requirements and processes to prepare for, respond to, and recover from a wide range of risks and threats, including natural events. The BRCM program works across RTX to take pre-emptive action and respond to potential threats or incidents. BRCM is integrated across key functions and levels of the business through a series of teams that continually identify, assess, mitigate, and respond to risks. Each Business's key sites must maintain an Incident Response Plan (IRP). The plans must address the potential risks identified in their TVAs throughout the value stream. The IRPs are reviewed and updated on an annual basis or as a result of actual incidents or exercises. Businesses, functions and sites maintain Business Continuity Plans (BCPs) to support critical business processes. The BCPs document what is needed to restore critical business processes. Sites must have capabilities to respond and manage the risk commensurate with the level and type of risks. Annual exercises are conducted to prepare for a wide range of crises and strengthen preparedness with customers; public and private partners; including the Critical Manufacturing and Defense Industrial Base Sector Coordinating Councils.

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?

RTX uses the "substantive" definition included in CDP guidance and defines a substantive impact to our businesses from water events as those events that have a significant impact on overall corporate performance. This would include events that resulted in a substantial impact to sales revenue, total company profit, corporate reputation, and strategic plans.

The impacts can be operational, financial, or strategic. The quantifiable indicator is "dollars of actual or potential impact."

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	We report monthly all water used at our manufacturing, production, and overhaul facilities around the world. We use relatively limited amounts of water at the majority of our sites (mostly employee comfort and production related cooling requirements), and we continue to implement closed looping and water recycling where feasible. Since 2019, RTX has realized a 15% reduction in water consumption. We recently commissioned a water stress analysis of our facilities to review our water risk exposures to drought and other water supply limitations with the potential to result in disruptions to a localized and limited segment of our manufacturing operations. We have occasionally seen water related risks impact our operations at the local level, but none of these rose to a level that would impose a substantial or strategic impact to the company.

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	The RTX review of water risks has identified occasional localized concerns about drought and water supply limitations that could potentially result in disruptions to a localized and limited segment of our supply base. We have occasionally seen water related risks impact our supplier operations at the local level, but none of these rose to a level that would impose a substantial or strategic impact to the company.

W4.3

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

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

W4.3a

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

Type of opportunity
Efficiency

Primary water-related opportunity
Improved water efficiency in operations

Company-specific description & strategy to realize opportunity
Increased resource efficiency is a potential water-related opportunity which would reduce the company's utility costs, reduce operating costs, and make the company more competitive. We are pursuing numerous strategies to reduce our water consumption and recycle water.

RTX has identified nine water Best Management Practices ("BMPs") with 23 tasks that are required to be completed as part of RTX's 2025 Sustainability goals. The BMPs have proven effective in promoting water conservation and water efficiency.
The nine site water BMPs are
• Create a Water team
• Conduct water gemba process reviews
• Create a water balance document
• Conduct leak management
• Cooling tower management
• Install Internal flow meters
• Install low flow fixtures
• Review xeriscaping & landscape irrigation options
• Recycle process wastewater

We are constantly implementing projects to reduce water use. For example, in 2022, we conducted a water balance exercise at one of our Indonesia sites to map water sources and understand how water is used and discharged throughout the site. During the evaluation, the team identified multiple opportunities for improvement, which helped to reduce water use by more than 266,000 gallons per year and eliminate approximately 450 metric tons of CO_2e. In July 2022, we also implemented low-flow restroom fixtures in our Westminster, California, site, which is estimated to conserve 327,000 gallons of water annually.

Estimated timeframe for realization
1 to 3 years

Magnitude of potential financial impact
Low-medium

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

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

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

Explanation of financial impact
We are unable at this time to provide the potential financial impact associated with implementation of these Best Management Practices as each individual site will vary based on age of the facility, local regulation, and ability to implement the Best Management Practices in a way conducive to ongoing business concerns, development, and continuity. RTX believes that implementing these nine Best Management Practices will reduce water consumption, reduce water costs, and further minimize water risks.

Type of opportunity
Efficiency

Primary water-related opportunity
Improved water efficiency in operations

Company-specific description & strategy to realize opportunity
We are focused on sustainable design and construction practices as demonstrated in our recently opened Collins India Operations Center in Bengaluru, India, and our Pratt & Whitney's Global Engineering and Technology Center (GETC) in Asheville, North Carolina. The GETC has been certified with the U.S. Green Building Council (USGBC) Platinum Rating for integrating solar power capabilities, zero water discharge and other features. The Collins India Operations Center received the USGBC Silver certification and Indian Green Building Council (IGBC) Silver rating with optimized energy performance and water efficiency features.

Estimated timeframe for realization
Current - up to 1 year

Magnitude of potential financial impact
Unknown

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

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

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

Explanation of financial impact
We are unable at this time to provide a potential financial impact associated with designing factories for sustainability.

W6. Governance

W6.1

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

Yes, we have a documented water policy, but it is not 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 Commitments beyond regulatory compliance	The RTX water policy is applicable to all operations globally. It establishes minimum requirements necessary to manage and control industrial wastewater, storm water, sanitary sewer discharges, erosion and sediment control, backflow prevention and to promote the efficient use of water through elimination, reduction, recycling and reuse measures. Sites are audited against the policy to ensure continued compliance. RTX oversees progress towards water reduction and best management practice implementation goals through the mandatory reporting of site monthly water data. The progress toward these goals is reported publicly on an annual basis in our Corporate ESG Report.

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
Board-level committee	The RTXs Board of Directors Committee on Governance and Public Policy (GPPC), which is comprised entirely of independent directors, oversees the Company's strategy, performance and goals relating to the environment and sustainability, including water-related matters. Among other oversight duties relating to governance and social responsibility, the GPPC is responsible for the review and approval of RTX's formal sustainability goals, including targets for reduction of greenhouse gas (GHG) emissions, energy consumption, water consumption, renewable electricity usage, and waste, which are generally established for five-year periods. The GPPC receives briefings periodically (at least annually) on RTX's sustainability performance in relation to the Company's goals. Additionally, the GPPC receives periodic updates on the evolving interests and expectations of stakeholders pertaining to environmental sustainability, including water-related issues. Example of a water-related decision made by the Committee: Our Executive Annual Incentive Plan includes a Corporate Responsibility Scorecard (CRS), comprised of two categories: People & Culture and Sustainability & Safety—each weighted at 10%. The CRS objectives for Sustainability include reducing GHG emissions and water usage. Throughout the course of 2022, the Board's Human Capital and Compensation Committee (HCCC) conducted a comprehensive analysis of the Company's and each business unit's efforts in driving progress on our CRS objectives, including progress toward the Company's public 2025 GHG emission reduction goal. Following the end of the 2022 performance year, the GPPC reviewed year-end performance in the Sustainability & Safety category and decided on its recommendations to the HCCC for final Sustainability & Safety performance factors for determining awards for 2022 under the Executive Annual Incentive Plan.

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 Monitoring progress towards corporate targets Overseeing the setting of corporate targets Reviewing and guiding corporate responsibility strategy Reviewing and guiding major plans of action Reviewing and guiding strategy Setting performance objectives	The RTX Board of Directors has assigned ultimate responsibility for RTX's water management program direction and management, including formal water reduction and improvement programs, to the Committee on Governance and Public Policy (GPPC). The GPPC oversees the Company's strategy, performance and goals relating to the environment and sustainability, including water-related matters. Among other oversight duties relating to governance and social responsibility, the GPPC is responsible for the review and approval of RTX's formal sustainability goals, including targets for reduction of greenhouse gas emissions, energy consumption, water consumption, renewable electricity usage, and waste, which are generally established for five-year periods. The GPPC receives briefings periodically (at least annually) on RTX's sustainability performance in relation to the Company's goals. Additionally, the GPPC receives periodic updates on the evolving interests and expectations of stakeholders pertaining to environmental sustainability, including water-related issues. Beginning with 2021, the Board's Human Capital and Compensation Committee ("HCCC") incorporated into the Executive Annual Incentive Compensation Program a Corporate Responsibility Scorecard which includes qualitative objectives relating to "Sustainability and Safety" (including water usage reduction-related objectives) among other metrics. As discussed in greater detail in the Company's 2022 Proxy Statement, the HCCC evaluates progress towards these objectives as part of its annual cash incentive determination process.

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 GPPC and the Board regularly consider whether the Board has all of the key skills and expertise needed for effective oversight of our businesses and strategy, taking into account the evolution of our business, as well as the mix of capabilities and experience already represented on the Board. These considerations inform the Board's refreshment efforts and its decisions when selecting candidates to serve as directors. In 2022, the GPPC explicitly added Environmental, Social and Governance ("ESG") as one of the key skills and expertise that should be represented on the Board, reflecting its importance from a strategic, operational and risk standpoint. In assessing directors' ESG skills and expertise, the GPPC considers experience in a range of ESG areas, including environmental issues and sustainability. Experience in these areas – which can be gained through management or board roles at firms in industries involved closely with water matters – strengthens the Board's oversight of key ESG initiatives, reporting and risks, including environmental stewardship & compliance, energy & greenhouse gas emissions, sustainable technology & innovation, climate risk, and business resilience and crisis management.	<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 (Corporate Senior Vice President, Operations, Supply Chain, Quality, EH&S)

Water-related responsibilities of this position

Assessing 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 Corporate Senior Vice President- ("SVP"), Operations, Supply Chain, Quality, EH&S is the highest ranking official responsible for water-related issues. The SVP reports directly to the Chairman and CEO and briefs the Government and Public Policy committee of the Board of Directors on water and other environmental issues. The Environment, Health & Safety organization reports to the SVP, Operations, Supply Chain, Quality, EH&S. The SVP engages on all EH&S activities, inclusive of water and is directly involved in setting annual and long-term sustainability goals, including water consumption reduction, and tracking progress towards goals. If progress is inadequate, or obstacles encountered, the SVP, Operations, Supply Chain, Quality, EH&S convenes the necessary people and resources to resolve the issues.

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	We hold our leaders accountable for advancing our ESG priorities by linking our Executive Annual Incentive Plan to our ESG performance based on the Corporate Responsibility Scorecard. The scorecard is comprised of two categories: People & Culture and Sustainability & Safety, each weighted at 10%. The Sustainability and Safety category measures progress in environmental sustainability including reductions towards the company's public 2025 water reduction goal. The CRS objectives reinforce the company's commitment to our long-term goals and strengthen alignment between the interests of executives and shareholders.

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	Corporate executive team Other, please specify (Management group)	Reduction in water consumption volumes – direct operations	We hold our leaders accountable for advancing our ESG priorities by linking our Executive Annual Incentive Plan to our ESG performance based on the Corporate Responsibility Scorecard. The scorecard is comprised of two categories: People & Culture and Sustainability and Safety, each weighted at 10%. The Sustainability and Safety category measures progress in environmental sustainability including reductions towards the company's public 2025 water reduction goal. The CRS objectives reinforce the company's commitment to our long-term goals and strengthen alignment between the interests of executives and shareholders. We reinforce our ESG commitment and promote employee engagement in ESG by using the same Corporate Responsibility Scorecard objectives contained in our Executive Annual Incentive Plan program for our executives for our Broad-Based Annual Incentive Plan. That plan covers approximately 65,000 employees at the management level.	Since the executive compensation incentive program is linked to progress towards our water consumption reduction target, it drives water reduction projects and initiatives and incentivizes water management and control. As stewards of the environment, we seek to engineer a sustainable future. We take this role seriously, with a steadfast focus on conserving natural resources and mitigating the environmental impact and risks related to the design, manufacture, and use of our products.
Non-monetary reward	Other, please specify (Management Group)	Reduction of water withdrawals – direct operations Reduction in water consumption volumes – direct operations Improvements in water efficiency – direct operations	Corporate and Business units EH&S management receive non-monetary recognition by their management as well as by Corporate for meeting their annual water goals and for implementing significant water reduction / water efficiency projects. In addition, RTX conducts an annual EH&S Awards program where Water projects / initiatives is one of the award categories. Sites / employees submit water award applications to Corporate through their Business Unit leaders to compete for the award recognition.	Annually a panel of external judges review the nominated water projects and select the winner. Employees and management involved in the project are rewarded with an Awards trophy as well as recognition in company meetings and via our internal EH&S website. Winners are given an opportunity to give a presentation on their winning project at the company's EH&S conference. All submitted award applications are shared internally to promote best practice sharing. The awards program plays an important role in reinforcing the importance of water reduction projects as well as sharing best practices.

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?

No, and we have no plans to do so

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	RTX established 2025 water goals in 2020 and considers water management and stewardship to be a permanent business objective. The 2025 water goals are: 1) 10% reduction in water consumption by 2025 from 2019 levels and 2) 100% implementation of water best management practices. In addition, progress towards the 2025 water consumption reduction goal is included in the calculation for executive compensation.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	RTX has a roadmap strategy for obtaining long-term objectives which includes implementation of nine water best management practices. In addition, RTX recently conducted a water stress analysis of our reporting facilities. We are evaluating changes to our strategic business plan in response to the results from the analysis.
Financial planning	Yes, water-related issues are integrated	5-10	RTX's company-wide goals for water conservation are strategically important as reflected by our commitment to reduce absolute water consumption 10% by 2025 from a 2019 baseline and implement nine water best management practices by 2025. The facilities capital plan includes water conservation, efficiency, and other water reduction projects. In addition, progress towards the 2025 water consumption reduction goal is included in the calculation for executive compensation.

W7.2

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

Row 1

Water-related CAPEX (+/- % change)

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

Water-related OPEX (+/- % change)

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

Please explain

W7.3

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

	Use of scenario analysis	Comment
Row 1	Yes	RTX conducted climate scenario analysis using two International Energy Agency scenarios: 1) Net Zero Emissions by 2050 (NZE) which is aligned with limiting global temperature increase to 1.5 degrees C by the end of the century, and 2) Announced Policies Scenario (APS) which is aligned with 2 degree C. We also included several aviation-specific scenarios from the Air Transport Action Group's (ATAG's) Waypoint 2050 Report. The risk scenario analysis was completed in keeping with the Task Force on Climate Related Financial Disclosure - (TCFD) guidelines. The inputs and assumptions were as outlined in the scenarios. Including applicable global energy transformation drivers from IEA's Net Zero by 2050 roadmap. A number of relevant climate related drivers specific to commercial aviation were included. The potential impacts to our operations were examined and potential impacts were assessed.

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	Climate-related	IEA's annual World Energy Outlook report explores various scenarios. They are based on projections generated by IEA's World Energy Model (WEM) and the Energy Technology Perspectives (ETP) model. The scenarios also consider other elements and influences including the economic and demographic context, technology costs and learning, energy prices and affordability, corporate sustainability commitments, and social and behavioral factors. The Net Zero Emissions by 2050 (NZE) Scenario is a normative scenario in that it is designed to limit the global temperature rise to 1.5 °C which is the ultimate goal of the Paris Agreement to minimize the most harmful impacts of climate change. It assumes a significant reduction in GHGs by 2030 in order to meet net zero CO2 emissions by 2050. The temperature then starts to decline slowly as a result of continued reductions in non-CO2 emissions, and by 2100 the rise in temperature has fallen to around 1.4 °C. Some of the key scenario assumptions include: a) countries go well beyond existing pledges; b) orderly transition across the energy sector to low-carbon resources; c) uptake of all the available technologies and emissions reduction options; d) reduction of methane emissions far more quickly than the other scenarios; and e) cooperation among all countries toward the net zero goal. The Announced Policies Scenario (APS) is a normative scenario that is designed to limit the global temperature rise to "2 °C" which is the goal of the Paris Agreement. The APS scenario assumes that all announced country net zero pledges are achieved in full and on time. It emphasizes near-term emissions reductions. The electricity sector in all G7 countries is assumed to have been predominantly decarbonized to low carbon fuels by 2035. Globally by 2050, the scenario assumes 70% of the electricity is generated from renewable resources. An inventory of the key policy assumptions available along with all the underlying data on population, economic growth, resources, technology costs and fossil fuel prices are available in WEO-2022, IEA website, and associated data sets. Time horizon: 3 time horizons were considered: 2022-2030, 2030-2040 and 2040-2050.	Possible water-related outcomes and impacts were not evaluated as part of this scenario analysis.	As stewards of our environment, we are committed to driving pollutants in our manufacturing processes to the lowest achievable levels and conserving natural resources in the design, manufacture, use and disposal of our products and the delivery of our services. This commitment is part of how we operate and has been for decades. RTX recognizes value in conducting scenario assessments to identify risks and opportunities. Awareness of water risk and sensitivity of its importance as a natural resource to be conserved is evolving. RTX completed a water scarcity assessment for our facilities. Water related risk scenarios would further enhance our environmental programs and strategies.

W7.4

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

Row 1

Does your company use an internal price on water?

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

Please explain

RTX operates hundreds of facilities in multiple countries where the cost of water can vary greatly. RTX continues to explore appropriate methodologies to determine the regional cost of water so we can thoughtfully direct investment and innovate concepts as we aim to reduce the water we use.

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	No, and we do not plan to address this within the next two years	<Not Applicable>	Other, please specify (Current products and/or services have not been evaluated against these criteria.)	The diverse businesses of RTX produce a multitude of varied products for the aerospace and defense industries. Such products include seating, jet engines, radars, and landing gear. The impact that our products and/or services have on water has not been evaluated and we do not plan to conduct a product survey on water impact within the next two years because our products do not require significant amounts of water to operate.

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, and we do not plan to within the next two years	The diverse businesses of RTX produce a multitude of varied products for the aerospace and defense industries. Such products include seating, jet engines, radars, and landing gear. Some of the water discharges from RTX facilities are first treated onsite in a wastewater treatment plant before being discharged externally. The discharge is monitored in accordance with various requirements that are specified in the regulatory wastewater treatment permit. RTX does not centrally measure or track the individual pollutants treated by the facilities.
Water withdrawals	Yes	<Not Applicable>
Water, Sanitation, and Hygiene (WASH) services	No, and we do not plan to within the next two years	All RTX locations world-wide are required to maintain fully functioning, Water, Sanitation, and Hygiene - ("WASH") services. The provision of these services is required both by local regulation (in most cases) and in all cases by mandatory RTX health and safety standards. Adherence to the more-strict requirement is mandatory. RTX maintains full compliance with all laws and regulations wherever we operate.
Other	No, and we do not plan to within the next two years	RTX conducted a third-party water stress assessment of its manufacturing facilities in 2021 using the World Resource Institute (WRI) Aqueduct tool. The Aqueduct tool rates each water basin by numerous factors. RTX is actively developing additional water management requirements for sites that annually consume more than ten million gallons of water and are located in water basins rated either “Extremely high” or “High” on the Baseline Water Stress indicator. We are evaluating the results of the analysis but there are no plans to create a new goal or target.

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
Company-wide (direct operations only)

Quantitative metric
Reduction in total water withdrawals

Year target was set
2020

Base year
2019

Base year figure
1834851652

Target year
2025

Target year figure
1651366487

Reporting year figure
1551700000

% of target achieved relative to base year
154.318553219275

Target status in reporting year
Underway

Please explain
Our water consumption reductions are due in part to the impacts of COVID-19 on commercial aviation. We anticipate that those reductions will erode as travel increases and the commercial aviation sector recovers from COVID. We will continue to monitor our progress against our 2025 goal.

Target reference number
Target 2

Category of target
Water withdrawals

Target coverage
Site/facility

Quantitative metric
Reduction in total water withdrawals

Year target was set
2020

Base year
2020

Base year figure
0

Target year
2025

Target year figure
100

Reporting year figure
72

% of target achieved relative to base year
72

Target status in reporting year
Underway

Please explain
RTX has identified 9 Water Best Management Practices (BMPs) as part of its 2025 sustainability goals. Sites must implement applicable water BMPs by December 31, 2025.
The BMPs are:
1 Establishing a water team.
2 Conducting water Gemba walks.
3 Developing a water balance by identifying sources, uses and discharges.
4 Maintaining a leak management program.
5 Implementing a cooling tower management plan.
6 Installing internal flow meters.
7 Installing low-flow fixtures.
8 Implementing xeriscaping and landscape irrigation.
9 Analyzing potential process wastewater recycling and closed looping.

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
RTX Water 2022 Assurance Statement.pdf

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	RTX employed a third-party consultant to provide independent verification on the accuracy of the water withdrawal quantity reported, and on the underlying systems and processes used to collect, analyze, and review the information.	ISAE 3000	RTX has set a public goal for reducing water consumption 10% by 2025 from a 2019 baseline. RTX realizes the importance to stakeholders in having independent verification on the accuracy of the water withdrawal quantity reported, and on the underlying systems and processes used to collect, analyze, and review the information. The water withdrawal assurance followed standard procedures and guidelines for third-party assurance and the International Standard on Assurance Engagements, ISAE 3000 (Revised) Assurance Engagements Other than Audits or Reviews of Historical Financial Information as a reference standard.

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 – and we do not plan to within the next two years	<Not Applicable>	RTX has not mapped where plastics are used and/or produced in our value chain.

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 – and we do not plan to within the next two years	<Not Applicable>	RTX has not assessed across our value chain the potential environmental and human health impacts of our use and/or production of plastics?

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>	RTX has not assessed across our value chain our exposure to plastics-related risks with the potential to have a substantive financial or strategic impact on our business.

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>	RTX does not have plastics-related targets.

W10.5

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

	Activity applies	Comment
Production of plastic polymers	Please select	
Production of durable plastic components	Please select	
Production / commercialization of durable plastic goods (including mixed materials)	Please select	
Production / commercialization of plastic packaging	Please select	
Production of goods packaged in plastics	Please select	
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	Please select	

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.

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	Corporate Vice President of Environment, Health & Safety	Other, please specify (Corporate Vice President of Environment, Health & Safety)

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.

No

Please confirm below

I have read and accept the applicable Terms