Welcome to your CDP Water Security Questionnaire 2022

W0. Introduction

W0.1

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

As a leading global tier 1 automotive supplier, AAM designs, engineers, and manufactures driveline and metal forming technologies that are making the next generation of vehicles smarter, lighter, safer, and more efficient. Headquartered in Detroit, AAM has approximately 18,000 associates operating at nearly 80 facilities in 16 countries to support our customers on global and regional platforms with a focus on quality, operational excellence, and technology leadership. AAM's Driveline business unit is a global leader in rear-wheel drive (RWD), all-wheel drive (AWD) and four-wheel drive (4WD) systems for internal combustion, hybrid electric and full electric vehicles. AAM's Driveline product portfolio optimizes mass and increases efficiency and NVH without sacrificing performance. AAM's Metal
Forming business unit represents the largest automotive forging enterprise in the world. We provide engine, transmission, driveline and safety-critical components for light vehicles, commercial vehicles, and off-highway vehicles, as well as products for a number of industrial markets. Process uses of water in our facilities include cooling and cleaning. We also use potable water for sanitary applications, fire protection water, and landscape irrigation. As a global company, AAM is guided by a set of cultural values and strategic principles. These values and principles stress teamwork, excellence, responsibility, continuous improvement, shareholder value creation, community involvement, diversity, and respect for the environment. At their core, they also serve as a guidepost for AAM's sustainability program.

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, 2021	December 31, 2021

W0.3

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

Brazil

China
Czechia
France
Germany
India
Japan
Luxembourg
Mexico
Poland
Republic of Korea
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 operational 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	US0240611030
Yes, a Ticker symbol	NYSE: AXL

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	Water is of 'vital' importance since future production could be compromised if the water supply was insufficient. Output and finances would be affected at the corporate level, in terms of quantity and quality. Some of our manufacturing processes rely on availability of fresh water for cooling, rinsing, or other unit operations. Sufficient amounts of high-quality freshwater are also required for potable and fire-protection applications, including sanitation and hygiene. It is not possible to substitute lower-quality water for WASH purposes. Irrigation for facility landscaping depends primarily on the quantity, but still requires a moderate quality to ensure no negative impacts to soils. Sufficient amounts of good quality freshwater are also required as indirect uses in our upstream value chain. As significant users of metals such as steel and aluminum, we recognize that those industries require significant amounts of water in their processes and plants, and that the availability of that sufficient quantity and quality is vital to their operations. The steel industry uses significant amounts of water throughout the production process, including for cooling (although this is not generally a consumptive use). The mining process for iron, the aluminum industry and associated bauxite production, both use significant amounts of water. For both direct and indirect use, future dependency on sufficient water quantity and quality is not expected to differ, although the quantity required in the various applications may be reduced as water conservation methods are introduced.
Sufficient amounts of	Neutral	Have not evaluated	Recycled water is used for washing and rinsing in some of our facilities. In some facilities where

recycled, brackish and/or produced water available for use			water resources are limited, or where mandated by regulation, recycled water is used for landscape irrigation. Because landscape irrigation is not considered critical to facility operations, the quantity and quality of recycled water is also not a key component of operations, directly nor indirectly. Future dependency on sufficient water quantity and quality is not expected to differ, although water requirements for landscape irrigation may actually increase in a warming world.

W1.2

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

	% of sites/facilities/operations	Please explain
Water withdrawals – total volumes	76-99	Water withdrawals are not tracked at several facilities that are served by local groundwater wells. Plans will be implemented in 2022 to install water meters at all sites to gather real-time withdrawal data. Some plants are also served by water supplied by tanker truck.
Water withdrawals – volumes by source	Less than 1%	In general, our facilities are not known to be aware of the source of the water that is delivered or distributed to them. This knowledge has not been a priority in the past.
Water withdrawals quality	51-75	Incoming water quality is monitored by the plants as is necessary to ensure that the quality is sufficient for process and potable uses. Many facilities rely on water quality reports from the utility that supplies the water.
Water discharges – total volumes	Less than 1%	Discharges to municipal sewer systems are not monitored for quantity. Discharges to surface waters are monitored as required by regulation or permit. Discharge volumes of liquid process waste that is containerized for offsite treatment are tracked. Evaporation losses at cooling towers are not tracked at all. Overall, discharge volumes are not tracked sufficiently to provide accurate and usable data.

Water discharges – volumes by destination	Not relevant	Water discharge volumes are not tracked. Such tracking has never been seen to be relevant.
Water discharges – volumes by treatment method	1-25	Several of our plants have their own wastewater treatment systems, most often incorporating reverse osmosis as the main treatment technology, which is considered to be tertiary treatment.
Water discharge quality – by standard effluent parameters	76-99	All production facilities monitor the water discharge quality according to effluent parameters as required by regulation or permit. Corporate offices and other non-production facilities do not generally monitor their water discharge quality.
Water discharge quality – temperature	76-99	All production facilities monitor the water discharge temperature where required by regulation or permit. Corporate offices and other non-production facilities do not generally monitor their water discharge quality.
Water consumption – total volume	Not monitored	Since total water discharges are not tracked, it is not possible to calculate the total volume of water consumption.
Water recycled/reused	76-99	Of the facilities that recycle/reuse water (primarily for landscape irrigation, most of them monitor the flow rate of the water.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Sufficient water for WASH purposes is a human right and all AAM facilities provide sufficient water in both the quantity and quality to meet the needs of our associates without compromise.

W1.2b

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

	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Total withdrawals	1,616	Much lower	Due to organic water conservation projects, water withdrawals in our manufacturing facilities and corporate offices (the 77% for which water withdrawals data is available) were

			reduced by approximately 13% from 2020 to 2021.
Total discharges			Discharges to municipal sewer systems are not monitored for quantity. Discharges to surface waters are monitored as required by regulation or permit. Discharge volumes of liquid process waste that is containerized for offsite treatment are tracked. Evaporation losses at cooling towers are not tracked at all. Overall, discharge volumes are not tracked sufficiently to provide accurate and usable data.
Total consumption			Since consumption is the arithmetical difference between withdrawal and discharge, and since discharge volume data is not available, neither then is consumption data.

W1.2d

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

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Identification tool	Please explain
Row 1	Yes	51-75	Lower	WRI Aqueduct	Withdrawals from areas with water stress (defined as areas rated as anywhere from Medium-High to Extremely High for baseline water stress in the WRI Aqueduct tool), decreased from 55% in 2020 to 52% in 2021. Much lower/higher are defined as greater than a 10% difference, while lower/higher are defined as in the range of 5-10% difference. A decrease from 55% to 52% represents a change of about 5.5%. Stress assessments are based on the facility locations, as specified by latitude and longitude.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant			We do not withdraw any water from fresh surface water supplies.
Brackish surface water/Seawater	Not relevant			We do not withdraw any water from brackish surface water or seawater supplies.
Groundwater – renewable	Relevant but volume unknown			We do have several plants that withdraw water through groundwater wells, but it is not known whether the aquifers being drawn upon are renewable or non-renewable, and the volumes are not generally monitored.
Groundwater – non-renewable	Relevant but volume unknown			We do have several plants that withdraw water through groundwater wells, but it is not known whether the aquifers being drawn upon are renewable or non-renewable, and the volumes are not generally monitored.
Produced/Entrained water	Not relevant			We do not extract any produced or entrained water.
Third party sources	Relevant	1,065	Much lower	Much lower/higher are defined as greater than a 10% difference, while lower/higher are defined as in the range of 5-10% difference. Organic water conservation projects

				implemented by our manufacturing facilities resulted in a reduction of 14% in water withdrawals from 2020 to 2021.

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	Please explain
Tertiary treatment	Relevant but volume unknown	Our treatment systems are primarily for inorganic wastewaters and are comprised with reverse osmosis systems as their main treatment technology. RO is classified as a tertiary treatment technology. All permit and regulatory requirements are met, with no violations over the past several years.
Secondary treatment	Not relevant	Our treatment systems are primarily for inorganic wastewaters and are comprised with reverse osmosis systems as their main treatment technology. RO is classified as a tertiary treatment technology.
Primary treatment only	Not relevant	Our treatment systems are primarily for inorganic wastewaters and are comprised with reverse osmosis systems as their main treatment technology. RO is classified as a tertiary treatment technology.
Discharge to the natural environment without treatment	Relevant but volume unknown	Some effluents, such as cooling water blowdown, are discharged to surface streams without treatment, and the volume is unknown.
Discharge to a third party without treatment	Relevant but volume unknown	Most of our wastewater is discharged to municipal sewer systems without flow measurement and without prior treatment.
Other	Not relevant	Question not applicable.

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	5,157,000,000	1,616	3,191,212.87128713	As our water conservation efforts continue to be emphasized over the next few years, driving water consumption down on an intensity basis if not also an absolute basis, it is expected that this efficiency figure will increase. Revenue is also expected to increase, contributing to an upward trend in this figure going forward.

W1.4

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

Yes, our suppliers

W1.4a

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

Row 1

% of suppliers by number

26-50

% of total procurement spend

76-100

Rationale for this coverage

Engagement with 250 suppliers were chosen because they cover 90% of our direct purchasing spend. AAM will be considering progress in meeting environmental sustainability expectations and ongoing performance as factors in future sourcing decisions. Suppliers are incentivized to report because individual suppliers with outstanding commitments to the environment will be recognized at our annual Supplier Day event.

Impact of the engagement and measures of success

AAM has initiated a supplier partner engagement program that asks suppliers to commit to their own environmental stewardship goals, such as the development of science-based targets, the increased use of renewable energy and the reduction of carbon emissions. We strongly hope that every one of our suppliers feels motivated to align with our environmental sustainability goals, and that they will share their initiatives with us upon request. Measurement of success will be based on final score of the self-assessment. The information submitted and subsequent performance improvements may factor into future sourcing decisions, as well as recognition for individual suppliers with outstanding commitments to the environment at our annual Supplier Day event.

Comment

W1.4b

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

Type of engagement

Onboarding & compliance

Details of engagement

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

% of suppliers by number

76-100

% of total procurement spend

76-100

Rationale for the coverage of your engagement

All (100%) suppliers are expected to know and abide by applicable environmental laws and regulations and to manage their environmental impacts and aspects responsibly. Required permits and licenses must be obtained and their requirement adhered to. Suppliers are expected to safeguard water from all sources and to minimize the use of water. Recycling and re-use of water are seen as positive actions on the suppliers' part.

Impact of the engagement and measures of success

It is the responsibility of the supplier to evaluate the effectiveness of these projects. After production part approval process, any water project implementation is seen as a change and must follow the supplier change process. Participation in CDP environmental disclosure process for climate change and water security is voluntary as it relates to AAM but is seen as a positive action.

Comment

W2. Business impacts

W2.1

(W2.1) Has your organization experienced any detrimental water-related impacts?

No

W2.2

(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

No

W3. Procedures

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?

Yes, water-related risks are assessed

W3.3a

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

Value chain stage

Direct operations

Supply chain

Coverage

Full

Risk assessment procedure

Water risks are assessed as part of an established enterprise risk management framework

Frequency of assessment

More than once a year

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Enterprise risk management

Tools and methods used

Enterprise Risk Management

Contextual issues considered

Water availability at a basin/catchment level

Access to fully-functioning, safely managed WASH services for all employees

Stakeholders considered

Customers
Employees
Local communities

Comment

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.

AAM applies the Enterprise Risk Management (ERM) process to define substantive financial and strategic risks within our business, as well as upstream (suppliers) and downstream (customers) in our value chain. AAM evaluates business and industry risks in four main categories: strategic, operational, financial, and compliance. This framework supports the Board's oversight of risk management (as disclosed in AAM's 2021 Proxy Statement) with a focus on the most significant risks facing the company in the short-, medium-, and long-term. AAM's risk process is led by top management, structured and based on standards, based on an environment of strong internal controls and rigorous compliance processes, comprehensive, and focused on continuous improvements. The AAM Board believes that strong and effective internal controls and risk management processes are essential for achieving shareholder value. The Board's risk oversight process builds upon management's risk assessment and mitigation processes, which include an enterprise risk management program, regular internal management disclosure and compliance committee meetings, a global ethics and compliance program and comprehensive internal audit processes. The Board implements its risk oversight function both as a full Board and through delegation to Board committees, which regularly report to the Board.

The formal risk management process begins with the Risk Management Working Group (RMWG), the purpose of which is to identify, quantify, and mitigate risks not related to day-to-day operations that could impair AAM's ability to accomplish business objectives. This cross-functional, executive-level group of experts meets 6-8 times per year (or more as required) to identify the top risks to the business, which are then reviewed by both the executive policy committee as well as the Board of Directors. The group brings forth risks within their respective areas of expertise pertaining to strategic, operational, financial, or compliance risks. The RWMG determines whether an issue constitutes substantive financial or strategic risk through our Enterprise Risk Management (ERM) Process. The group defines the risks, identifies potential root causes, assesses exposure impact, assesses management capabilities, defines the basis for the management strategy going forward, and establishes a monitoring process. Potential risks are defined and are placed into three exposure risk categories: high risk, medium risk, or low risk. Within that risk evaluation, time horizons are also established to determine if issues are short-term or long-term concerns. This is done to determine the immediacy of any required mitigation action. Subsequently, definition of risks and impacts could be quantitative or qualitative depending on the nature of the issue – the ERM process ensures that all aspects are considered so that risk thresholds can be defined for each of those issues independently. All determinations are made through a discussion and consensus

process. This approach avoids calculating one blanket quantitative dollar value that defines substantive impact. We last conducted a materiality assessment in 2019 and are planning on updating this in 2022. Mitigation of identified risks in direct operations are embedded throughout the company in systems, policies and procedures and are managed at plant, business unit and enterprise levels, depending on the risk topic. In addition to operating matters, AAM evaluates strategic risks related to water-related regulations and business trends through our strategic and technology committees and other business practices.
Water resource risks have not been identified as potentially significant in the past. As sustainability becomes more important to our company, we recognize the need to evaluate our water management practices and local water resource risks. Few operations need process water, but those that do would shut down if deprived of a water supply, with an obvious effect on production and our ability to satisfy the needs of our customers. We are absolutely dependent on local water resources for potable water for sanitation and hygiene purposes and fire protection systems. In terms of water discharges, we have not had any violations of water regulations in at least two years. With the ISO 14001 system that we have in place, we are in confident in our ability to prevent any such violations in the future. We are planning to conduct a water-related risk assessment in 2022, and the scope will include all AAM facilities, all water systems (potable, process, and fire protection), and from extraction to discharge. The assessment will use the WRI Aqueduct Tool for an initial screening for those facilities that face excessive water risk now and in the future. Those facilities identified in the initial screening will then be evaluated to determine the effects associated with compromised water resources, either through withdrawals or discharges.

W4. Risks and opportunities

W4.1

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

Yes, only within our direct operations

W4.1a

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

AAM determines whether an issue constitutes substantive financial or strategic risk through our Enterprise Risk Management (ERM) Process. Potential risks are defined within the domains of Strategic, Operational, Financial and Compliance impacts and each of these areas are placed into three exposure risk categories: high risk, medium risk, or low risk. Within that risk evaluation, time horizons are also established to determine if issues are short-term or long-term concerns. This is done to determine the immediacy of any required mitigation action. Subsequently, definition of risks and impacts could be quantitative or qualitative depending on the nature of the issue – the ERM process ensures that all aspects are considered so that risk thresholds can be defined for each of those issues independently. The combination of risk severity, quantitative or qualitative impact, and current risk management capabilities

determines an appropriate mitigation strategy. Strategic concerns consider circumstances such as: failure to replace core business, failure to attract and retain key talent, political risk, customer dependency and climate-related risks. Operational impacts may include cybersecurity risk, supply chain disruptions and pandemics. Financial considerations include fiscal crisis or severe financial downturns (including inability to service debt as well as significant increases in commodity costs. Compliance risks include an assessment of AAM's ability to comply with financial, environmental or other regulated subjects within our own internal operating systems. In the case of water, substantive financial or strategic impact is defined as the lack of water in quantities sufficient to maintain production capacity and/or sufficient to provide for the sanitation and hygiene needs of our associates, in which case facilities would have to stop operating.

W4.1b

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

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	21	26-50	Using the WRI Water Aqueduct tool, facilities were classified as at risk if the present-day rating was medium-high, high, or extremely high. The list of facilities includes manufacturing locations, but not corporate offices since actualized water risks at corporate offices are not likely to have a substantive strategic or financial impact. On the other hand, actualized water risks at manufacturing locations can impact our ability to meet our customer's needs and thus our potential revenue from the customer programs that we support. The actual percentage is 34% of our manufacturing locations that are considered to be exposed to water risks.

W4.1c

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

Country/Area & River basin

Brazil

Other, please specify

La Plata

Number of facilities exposed to water risk

2

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

1-10

Comment

Facilities include manufacturing locations, but not corporate offices since actualized water risks at corporate offices are not likely to have a substantive strategic or financial impact.

Country/Area & River basin

India

Krishna

Number of facilities exposed to water risk

2

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

1-10

Comment

Facilities include manufacturing locations, but not corporate offices since actualized water risks at corporate offices are not likely to have a substantive strategic or financial impact.

Country/Area & River basin

China

Other, please specify

China Coast

Number of facilities exposed to water risk

3

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

1-10

Comment

Facilities include manufacturing locations, but not corporate offices since actualized water risks at corporate offices are not likely to have a substantive strategic or financial impact.

Country/Area & River basin

India

Other, please specify

East Coast

Number of facilities exposed to water risk

1

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

1-10

Comment

Facilities include manufacturing locations, but not corporate offices since actualized water risks at corporate offices are not likely to have a substantive strategic or financial impact.

Country/Area & River basin

Mexico

Bravo

Number of facilities exposed to water risk

3

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

1-10

Comment

Facilities include manufacturing locations, but not corporate offices since actualized water risks at corporate offices are not likely to have a substantive strategic or financial impact.

Country/Area & River basin

Mexico

Other, please specify

Lerma

Number of facilities exposed to water risk

9

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

31-40

Comment

Facilities include manufacturing locations, but not corporate offices since actualized water risks at corporate offices are not likely to have a substantive strategic or financial impact.

Country/Area & River basin

Thailand

Other, please specify

Gulf of Thailand Coast

Number of facilities exposed to water risk

1

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

Less than 1%

Comment

Facilities include manufacturing locations, but not corporate offices since actualized water risks at corporate offices are not likely to have a substantive strategic or financial impact.

W4.2

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

Country/Area & River basin

Brazil

Other, please specify

La Plata

Type of risk & Primary risk driver

Chronic physical

Water scarcity

Primary potential impact

Disruption to sales

Company-specific description

Water is used in our facilities for process operations, facility operations, and for sanitation and hygiene uses. These applications include, but are not limited to, cooling water used on parts and in equipment, cleaning of equipment or facilities, landscape irrigation, and operation of toilets, sinks, and drinking fountains. Lack of water in quantities sufficient to maintain production capacity and/or sufficient to provide for the sanitation and hygiene needs of our associates could cause our facilities to stop operating. Cessation of operations would obviously negatively impact our ability to meet our customer's needs and thus our potential revenue from the customer programs that we support.

Timeframe

Unknown

Magnitude of potential impact

High

Likelihood

More likely than not

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Financial impact has not yet been quantified, but would likely be similar to the percentage of global revenue as indicated in the responses to W4.1c above.

Primary response to risk

Adopt water efficiency, water reuse, recycling and conservation practices

Description of response

AAM has instituted programs to aggressively identify and implement water conservation projects. All associates are encouraged to participate in these programs by adopting water efficiency, water reuse, recycling, and conservation practices. Most of the

projects are identified, scoped, and implemented by the associates. Our goals are qualitative covering water quality and scarcity, so we do not have quantitative targets for year-over-year reductions, but we still monitor withdrawals and encourage conservation to ensure that our water-related impacts continue to be minimized where possible.

Cost of response

Explanation of cost of response

Cost of the response has not yet been determined, but rather will be defined as projects are identified and implemented throughout the coming years.

Country/Area & River basin

India
Krishna

Type of risk & Primary risk driver

Chronic physical
Water scarcity

Primary potential impact

Disruption to sales

Company-specific description

Water is used in our facilities for process operations, facility operations, and for sanitation and hygiene uses. These applications include, but are not limited to, cooling water used on parts and in equipment, cleaning of equipment or facilities, landscape irrigation, and operation of toilets, sinks, and drinking fountains. Lack of water in quantities sufficient to maintain production capacity and/or sufficient to provide for the sanitation and hygiene needs of our associates could cause our facilities to stop operating. Cessation of operations would obviously negatively impact our ability to meet our customer's needs and thus our potential revenue from the customer programs that we support.

Timeframe

Unknown

Magnitude of potential impact

High

Likelihood

More likely than not

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Financial impact has not yet been quantified, but would likely be similar to the percentage of global revenue as indicated in the responses to W4.1c above.

Primary response to risk

Adopt water efficiency, water reuse, recycling and conservation practices

Description of response

AAM has instituted programs to aggressively identify and implement water conservation projects. All associates are encouraged to participate in these programs by adopting water efficiency, water reuse, recycling, and conservation practices. Most of the projects are identified, scoped, and implemented by the associates. We have an internal goal of 1% annual reduction in water consumption at each facility.

Cost of response

Explanation of cost of response

Cost of the response has not yet been determined, but rather will be defined as projects are identified and implemented throughout the coming years.

Country/Area & River basin

China

Other, please specify

China Coast

Type of risk & Primary risk driver

Chronic physical

Water scarcity

Primary potential impact

Disruption to sales

Company-specific description

Water is used in our facilities for process operations, facility operations, and for sanitation and hygiene uses. These applications include, but are not limited to, cooling water used on parts and in equipment, cleaning of equipment or facilities, landscape irrigation, and operation of toilets, sinks, and drinking fountains. Lack of water in quantities sufficient to maintain production capacity and/or sufficient to provide for the sanitation and hygiene needs of our associates could cause our facilities to stop operating. Cessation of operations would obviously negatively impact our ability to

meet our customer's needs and thus our potential revenue from the customer programs that we support.

Timeframe

Unknown

Magnitude of potential impact

High

Likelihood

More likely than not

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Financial impact has not yet been quantified, but would likely be similar to the percentage of global revenue as indicated in the responses to W4.1c above.

Primary response to risk

Adopt water efficiency, water reuse, recycling and conservation practices

Description of response

AAM has instituted programs to aggressively identify and implement water conservation projects. All associates are encouraged to participate in these programs by adopting water efficiency, water reuse, recycling, and conservation practices. Most of the projects are identified, scoped, and implemented by the associates. We have an internal goal of 1% annual reduction in water consumption at each facility.

Cost of response

Explanation of cost of response

Cost of the response has not yet been determined, but rather will be defined as projects are identified and implemented throughout the coming years.

Country/Area & River basin

India

Other, please specify

East Coast

Type of risk & Primary risk driver

Chronic physical

Water scarcity

Primary potential impact

Disruption to sales

Company-specific description

Water is used in our facilities for process operations, facility operations, and for sanitation and hygiene uses. These applications include, but are not limited to, cooling water used on parts and in equipment, cleaning of equipment or facilities, landscape irrigation, and operation of toilets, sinks, and drinking fountains. Lack of water in quantities sufficient to maintain production capacity and/or sufficient to provide for the sanitation and hygiene needs of our associates could cause our facilities to stop operating. Cessation of operations would obviously negatively impact our ability to meet our customer's needs and thus our potential revenue from the customer programs that we support.

Timeframe

Unknown

Magnitude of potential impact

High

Likelihood

More likely than not

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Financial impact has not yet been quantified, but would likely be similar to the percentage of global revenue as indicated in the responses to W4.1c above.

Primary response to risk

Adopt water efficiency, water reuse, recycling and conservation practices

Description of response

AAM has instituted programs to aggressively identify and implement water conservation projects. All associates are encouraged to participate in these programs by adopting water efficiency, water reuse, recycling, and conservation practices. Most of the

projects are identified, scoped, and implemented by the associates. We have an internal goal of 1% annual reduction in water consumption at each facility.

Cost of response

Explanation of cost of response

Cost of the response has not yet been determined, but rather will be defined as projects are identified and implemented throughout the coming years.

Country/Area & River basin

Mexico
Bravo

Type of risk & Primary risk driver

Chronic physical
Water scarcity

Primary potential impact

Disruption to sales

Company-specific description

Water is used in our facilities for process operations, facility operations, and for sanitation and hygiene uses. These applications include, but are not limited to, cooling water used on parts and in equipment, cleaning of equipment or facilities, landscape irrigation, and operation of toilets, sinks, and drinking fountains. Lack of water in quantities sufficient to maintain production capacity and/or sufficient to provide for the sanitation and hygiene needs of our associates could cause our facilities to stop operating. Cessation of operations would obviously negatively impact our ability to meet our customer's needs and thus our potential revenue from the customer programs that we support.

Timeframe

Unknown

Magnitude of potential impact

High

Likelihood

More likely than not

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Financial impact has not yet been quantified, but would likely be similar to the percentage of global revenue as indicated in the responses to W4.1c above.

Primary response to risk

Adopt water efficiency, water reuse, recycling and conservation practices

Description of response

AAM has instituted programs to aggressively identify and implement water conservation projects. All associates are encouraged to participate in these programs by adopting water efficiency, water reuse, recycling, and conservation practices. Most of the projects are identified, scoped, and implemented by the associates. We have an internal goal of 1% annual reduction in water consumption at each facility.

Cost of response

Explanation of cost of response

Cost of the response has not yet been determined, but rather will be defined as projects are identified and implemented throughout the coming years.

Country/Area & River basin

Mexico

Other, please specify

Lerma

Type of risk & Primary risk driver

Chronic physical

Water scarcity

Primary potential impact

Disruption to sales

Company-specific description

Water is used in our facilities for process operations, facility operations, and for sanitation and hygiene uses. These applications include, but are not limited to, cooling water used on parts and in equipment, cleaning of equipment or facilities, landscape irrigation, and operation of toilets, sinks, and drinking fountains. Lack of water in quantities sufficient to maintain production capacity and/or sufficient to provide for the sanitation and hygiene needs of our associates could cause our facilities to stop operating. Cessation of operations would obviously negatively impact our ability to meet our customer's needs and thus our potential revenue from the customer programs that we support.

Timeframe

Unknown

Magnitude of potential impact

High

Likelihood

More likely than not

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Financial impact has not yet been quantified, but would likely be similar to the percentage of global revenue as indicated in the responses to W4.1c above.

Primary response to risk

Adopt water efficiency, water reuse, recycling and conservation practices

Description of response

AAM has instituted programs to aggressively identify and implement water conservation projects. All associates are encouraged to participate in these programs by adopting water efficiency, water reuse, recycling, and conservation practices. Most of the projects are identified, scoped, and implemented by the associates. We have an internal goal of 1% annual reduction in water consumption at each facility.

Cost of response

Explanation of cost of response

Cost of the response has not yet been determined, but rather will be defined as projects are identified and implemented throughout the coming years.

Country/Area & River basin

Thailand

Other, please specify

Gulf of Thailand Coast

Type of risk & Primary risk driver

Chronic physical
Water scarcity

Primary potential impact

Disruption to sales

Company-specific description

Water is used in our facilities for process operations, facility operations, and for sanitation and hygiene uses. These applications include, but are not limited to, cooling water used on parts and in equipment, cleaning of equipment or facilities, landscape irrigation, and operation of toilets, sinks, and drinking fountains. Lack of water in quantities sufficient to maintain production capacity and/or sufficient to provide for the sanitation and hygiene needs of our associates could cause our facilities to stop operating. Cessation of operations would obviously negatively impact our ability to meet our customer's needs and thus our potential revenue from the customer programs that we support.

Timeframe

Unknown

Magnitude of potential impact

High

Likelihood

More likely than not

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Financial impact has not yet been quantified, but would likely be similar to the percentage of global revenue as indicated in the responses to W4.1c above.

Primary response to risk

Adopt water efficiency, water reuse, recycling and conservation practices

Description of response

AAM has instituted programs to aggressively identify and implement water conservation projects. All associates are encouraged to participate in these programs by adopting water efficiency, water reuse, recycling, and conservation practices. Most of the projects are identified, scoped, and implemented by the associates.

Cost of response

Explanation of cost of response

Cost of the response has not yet been determined, but rather will be defined as projects are identified and implemented throughout the coming years.

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	Not yet evaluated	Although it is logical that there would be risks within our value chain (with our suppliers, primarily), an assessment has yet to be made and thus no risks have been identified. A water risk assessment will be conducted during 2022. The assessment will include risks from water stress and depletion, as well as riverine or coastal flood risk. It will evaluate our facilities and those of our Tier 1 suppliers, if possible.

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	Water is vital to our operations and to the health and welfare of our associates, and we recognize that there are always opportunities to implement water conservation practices. However, none of these are likely to have a substantive financial or strategic impact on our business. Recognizing the value of water to our processes and plants is integral to reducing the potential risk from water scarcity (either by quality or quantity), we established a goal of eliminating any impact to water quality or level of availability in 2021. Our products themselves are not water-intensive, so the opportunities exist within our processes and plants, such as optimization of cooling water use, modifications of cooling tower operations, implementation of water-efficient sanitation and hygiene devices, etc.

W5. Facility-level water accounting

W5.1

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

Facility reference number
Facility 1

Facility name (optional)
Araucaria Manufacturing Facility

Country/Area & River basin
Brazil
Other, please specify
La Plata

Latitude
-25.5508

Longitude
-49.3799

Located in area with water stress
Yes

Total water withdrawals at this facility (megaliters/year)
29.3

Comparison of total withdrawals with previous reporting year
Much higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 2

Facility name (optional)

Chakan Manufacturing Facility

Country/Area & River basin

India
Krishna

Latitude

18.7999

Longitude

73.7759

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

0.4

Comparison of total withdrawals with previous reporting year

Much higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 3

Facility name (optional)

Changshu Manufacturing Complex - Plant 1

Country/Area & River basin

China

Other, please specify

China Coast

Latitude

31.7293

Longitude

121.028

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

63.4

Comparison of total withdrawals with previous reporting year

Much higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 4

Facility name (optional)

Changshu Manufacturing Complex - Plant 2

Country/Area & River basin

China

Other, please specify

China Coast

Latitude

31.7219

Longitude

121.023

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

0

Comparison of total withdrawals with previous reporting year

About the same

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Water withdrawals for this facility are included with Facility 3. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 5

Facility name (optional)

Chennai Manufacturing Complex

Country/Area & River basin

India

Other, please specify

India East Coast

Latitude

12.7164

Longitude

80.0202

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

7.4

Comparison of total withdrawals with previous reporting year

Much higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 6

Facility name (optional)

El Carmen Manufacturing Facility

Country/Area & River basin

Mexico
Bravo

Latitude

25.8896

Longitude

-101.3864

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

162.5

Comparison of total withdrawals with previous reporting year

Much higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 7

Facility name (optional)

Guanajuato Forge

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.8988

Longitude

-101.3864

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

41.3

Comparison of total withdrawals with previous reporting year

Much higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 8

Facility name (optional)

Guanajuato Manufacturing Complex - Plant 1

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.8988

Longitude

-101.3864

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

176.7

Comparison of total withdrawals with previous reporting year

About the same

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 9

Facility name (optional)

Guanajuato Manufacturing Complex - Plant 2

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.8988

Longitude

-101.3864

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

Comparison of total withdrawals with previous reporting year

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Water withdrawals for this facility are included with Facility 8. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 10

Facility name (optional)

Guanajuato Manufacturing Complex - Plant 3

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.8988

Longitude

-101.3864

Located in area with water stress

Total water withdrawals at this facility (megaliters/year)

5

Comparison of total withdrawals with previous reporting year

Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 11

Facility name (optional)

Guanajuato Manufacturing Complex - Plant 4

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.8988

Longitude

-101.3864

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

73.2

Comparison of total withdrawals with previous reporting year

Higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 12

Facility name (optional)

Guanajuato Manufacturing Complex - Plant 5

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.8988

Longitude

-101.3864

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

32.6

Comparison of total withdrawals with previous reporting year

About the same

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 13

Facility name (optional)

Guanajuato Manufacturing Complex - Plant 6

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.8988

Longitude

-101.3864

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

63.9

Comparison of total withdrawals with previous reporting year

Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 14

Facility name (optional)

Indaiatuba Manufacturing Facility

Country/Area & River basin

Brazil

Other, please specify

Latitude

-23.137

Longitude

-47.2364

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

1.1

Comparison of total withdrawals with previous reporting year

Higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 15

Facility name (optional)

Las Colinas Manufacturing Facility

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.9675

Longitude

-101.4255

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

28.4

Comparison of total withdrawals with previous reporting year

Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 16

Facility name (optional)

Pune Manufacturing Facility

Country/Area & River basin

India
Krishna

Latitude

18.9677

Longitude

74.5217

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

63.9

Comparison of total withdrawals with previous reporting year

Much higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 17

Facility name (optional)

Ramos Manufacturing Complex - Plant 1

Country/Area & River basin

Mexico
Bravo

Latitude

25.5664

Longitude

-100.9241

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

14.5

Comparison of total withdrawals with previous reporting year

Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 18

Facility name (optional)

Ramos Manufacturing Complex - Plant 2

Country/Area & River basin

Mexico
Bravo

Latitude

25.5664

Longitude

-100.9241

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

2.7

Comparison of total withdrawals with previous reporting year

Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 19

Facility name (optional)

Rayong Manufacturing Facility

Country/Area & River basin

Thailand

Other, please specify

Gulf of Thailand Coast

Latitude

13.0662

Longitude

101.1773

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

10.2

Comparison of total withdrawals with previous reporting year

Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 20

Facility name (optional)

Silao Manufacturing Facility

Country/Area & River basin

Mexico

Other, please specify

Lerma

Latitude

20.9675

Longitude

-101.4255

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

35.9

Comparison of total withdrawals with previous reporting year

Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

Facility reference number

Facility 21

Facility name (optional)

Suzhou Manufacturing Facility

Country/Area & River basin

China

Other, please specify

China Coast

Latitude

31.3214

Longitude

120.8067

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

28.5

Comparison of total withdrawals with previous reporting year

Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

Withdrawals from brackish surface water/seawater

Withdrawals from groundwater - renewable

Withdrawals from groundwater - non-renewable

Withdrawals from produced/entrained water

Withdrawals from third party sources

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please explain

Withdrawals are classified as "much lower" if they are less than -20% of the current value, "lower" if they are between -20% and -10%, "about the same" if they are in the range of -10% and +10%, "higher" if they are +10% to +20%, and "much higher" if they are more than 20% of the current value. Withdrawal sources are not currently tracked, nor are water discharge volumes or destinations.

W5.1a

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

Water withdrawals – total volumes

% verified

76-100

Verification standard used

ISO 14064-3

Water withdrawals – volume by source

% verified

Not verified

Please explain

The volume of water withdrawals by source is not currently tracked at our facilities, and therefore could be verified.

Water withdrawals – quality by standard water quality parameters

% verified

Not verified

Please explain

The majority of our facilities monitor the quality of our water withdrawals, but these numbers were not requested to be verified by our third-party verifier.

Water discharges – total volumes

% verified

Not verified

Please explain

The volume of water discharges is not currently tracked at our facilities, and therefore could not be verified.

Water discharges – volume by destination

% verified

Not verified

Please explain

The volume of water discharges by destination is not currently tracked at our facilities, and therefore could not be verified.

Water discharges – volume by final treatment level

% verified

Not verified

Please explain

Some of our facilities monitor discharge volume by treatment method, but these numbers were not requested to be verified by our third-party verifier.

Water discharges – quality by standard water quality parameters

% verified

Not verified

Please explain

Most of our facilities monitor the quality of their water discharges, but these numbers were not requested to be verified by our third-party verifier.

Water consumption – total volume

% verified

Not verified

Please explain

The volume of water consumption is not currently tracked at our facilities, and therefore could not be verified.

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	Commitments beyond regulatory compliance Commitment to water stewardship and/or collective action	Our Environmental Policy Statement is company-wide in scope that reflects our dedication to the protection and conservation of the environment. We are committed to helping to ensure a green future through social responsibility, global compliance, and the reduction of energy use, waste, and pollution. In this context, it primarily prescribes compliance with respect to water and going beyond mere compliance to encourage pollution prevention through the processes of continuous improvement and the deployment of our environmental management system. The content elements have not been previously identified as ones of concern for documentation in a policy document specifically directed at water; however, preparation of a water stewardship plan that would include policy commitments is being considered for preparation in 2022.

W6.2

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

Yes

W6.2a

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

Position of individual	Please explain
Chief Executive Officer (CEO)	AAM's CEO also serves as Chairman of the Board. The Chairman & CEO plays a critical role in our sustainability program. The CEO has the highest level of authority and responsibility to drive operational performance that is aligned with a business strategy that includes mitigating AAM's environmental impact and leading AAM to a more sustainable future. The Chairman of the Board decided to add an update by the President on our Environmental Sustainability Program as an agenda item for every quarterly meeting. The President's reports to the Board cover Environmental Program highlights and achievements, including specific steps undertaken to meet program objectives, and a progress report on quarterly environmental priorities.
Board-level committee	The Policy Committee, led by the CEO and consisting of C-suite leaders, is responsible for policy-making and implementation, including determination of material topics and goals related to water. This committee meets at least quarterly and receives regular updates from the sustainability executive champion on achievements of AAM's Energy & Environment Strategy. In 2021, the Policy Committee set new water-related goals. This decision received full support of the Nominating/Corporate Governance Committee and the full Board.
Board-level committee	The full Board plays a critical role in AAM's Sustainability Program through effective oversight and responsiveness to feedback from shareholders and other stakeholders. The Board has been actively engaged in overseeing AAM's Sustainability Program over the past several years and receives quarterly updates from the President as a regular agenda item. The Board has delegated responsibility for oversight of AAM's Sustainability Program to the Nominating/Corporate Governance Committee. According to its charter, this committee is responsible for oversight of Company policies, strategies and performance related to sustainability matters and corporate social responsibility. It reviews sustainability matters with management at least annually and provides updates to the full Board. During 2021, as part of the annual Sustainability Program update, this Committee received an update on AAM's Energy and Environmental Program, including a report on the 2021 launch of AAM's new Operating System Module - E4 (E-to- the-fourth) - that is designed to improve the environmental impact of our global engineering and manufacturing operations. The Committee also reviewed 2021 Environmental Sustainability Priorities.
Board-level committee	Other standing Board committees oversee sustainability topics related to their areas of responsibility. The Audit Committee oversees the company's overall risk management program, including water risk, and key aspects of the ethics and compliance program. This committee's charter also assigns responsibility for

	oversight of compliance and regulatory matters, including those related to environmental issues facing the Company.
Board-level committee	Other standing Board committees oversee sustainability topics related to their areas of responsibility. The Compensation Committee structures executive compensation programs to drive performance aligned with our business strategy, including advancements in our sustainability program, a key component of which is environmental sustainability goals and initiatives, including climate.

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	Sporadic - as important matters arise	Monitoring implementation and performance Overseeing acquisitions and divestiture Overseeing major capital expenditures Reviewing and guiding annual budgets Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding strategy Reviewing and guiding corporate responsibility strategy Setting performance objectives	The Board recognizes the importance of ensuring that our business strategy is designed to create sustainable long-term value for AAM's shareholders and other stakeholders. Our Board and management team greatly value the opinions and feedback of our shareholders, which the Company solicits through a proactive, ongoing engagement throughout the year focused on corporate governance, executive compensation and sustainability. The Board oversees this program and receives quarterly reports on shareholder feedback from AAM's CFO. The Board takes this feedback into consideration in decision-making about sustainability program initiatives, goal setting and incentive compensation. These decisions are described throughout this questionnaire and in the Company's 2022 proxy statement published on March 25, 2022. The Board is actively engaged in overseeing AAM's progress in achieving initial environmental ahead of schedule (5-year GHG, energy and water reduction goals of 5% set for the end of 2024 were achieved in 2020). The President provides quarterly updates on AAM's ESG program strategy, integration into the business plan, employee and community engagement, goal setting and progress against pre-established goals, and sustainability reporting. The Board also received reports of shareholder interest

			in AAM's CDP scores. Following the achievement of environmental goals, the President proposed, and the Board approved new environmental goals (for energy and emissions reductions and water management). The new E4 module to AAM's operating system was launched to further measure and improve the environmental impact of our global engineering and manufacturing operations, water usage, carbon-free and renewable energy purchases, and energy intensity.

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
Row 1	Not assessed

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)

Chief Executive Officer (CEO)

Responsibility

Managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

The corporate Policy Committee (led by the CEO) sets policy and oversees implementation of Sustainability Program initiatives. The Policy Committee meets at least quarterly and receives reports on water-related matters as a standalone topic (by EHS) or as water-related issues are embedded in the Committee's policy directives affecting our global operations. The Risk Management Working Group (RMWG) identifies, quantifies, and addresses mitigation of risks not related to day-to-day operations that could impair AAM's ability to accomplish business objectives. This cross-functional, executive-level group meets 6-8 times per year (or more as required) to identify the top ten risks to the business, which are then reviewed by the Policy Committee and the Board of Directors (led by the CEO).

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

President

Responsibility

Managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

The President serves as Sustainability Program Lead and is responsible for guiding and directing AAM's corporate sustainability initiatives and is a member of the corporate Policy Committee (led by the CEO), which sets policy and oversees implementation of Sustainability Program initiatives, including environmental programs. The Policy Committee meets at least quarterly and receives reports on water-related matters as a standalone topic (by EHS) or as climate related issues are embedded in virtually all aspects of decision-making about company policy directives. The President has formed a group of Sustainability Program Channel Champions that includes leaders and subject matter experts in the areas of Environment Health & Safety, Human Resources, Legal, Procurement, Supply Chain Management, Product Development, Investor Relations and Marketing & Communications. This group meets quarterly to discuss development of the annual sustainability report and related matters.

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

Environmental health and safety manager

Responsibility

Assessing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

The President has formed a group of Sustainability Program Channel Champions that includes leaders and subject matter experts in the areas of Environment Health & Safety, Human Resources, Legal, Procurement, Supply Chain Management, Product Development, Investor Relations and Marketing & Communications. This group meets quarterly to discuss development of the annual sustainability report and related matters. Individuals in this group also are responsible for execution of channel-level goals, objectives and deliverables.

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

Other, please specify

Policy Committee

Responsibility

Managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

The Corporate Policy Committee, led by the CEO, is the highest-level management committee and consists of the President, VP & Chief Financial Officer, VP - Human Resources, VP & General Counsel and AAM's Driveline and Metal Forming Business Unit Presidents. This committee sets policy and oversees implementation of Sustainability Program initiatives, including environmental and water-related programs. The Policy Committee meets at least quarterly and receives reports on climate-related matters as a standalone topic (by EHS) or as climate related issues are embedded in decision-making about company policy directives.

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

Risk committee

Responsibility

Managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

The formal risk management process begins with the Risk Management Working Group (RMWG) with the purpose of identifying, quantifying, and mitigating risks not related to day-to-day operations that could impair AAM's ability to accomplish business objectives. This cross-functional, executive-level group meets 6-8 times per year (or more as required) to identify the top ten risks to the business. These top ten priorities are then reviewed by the Policy Committee as well as the Board of Directors.

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	The Compensation Committee designed AAM's annual incentive program for executive officers to include a strategic component that emphasizes the importance of the attainment of our priorities that support AAM as a premier global Tier 1 automotive supplier. Pay

		opportunities for executive officers under this program are measured, in part, by the Company's progress in the areas of ESG, including environmental goal attainment. The annual bonus program for salaried associates includes a component that is tied to performance of Company-wide ESG goals. The monetary award is determined, in part, by ESG achievements of the Company.

W6.4a

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

	Role(s) entitled to incentive	Performance indicator	Please explain
Monetary reward	Board chair Board/Executive board Director on board Corporate executive team Chief Executive Officer (CEO) Chief Financial Officer (CFO) Chief Operating Officer (COO) Chief Purchasing Officer (CPO)	Reduction of water withdrawals Reduction in consumption volumes Improvements in efficiency - direct operations Improvements in waste water quality - direct operations	For 2021, the Compensation Committee determined that 20% of the annual incentive award would be based on achievement of strategic priorities, including ESG initiatives. The Committee recognized progress made on ESG objectives (including water-related goals) in determining the amount of the 2021 annual incentive award. In response to shareholder feedback, the Committee refined this component of the annual incentive compensation program, beginning in 2022, to link a specific percentage of pay opportunity to performance of sustainability program-related goals. Relative to water, these goals include elimination of impacts to water quality and availability.
Non-monetary reward	No one is entitled to these incentives		

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, but we plan to do so in the next two years

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?	Please explain
Long-term business objectives	No, water-related issues were not reviewed and there are no plans to do so	Water-related issues are not likely to affect our long-term business objectives. AAM is not a business of the type where water issues enter into the establishment of long-term business objectives. However, they may be a consideration in the strategy for achieving those same objectives.
Strategy for achieving long-term objectives	No, water-related issues not yet reviewed, but there are plans to do so in the next two years	Water risk, which is expected to be evaluated in detail in the near future, may affect our strategy for achieving the long-term business objectives, but this effect, if any, is not known at this time.
Financial planning	No, water-related issues were not reviewed and there are no plans to do so	As 'financial planning' ' is defined to include long-term capital allocation and other considerations that may extend beyond a 5-year period (e.g., investment, research and development, manufacturing, and markets), water-related issues are not considered in this process at this time.

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)

0

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

0

Water-related OPEX (+/- % change)

0

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

0

Please explain

Water is a small portion of our capital and operational expenditures, reflecting both the cost of water and the magnitude of our water use. The cost of environmental compliance, of which wastewater management such as the operations of wastewater treatment facilities at several plants and disposal of containerized aqueous waste was the largest subset (but which also includes permitting, testing, etc.), was less than $3M in 2021 for both CAPEX and OPEX. These costs are expected to be consistent in future years, since we upgrade or replace wastewater treatment facilities at a constant pace, the compliance costs stay fairly constant, and we are not seeing significant increases in water prices.

W7.3

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

	Use of scenario analysis	Comment
Row 1	No, but we anticipate doing so within the next two years	We plan on conducting a water risk assessment in 2022, and this will include the use of scenario analysis. WRI Aqueduct will be the primary tool used.

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

The relevancy of establishing and using an internal price on water has not been assessed.

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	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	Judged to be unimportant, explanation provided	Our products have very low water intensity, both in the production and use phases. Their primary environmental impacts are in the areas of climate and energy, and many

	within the next two years		of our products can be classified as low-carbon products.

W8. Targets

W8.1

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

	Levels for targets and/or goals	Monitoring at corporate level	Approach to setting and monitoring targets and/or goals
Row 1	Company-wide targets and goals Site/facility specific targets and/or goals	Targets are monitored at the corporate level	Recognizing that stewardship of water resources is important, we established an annual water conservation target. No consideration of water stress, geographic, regulatory, or other contextual factors, or even formal motivations such as the SDGs. Targets are monitored at the facility level and aggregated up to the corporate level. We also established qualitative goals to maintain our lack of impact on potential water scarcity and to maintain our 100% compliance with permits, regulations, and laws pertinent to water resources.

W8.1a

(W8.1a) Provide details of your water targets that are monitored at the corporate level, and the progress made.

Target reference number

Target 1

Category of target

Water consumption

Level

Company-wide

Primary motivation

Reduced environmental impact

Description of target

We monitor variances to ensure that there are no significant variations or misuse of water withdrawals, and to ensure that there are no impacts to water quality or

availability. This goal is the same for all river basins and facilities, with no accounting for local challenges or risks.

Quantitative metric

% reduction in total water consumption

Baseline year

2020

Start year

2021

Target year

2021

% of target achieved

100

Please explain

This target was achieved for 2021.

Target reference number

Target 2

Category of target

Water discharge

Level

Company-wide

Primary motivation

Water stewardship

Description of target

Our goal is to have zero incidents of water contamination or water scarcity in watersheds where we operate.

Quantitative metric

Other, please specify

Zero incidents of water contamination or water scarcity

Baseline year

2020

Start year

2021

Target year

2021

% of target achieved

100

Please explain

This target was achieved for 2021. No violations of water-related permits, regulations, or laws occurred, continuing our exemplary record of regulatory compliance. No incidents of water scarcity attributable to our operations happened.

W9. Verification

W9.1

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

No, but we are actively considering verifying within the next two years

W10. Sign off

W-FI

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

W10.1

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

	Job title	Corresponding job category
Row 1	President	President

W10.2

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

No

SW. Supply chain module

SW0.1

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

	Annual revenue
Row 1	5,157,000,000

SW1.1

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

Yes, CDP supply chain members buy goods or services from facilities listed in W5.1

SW1.1a

(SW1.1a) Indicate which of the facilities referenced in W5.1 could impact a requesting CDP supply chain member.

Facility reference number

Facility 1

Facility name

Araucaria Manufacturing Facility

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 2

Facility name

Chakan Manufacturing Facility

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 2

Facility name

Chakan Manufacturing Facility

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 3

Facility name

Changshu Manufacturing Complex - Plant 1

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 3

Facility name

Changshu Manufacturing Complex - Plant 1

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 4

Facility name

Changshu Manufacturing Complex - Plant 2

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 4

Facility name

Changshu Manufacturing Complex - Plant 2

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 7

Facility name

Guanajuato Forge

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 7

Facility name

Guanajuato Forge

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 8

Facility name

Guanajuato Manufacturing Complex - Plant 1

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 8

Facility name

Guanajuato Manufacturing Complex - Plant 1

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 9

Facility name

Guanajuato Manufacturing Complex - Plant 2

Requesting member

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 9

Facility name

Guanajuato Manufacturing Complex - Plant 2

Requesting member

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 10

Facility name

Guanajuato Manufacturing Complex - Plant 3

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 10

Facility name

Guanajuato Manufacturing Complex - Plant 3

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 11

Facility name

Guanajuato Manufacturing Complex - Plant 4

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 11

Facility name

Guanajuato Manufacturing Complex - Plant 4

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned

quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 12

Facility name

Guanajuato Manufacturing Complex - Plant 5

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 12

Facility name

Guanajuato Manufacturing Complex - Plant 5

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 13

Facility name

Guanajuato Manufacturing Complex - Plant 6

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 13

Facility name

Guanajuato Manufacturing Complex - Plant 6

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 15

Facility name

Las Colinas Manufacturing Facility

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned

quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 15

Facility name

Las Colinas Manufacturing Facility

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 17

Facility name

Ramos Manufacturing Complex - Plant 1

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 17

Facility name

Ramos Manufacturing Complex - Plant 1

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 18

Facility name

Ramos Manufacturing Complex - Plant 2

Requesting member

Ford Motor Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number

Facility 18

Facility name

Ramos Manufacturing Complex - Plant 2

Requesting member

General Motors Company

Description of potential impact on member

Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned

quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number
Facility 19

Facility name
Rayong Manufacturing Facility

Requesting member
Ford Motor Company

Description of potential impact on member
Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

Facility reference number
Facility 21

Facility name
Suzhou Manufacturing Facility

Requesting member
General Motors Company

Description of potential impact on member
Lack of availability of water in whole or in part will affect our ability to supply products to the requesting member, hindering or eliminating their ability to produce their planned quantity of vehicles. Specific financial impacts are not available, either for AAM or for the requesting member.

Comment

SW1.2

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

	Are you able to provide geolocation data for your facilities?	Comment

Row 1	Yes, for all facilities	

SW1.2a

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

Identifier	Latitude	Longitude	Comment
AAM Winter Test Center	66.0522	18.0205	
Advanced Technology Development Center	42.3888	-83.064	
Araucaria Manufacturing Facility	-25.5508	-49.3799	
Asia Headquarters & Engineering Center	31.2784	121.4414	
Auburn Hills Manufacturing Complex - Plant 1	42.6915	-83.2557	
Auburn Hills Manufacturing Complex - Plant 2	42.6915	-83.2557	
Barcelona Manufacturing Facility	41.3046	2.0194	
Bluffton Manufacturing Facility	40.7229	-85.1763	
Bolingbrook Manufacturing Facility	41.6843	-88.0518	
Chakan Manufacturing Facility	18.7999	73.7759	
Changshu Manufacturing Complex - Plant 1	31.7293	121.028	
Changshu Manufacturing Complex - Plant 2	31.7293	121.028	
Chennai Manufacturing Complex	12.7164	80.0202	
Chicago Manufacturing Facility	42.8218	-87.6333	
Columbus Manufacturing Facility	39.1391	-85.9542	
Decines Manufacturing Facility	45.754	4.942	
Detroit Business Office	42.3897	-83.0627	
Eisenach Manufacturing Facility	51.0102	10.2567	
El Carmen Manufacturing Facility	25.889	-100.3495	
Emporium Manufacturing Facility	41.0584	-78.2458	
Europe Headquarters & Engineering Center	50.003	8.6534	
Fort Wayne Manufacturing Facility	41.1405	-85.1779	
Fraser Manufacturing Facility	42.5523	-82.9322	
Fremont Manufacturing Facility	41.7286	-84.929	
Glasgow Manufacturing Facility	55.8774	-4.3549	
Guanajuato Forge	20.8988	-101.3864	
Guanajuato Manufacturing Complex - Plants 1-6	20.8988	-101.3864	
Halifax Manufacturing Complex	53.7177	-1.8853	
Indaiatuba Manufacturing Facility	-23.137	-47.2364	
Information Technology Center	42.484	-83.2444	

Las Colinas Manufacturing Facility	20.9675	-101.4255	
Litchfield Manufacturing Facility	42.0318	-84.7572	
Luxembourg Business Office	49.6606	5.924	
Lyon Manufacturing Facility	45.721	4.8692	
Malvern Manufacturing Facility	40.6907	-81.1618	
Minerva Manufacturing Facility	40.7234	-81.1163	
North Vernon Manufacturing Facility	39.0302	-85.6391	
Nurnberg Manufacturing Facility	49.4783	11.1281	
Oslavany Manufacturing Facility	49.1213	16.3405	
Oxford Forge	42.8597	-83.2921	
Oxford Manufacturing Facility	42.8688	-83.2908	
Pune Business Office & Engineering Center	18.5597	73.9105	
Pune Engineering & Development Center	18.5617	73.9628	
Pune Manufacturing Facility	18.9677	74.5217	
Pyeongtaek Manufacturing Facility	37.0533	126.9775	
Ramos Manufacturing Complex - Plant 1	25.5664	-100.9241	
Ramos Manufacturing Complex - Plant 2	25.5664	-100.9241	
Rayong Manufacturing Facility	13.0662	101.1773	
Ridgway Manufacturing Facility	41.4133	-78.7109	
Rochester Hills Technical Center	42.6372	-83.1943	
Rochester Manufacturing Facility	41.0716	-86.1888	
Royal Oak Manufacturing Facility	42.5322	-83.1795	
Shanghai Business Office	31.2386	121.5076	
Silao Manufacturing Facility	20.9675	-101.4255	
Southfield Business Office	42.4835	-83.2545	
St. Marys Manufacturing Facility	41.4539	-78.547	
Subiaco Manufacturing Facility	35.2953	-93.6433	
Suzhou Manufacturing Facility	31.3214	120.8067	
Swidnica Manufacturing Facility	50.8545	16.5207	
Three Rivers Manufacturing Facility	41.9573	-85.6421	
Tokyo Business Office	35.6748	139.778	
Troy Manufacturing Facility	42.5487	-83.1561	
Twinsburg Manufacturing Facility	41.2882	-81.4597	
Valencia Manufacturing Facility	39.3104	-0.4205	
Warren Manufacturing Facility	42.5161	-83.0669	

World Headquarters	42		
Zbysov Manufacturing Facility	49.154	16.3458	
Zell Manufacturing Facility	48.3495	8.0791	

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 confirm below

I have read and accept the applicable Terms