

W0. Introduction

W0.1

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

Maxim Integrated Products, Inc. designs, develops, manufactures and markets a broad range of linear and mixed-signal integrated circuits, commonly referred to as analog circuits for a large number of customers in diverse geographical locations. We are a leader in analog innovation and integration, unique among semiconductor companies in the range of disparate analog functions that we can combine onto a single chip. Maxim's highly integrated solutions help customers create systems that are smaller and more energy efficient.

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 2018	December 31 2018

W0.3

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

- Philippines
- Thailand
- 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

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	Freshwater is critical to our manufacturing process operations and office climate control.
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Neutral	Recycled, brackish and/or produced water is not important providing that we have sufficient amount of good quality freshwater available.

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	Over 95% of all water use is from manufacturing and testing facilities where the water usage is tracked.
Water withdrawals – volumes from water stressed areas	1-25	Approximately 9% of Maxim's water usage is from an area classified as stressed.
Water withdrawals – volumes by source	76-99	
Entrained water associated with your metals & mining sector activities - total volumes [only metals and mining sectors]	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>
Water withdrawals quality	1-25	
Water discharges – total volumes	76-99	
Water discharges – volumes by destination	76-99	
Water discharges – volumes by treatment method	76-99	
Water discharge quality – by standard effluent parameters	76-99	
Water discharge quality – temperature	76-99	
Water consumption – total volume	Please select	
Water recycled/reused	1-25	
The provision of fully-functioning, safely managed WASH services to all workers	100%	

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	1340365	About the same	CY2017 was 1,341,831, so reduced by 0.11% despite production increasing 9.23%.
Total discharges	880331	Higher	Rough estimate. Increase is due to increase in production and testing activity. This is an estimate that could be off by +/- 9,000 to 44,000 M3 or 1% to 5%. An estimate was necessary since one of our sites could not provide the discharge data. The estimate was based on knowledge of current operations and total water used at the facility.
Total consumption	0	About the same	Data is currently not available but is expected to be within 1-2% of CY2017.

W1.2d

(W1.2d) Provide the proportion of your total withdrawals sourced from water stressed areas.

	% withdrawn from stressed areas	Comparison with previous reporting year	Identification tool	Please explain
Row 1	9	Higher	WRI Aqueduct	Increased testing activity resulted in more water usage at this location.

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	Relevant	1340365	About the same	NA
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	
Groundwater – renewable	Not relevant	<Not Applicable>	<Not Applicable>	
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	
Third party sources	Not relevant	<Not Applicable>	<Not Applicable>	

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water	Not relevant	<Not Applicable>	<Not Applicable>	
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	
Third-party destinations	Relevant	880331	Higher	Sent to POTW. Increase of 4.2% of CY2017 due to increased production and testing activity. Please note that the value of 880,331 M3 may be off by +/- 1% to 5% since the discharged volume from one site was estimated.

W1.2j

(W1.2j) What proportion of your total water use do you recycle or reuse?

	% recycled and reused	Comparison with previous reporting year	Please explain
Row 1	1-10	About the same	Rough estimate.

W1.4

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

No, not currently but we intend to within two years

W1.4d

(W1.4d) Why do you not engage with any stages of your value chain on water-related issues and what are your plans?

	Primary reason	Please explain
Row 1	We are planning to do so within the next two years	NA

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?

No, water risks-related are not assessed

W3.3e

(W3.3e) Why does your organization not undertake a water-related risk assessment?

	Primary reason	Please explain
Row 1	We are planning to introduce a risk assessment process within the next two years	

W4. Risks and opportunities

W4.1

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

No

W4.1a

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

Substantive financial or strategic impact is defined as an impact that could affect 1% or greater of our total product output or revenue.

W4.2b

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

	Primary reason	Please explain
Row 1	Not yet evaluated	NA

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	NA

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	NA

W6. Governance

W6.1

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

No, but we plan to develop one within the next 2 years

W6.2

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

No

W6.2c

(W6.2c) Why is there no board-level oversight of water-related issues and what are your plans to change this in the future?

	Primary reason	Board level oversight of water-related issues will be introduced in the next two years	Please explain
Row 1		Yes	NA

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)

Environment/Sustainability manager

Responsibility

Assessing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

Annually

Please explain

CY2017 data was published in Maxim's Corporate Responsibility Report that was released in February 2019. The report was reviewed by executive-level staff and the Board of Directors. This report will be published on an annual basis.

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?

Yes, trade associations

W6.5a

(W6.5a) What processes do you have in place to ensure that all of your direct and indirect activities seeking to influence policy are consistent with your water policy/water commitments?

None yet.

W6.6

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

No, and we have no plans to do so

W7. Business strategy

W7.1

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

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	No, water-related issues not yet reviewed, but there are plans to do so in the next two years	<Not Applicable>	NA
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	<Not Applicable>	NA
Financial planning	No, water-related issues not yet reviewed, but there are plans to do so in the next two years	<Not Applicable>	NA

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 supply and quality is not yet a critical business threat since 69% of Maxim's water usage occurs in a low-stress water basin (Columbia Basin, Northwest United States). In past years Maxim has divested from manufacturing in high-stress water basins.

W7.3

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

	Use of climate-related scenario analysis	Comment
Row 1	No plans for the next two years	NA

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

NA

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	Targets are monitored at the corporate level Goals are monitored at the corporate level	3% normalized reduction to annual production was established for CY2018.

W8.1a

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

Target reference number

Target 1

Category of target

Water withdrawals

Level

Company-wide

Primary motivation

Cost savings

Description of target

3% normalized reduction to production is set annually.

Quantitative metric

% reduction in total water withdrawals

Baseline year

2017

Start year

2018

Target year

2018

% achieved

8.55

Please explain

CY2018 yielded a normalized reduction in water usage of 8.55 percent vs. the goal of 3% based on 2017 values.

W8.1b

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

Goal

Promotion of water data transparency

Level

Company-wide

Motivation

Cost savings

Description of goal

NA

Baseline year

2017

Start year

2018

End year

2018

Progress

Reduction of 8.55 percent normalized occurred for CY2018 in comparison to CY2017. This will be reported in the next annual Corporate Responsibility Report.

W9. Linkages and trade-offs

W9.1

(W9.1) Has your organization identified any linkages or tradeoffs between water and other environmental issues in its direct operations and/or other parts of its value chain?

No

W9.1b

(W9.1b) Why has your organization not identified any linkages or tradeoffs between water and other environmental issues?

	Primary reason	Please explain
Row 1	Not considered, but we have plans to do so in the next 2 years	NA

W10. Verification

W10.1

(W10.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1d)?

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

W11. Sign off

W-FI

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

NA

W11.1

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

	Job title	Corresponding job category
Row 1	Corporate Director of Environmental Health and Safety & Sustainability	EHS manager

W11.2

(W11.2) 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	2497000000

SW0.2

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

Yes

SW0.2a

(SW0.2a) Please share your ISIN in the table below.

	ISIN country code	ISIN numeric identifier (including single check digit)
Row 1	US	57772K1016

SW1.1

(SW1.1) Have you identified if any of your facilities reported in W5.1 could have an impact on a requesting CDP supply chain member?

We do not have this data but we intend to collect it within two years

SW1.2

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

Yes, for all facilities

SW1.2a

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

Identifier	Latitude	Longitude	Comment
Headquarters Campus/San Jose, California	37.405415	121.94996	Worldwide headquarters, testing location.
Beaverton, Oregon Manufacturing Center	45.502095	122.824664	Manufacturing Center
Cavite, Philippines Test Center	14.268811	120.92279	Testing Center
Chonburi, Thailand Test Center	13.419685	101.008389	Testing Center

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 across its operations.

Product name

Water Used Per Semiconductors Manufactured: CY2017: 1.15 liters per unit (chip) CY2018: 1.05 liters per unit (chip) 1150.1

Water intensity value

1.05

Numerator: Water aspect

Water withdrawn

Denominator: Unit of production

Per unit or per chip.

Comment

NA

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

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

Please confirm below

I have read and accept the applicable Terms