



EMC CORPORATION 2011 CDP WATER DISCLOSURE

EMC RESPONSES TO CARBON DISCLOSURE PROJECT WATER DISCLOSURE 2011

EMC²

TABLE OF CONTENTS

| | |
|-------------------------------------------------------------------|----|
| MODULE: INTRODUCTION - 2011 CDP WATER DISCLOSURE..... | 1 |
| PAGE: INTRODUCTION..... | 1 |
| MODULE: WATER MANAGEMENT AND GOVERNANCE..... | 4 |
| PAGE: WATER MANAGEMENT AND GOVERNANCE..... | 4 |
| MODULE: RISKS AND OPPORTUNITIES..... | 9 |
| PAGE: RISK INDICATORS - OPERATIONS..... | 9 |
| PAGE: RISK INDICATORS - SUPPLY CHAIN..... | 11 |
| PAGE: RISK ASSESSMENT - OPERATIONS..... | 12 |
| PAGE: RISK ASSESSMENT - SUPPLY CHAIN..... | 13 |
| PAGE: IMPACTS TO BUSINESS..... | 14 |
| PAGE: OPPORTUNITIES..... | 15 |
| PAGE: MANAGING TRADE-OFFS BETWEEN WATER AND CARBON EMISSIONS..... | 16 |
| MODULE: WATER ACCOUNTING..... | 18 |
| PAGE: WITHDRAWALS AND RECYCLING..... | 18 |
| PAGE: DISCHARGES..... | 20 |
| PAGE: WATER INTENSITY..... | 21 |

MODULE: INTRODUCTION – 2011 CDP WATER DISCLOSURE

PAGE: INTRODUCTION

0.1

Introduction

Please give a general description and introduction to your organization.

EMC Corporation (NYSE: EMC) is a Fortune 500 company and a global leader in enabling businesses and service providers to transform their operations and deliver IT as a service. Through innovative products and services, EMC accelerates the journey to cloud computing, helping IT departments to store, manage, protect and analyze their information in a more agile, trusted and efficient way. Established in 1979, EMC is represented by EMC direct sales and distribution partners in more than 80 countries. EMC systems are manufactured in Massachusetts and North Carolina in the US, and in Cork, Ireland. With 2010 revenues of more than \$17 billion, EMC employs approximately 48,500 people worldwide. Over 40% of EMC's workforce is employed outside the U.S.

EMC is dedicated to improving and reporting on our environmental performance. Our environmental priorities include energy consumption and climate change, material use and waste, as well as water conservation. By setting environmental initiatives according to these priorities, we focus on optimizing operations, including our supply chain; transforming ourselves and our industry to become more sustainable; and collaborating wherever possible to build a healthier social and business climate.

Although EMC's operations are not water intensive, we recognize that water is a critical resource and we need to manage it responsibly. We have implemented practices to mitigate potential climate and water-related risks to our business operations while actively maximizing opportunities. Our responses to the CDP are intended to transparently communicate our activities in these areas.

In accordance with our Corporate Environmental Policy, EMC recognizes our environmental responsibilities to our shareholders, employees, customers and the general public, and is committed to continuous improvement of our environmental management systems. EMC's manufacturing facilities worldwide are certified to the ISO 14001 management standard.

EMC's environmental commitment is integral to our corporate vision, mission, and values. This commitment is reflected in our ongoing efforts to:

- Reduce our energy consumption, greenhouse gas emissions and water consumption throughout the value chain.
- Develop products with environmental consideration for the entire product lifecycle.
- Minimize waste generated from operations through reduction, reuse and recycle programs, and dispose of waste in a correct manner.
- Minimize water consumption and control wastewater.
- Monitor and control emissions from our facilities.
- Actively communicate with interested parties that may be affected by our environmental performance.
- Openly discuss and disclose our environmental progress.

This report contains “forward-looking statements” as defined under the Federal Securities Laws. Actual results could differ materially from those projected in the forward-looking statements as a result of certain risk factors, including but not limited to:

- (i) changes in regulations related to climate change;
 - (ii) changes in physical climate parameters, including extreme weather events, changes in the availability of natural resources, and rising sea levels;
 - (iii) adverse changes in general economic or market conditions;
 - (iv) delays or reductions in information technology spending;
 - (v) the relative and varying rates of product price and component cost declines and the volume and mixture of product and services revenues;
 - (vi) competitive factors, including but not limited to pricing pressures and new product introductions;
 - (vii) component and product quality and availability;
 - (viii) fluctuations in VMware, Inc.’s operating results and risks associated with trading of VMware stock;
 - (ix) the transition to new products, the uncertainty of customer acceptance of new product offerings and rapid technological and market change;
 - (x) risks associated with managing the growth of our business, including risks associated with acquisitions and investments and the challenges and costs of integration, restructuring and achieving anticipated synergies;
 - (xi) the ability to attract and retain highly qualified employees;
 - (xii) insufficient, excess or obsolete inventory;
 - (xiii) fluctuating currency exchange rates;
 - (xiv) threats and other disruptions to our secure data centers or networks;
 - (xv) our ability to protect our proprietary technology;
 - (xvi) war or acts of terrorism; and
 - (xvii) other important factors disclosed in EMC’s filings with the U.S. Securities and Exchange Commission.
- EMC disclaims any obligation to update any such forward-looking statements after the date of this report.

0.2

Reporting Year

Please state the start and end date of the year for which you are reporting data.

Enter the period that will be disclosed.

Fri 01 Jan 2010 - Fri 31 Dec 2010

0.3

Reporting Boundary

Please indicate the category that describes the company, entities, or group for which you are reporting.

Companies over which operational control is exercised

0.4

Exclusions

Are there any geographies, activities, facilities or types of water inputs/outputs within this boundary which are not included in your disclosure?

No

MODULE: WATER MANAGEMENT AND GOVERNANCE

PAGE: WATER MANAGEMENT AND GOVERNANCE

1.1

Does your company have a water policy, strategy or management plan?

Yes

1.1a

Please describe your policy, strategy or plan, including the highest level of responsibility for it within your company and its geographical reach

| Geographical reach | Description of policy, strategy or plan | Position of responsible person |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Worldwide | <p>Although EMC has a relatively small operational water footprint, we take a conscientious approach to conserving this important global resource. In our owned and operated facilities, we minimize water consumption and control wastewater. Our manufacturing facilities produce no industrial wastewater. In accordance with our Corporate Environmental Policy, EMC recognizes our environmental responsibilities to our shareholders, employees, customers and the general public, and is committed to continuous improvement of our environmental management systems. EMC's environmental commitment is integral to our corporate vision, mission, and values. This commitment is reflected in our ongoing efforts to:</p> <ul style="list-style-type: none"> • Reduce our energy consumption, greenhouse gas emissions and water consumption throughout the value chain • Develop products with environmental consideration for the entire product lifecycle. • Minimize waste generated from operations through reduction, reuse and recycle programs, and dispose of waste in a correct manner. • Minimize water consumption and control wastewater. • Monitor and control emissions and discharges from our facilities. • Actively communicate with interested parties that may be affected by our environmental performance. • Openly discuss and disclose our environmental progress | Officer/manager not directly reporting to the board |

1.1b

Does the policy, strategy or plan specify water reduction, quality or efficiency targets or other water-related goals?

Yes

1.1c

Please describe these water-related targets or goals

| Geographical reach | Type of target/goal | Target/goal | Additional information |
|-------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------|
| Headquarter buildings in Hopkinton MA USA | Other: Recycled water | In 2011, utilize the same amount of recycled water from our Wastewater Treatment Plant that was utilized during 2010. | |
| Worldwide | Other: Water Footprinting | Baseline our water footprint in 2011. | |

1.1d

You may explain here why your company does not have a water policy, strategy or management plan and if you intend to put one in place

1.2

What specific actions has your company taken to manage water resources or engage stakeholders in water-related issues?

| Geographical reach | Type of action | Action | Outcomes |
|--------------------|-------------------|-------------------------------------------------|-----------------------------------------------------------|
| Headquarter | Direct operations | At EMC headquarters, wastewater is reclaimed at | At the EMC headquarters facility, we reused more than 5.5 |

| Geographical reach | Type of action | Action | Outcomes |
|--------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| buildings in Hopkinton, MA USA | | the on-site treatment plant which passes the wastewater through three treatment and disinfection processes. Unused gray water is returned to the ground through infiltration systems to replenish local watersheds. | million gallons of treated "gray" water in 2010 for cooling, sanitation, and irrigation. In 2010, we increased our water reuse by more than 36%, exceeding our goal of 30%. |
| Worldwide, Data Center in Durham, NC | Direct operations | EMC has various water efficiency and conservation features in its owned and operated facilities worldwide, such as low-flow plumbing fixtures, rainwater capture systems and free air cooling. EMC takes sustainability and water conservation into consideration when constructing new buildings. | In 2010, EMC completed the first phase of construction of a new energy-efficient Center of Excellence and a 100 percent virtual data center in an existing warehouse facility in Durham, North Carolina. Efficiency design innovations include a rooftop water collection system, reducing water usage by more than 40 percent - one inch of rain on the 450,000 square foot roof equals 280,000 gallons of water. Air-intake plenums at the perimeter of the building and air-side economizers provide free cooling during the months of cool weather - approximately 5,000 hours per year - reducing our water consumed for cooling the data center. |
| Worldwide | Direct operations | During 2010, EMC completed the Cost Transformation Program to consolidate corporate campus space and reduce our impact on climate and water. | The Cost Transformation Program reduced our corporate campus office footprint by 600,000 square feet, reducing our water footprint by more than 3,000,000 gallons a year. |
| Worldwide | Other: Direct operations and customer operations | EMC has incorporated numerous innovative and efficient technologies to reduce the water consumption for cooling the data centers, both in our own operations and for our customers. We are leading a shift to cloud computing, which is converting IT infrastructure into a highly efficient, shared, dynamic, and flexible service for substantial improvements in power and cooling efficiency. Through dynamic provisioning of resources, the cloud enables the spread of peak demands across a pool of resources. As a result, less hardware, less energy and water are needed to serve the data center's aggregate needs. Furthermore, EMC's virtualization software can greatly increase the energy efficiency of existing data centers/servers by consolidating hardware assets, thereby significantly reducing energy and water consumption, and avoiding the need for additional data center facilities. | EMC has incorporated adaptive cooling, which saves energy and water consumed for cooling by reducing blower and fan speeds to cool in proportion to the ambient temperature, into all of our storage platforms. |

| Geographical reach | Type of action | Action | Outcomes |
|--------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Worldwide | Direct operations | We have collected water consumption data back to 2007 for all of our owned facilities and some of the large leased facilities. We used the WBCSD Water Tool to analyze our water footprint and operations in water stressed areas. | 59% of square footage have reported on their water withdraw and/or consumption data. The available consumption data account for 82% of EMC's corporate water consumption. 2% of EMC's owned, operated and/or leased sites are in water stressed areas. |
| Worldwide | Supply chain and watershed management | EMC has adopted the EICC Code of Conduct, and supplemented it with additional guidance. We ask our Tier 1 direct suppliers to acknowledge our Supplier Code of Conduct, and to apply the same standards to their suppliers. In 2010, 99% of our suppliers acknowledged the Code. In addition to asking our suppliers to acknowledge the Code, we measure their performance against it. This code requires compliance with all environmental regulations; pollution prevention and resource reduction; and responsible wastewater management. | In 2010, 13% of EMC suppliers (by spend) reported their water use. In 2011, we are asking our suppliers for water information as part of the EICC carbon reporting process. This includes water management strategies; reduction and efficiency goals; water use by source; water recycling and reuse; wastewater discharge, treatment, and policies; and water risk. |
| Worldwide | Collective action | EMC's Vice President of Corporate Sustainability serves on the Board of The Green Grid, a consortium of companies dedicated to advancing energy efficiency in data centers and computing ecosystems. EMC is contributing to The Green Grid's development of best practices, studies, and energy efficiency indicators for data centers. Energy efficiency in computing impacts water by reducing the amount of waste heat, in turn reducing water required for cooling. | The Green Grid has recently introduced the water usage effectiveness (WUE) metric to address water usage in data centers. WUE, combined with the power usage effectiveness (PUE™) and carbon usage effectiveness (CUE™) metrics, enables data center operators to quickly assess the water, energy, and carbon sustainability aspects of their data centers, compare the results, and determine if any energy efficiency and/or sustainability improvements need to be made. |
| Worldwide | Community engagement | At EMC, we depend upon the engagement of our employees, who are the best source of innovative ideas and our ambassadors to the customers and the community. At various Earth Day and community involvement events, our employees volunteered to clean up local rivers and watersheds. Vendors were on-site to demonstrate local water conservations and treatment technologies, and water education fairs were held. | EMC's India Center of Excellence held a Water Conservation Month in February 2010. An online contest was held on water conservation ideas. Four ideas were selected as winners. Information on how to save water and protect local watershed areas was provided on the COE's internal portal. Employees took the Home Audit Quiz to help them become more water-wise around their homes. |
| Worldwide | Transparency | EMC actively communicates with the public and engages with local communities on water conservation initiatives, goals and performance in an | EMC reports on its water conservation initiatives, goals and performance on EMC.com, and is participating in the CDP Water Disclosure in 2011. |

| Geographical reach | Type of action | Action | Outcomes |
|-------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | ongoing basis. | http://www.emc.com/about/sustainability/environment/material-use-waste/water.htm http://www.emc.com/about/sustainability/goals-performance/environment.htm |
| U.S. corporate campuses | Direct operations | At U.S. corporate campus facilities, which account for almost 50% of our corporate physical footprint, EMC has implemented a stringent Stormwater Management System including an inspection schedule and infrastructure maintenance activities that exceed requirements. EMC minimizes our use of herbicides, pesticides and chemical snow melters and manages facilities to prevent storm water exposure to waste materials. | Through diligent stormwater management efforts, EMC ensures a high quality of stormwater runoff from our facilities. Our actions minimize the impact of our operations on natural resources, including groundwater and surface water. |

MODULE: RISKS AND OPPORTUNITIES

PAGE: RISK INDICATORS – OPERATIONS

2.1

Are you able to identify which of your operations are located in water-stressed regions?

Yes

2.1a

Please specify the method(s) you use to characterize water-stressed regions

| Method used to define water stress | Please add any comments here: |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| FAO/AQUASTAT WBCSD Water Tool WRI water scarcity definition | EMC used the WBCSD Water Tool to identify sites that are in water scarce areas defined by the FAO AQUASTAT and WRI. |

2.1b

Please list the water-stressed regions where you have operations and the percentage of your total operations in that area

| Country | Region within country | Proportion of operations located in this region (%) | Further comments |
|----------------------|-----------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Algeria | Algiers | 0 – 10 | EMC has a field sales office in Algiers which uses water in general building operations, such as for drinking and sanitation systems. |
| Bahrain | Manama | 0 – 10 | EMC has a field sales office in Manama which uses water in general building operations, such as for drinking and sanitation systems. |
| Egypt | Cairo | 0 – 10 | EMC has a Center of Excellence in Cairo which uses water in general building operations, such as for drinking, cooling and sanitation systems. |
| Israel | Israel | 0 – 10 | EMC has an R&D center, a Center of Excellence and field sales offices in Israel which uses water in general building operations, such as for drinking, cooling and sanitation systems. |
| Jordan | Amman | 0 – 10 | EMC has a field sales office in Amman which uses water in general building operations, such as for drinking and sanitation systems. |
| Kenya | Nairobi | 0 – 10 | EMC has a field sales office in Nairobi which uses water in general building operations, such as for drinking and sanitation systems. |
| Morocco | Casablanca | 0 – 10 | EMC has a field sales office in Casablanca which uses water in general building operations, such as for drinking and sanitation systems. |
| Qatar | Doha | 0 – 10 | EMC has a field sales office in Doha which uses water in general building operations, such as for drinking and sanitation systems. |
| Saudi Arabia | Riyadh | 0 – 10 | EMC has a field sales office in Riyadh which uses water in general building operations, such as for drinking and sanitation systems. |
| United Arab Emirates | Abu Dhabi and Dubai | 0 – 10 | EMC has field sales offices in Abu Dhabi and Dubai which uses water in general building operations, such as for drinking and sanitation systems. |
| Singapore | Singapore | 0 – 10 | EMC has a field sales office in Singapore which uses water in general building operations, such as for drinking and sanitation systems. |

2.2

Do you use other indicators (besides water stress) to identify operations which are located in regions subject to water-related risk?

No

2.3

Please specify the total percentage of your operations that are located in the regions at risk which you identified in questions 2.1 and/or 2.2

2%

2.4

Please specify the basis you use to calculate the percentages used for questions 2.1 and/or 2.2

| Basis used to determine percentage | Please add any comments here |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Other: Square footage | Calculation is based on EMC's regional facility square footage as a percentage of EMC's global physical footprint. |

PAGE: RISK INDICATORS – SUPPLY CHAIN

2.5

Are you able to identify which of your key water-intensive inputs (excluding water) come from regions subject to water-related risk?

No

2.5b

You may explain here why you are not able to identify which of your key water-intensive inputs come from water-stressed regions and whether you have plans to explore this issue in the future

EMC recognizes that water scarcity is a significant concern. We completed a life cycle assessment that helped us identify which product components are more water-intensive. We have a plan to collect the supplier data required to identify water-intensive inputs, and intend to use this data to develop a mitigation strategy.

PAGE: RISK ASSESSMENT – OPERATIONS

3.1

Is your company exposed to water-related risks (current or future) that have the potential to generate a substantive change in your business operation, revenue or expenditure?

Yes

3.1a

Please describe the current and/or future risks to your operations, the ways in which these risks affect or could affect your operations and your current or proposed strategies for managing them

| Country or geographical reach | Risk type | Risk description | Timescale | Potential business impact | Risk management strategies |
|--------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Other: Worldwide | 02. Physical: Flooding | Disruption to operations due to increased extreme weather events such as floods and tsunamis. | 1 – 5 | Disruption to operations; Cleanup/repair costs | Locating facilities in less vulnerable locations; Building a resilient business infrastructure that doesn't depend on a single facility. |
| Other: U.S. corporate campuses | 03. Physical: Increased water stress or scarcity (leading to e.g. disruption to operations or higher | Disruption to operations due to water stress or scarcity; higher water and energy cost for data | 11 – 20 | Increased operational cost | Incorporating water efficiency and conservation technologies across EMC's operations, such as cloud |

| Country or geographical reach | Risk type | Risk description | Timescale | Potential business impact | Risk management strategies |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------|------------------------------------------------------------------|
| | commodity/energy prices) | center cooling | | | computing, adaptive cooling and free-air cooling. |
| Other: Worldwide | 06. Regulatory: Higher water prices | Regulations that increase water costs could drive up the costs of deploying IT and have the potential therefore to slow customer spend. | 6 – 10 | Reduced demand for goods/services | Aggressively engineering for energy and water efficiency in R&D. |
| Other: U.S. and Ireland corporate campuses | 08. Regulatory: Mandatory water efficiency, conservation, recycling or process standards (leading to higher costs) | Higher cost of water and regulation compliance | 11 – 20 | Increased operational cost | Monitoring new regulations pertaining to water. |

3.2

What methodology and what geographical scale (e.g. country, region, watershed, facility) do you use to analyze water-related risk across your operations?

| Risk methodology | Geographical scale |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| EMC's operations are not water intensive. The risks identified in our response to question 3.1a indicate the risks that are relevant to our business, although we believe their impacts would be minimal. | Country |

PAGE: RISK ASSESSMENT – SUPPLY CHAIN

3.3

Do you require your key suppliers to report on their water use, risks and management?

Yes

3.4

Is your supply chain exposed to water-related risks (current or future) that have the potential to generate a substantive change in your business operation, revenue or expenditure?

Don't know

3.4c

Please explain why you do not know if your supply chain is exposed to any water-related risk and if you have plans to assess this risk in the future

We recognize that water stress is a significant concern. We are currently asking our suppliers to report on water risk as part of the EICC Carbon Reporting System, and intend to use that information to identify any areas of concern and develop a mitigation strategy.

PAGE: IMPACTS TO BUSINESS

4.1

Please describe any detrimental impacts to business related to water your company has faced in the past five years, their financial impacts and whether they have resulted in any changes to company practices

EMC's operations have not faced any material detrimental impacts related to water.

PAGE: OPPORTUNITIES

5.1

Do water-related issues present opportunities (current or future) that have the potential to generate a substantive change in your business operation, revenue or expenditure?

Yes

5.1a

Please describe the current and/or future opportunities, the ways in which these opportunities affect or could affect your operations and your current or proposed strategies for exploiting them

| Country or geographical reach | Opportunity description | Timescale (years) | Potential business impact | Strategy to exploit opportunity |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other: Worldwide | Flooding and impending disruption to business could drive investment in business continuity and dynamic Cloud Computing. | 6 – 10 | Increased demand for new and existing products and services that provide greater resilience in the IT infrastructure. | Aggressively engineering for energy efficiency in R&D. Actively engaging with governmental bodies in product specifications development. Providing business continuity solutions for customers including offsite storage and Cloud Computing. |
| Other: Worldwide | Increased water stress and scarcity increases the demand for energy efficient IT and Cloud Computing, as cooling is a big source of water use in data centers. By skillfully using storage, servers, software, and networks together, IT organizations can manage and store more information using less energy and water. | 1 – 5 | Increased demand for new and existing products and services that allow IT organizations to run their data centers more efficiently. | Exploring new market and service opportunities in energy efficiency information technology; Investing in innovative approaches to reduce and/or manage energy and water consumption in IT. |
| Other: Global | EMC stores and manages water data for its customers such as utilities and watersheds. By | 6 – 10 | Increased demand for new and existing products and | R&D in “big data” |

| Country or geographical reach | Opportunity description | Timescale (years) | Potential business impact | Strategy to exploit opportunity |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| | analyzing and utilizing the "big data", companies can better predict behaviours such as water use patterns and make smart decisions. | | services | |
| Other: Global | Engage with NGOs and industry groups to develop water tools and standards such as the water usage effectiveness (WUE) metric for data centers. | 1 – 5 | Standards on which to base new products; positive reputation impact | Active participation in The Green Grid and other industry consortia |
| Other: Global | Develop additional water efficiency and conservation initiatives at EMC's owned and operated facilities, and increase the reuse and recycle of our wastewater. Improve employee awareness and engage local communities on water issues. | 1 – 5 | Reduced water footprint; cost saving. | |

PAGE: MANAGING TRADE-OFFS BETWEEN WATER AND CARBON EMISSIONS

6.1

Has your company identified any linkages or trade-offs between water and carbon emissions in its operations or supply chain?

Yes

6.1a

Please describe the linkages or trade-offs and the related management policy or action

| Linkage or trade-off | Policy or action |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>EMC recognizes that water, energy and carbon emissions are interconnected. Water is required to generate and transmit the energy we consume, and energy is used to supply the water we use. Our suppliers use water in their operations to produce the material components in our products. Carbon emissions are generated from all the activities. Water conservation and efficiency activities at EMC can save energy and help to cut our carbon emissions. EMC also understands that there are trade-offs between water and carbon emissions. Water and energy are both used to power and cool data centers, both those within our operations and those of our customers. Our wastewater treatment plant at the headquarters consumes energy while reducing our water footprint.</p> | <p>In our owned and operated facilities, we look at energy, water and carbon emissions holistically. By driving efficiencies in our products and in our data center operations, we reduce both the electricity used and the water consumed. In addition, application of free air cooling technology in our data centers and labs has allowed us to reduce both the power and water consumption. We have a plan to conduct a corporate water footprint analysis and understand quantitatively the linkages and trade-offs between water and carbon emissions, and pursue strategies to minimize our overall impact on the environment.</p> |

MODULE: WATER ACCOUNTING

PAGE: WITHDRAWALS AND RECYCLING

7.1

Are you able to provide data, whether measured or estimated, on water withdrawals within your operations?

Yes

7.1a

Please report the water withdrawals within your operations for the reporting year

| Country or geographical reach | Withdrawal type | Quantity (ML/yr) | Proportion of data that has been verified (%) | Comments |
|-------------------------------|-----------------|------------------|-----------------------------------------------|----------|
| United States of America | Municipal water | 478.9 | 0 – 25 | |
| United States of America | Groundwater | 54.8 | 0 – 25 | |
| Ireland | Municipal water | 25.5 | 0 – 25 | |
| Rest of world | Municipal water | 84.2 | 0 – 25 | |

7.2

Are you able to provide data, whether measured or estimated, on water recycling/reuse within your operations?

Yes

7.2a

Please report the water recycling/reuse within your operations for the reporting year

| Country or geographical reach | Quantity (ML/yr) | Proportion of data that has been verified (%) | Comments |
|--------------------------------------------------|------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other: Headquarter buildings in Hopkinton MA USA | 46.9 | 0 – 25 | Data are drawn from actual water meter readings at the wastewater treatment plant. Recycled “gray” water is used for irrigation and as water supply for facility toilets. |

7.3

Please use this space to describe the methodologies used for questions 7.1 and 7.2 or to report withdrawals or recycling/reuse in a different format to that set out above

82% of EMC's global water withdrawal is compiled from reliable water bills and water meter readings. Actual water consumption data are not available for the remaining 18% of global water withdrawal. The water data associated with these facilities were estimated using water intensity for the facilities that have water bills. The estimations are conservative and assumed to be at least 70% accurate.

The water recycling/reuse data for the wastewater treatment plant are compiled from actual water meter reading at the plant.

7.4

Are any water sources significantly affected by your company's withdrawal of water?

No

7.4b

You may explain here why your company's withdrawal of water does not significantly affect any water sources

EMC's operations are not water intensive. Water is not directly consumed in our manufacturing operations, nor is it integral to the manufacturing process. Water is consumed through normal building systems use such as for cooling, drinking and sanitary purpose. We have various water efficiency and conservation features in our owned and operated facilities, such as low-flow plumbing fixtures, rainwater capture systems and free air cooling. EMC takes sustainability and water conservation into consideration when construct new buildings.

PAGE: DISCHARGES

8.1

Are you able to identify discharges of water from your operations by destination, by treatment method and by quality using standard effluent parameters?

No

8.1a

Please explain why you are not able to identify discharges from your operations by destination, treatment method and quality and whether you have any plans to put in place systems that would enable you to do so

EMC does not generate wastewater from our manufacturing operations. Only domestic sewage is discharged from our facilities.

8.2

Did your company pay any penalties or fines for significant breaches of discharge agreements or regulations in the reporting period?

No

8.3

Are any water bodies and related habitats significantly affected by discharges of water or runoff from your operations?

No

8.3b

You may explain here why your company's discharge of water does not significantly affect any water bodies or related habitats

EMC's operations are not water intensive and we do not generate industrial wastewater from our operations. Our sanitary wastewater is treated either on-site or by municipal sewage facilities. In addition, EMC protects the quality of our stormwater runoff at our corporate campus locations through an intensive management program.

PAGE: WATER INTENSITY

9.1

Please provide any available financial intensity values for your company's water use across its operations

| Country or geographical region | Financial metric | Water use type | Financial intensity (US\$/ML) | Please provide any contextual details that you consider relevant to understand the units or figures you have provided. |
|--------------------------------|------------------|----------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Other: Worldwide | Revenue | Withdrawals | 26445780 | |

9.2

Please provide any available water intensity values for your company's products across its operations

| Country or geographical reach | Product | Product unit | Water use type | Water unit | Water intensity (Water unit/product unit) | Please provide any contextual details that you consider relevant to understand the units or figures you have provided. |
|-------------------------------|---------|--------------|----------------|------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | We do not currently know the water intensity for our products, but we are completing a life cycle assessment that will us to identify which product components are more water-intensive. |