Waste Management, Inc. - Water Security 2021

W0. Introduction

W0.1

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

Waste Management is North America's leading provider of comprehensive environmental services. Since 2007, we have made a practice of setting sustainability goals designed to reduce our overall impact on the environment, support our customers' environmental stewardship and differentiate us from competitors. The goals have evolved over time, and in 2018, they were updated to better reflect our efforts to reduce our GHG emissions in accordance with the Paris Climate Accord, and new 2025 and 2038 goals.

Efforts to reduce emissions encompass a broad and ongoing focus for our company. To make progress in each, Waste Management continues to commit resources to developing new technologies, and to deploying solutions and programs to reduce emissions from our operations. We engage in policy discussions at the federal and state level, support strategies to reduce emissions associated with our industry, take action to mitigate risk, actively engage in education and outreach efforts, and manage material responsibly to protect our environment and our communities.

Waste Management has the opportunity to tackle climate change through reductions in greenhouse gas (GHG) emissions from our landfills, fleet and electricity use, and through the services we provide our customers. We continue to develop and implement solutions to reduce our own and our customers' carbon footprint, including:

Fleet

· Transitioning our fleet to natural gas vehicles

· Using renewable fuel, including landfill gas and gas from dairy manure, in our fleet

· Using smart logistics technologies to reduce fleet miles travelled

· Using hybrid dozers at our landfills

Recycling

· Investing in technology to improve the quality of recycled material that we sell

· Focusing on recycling materials that provide the greatest GHG reduction benefits

· Turning food waste into energy or compost

· Purchasing products made with recycled content

Customers

· Providing climate-related sustainability consulting services to customers who want to reduce their carbon footprints

· Helping create new markets for recycled products

· Educating customers on how and what to recycle, and how to reduce waste

Energy

· Creating renewable electricity and fuel from biogas at our landfills

· Creating renewable energy from food waste at our CORe facilities

· Hosting solar farms at our landfills for renewable electricity generation into the electric grid

· Using renewable electricity at our sites

Please note that answers in this questionnaire are supplied on behalf of Waste Management, Inc., which is a holding company; all operations are conducted by its subsidiaries. Hereafter, Waste Management, Inc., its consolidated subsidiaries and consolidated variable interest entities are referred to as "Waste Management", "WM", "the company", "we" or "us". or "us".

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 2020	December 31 2020

W0.3

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

Canada
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	Not very important	Important	Unlike product manufacturing, Waste Management primarily offers waste hauling and environmental services for customers across North America. The primary use of freshwater in our direct operations and value chain is for domestic uses such as drinking, sanitation and landscaping. We selected “Not Very Important” as the rating for our direct use since aspects of our direct operations, such as sanitation and landscaping, do not require freshwater to be of good quality and are primarily a local issue. We selected the “Important” rating for indirect use because we purchase some products that require water as a direct input during production, including bottled drinking water, which is used by drivers and operators at many of our sites. We do not anticipate any future changes to our direct or indirect operations that would change the importance of freshwater available for use.
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Important	Our hauling operations use recycled water for truck maintenance and periodic cleaning and washing. Our recycling operations and transfer stations use recycled water for odor mitigation. Our landfill operations use recycled water for soil stabilization and fugitive dust emissions control. Some of our renewable energy projects use recycled water in boilers for steam turbines. We selected "Neutral" for our direct operations, as these processes are primarily dependent on water quantity and not water quality. Many of our suppliers used recycled, brackish, and/or produced water in the production of their products and some of our suppliers operate in regions that are exposed to substantial water risk or may become exposed to substantial risk moving forward. For this reason, we have selected “Important” for our indirect use. We do not anticipate any future changes to our direct or indirect operations that would change the importance of recycled, brackish, and/or produced water available for use.

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	Volumes of water usage at a majority of our facilities are based on monthly invoices as part of an enterprise wide Utility Bill Management Program (UBM). Withdrawals are estimated for a small percentage of our landfill sites, mostly in rural areas, that use groundwater wells for dust mitigation control and other processes.
Water withdrawals – volumes by source	76-99	Based on monthly invoice information provided by our Utility Bill Management (UBM) provider, we consider most of our water to come from municipal water systems. Withdrawals are estimated for a small percentage of our landfill sites, mostly in rural areas, that use groundwater wells for dust mitigation control and other processes.
Entrained water associated with your metals & mining sector activities - total volumes [only metals and mining sector]	<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	76-99	Based on monthly invoice information provided by our Utility Bill Management (UBM) provider, we consider most of our water to come from municipal water systems and be of good quality.
Water discharges – total volumes	76-99	We consider most of our water to be discharged to municipal water treatment systems, and equal to the amount of water withdrawn, less the water consumed by employees and operations. For the small percentage of our landfill sites, mostly in rural areas, that use groundwater wells for dust mitigation control and other processes, we consider this water to be discharged back to its source.
Water discharges – volumes by destination	76-99	Based on invoice information provided by our Utility Bill Management (UBM) provider, we consider most of our water to be discharged to municipal water treatment systems or recycled/reused on site for various processes. For the small percentage of our landfill sites, mostly in rural areas, that use groundwater wells for dust mitigation control and other processes, we consider this water to be discharged back to its source.
Water discharges – volumes by treatment method	76-99	Based on invoice information provided by our Utility Bill Management (UBM) provider, we consider most of our water to be discharged to municipal water treatment systems. For the small percentage of our landfill sites, mostly in rural areas, that use groundwater wells for dust mitigation control and other processes, we consider this water discharged this water back to its source.
Water discharge quality – by standard effluent parameters	76-99	WM facilities comply with the provisions of the National Pollution Discharge Elimination System (NPDES) in mitigating point source pollution at the point of discharge using an array of best management practices (BMPs). This practice also includes region specific standard effluent parameters that are measured locally according to NPDES and the facility's Water Quality Management Plan.
Water discharge quality – temperature	76-99	WM facilities comply with the provisions of the National Pollution Discharge Elimination System (NPDES) in mitigating point source pollution at the point of discharge using an array of best management practices (BMPs). This practice also includes region specific parameters that are measured locally according to NPDES and the facility's Water Quality Management Plan.
Water consumption – total volume	76-99	Our consumption calculation is a yearly estimate based on gallons per employee per day (GED) that is representative of the number of employees we have working in these facilities during the reporting year. WM continues to explore and develop ways to accurately measure its water consumption.
Water recycled/reused	1-25	Recycled water is used for a variety of purposes including, to wash trucks and control dust at landfills, recycling facilities and transfer stations, and in boilers for steam turbines at select renewable energy projects, but we are unable to quantify it for a large portion of our facilities.
The provision of fully-functioning, safely managed WASH services to all workers	100%	All WM facilities across North America comply with local development code and municipal ordinances regarding mandatory provisions of fully functioning water supply, adequate sanitation and hygiene (WASH) in its facilities. All our workers, regardless of their status of employment, gender orientation, age, race and nationality have 100% access to WASH.

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	2850.35	Lower	Our 2020 value of 2,850.35 megaliters represents a 19.2% decrease from the previous year. We consider a decrease of 10-25% to be “lower”.
Total discharges	2312.08	Lower	Our 2020 value of 2,312.08 megaliters represents a 21.7% decrease from the previous year. We consider a decrease of 10-25% to be “lower”. For each source, withdrawn water (W) that is not consumed by our employees or through our operations (C) is returned (D) to the source (i.e. groundwater to groundwater, third party to third party), where W = D + C. In 2020, our ratio of water discharged to water withdrawn decreased slightly, from 83.7% to 81.1%.
Total consumption	538.27	About the same	Our 2020 value of 538.27 megaliters represents a 6.7% decrease from the previous year. Fluctuations of less than 10% are considered to be “About the same.” Our consumption calculation is based on gallons per employee per day (GED), and is representative of the number of employees we have working in our facilities at the end of the reporting year. WM continues to explore and develop ways to more accurately measure its water consumption. As this calculation is dependent on our number of total employees, we have not observed large fluctuations in our total water consumption, and we do not anticipate any large fluctuations moving forward.

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	26-50	About the same	WRI Aqueduct	Each site’s location and usage data are cross-referenced with the WRI Aqueduct Tool each year to quantify the volumes withdrawn from sites located within water stressed areas. In 2020, 34.21% of our water withdrawals were from sites located within water stressed areas. This represents an increase of 0.73% from our 2019 value of 33.96% and is “About the same”

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	<Not Applicable>	<Not Applicable>	Based on invoice information provided by our Utility Bill Management (UBM) provider, we consider most of our water to come from municipal water systems or groundwater wells.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	Based on invoice information provided by our Utility Bill Management (UBM) provider, we consider most of our water to come from municipal water systems or groundwater wells.
Groundwater – renewable	Relevant	61.49	Lower	A small percentage of our landfill sites, mostly in rural areas, use groundwater wells for dust mitigation control and other processes. We estimate the water withdrawals from these sites using 81 gallons/employee/day, the national average of the USGS estimate for self-supply groundwater withdrawals per capita for domestic purposes. Our 2020 value of 61.49 megaliters represents a 13.92% decrease from the previous year and is considered “lower”. Our groundwater withdrawals calculation is based on gallons per employee per day (GED), and is representative of the number of employees we have working at specific facilities at the end of the reporting year. We have not observed large fluctuations in employee counts and therefore water withdrawals at these sites, and we do not anticipate any large fluctuations in water withdrawals at these sites moving forward.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	Based on invoice information provided by our Utility Bill Management (UBM) provider, we consider most of our water to come from municipal water systems or groundwater wells.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	Based on invoice information provided by our Utility Bill Management (UBM) provider, we consider most of our water to come from municipal water systems or groundwater wells.
Third party sources	Relevant	2788.86	Lower	For most of our operations, specifically in all WM offices across North America, we use municipal water for domestic purposes only. WM's hauling, recycling and landfill operations use municipal water and/or recycled water in varying degrees, based on specific needs. Our 2020 value of 2,788.86 represents a 19.32% decrease and is considered “lower”.

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>	We consider most of our water to be discharged to municipal water treatment systems, and equal to the amount of water withdrawn, less the water consumed by employees and operations.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	We consider most of our water to be discharged to municipal water treatment systems, and equal to the amount of water withdrawn, less the water consumed by employees and operations.
Groundwater	Relevant	49.34	Lower	A small percentage of our landfill sites, mostly in rural areas, use groundwater wells for dust mitigation control and other processes and we consider this water to be discharged back to its source. Our 2020 value of 49.34 megaliters represents a 13.93% decrease from the previous year and is considered “lower”. For each source, withdrawn water (W) that is not consumed by our employees or through our operations (C) is returned (D) to the source (i.e. groundwater to groundwater, third party to third party), where W = D + C. We have not observed large fluctuations in employee counts and therefore water withdrawals or consumption at these sites, and so we do not anticipate any large fluctuations in water discharges moving forward.
Third-party destinations	Relevant	2262.74	Please select	We consider most of our water to be discharged to municipal water treatment systems, and equal to the amount of water withdrawn, less the water consumed by employees and operations at these locations. Our 2020 value of 2,262.74 represents a 21.82% decrease and is considered “lower”. Additionally, our ratio of water discharged to water withdrawn decreased slightly, from 83.7% to 81.1%.

W1.2j

(W1.2j) Within your direct operations, indicate the highest level(s) to which you treat your discharge.

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	Leachate generated from rainwater at our landfill sites, as well as entrained water from the waste we manage, is collected and managed via our extensive leachate collection systems. We collect company-wide data on our total gallons of leachate managed at the site level and are working towards breaking it down into the requested categories.
Secondary treatment	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	Leachate generated from rainwater at our landfill sites, as well as entrained water from the waste we manage, is collected and managed via our extensive leachate collection systems. We collect company-wide data on our total gallons of leachate managed at the site level and are working towards breaking it down into the requested categories.
Primary treatment only	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	Leachate generated from rainwater at our landfill sites, as well as entrained water from the waste we manage, is collected and managed via our extensive leachate collection systems. We collect company-wide data on our total gallons of leachate managed at the site level and are working towards breaking it down into the requested categories.
Discharge to the natural environment without treatment	Relevant	49.34	Lower	1-10	A small percentage of our landfill sites, mostly in rural areas, use groundwater wells for dust mitigation control and other processes and we consider this water to be discharged back to its source without treatment.
Discharge to a third party without treatment	Relevant	2262.74	Lower	91-99	We consider most of our water to be discharged to municipal water treatment systems, and equal to the amount of water withdrawn, less the water consumed by employees and operations.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We consider most of our water to be discharged to municipal water treatment systems, and equal to the amount of water withdrawn, less the water consumed by employees and operations, except for a small portion of water that is returned to groundwater sources, and company-wide leachate generation. These totals, where available, are included in the rows above.

W1.4

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

Yes, our suppliers

Yes, our customers or other value chain partners

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

1-25

% of total procurement spend

1-25

Rationale for this coverage

WM has conducted a sustainability survey of key supply chain partners which includes water related reporting and initiatives.

Impact of the engagement and measures of success

We regularly discuss our sustainability efforts with a variety of stakeholders from environmental and community groups to business and manufacturing leaders, from government associations to scientific academies. These stakeholders can be found across multiple sectors within our communities. All of these stakeholder engagements are essential in helping us stay abreast of current trends, perspectives and policy matters that affect our industry, our customers and our communities.

Comment

W1.4b

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

Type of engagement
Innovation & collaboration

Details of engagement
Encourage/incentivize innovation to reduce water impacts in products and services

% of suppliers by number
Less than 1%

% of total procurement spend
Less than 1%

Rationale for the coverage of your engagement
We discuss water quality issues with our suppliers and customers pursuant to our participation in the RCRA Corrective Action Project (RCAP) and Superfund Settlements Project (SSP) and the Sediment Management Working Group. Both groups fund research on water quality parameters, including sediment remediation and monitoring, and discuss the interaction between water contamination and discharge standards and coverage.

Impact of the engagement and measures of success
Through our work with these groups, we have been successful at encouraging innovation to reduce water impacts by investigating new technologies and contaminant sampling and testing techniques with the two groups.

Comment

Type of engagement
Innovation & collaboration

Details of engagement
Encourage/incentivize innovation to reduce water impacts in products and services
Encourage/incentivize suppliers to work collaboratively with other users in their river basins
Educate suppliers about water stewardship and collaboration

% of suppliers by number
Less than 1%

% of total procurement spend
Less than 1%

Rationale for the coverage of your engagement
As the title sponsor of the Waste Management Phoenix Open, we work collaboratively with our suppliers to ensure that it is a water positive event. For example, the WMPO implements conservation measures to ensure that water is used responsibly and limits pressures on the municipal water supply. Hand-washing stations used hand sanitizer instead of water, and WM captures greywater from cooking and cleaning that is reused in the portable toilets. 2020 marked the sixth year of the Waste Management Phoenix Open Water Campaign.

Impact of the engagement and measures of success
Working with Bonneville Environmental Foundation as a Change the Course sponsor, and teaming up with M Culinary, Swire Coca Cola and The Thunderbirds, WM restored 50 million gallons of water to the Verde River in Arizona, bringing the six year total to over 320 million gallons restored.

Comment

W1.4c

(W1.4c) What is your organization's rationale and strategy for prioritizing engagements with customers or other partners in its value chain?

At Waste Management, we take a systematic approach to stakeholder engagement, starting with public accountability. Every two years we identify the key stakeholders with whom we engage — from environmental and community groups to business and manufacturing leaders, from government associations to scientific academies. These stakeholders can be found across multiple sectors and within our communities. All are essential in helping us stay abreast of current trends, perspectives and policy matters that affect our industry, our customers and our communities.

Our engagement takes many forms. When working on facility upgrades and new construction, we map our community footprint and seek to engage groups and individuals in open dialogue through Community Advisory Councils or more informal routine interactions, open house events, public meetings, tours and more. With our larger customers, we host sustainability forums that focus on ways to reduce costs, lessen environmental footprints and increase the reuse of resources.

Participation in policy discussions supplements our dialogue at the local level and ensures that we are working with stakeholders from many perspectives. We give dozens of presentations each year on topics involving recycling, renewable energy and fuel, and civic engagement. We believe there is enormous value in bringing together diverse viewpoints in a sustained effort to find common ground and mutual understanding of difficult environmental challenges.

W2. Business impacts

W2.1

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

W2.1a

(W2.1a) Describe the water-related detrimental impacts experienced by your organization, your response, and the total financial impact.

Country/Area & River basin

United States of America	Not known

Type of impact driver & Primary impact driver

Physical	Severe weather events

Primary impact
Other, please specify (Disruption of Operations)

Description of impact
In recent years, WM Market Areas, such as Texoma, Gulf Coast, and Southern California, have experienced service challenges because of more extreme weather events, such as hurricanes, heavy rainfall, extreme flooding, mudslides and wildfires.

Primary response
Develop flood emergency plans

Total financial impact
2500000

Description of response
Severe weather events have caused the Market Areas to take anticipatory action to relocate trucks, secure adequate fuel supplies, flood-proof power supplies, and use technology to respond to logistical challenges. Waste Management carries insurance for Property Damage/Business Interruption with a deductible of $2,500,000 per storm event. While the current cost of contingency planning, insurance, and securing disaster-related supplies and technology is minimal compared to overall operational expenditures, we project that the cost of operational disruptions will start to have a greater impact on our operational bottom line if the severe weather events continue.

Country/Area & River basin

United States of America	Colorado River (Pacific Ocean)

Type of impact driver & Primary impact driver

Physical	Drought

Primary impact
Other, please specify (Disruption in Operations)

Description of impact
In some parts of the Southwest Region of the United States, particularly in California, prolonged extreme drought conditions are potentially affecting some of our operations' ability to use water in our recycling facilities and transfer stations for odor mitigation and fleet maintenance and Landfill facilities for fugitive dust control.

Primary response
Develop drought emergency plans

Total financial impact
0

Description of response
WM market areas in these affected regions are getting advice from WM corporate on ways to prepare for State mandated water use reduction policies and regulations (California). Also, our internal sustainability team has started to reach out to affected market areas to help facilities at local levels to implement conservation and reduction measures such as upgrades of current water fixtures to more efficient fixtures, outlining new internal water policies and procedures for measurement and monitoring of consumption and reporting. Currently, we estimate the financial impact of these conditions to be less than 1% of our 2020 revenue. While the current cost may be minimal compared to our overall operational expenditures, we project that the mitigation and compliance cost will start to affect our operational bottom line if the severe droughts continue.

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?
Yes, fines, enforcement orders or other penalties but none that are considered as significant

W2.2a

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

Row 1

Total number of fines
1

Total value of fines
192.25

% of total facilities/operations associated
0.01

Number of fines compared to previous reporting year
Lower

Comment
The number of facilities affected represents less than .01% of our total facilities. Additionally, the total value of the fines represents less than .01% of our 2020 revenue.

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.

Direct operations

Coverage
Full

Risk assessment procedure
Water risks are assessed as a standalone issue

Frequency of assessment
Annually

How far into the future are risks considered?
More than 6 years

Type of tools and methods used
Tools on the market

Tools and methods used
WRI Aqueduct

Comment
We rely on data provided by the World Resources Institute's Aqueduct Water Risk Atlas to map our facility locations based on its extreme water scarcity categories throughout North America.

Supply chain

Coverage
None

Risk assessment procedure
<Not Applicable>

Frequency of assessment
<Not Applicable>

How far into the future are risks considered?
<Not Applicable>

Type of tools and methods used
<Not Applicable>

Tools and methods used
<Not Applicable>

Comment

Other stages of the value chain

Coverage
None

Risk assessment procedure
<Not Applicable>

Frequency of assessment
<Not Applicable>

How far into the future are risks considered?
<Not Applicable>

Type of tools and methods used
<Not Applicable>

Tools and methods used
<Not Applicable>

Comment

W3.3b

(W3.3b) Which of the following contextual issues are considered in your organization's water-related risk assessments?

	Relevance & inclusion	Please explain
Water availability at a basin/catchment level	Relevant, always included	We include this information when assessing our risks to direct operations because have facilities across North America, and according to the WRI Aqueduct Water Risk Atlas, just over 34% of our facility portfolio is located in water stressed regions.
Water quality at a basin/catchment level	Relevant, always included	We maintain a comprehensive network of more than 6,000 groundwater-monitoring wells around our facilities, and every landfill uses monitoring strategies (many involving sophisticated statistical evaluations) to ensure that water quality in adjacent surface water and groundwater bodies is not impacted. WM ensures that at each of our facilities we are able to provide employees clean water for drinking and sanitation. Other aspects of our operations do not depend on the quality of the water at our facilities.
Stakeholder conflicts concerning water resources at a basin/catchment level	Relevant, always included	The basins in which facilities are located can impact water costs and availability. We provide leadership in water protection, conservation and stewardship for the sustainability of the water system. As part of our risk assessment, we identify local stakeholders and open consultation with them in community engagement initiatives at key projects and in particular with regard to our conservation programs with local and national NGOs such a Wildlife Habitat Council (WHC).
Implications of water on your key commodities/raw materials	Not relevant, included	This issue is not relevant because WM is a service provider and does not produce products that require commodities and raw materials. We do not anticipate implications of water on key commodities/raw materials to be relevant in the future.
Water-related regulatory frameworks	Relevant, always included	We recognize that regulatory changes due to continued water stress/scarcity of affected regions, specifically in the west and southwest of the United States, are always within sight. Our government affairs staff monitor these changes as part of annual strategic and risk management planning processes.
Status of ecosystems and habitats	Relevant, always included	Waste Management owns a wide range of properties — large and small, urban and rural. At our larger properties, in the substantial areas that we set aside as buffer zones, we make a concerted effort to enhance the natural value of the land by providing habitat for wildlife and offering educational opportunities and natural beauty to the surrounding community. Waste Management's conservation activities vary in scope from individual species management and community engagement to large-scale habitat restoration. In addition, our Corporate Lands for Learning Programs protect watershed areas through conservation and active community involvement.
Access to fully-functioning, safely managed WASH services for all employees	Relevant, always included	All WM facilities across North America comply with local development code and municipal ordinances regarding mandatory provisions of fully functioning water supply, adequate sanitation and hygiene (WASH) in its facilities. All our workers, regardless of their status of employment, gender orientation, age, race and nationality have 100% access to WASH.
Other contextual issues, please specify	Not considered	

W3.3c

(W3.3c) Which of the following stakeholders are considered in your organization's water-related risk assessments?

	Relevance & inclusion	Please explain
Customers	Relevant, sometimes included	Our recent assessment shows that there is little or relatively no impact to our customers from our organization's current water risk. However, changes in operations in the future to mitigate potentially negative impacts in water stressed regions where our facilities are located may affect the future cost of disposal, recycling and landfilling operations. Our costs will rise, as will those of our customers.
Employees	Relevant, always included	Continued water stress currently identified in specific regions of the United States may potentially spread and impact water supply in other regions as well. Since our business operations rely fully on our employees, the impact of reduced water quality and quantity will potentially affect our employees' health and productivity.
Investors	Relevant, always included	Through the years, we recognize that our investors have been increasingly aware of the impact of water resources on the business sector generally, although WM is generally less water dependent than most in the industry.
Local communities	Relevant, always included	Watershed areas where our facilities are located are vulnerable to degradation in water resources. At times we have partnered with federal, state, and local stakeholders to evaluate the sufficiency and effectiveness of regulations protecting the water supply.
NGOs	Relevant, always included	WM has partnered with many NGOs to evaluate the sufficiency of the regulatory system as it impacts water quality and quantity. In the reporting year, WM partnered with federal and state governments and NGOs to call for Life Cycle Thinking when evaluating products and services.
Other water users at a basin/catchment level	Relevant, always included	In the context of extreme weather events, whether drought or extreme precipitation associated with climate change, other water users at a local level may be indirectly impacted. Some Market Areas are already experiencing shortages in some locations, and factor into local plans the mechanisms that will be available to allocate water in the event of scarcity.
Regulators	Relevant, always included	Watershed areas where our facilities are located, particularly our landfills, are vulnerable to degradation in water resources. At times we have partnered with federal, state, and local stakeholders to evaluate the sufficiency and effectiveness of regulations protecting the water supply.
River basin management authorities	Relevant, always included	Watershed areas where our facilities are located, particularly our landfills, are vulnerable to degradation in water resources. That is why we have regularly partnered with federal, state, and local stakeholders to continually evaluate the sufficiency and effectiveness of regulations protecting the water supply.
Statutory special interest groups at a local level	Relevant, always included	Watershed areas where our facilities are located, particularly our landfills, are vulnerable to degradation in water resources. That is why we have regularly partnered with federal, state, and local stakeholders to continually evaluate the sufficiency and effectiveness of regulations protecting the water supply.
Suppliers	Relevant, sometimes included	Unlike product manufacturing, Waste Management primarily offers waste hauling and environmental services with multiple qualified suppliers across North America. Our supply chain therefore is not directly exposed to water related risks that have the potential to generate a substantial change in our business operations, revenue, or expenditure.
Water utilities at a local level	Relevant, always included	While WM is a service provider and does not produce products that will impact commodities and raw materials, we continue to assess water impacts to our overall operations. Our landfill sites use water to enhance anaerobic digestions and mitigate fugitive dust emissions. Some Market Areas are already experiencing shortages in some locations, and factor into local plans the mechanisms that will be available to allocate water in the event of scarcity.
Other stakeholder, please specify	Not considered	

W3.3d

(W3.3d) 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.

At the company level, WM uses an enterprise risk management (ERM) process involving senior leaders and subject matter experts from all major divisions to assess the materiality of all risks across the enterprise. Facilitated by our Treasury & Risk Management department, a standardized risk profile created for each headline risk is submitted to the Senior Leadership Team (SLT) and the Board of Directors. If a headline risk or risks have trended over time, action is taken: the SLT is briefed on the risks with a scorecard for each. A headline risk with a high weighted average rating is identified as a "Priority Risk" and receives a more granular assessment, quantification of that risk, and is elevated for further discussion with the SLT and the Board of Directors.

Risks and opportunities are prioritized according to (financial) impact, likelihood (of event), outlook (of risk exposure) and confidence (in risk management). The executive team that manages our enterprise risk reporting to the Board reviews all submissions for consistency in determining scope of impacts, and comprehensiveness in determining the adequacy of current support by internal staff, the sufficiency of financial support for contractors or mitigation measures needed to manage and reduce risk, sufficiency of legal support, and the extent and sufficiency of third-party consulting support. All headline risks have a standardized scorecard which includes an overall weighted average rating, individual ratings for sub-risks, forward-looking action plans with measurable indicators and progress updates on action plans from previous assessments.

The environmental impacts, risks, and opportunities, including water-related, associated with potential climate-related impacts are discussed each year. WM's Landfill group and Corporate Development & Innovation department briefs the Board at least annually. Moreover, the staff working on the ERM documentation coordinate with those drafting the risk factor description for the Annual Report Form 10-K to assure thoroughness in response.

Severe storms provide an example of physical risk. Increased risk from severe storms, such as major hurricanes, flooding and fires in our service areas, impact WM facilities, employees and our ability to service customers. This headline risk resulted in discussions with SLT, impacted Area and Operations Managers. An enterprise-wide Emergency Preparedness and Contingency Response Plan was created along with market areas-specific plans for most at-risk business divisions. These are updated annually. Major hurricanes and fires in our service areas have subsequently demonstrated how our planning and commitment can assist our customers in rebounding rapidly from weather-related emergencies, strengthening our customer loyalty.

In addition, WM has a formalized process in place that is performed annually and reviewed with the Chief Procurement Officer for identifying sustainability risks in our supply chain. Sustainability risks include: financial and insurance-related risks (including compliance and governance considerations), safety and health, and lack of supplier diversity. We monitor insurance declarations, conduct site visits and unannounced inspection of suppliers' facilities, and also work closely with the operations in the field to observe the service level provided to our operations.

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?

Waste Management defines substantive strategic impact as events that directly impact the day-to-day operations of our facilities for an extended period of time, not only in terms of additional costs to maintain operations but also in potential lost revenues from the inability to service our customers via collection, hauling, and disposal of materials.

For example, virtually any of WM's landfill sites in the U.S. and Canada are vulnerable to intermittent drought conditions, flood conditions or both. These significant weather pattern changes can impact the behaviors of materials decaying in a controlled MSW landfill environment. Flooding can impede the collection of landfill gas by filling collection wells with water; drought can reduce the rate of decay of organic material because water is essential to the decay process. Both extreme conditions result in additional labor being required to manage the landfill gas collection system, with additional liquids collection required to respond to excess moisture, and with adjustments to the gas collection system vacuum required to respond to the decrease in gas generation resulting from too little moisture. This can also create roadblocks for the productivity of the landfill gas-to-energy portion of our business.

WM has sites that fall into each of these categories, therefore the magnitude of the individual financial impacts of these operational disruptions will vary from site to site. While these events may generate temporary disruptions in our operations, we only consider them to be substantive if they result in a long-term disruption across multiple aspects of our operations.

W4.2b

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

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	Unlike product manufacturing, Waste Management primarily offers waste hauling and environmental services for customers across North America. The primary use of freshwater in our direct operations is for domestic uses such as drinking, sanitation and landscaping. Our hauling operations use recycled water for truck maintenance and periodic cleaning and washing. Our recycling operations and transfer stations use recycled water for odor mitigation. Our landfill operations use recycled water for soil stabilization and fugitive dust emissions control. Some of our renewable energy projects use recycled water in boilers for steam turbines. After reviewing our previous responses to this question, as well as industry-specific information gathered from the WRI aqueduct tool, we have determined that our direct operations are not directly exposed to water-related risks that have the potential to generate a substantial change in our business operation, revenue or expenditure. WM continues to evaluate exposure to water-related risks in our direct operations.

W4.2c

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

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	As an integrated environmental service company, our primary supply chain involves the trucks, heavy equipment, and containers that we use to manage the waste that we collect, as well as safety gear, information technology, and office supplies that we utilize to operate our business. Additionally, WM is in many instances part of a closed loop materials management process. Our municipal and private sector customers contracting for recycling services are in fact the suppliers of the raw materials we collect to feed our Materials Recovery Facilities, which in turn serve as the suppliers of the feedstock for paper, metal and other manufacturing companies. These companies produce products that after being used are collected by WM for recycling to use again. As such, our supply chain is not directly exposed to water-related risks that have the potential to generate a substantial change in our business operation, revenue or expenditure. WM continues to evaluate exposure to water-related risks from our supply chain.

W4.3

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

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

W4.3a

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

Type of opportunity
Efficiency

Primary water-related opportunity
Improved water efficiency in operations

Company-specific description & strategy to realize opportunity
Water consumption monitoring and baseline establishment, including as well as implementing globally accepted environmental design guidelines such as LEED and Green Globes.

Estimated timeframe for realization
Current - up to 1 year

Magnitude of potential financial impact
Medium

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

Potential financial impact figure (currency)
<Not Applicable>

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

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

Explanation of financial impact
We estimate the financial impact to be less than 1% of our 2020 revenue.

Type of opportunity
Resilience

Primary water-related opportunity
Increased resilience to impacts of climate change

Company-specific description & strategy to realize opportunity
Constantly refining our emergency planning and response capabilities to be able to service communities impacted by weather-related events.

Estimated timeframe for realization
1 to 3 years

Magnitude of potential financial impact
Medium

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

Potential financial impact figure (currency)
<Not Applicable>

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

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

Explanation of financial impact
To prepare for the possibility of extreme weather emergencies that have the potential to disrupt our business, we have instituted emergency contingency plans and staged emergency equipment and fuel to ensure continuity of service or a return to service in the shortest time period possible. These plans are based on an assessment of the types of disasters that could affect each business region and the ways in which each type of disaster would impact our employees, business operations and community needs. Implementing best management practices now to mitigate these weather-related risks in the future allows our businesses in these areas to operate more efficiently and demonstrate environmental leadership in our industry. Although business continuity is our primary opportunity, cost savings and increase in our brand value are positive impacts of these strategies. The financial impact of these planning and implementation processes is rolled up into operational impacts and not specific to water issues.

W6. Governance

W6.1

(W6.1) Does your organization have a water policy?
Yes, we have a documented water policy that is publicly available

W6.1a

(W6.1a) Select the options that best describe the scope and content of your water policy.

	Scope	Content	Please explain
Row 1	Company-wide	Description of business dependency on water Description of business impact on water Description of water-related performance standards for direct operations Reference to international standards and widely-recognized water initiatives Company water targets and goals Commitment to align with public policy initiatives, such as the SDGs Commitments beyond regulatory compliance Commitment to water-related innovation Commitment to stakeholder awareness and education Commitment to water stewardship and/or collective action Commitment to safely managed Water, Sanitation and Hygiene (WASH) in the workplace Acknowledgement of the human right to water and sanitation Recognition of environmental linkages, for example, due to climate change	We recognize that fresh water supplies are an increasingly scarce resource in our world. Though our operations are not relatively water intensive, we nevertheless work to use water sparingly and responsibly in our operations. Primary water uses include dust control and soil compaction at our landfills; cleaning and maintenance in our fleets; and drinking and sanitation in our facilities. Our approach to water conservation is guided by our company-wide conservation policy, which counsels facilities to consistently look for opportunities to reduce our water usage. In addition to conserving water, Waste Management works to maintain or improve the quality of local water supplies and to replenish subsurface water supplies. In some instances, we use methods such as reverse osmosis purification to treat and return water from industrial use into the environment at drinking-water quality and, at some facilities, we design "zero discharge" stormwater management infrastructure. More information on our water stewardship efforts can be found in our ESG Hub at https://sustainability.wm.com/esg-hub/environmental/water-stewardship

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)	As a member of our Board, our CEO regularly receives environmental, health and safety compliance reports from management. Our Compliance Audit Services department supports these efforts and oversees compliance audits at all company-owned, -operated and -controlled facilities and operations.

W6.2b

(W6.2b) Provide further details on the board's oversight of water-related issues.

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	Monitoring implementation and performance Overseeing major capital expenditures Reviewing and guiding business plans Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding strategy Reviewing and guiding corporate responsibility strategy Reviewing innovation/R&D priorities Setting performance objectives	Members of the Senior Leadership Team (listed in W6.3) report to our Board of Directors on issues relating to climate change (including recycling productivity, renewable energy generation, water-related issues, and pending regulatory matters) that may have near- or longer-term impact on our finances or the value of services we provide. The Board, in turn, provides our Senior Leadership Team strategic advice for the business

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 Operating Officer (COO)

Responsibility
Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues
Half-yearly

Please explain
As part of the oversight of our collection and disposal operations, our Executive Vice President and Chief Operating Officer has responsibility for issues related to water and water risk as a component of our operations.

Name of the position(s) and/or committee(s)
Chief Sustainability Officer (CSO)

Responsibility
Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues
Half-yearly

Please explain
Our Senior Vice President and Chief Sustainability Officer retains responsibility for confirming that we operate in an environmentally compliant and environmentally conscious manner. This includes coordination of climate change legislative and regulatory issues for the Company through our Sustainability team which interfaces regularly with partners in our Legal, Government Affairs, Communications, and Environmental Management departments.

Name of the position(s) and/or committee(s)
Other, please specify (Senior Director, Sustainability and Policy)

Responsibility
Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues
As important matters arise

Please explain
The Senior Director of Sustainability and Policy, reporting up to our Senior Vice President and Chief Sustainability Officer, oversees the work of our GHG Reporting Team, coordinating the corporate-wide reporting efforts such as data collection, calculation, updates and report composition.

Name of the position(s) and/or committee(s)
Other, please specify (VP, Environmental Management Group)

Responsibility
Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues
As important matters arise

Please explain
Reporting to the Vice President of Disposal Operations Support, our VP, Environmental Management Group manages the day to day operations of our environmental compliance teams.

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	

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	Other, please specify (Environmental Management Group)	Improvements in waste water quality - direct operations	Management is rewarded for execution of WM's financial goals, which benefit from management of water-related issues
Non-monetary reward	No one is entitled to these incentives	<Not Applicable>	No non-monetary incentives are awarded for water-related issues.

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, direct engagement with policy makers
Yes, trade associations
Yes, funding research organizations

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?

WM has a Sustainability Team that works directly with members of our Legal, Government Affairs, Communications, Environmental Management and WM Sustainability Services (WMSS) departments to monitor emerging sustainability-related programs and other events and provide feedback internally to our Senior Vice President and Chief Sustainability Officer, our Chief Operating Officer, our Board of Directors and our business units, as well as externally to legislators and regulators on elements that may impact the company and the environmental services industry at policy level. The same cross-functional team ensures that engagements and activities that may influence a policy, directly or indirectly are properly monitored and vetted for consistency with the company's overall climate change strategies. Our internal Public Policy Group oversees federal and state legislative and regulatory response to enhance the consistency of WM advocacy across multiple forums. Individual responsibility for policy oversight for issues with climate change implications (e.g., clean air regulations, natural gas vehicle incentives, recycling policy) is identified on the WM intranet site to enhance consistency and coordination.

W6.6

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

Yes (you may attach the report - this is optional)

W7. Business strategy

W7.1

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

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	11-15	When establishing our strategic objectives, we take into account the perspectives of our customers, shareholders, employees, community members, regulators and other stakeholders, as well as our performance against key internal metrics and our reputation as measured with key audiences. We may employ “heat maps” that identify the geographic scope and intensity of risks and opportunities.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	11-15	We align our major financial, operational, environmental, community, people, safety, compliance and customer objectives with those specific company-wide programs and initiatives that have been approved and funded as critical to achieving our strategic objectives. Performance expectations are communicated throughout the organization, and senior leadership assigns quarterly and annual targets to which our field operations are held accountable. An ongoing initiative focuses all employees on knowing our customers better, optimizing assets, innovating in technologies, creating more efficient systems and extracting maximum value from the waste stream.
Financial planning	Yes, water-related issues are integrated	11-15	Opportunities presented to Waste Management from outside or inside the company that have the best potential to deliver high degrees of water-use reduction at low cost or to deliver water use reductions combined with a positive return are given priority for implementation. This approach to addressing the challenges of climate change is integrated into our evaluation of all activities and potential investments — from collection fleet and logistics to administrative functions and operating facilities.

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

We consider water-related capital expenditure changes de minimis compared to our overall CAPEX and OPEX.

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	Yes	

W7.3a

(W7.3a) Has your organization identified any water-related outcomes from your climate-related scenario analysis?

Yes

W7.3b

(W7.3b) What water-related outcomes were identified from the use of climate-related scenario analysis, and what was your organization's response?

	Climate-related scenarios and models applied	Description of possible water-related outcomes	Company response to possible water-related outcomes
Row 1	Other, please specify (WRI Acqueduct)	WM facilities located in areas with medium to high public awareness around water issues could carry higher reputational risks if water is not sustainably managed. For example, 16% of WM Facilities are in medium to high riverine flood areas, 9% are in high riverine flood areas, and 2% are in extremely high riverine flood areas; these are evenly spread across facility type. 2% of WM Facilities are in medium to high coastal flood areas and 2% are in high coastal flood areas. In a business as usual scenario, 80% of WM Facilities are located in areas projected to experience near normal water stress in 2030, decreasing to 59% in 2040. 18% of these may experience up to 1.4 times increase in water stress in 2030, 38% in 2040. In 2030, seven landfills, nine transfer stations, one MRF and nine hauling facilities may experience twice the water stress. In 2040, fifteen landfills, six transfer stations, two MRFs and eleven hauling facilities may experience twice the water stress, with 2 landfills and one hauling facility may experience 2.8 or greater increase in water stress.	Our operations located in the path of recent hurricanes and wildfires are intimately aware of the risks and already have Emergency Response Plans (Plans) in place. Scenario analyses of the physical impact of climate change on all locations where WM has a facility of any kind has resulted in taking a closer look at potential future impacts. WM realized that we should expand our scenario analysis to include more facilities and look to the longer-term future to consider locations that might be similarly impacted in 2030 and 2040, and begin to adapt existing plans for these locations. Our 2019 analysis shows that approximately 15% of WM Facilities are currently in medium-high to extremely high flood areas. We are considering multiple scenarios where WM operations are impacted to varying degrees and have plans, or are currently developing plans, to utilize the closest operations that would be out of the severe weather path. Another example is plotting WM locations into scenario analysis that shows areas of high drought severity and high likelihood of wildfires to try to predict where we may need to be prepared in the future. These results will be made available to the specific departments responsible within the next 6 months and followed up with meetings to discuss as applicable.

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

Water issues are not significant to our direct and indirect operations, and at this time we do not anticipate using an internal price for water.

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 Business level specific targets and/or goals Site/facility specific targets and/or goals	Targets are monitored at the corporate level Goals are monitored at the corporate level	When establishing our strategic objectives, we take into account the perspectives of our customers, shareholders, employees, community members, regulators and other stakeholders, as well as our performance against key internal metrics and our reputation as measured with key audiences. We often employ "heat maps" that identify the geographic scope and intensity of risks and opportunities. We align our major objectives with those specific company-wide programs and initiatives that have been approved and funded as critical to achieving our strategic objectives. Performance expectations are communicated throughout the organization, and senior leadership assigns quarterly and annual targets to which our field operations are held accountable. We set targets as part of our annual budgeting process. The targets represent commitments we have made to our stakeholders and include improvements and metrics that are factored into employee evaluations. Our operations at all levels report progress in reaching the targets. At the corporate level, monthly and quarterly reports are prepared and presented to the Board of Directors at each of its meetings. There are Monthly Business Review and Quarterly Business Review meetings to continually engage layers of management on progress toward company goals. This format and target-setting process (using specific key performance indicators) was integrated into our annual performance planning process to ensure consistency among strategy, performance planning, and performance measurement and accountability

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
Monitoring of water use

Level
Company-wide

Primary motivation
Cost savings

Description of target
Our goal is to have 100% of our non-groundwater facilities that use metered municipal water monitoring water use through our UBM System by 2021.

Quantitative metric
% sites monitoring water withdrawals total volumes

Baseline year
2014

Start year
2014

Target year
2021

% of target achieved
43

Please explain
We are continuing to work with our Accounting, Supply Chain, and Real Estate groups to ensure that all metered-use sites are added into the database, including those from our recent acquisition of ADS. Additionally, in 2017 we began estimating water use at other sites, such as those that primarily use groundwater, using USGS groundwater withdrawal data and other internal estimates. This enables us to better monitor the amount of water used at our facilities and allows each Market Area and individual site to assess any water related issues such as leaks or usage deviations.

W8.1b

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

Goal
Engaging with local community

Level
Company-wide

Motivation
Water stewardship

Description of goal
WM participates in the Wildlife Habitat Council and Corporate Lands for Learning Programs, which help protect watershed areas through conservation, education and active community involvement. These programs are key to our newly established goal of connecting with 1 million people through environmental education programs, events and activities.

Baseline year
2019

Start year
2019

End year
2038

Progress
We are currently working on developing our program to support this goal, however, Waste Management already reaches many communities through • 17,916 Acres actively managed for wildlife preservation • 217 Active habitat, species and education certified projects • 79 WHC-certified programs • 56 Gold- and Silver-certified programs • 42 Pollinator programs • 2,600 Hours volunteered by employees on conservation education

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, we do not currently verify any other water information reported in our CDP disclosure

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 and Chief Executive Officer	Chief Executive Officer (CEO)

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

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission
I am submitting my response	Investors	Public

Please confirm below

I have read and accept the applicable Terms