

## W0. Introduction

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### W0.1

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

Occidental Petroleum Corporation (Oxy) is an international energy company with assets in the United States, Middle East, Africa and Latin America. Founded in 1920, Oxy's success is built on technical expertise, business acumen, strong partnerships and our proven ability to deliver lasting results. We are one of the largest oil producers in the U.S., including a leading producer in the Permian and Denver-Julesburg (DJ) basins, and offshore Gulf of Mexico.

Oxy's integrated business model combines best-in-class assets and industry leadership to advance a lower-carbon future as the first major U.S. oil and gas company to establish net-zero greenhouse gas (GHG) emission goals for Scopes 1, 2 and 3, including the global use of our products. Our midstream and marketing segment purchases, markets, gathers, processes, transports, and stores oil, condensate, natural gas liquids, natural gas, CO2 and power. Our chemical subsidiary, OxyChem, is a leading manufacturer of PVC resins, vinyls, chlorine and caustic soda – key building blocks to life-enhancing products such as pharmaceuticals, water treatment chemicals, building materials and plastics. Our Oxy Low Carbon Ventures (OLCV) subsidiary is advancing leading-edge technologies and business solutions that economically grow our business while reducing emissions.

We are committed to being a Partner of Choice® everywhere we operate. At our business locations, we follow established procedures to gain an understanding of how Oxy's presence affects the surrounding area and the challenges faced by local communities. By investing in programs and initiatives that manage our operational profile and address key stakeholder interests, Oxy strengthens relationships with communities and creates shared value for stakeholders and our business.

Oxy is committed to advancing a lower-carbon world, respecting the environment, operating safely and upholding the highest standards of ethical business practices. Oxy applies a robust environmental risk management approach and operational practices to increase energy efficiency and reduce emissions of GHGs and other compounds, even while sustaining our production and resource base. The production of oil and gas, electricity and chemicals requires water, and Oxy understands the importance of managing water resources responsibly. Oxy's water management program is designed to conserve and protect water resources in communities where we operate by optimizing the use of lower-quality produced water, the recycling of produced water and process water from our operations and limiting the use of freshwater and potable water in our operations where feasible.

Oxy's water stewardship program, including our use of technology for recycling and reuse and our principles of conservation, is part of our demonstrated support of and alignment with the United Nations Sustainable Development Goals (SDGs), in particular SDGs 6 (Clean Water and Sanitation), 8 (Decent Work and Economic Growth), 9 (Industry, Innovation and Infrastructure), 12 (Responsible Consumption and Production), 13 (Climate Action), 14 (Life Below Water), and 15 (Life on Land). The SDGs give Oxy a complementary framework to use as we communicate and partner with host governments and communities.

We are also aligned with IPIECA Impact Pathway 51 (Resource Management and Biodiversity, Land, and Water Stewardship) to adopt water stewardship strategies that include: collaboration around integrated water resources management; local participation in the collective management of water, particularly in areas of water scarcity; the improvement of water quality; and recycling and reuse of water, where feasible, to reduce Oxy's usage of freshwater.

Lastly, Oxy's reporting process and performance indicators are informed by IPIECA, SASB, the ACC's Responsible Care® initiative, and the Stakeholder Capitalism Metrics of the World Economic Forum.

In 2021, Oxy's total estimated water withdrawals combining both fresh and non-fresh water, including produced water, stayed the same from 2020 even with higher field activity related to growing oil and gas demand in the second half of the year, while the global economy began improving with the subsiding coronavirus pandemic.

### W-CH0.1a

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#### (W-CH0.1a) Which activities in the chemical sector does your organization engage in?

Bulk organic chemicals  
Bulk inorganic chemicals

### W-OG0.1a

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#### (W-OG0.1a) Which business divisions in the oil & gas sector apply to your organization?

Upstream  
Chemicals

## W0.2

(W0.2) State the start and end date of the year for which you are reporting data.

|                | Start date     | End date         |
|----------------|----------------|------------------|
| Reporting year | January 1 2021 | December 31 2021 |

## W0.3

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

Bolivia (Plurinational State of)  
Canada  
Chile  
Oman  
United Arab Emirates  
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?

Yes

## W0.6a

(W0.6a) Please report the exclusions.

| Exclusion  | Please explain   |
|--|--|
| Water use/discharge at non-operated assets and facilities. | Occidental does not exercise operational control over certain assets and Joint Ventures (JVs). |

## W0.7

(W0.7) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

| Indicate whether you are able to provide a unique identifier for your organization. | Provide your unique identifier |
|---|--------------------------------|
| Yes, an ISIN code   | US6745991058                   |

## W1. Current state

### W1.1

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

|  | Direct use importance rating | Indirect use importance rating | Please explain  |
|--|------------------------------|--------------------------------|---|
| Sufficient amounts of good quality freshwater available for use                  | Vital                        | Important                      | It is important to Oxy that we use all sources of freshwater responsibly. We believe Oxy's water use does not impact the water supply of communities where we operate. Our oil and gas production operations generate significant quantities of produced water (i.e., saline water from hydrocarbon reservoirs). This produced water would not be generated and available for use as a resource without oil and gas production. Since recycled produced water is often sufficient to meet the bulk of our needs, produced water helps us to avoid competing for freshwater resources with municipal, agricultural or industrial users or using freshwater needed to sustain riparian habitat. Oxy has introduced, through our water stewardship efforts, water technologies in recycling and desalination to further reduce freshwater needs, including constructing water recycling facilities in eastern New Mexico starting in 2016 and in West Texas in early 2021, and we have continued to develop additional treatment and recycling with experienced contractors in the Permian Basin and the Rockies. For our New Mexico's Delaware Basin operations, we did not withdraw any water from freshwater sources in 2021. All sourced water was non-fresh, with 96% of it being produced water. Similarly, the Midland Basin operations were predominantly sourced with non-fresh water with 43% of it being produced water. As a result, we are able to limit our freshwater use to certain activities for which the quality of recycled produced water is not sufficient, such as plant process or cooling water for chemical, gas processing and cogeneration plants, and in certain drilling, hydraulic fracturing and water injection applications. OxyChem uses freshwater for production and cooling purposes, in addition to producing electricity. Freshwater is also used by our workers on an indirect basis for cleaning and drinking purposes. |
| Sufficient amounts of recycled, brackish and/or produced water available for use | Important                    | Not very important             | With respect to direct use, Oxy's oil and gas operations increasingly replace our use of freshwater with brackish/non-potable produced water, naturally occurring water that originates in the hydrocarbon reservoir and comes to the surface along with oil and gas during production. The extraction, processing, treatment and reinjection of produced water is integral to the design and efficient operation of Oxy's mature oil and gas fields, including water, steam and CO2 injection for enhanced oil recovery (EOR) operations. In 2021, our domestic oil and gas operations withdrew only 6% of water from freshwater sources. 94% of the total withdrawn water came from non-fresh sources, out of which 87% was produced water. In our Permian Basin, oil and gas operations freshwater withdrawal was even lower and amounted to only 4%. Of the total withdrawn water, 96% came from non-fresh sources, out of which 93% was produced water. At OxyChem, the manufacture of chlorine and caustic soda involves the purchase and processing of brine (saltwater) streams.  |

**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                            | Operational facilities estimate, measure, or monitor water withdrawals from all sources, including brackish, oil and gas produced water, non-fresh water, freshwater and potable water. For Oxy's oil and gas operations, the vast majority of our water withdrawals for oil and gas operations constitute brackish/non-potable produced water - naturally occurring water that originates in the hydrocarbon reservoir and comes to the surface along with oil and gas during production. |
| Water withdrawals – volumes by source  | 76-99                            | Oxy's facilities estimate, measure, or monitor water withdrawals by source to optimize operational processes and conservation opportunities. For Oxy's U.S. oil and gas operations - including operations in potentially water-stressed areas, water needs are typically sourced using non-fresh water, including produced water.  |
| 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]              | 76-99                            | For Oxy's oil and gas operations, essentially all produced water is co-produced with oil and gas extracted from wells.   |
| Water withdrawals quality  | 76-99                            | Oxy's facilities measure water quality periodically to optimize operational processes and recycling opportunities or as required by state or national-level regulations.   |
| Water discharges – total volumes   | 76-99                            | Oxy's facilities estimate, measure, or monitor discharges by volumes periodically to optimize operational processes and recycling opportunities or as required by regulations.   |
| Water discharges – volumes by destination  | 76-99                            | Oxy's facilities estimate, measure, or monitor discharges by destination periodically to optimize operational processes and recycling opportunities or as required by regulations.   |
| Water discharges – volumes by treatment method   | 76-99                            | Oxy's facilities estimate, measure, or monitor discharges by treatment method periodically to optimize operational processes and recycling opportunities or as required by regulations.  |
| Water discharge quality – by standard effluent parameters  | 76-99                            | Oxy's chemical facilities estimate, measure, or monitor discharges by effluent parameters periodically to optimize operational processes and recycling opportunities or as required by regulations.  |
| Water discharge quality – temperature  | 1-25                             | Oxy's chemical facilities measure or monitor discharges by temperature periodically to optimize operational processes and recycling opportunities or as required by regulations.   |
| Water consumption – total volume   | 76-99                            | Oxy's chemical and oil and gas facilities estimate, measure and track water consumption periodically to optimize operational processes and conservation opportunities or as required by regulations.   |
| Water recycled/reused  | 76-99                            | Oxy's chemical and oil and gas facilities estimate, measure and track water recycled and reused to optimize processes and evaluate additional recycling opportunities or as required by regulations.   |
| The provision of fully-functioning, safely managed WASH services to all workers  | 100%                             | Oxy's offices, field camps, OxyChem and oil and gas facilities provide adequate water facilities for potable uses, sanitation and hygiene.   |

**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 | 480579                   | About the same                          | In 2021, Oxy's total estimated water withdrawals, combining fresh and non-fresh water as well as produced water, stayed about the same as 2020 values even with higher production activity related to oil and natural gas demand. Throughout our global operations, Oxy strives to increase the rate of recycling and reuse of water, which decreases our freshwater withdrawals, and also the need for transportation of water and disposal of surplus produced water. Since submitting the last year's CDP Water Security Questionnaire, we updated our Total Withdrawals in 2020 from 419,680 megaliters to 482,053 megaliters based on our ongoing internal data reviews regarding produced water. Accordingly, we used that updated amount as the basis for the comparisons with 2021 that we have reported in this response. |
| Total discharges  | 188471                   | Lower                                   | In 2021, Oxy's wastewater discharge decreased 4% compared to 2020 values. Oxy defines total wastewater discharges = process water and/or wastewater discharged to surface bodies, land application, and Publicly Owned Treatment Works (POTW), Oxy-owned and third-party-operated disposal wells.  |
| Total consumption | 292108                   | Higher                                  | Total water consumption was 2% higher in 2021 compared to 2020 due to increased field activities as the coronavirus pandemic impact on the global economy became weaker. Since submitting the last year's CDP Water Security Questionnaire, we updated our Total Consumption in 2020 from 285,309 megaliters to 285,394 megaliters, based on our ongoing internal data reviews. Accordingly, we used that updated amount as the basis for the comparisons with 2021 that we have reported in this response.  |

**W-OG1.2c**

**(W-OG1.2c) In your oil & gas sector operations, what are the total volumes of water withdrawn, discharged, and consumed – by business division – and what are the trends compared to the previous reporting year?**

|   | Volume (megaliters/year) | Comparison with previous reporting year % | Please explain  |
|---|--------------------------|---|---|
| Total withdrawals - upstream                | 340949                   | About the same                            | In 2021, Oxy's total estimated water withdrawals combining both fresh and non-fresh water, including produced water, remained about the same from 2020 values even with higher field activity related to oil and natural gas demand. It is important to note that our global oil and gas operations withdrew only 5% of water from freshwater sources; the remainder came from non-fresh sources, primarily produced water. Throughout our global operations, Oxy strives to increase the rate of recycling and reuse of water, which decreases our freshwater withdrawals, and also the need for transportation of water and disposal of surplus produced water.   |
| Total discharges – upstream                 | 87766                    | Lower                                     | In 2021 discharges from oil and gas operations were 11% lower due to: (1) decreased development activity in New Mexico to sustain 2020 exited production rates; (2) increased recycling of produced water in the Midland Basin due to a newly built recycling facility at the South Curtis Ranch; and (3) divestiture of produced water piped to third parties by some of our Delaware Basin assets. Throughout our operations, Oxy is increasing the rate of recycling and reuse of water, which decreases our freshwater withdrawals and also the need for transportation of water and disposal of surplus produced water. Total wastewater discharges = process and/or wastewater discharged to surface bodies, land application and Publicly Owned Treatment Works (excludes Oxy on-site and third-party disposal). |
| Total consumption – upstream                | 253183                   | About the same                            | An increase of 4% total consumption was due to higher field development activity.   |
| Total withdrawals - midstream/downstream    | <Not Applicable>         | <Not Applicable>                          | <Not Applicable>  |
| Total discharges – midstream/downstream     | <Not Applicable>         | <Not Applicable>                          | <Not Applicable>  |
| Total consumption – midstream/downstream    | <Not Applicable>         | <Not Applicable>                          | <Not Applicable>  |
| Total withdrawals – chemicals               | 139630                   | About the same                            | OxyChem's sustainability goal around water consumption has generated several projects to reduce its water footprint. These activities resulted in a 1% decrease in OxyChem's water withdrawals in 2021 compared to 2020. Idling of OxyChem's Convent facility in Louisiana for half of 2021 due to hurricane Ida and a maintenance shutdown at a cogeneration plant also contributed to lower volumes of water withdrawals by OxyChem.  |
| Total discharges – chemicals                | 100705                   | Higher                                    | The total amount of discharges attributed to OxyChem increased 3%. Where feasible, OxyChem focuses on reusing process water and strives to reduce its water discharge. OxyChem's water stewardship target has generated several projects in 2021 at our facilities in Wichita, Kansas, and Ingleside and Dallas, Texas to reduce our water footprint by reconfiguring the water flow, reusing steam condensate, recovering wastewater, routing the water blowdown between cooling towers, and decreasing make-up water demand requirements.   |
| Total consumption – chemicals               | 38925                    | Higher                                    | In 2021, total water consumption by OxyChem was 9% lower due to idling of chemical plant and a maintenance shutdown of a cogeneration plant, as well as production levels in certain other plants.  |
| Total withdrawals – other business division | <Not Applicable>         | <Not Applicable>                          | <Not Applicable>  |
| Total discharges – other business division  | <Not Applicable>         | <Not Applicable>                          | <Not Applicable>  |
| Total consumption – other business division | <Not Applicable>         | <Not Applicable>                          | <Not Applicable>  |

**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  | 1-10                                     | About the same                          | WRI Aqueduct        | Oxy's oil and gas water management program is designed to conserve and protect water resources in communities where we operate by optimizing the use of lower-quality produced water, the recycling of water and limiting the use of freshwater withdrawals. Oxy works to ensure our water use does not compete with municipal, agricultural or industrial users of freshwater resources, or water needed for riparian habitat. Accordingly, we are reporting the percentage of our freshwater usage that comes from water-stressed areas in the Permian Basin and Oman. Oxy's U.S. operations are concentrated in the Permian Basin, considered a historically water stressed region in West Texas and New Mexico. Our high degree of recycling and reuse of produced water in the Permian alleviates stress to regional freshwater supplies. Focusing on only our make-up water in the Permian, without regard to our recycling and reuse, 96% is from non-fresh sources, with only 4% from freshwater sources (primarily for use in plants and certain drilling, completion and well servicing activities). Oxy's operations both consume and generate water and most of our operational needs in the Permian are met by recycling or reusing produced water, supplemented by other non-freshwater sources. Additionally, we have implemented a variety of water stewardship initiatives and investments to reduce our overall water footprint. In operating areas subject to water stress, we apply our Operational Management System (OMS) and the use of other industry water management tools, like the World Resources Institute's Aqueduct. We also used the Global Environmental Management Initiative®, Local Water Tool™ (GEMI Local Water Tool™) to help validate the efficacy of existing water-related safeguards and identify new opportunities to ensure the protection of water sources and receiving water bodies for equitable use by municipal, agricultural, and industrial users and for riparian habitat. Oxy considers the longer-term patterns of integrated water resources management, regenerative capacity of ground water and aquifers, population growth/demand shifts, and the potential for weather-related impacts in evaluating and mitigating the effects of water risks on key operations and the safety and well-being of employees and contractors. Evaluating a new site or asset involves evaluating legal and regulatory issues and hydrological yield in terms of the reliability of sources and proximity of other water users during exploration and production activities. Our analysis of water-related risks includes an information-gathering process, environmental due diligence, participation in industry association work groups (for example, the IPIECA Water Working Group and the American Chemistry Council Responsible Care® program) and external stakeholder engagement to inform and refine our risk management and strategic planning processes. Part of Oxy's assessment involves the identification of water-related risks and impacts as well as opportunities. Oxy uses various approaches to assess risks and to evaluate water use and discharge at key operations, taking into account factors such as: <ul style="list-style-type: none"> <li>• Physical and climatic characteristics</li> <li>• Future physical supply reliability</li> <li>• Population growth and industrial growth trends</li> <li>• Affected ecosystems</li> <li>• Regulatory issues</li> <li>• Social context</li> </ul> Oxy's water stewardship program is part of our demonstrated support of and alignment with the United Nations SDGs, in particular SDGs 6, 8, 9, 12, 13, 14 and 15. The SDGs give Oxy a complementary framework to use as we communicate and partner with host governments and communities. We are also aligned with IPIECA Impact Pathway 51 (Resource Management and Biodiversity, Land, and Water Stewardship) in implementing water stewardship strategies that include: collaboration around integrated water resources management; local participation in the collective management of water, particularly in areas of water scarcity; and improvement of water quality and recycling and reuse of produced water and process water, where feasible, to reduce usage of freshwater. |

**W1.2h**

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

|  | Relevance | Volume (megaliters/year) | Comparison with previous reporting year | Please explain   |
|--|-----------|--------------------------|---|--|
| Fresh surface water, including rainwater, water from wetlands, rivers, and lakes | Relevant  | 113419                   | About the same                          | In 2021, Oxy's total estimated water withdrawals of fresh surface water was about the same as compared to 2020 levels. Only 5% of our withdrawals were from freshwater sources; 95% were non-freshwater withdrawals, primarily produced water. Throughout our global operations, Oxy strives to increase the rate of recycling and reuse of water which decreases our freshwater withdrawals, and also the need for transportation of water and disposal of surplus produced water. Oxy characterizes freshwater sources as TDS <1,000 ppm and the volume includes water from third-party sources (includes produced freshwater + groundwater supply wells + municipal supply + surface water + other sources; excludes company generated freshwater from reverse osmosis (RO) and other processes).   |
| Brackish surface water/Seawater  | Relevant  | 15433                    | Lower                                   | In the Gulf of Mexico, we use treated seawater for our operations to limit the use of freshwater. In 2021, Oxy's brackish surface water/seawater withdrawals decreased by 1% from 2020 values.   |
| Groundwater – renewable  | Relevant  | 39224                    | Higher                                  | In 2021, Oxy's fresh and non-freshwater withdrawals from groundwater sources increased two-fold compared to 2020. Oxy's water supply sources, including groundwater, surface water and recycled produced water, are periodically tested to ensure suitability for operations. Oxy strives to minimize the withdrawal of freshwater resources (TDS <1,000 ppm) and maximize the use of non-freshwater sources.  |
| Groundwater – non-renewable  | Relevant  | 0                        | Much lower                              | Oxy did not withdraw water from non-renewable groundwater sources. Only 5% of total oil and gas related withdrawals were from freshwater sources; 95% were non-freshwater withdrawals, primarily produced water.   |
| Produced/Entrained water   | Relevant  | 285783                   | Lower                                   | In 2021, Oxy's estimated withdrawals from produced/entrained water decreased by 4% from 2020 due to lower production rates and obtaining produced water from third party sources. Only 5% of oil and gas related withdrawals were from freshwater sources; 95% were non-freshwater withdrawals, primarily produced water. Oxy focuses on increasing the treatment and reuse of produced water in operations as part of our objective to reduce freshwater consumption.   |
| Third party sources  | Relevant  | 26719                    | Much higher                             | In 2021, Oxy's total water withdrawals from third-party sources increased four-fold compared to 2020 mainly due to higher field development activities for our oil and gas operations. OxyChem is the main consumer of fresh water supplied by third-party sources. OxyChem generally prioritizes the use of freshwater withdrawal from surface freshwater where supplies are plentiful and not in competition with domestic or other users. Water from third parties is mainly utilized for potable water demand and process water needs are met by surface water sources. The main consumers of non-fresh water from third party sources were our Permian Delaware and Midland Basins. These operations were supplied with treated produced water from other operators' operations as well as purchased brackish water from third parties. Oxy has its own produced water recycling facilities; however, when recycled produced water volumes are insufficient, we supplement with these third-party sources of non-fresh water. |

**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             | Relevant  | 94916                    | Lower                                   | In 2021, Oxy reduced its freshwater-related discharges by 3% compared to 2020. As part of Oxy's Operational Management System (OMS), our programs, standards and operational strategies are designed to conserve freshwater resources such as improving the efficient use and quality of water being treated and discharged to surface water bodies. We assess other risk parameters that focus on the unique characteristics of each watershed and location of operations. The quality of our treated water discharge to the freshwater bodies is monitored in accordance with applicable permits and regulations and to meet or exceed the water quality of the receiving surface water bodies. Also, Oxy has entered into voluntary conservation agreements to protect species and habitats by minimizing and mitigating potential effects from development and water-related discharges.  |
| Brackish surface water/seawater | Relevant  | 3767                     | About the same                          | In 2021, our discharges to seawater were about the same as in 2020. In our Gulf of Mexico assets, brackish seawater is treated and discharged back into the sea.  |
| Groundwater                     | Relevant  | 0                        | Much lower                              | In 2021, Oxy did not have discharges to groundwater. Oxy's water supply sources, including groundwater, surface water and recycled produced water, are periodically tested to ensure suitability for operations. Oxy is making significant investments in subsurface characterization to assess the fluid properties across our acreage. This helps to develop a better understanding of the key geologic parameters that drive productivity, such as porosity, saturation, brittleness, total organic content, mineral and geochemical composition, rock and fluid compatibility, natural fractures, distribution and stress regimes. In addition, Oxy conducts routine groundwater monitoring at sites undergoing closure or remediation, often in conjunction with other parties, and reports monitoring results to regulatory agencies to ensure that groundwater supplies for communities are not impacted by past industrial activity and to design, operate and maintain remedial systems. |
| Third-party destinations        | Relevant  | 53983                    | Lower                                   | In 2021, Oxy had 21% lower discharge volumes to third-party destinations compared to 2020. This number includes third-party operated Publicly Owned Treatment Works, disposal wells and evaporation ponds/pits.   |

**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>   | Our approach encompasses programs, standards and operational practices designed to conserve freshwater and improve the efficient use, recycling, and reuse of water resources and the quality of water being treated and discharged to surface water bodies. Oxy discharges water to surface water bodies after treatments that meet applicable local, state and federal requirements. Oxy also considers the longer-term patterns of integrated water resources management, regenerative capacity of groundwater and aquifers, population growth/demand shifts and the potential for weather-related impacts as we evaluate and mitigate the effects of water risks on key operations, the health, safety and well-being of employees and contractors, and our host communities. |
| Secondary treatment                                    | Relevant but volume unknown               | <Not Applicable>         | <Not Applicable>  | <Not Applicable>   | Our approach encompasses programs, standards and operational practices designed to conserve freshwater and improve the efficient use, recycling, and reuse of water resources and the quality of water being treated and discharged to surface water bodies. Oxy discharges water to surface water bodies after treatments that meet applicable local, state and federal requirements. Oxy also considers the longer-term patterns of integrated water resources management, regenerative capacity of groundwater and aquifers, population growth/demand shifts and the potential for weather-related impacts as we evaluate and mitigate the effects of water risks on key operations, the health, safety and well-being of employees and contractors and our host communities.  |
| Primary treatment only                                 | Relevant but volume unknown               | <Not Applicable>         | <Not Applicable>  | <Not Applicable>   | Our approach encompasses programs, standards and operational practices designed to conserve freshwater and improve the efficient use, recycling, and reuse of water resources and the quality of water being treated and discharged to surface water bodies. Oxy discharges water to surface water bodies after treatments that meet applicable local, state and federal requirements. Oxy also considers the longer-term patterns of integrated water resources management, regenerative capacity of groundwater and aquifers, population growth/demand shifts and the potential for weather-related impacts as we evaluate and mitigate the effects of water risks on key operations, the health, safety and well-being of employees and contractors, and our host communities. |
| Discharge to the natural environment without treatment | Relevant but volume unknown               | <Not Applicable>         | <Not Applicable>  | <Not Applicable>   | Our approach encompasses programs, standards and operational practices designed to conserve freshwater and improve the efficient use, recycling, and reuse of water resources and the quality of water being treated and discharged to surface water bodies. Oxy discharges water to surface water bodies after treatments that meet applicable local, state and federal requirements. Oxy also considers the longer-term patterns of integrated water resources management, regenerative capacity of groundwater and aquifers, population growth/demand shifts and the potential for weather-related impacts as we evaluate and mitigate the effects of water risks on key operations, the health, safety and well-being of employees and contractors, and our host communities. |
| Discharge to a third party without treatment           | Relevant but volume unknown               | <Not Applicable>         | <Not Applicable>  | <Not Applicable>   | Our approach encompasses programs, standards and operational practices designed to conserve freshwater and improve the efficient use, recycling, and reuse of water resources and the quality of water being treated and discharged to surface water bodies. Oxy discharges water to surface water bodies after treatments that meet applicable local, state and federal requirements. Oxy also considers the longer-term patterns of integrated water resources management, regenerative capacity of groundwater and aquifers, population growth/demand shifts and the potential for weather-related impacts as we evaluate and mitigate the effects of water risks on key operations, the health, safety and well-being of employees and contractors, and our host communities. |
| Other  | Not relevant                              | <Not Applicable>         | <Not Applicable>  | <Not Applicable>   | Our approach encompasses programs, standards and operational practices designed to conserve freshwater and improve the efficient use, recycling, and reuse of water resources and the quality of water being treated and discharged to surface water bodies. Oxy discharges water to surface water bodies after treatments that meet applicable local, state and federal requirements. Oxy also considers the longer-term patterns of integrated water resources management, regenerative capacity of groundwater and aquifers, population growth/demand shifts and the potential for weather-related impacts as we evaluate and mitigate the effects of water risks on key operations, the health, safety and well-being of employees and contractors, and our host communities. |

**W1.3**

(W1.3) Provide a figure for your organization's total water withdrawal efficiency.

|       | Revenue    | Total water withdrawal volume (megaliters) | Total water withdrawal efficiency | Anticipated forward trend  |
|-------|------------|--|-----------------------------------|--|
| Row 1 | 2595600000 | 480579                                     | 54009.8506176924                  | Oxy strives to increase the rate of recycling and reuse of water, which decreases our need for fresh and brackish water withdrawals and transportation and disposal of surplus produced water. Oxy has implemented major water treatment, reuse and recycling projects in many locations, including the United States and Oman. Oxy is also developing or enhancing water-related technologies. These include new approaches for the treatment of produced water and wastewater streams. |

W-CH1.3

(W-CH1.3) Do you calculate water intensity for your activities in the chemical sector?

Yes

W-CH1.3a

(W-CH1.3a) For your top five products by production weight/volume, provide the following water intensity information associated with your activities in the chemical sector.

Product type

Bulk inorganic chemicals

Product name

Caustic Soda

Water intensity value (m3)

Numerator: water aspect

Total water consumption

Denominator

m3

Comparison with previous reporting year

Please select

Please explain

Total water consumption is the net consumption for the total company. Water intensity is the total annual net water consumption divided by annual production in tons. OxyChem does not disclose water intensity metrics per product.

Product type

Bulk inorganic chemicals

Product name

Chlorine

Water intensity value (m3)

Numerator: water aspect

Total water consumption

Denominator

m3

Comparison with previous reporting year

Please select

Please explain

OxyChem does not disclose water intensity metrics per product.

Product type

Bulk organic chemicals

Product name

VCM (vinyl chloride monomer)

Water intensity value (m3)

Numerator: water aspect

Total water consumption

Denominator

m3

Comparison with previous reporting year

Please select

Please explain

Total water consumption is the net consumption for the total company. Water intensity is the total annual net water consumption divided by annual production in tons. OxyChem does not disclose water intensity metrics per product.

**Product type**

Bulk inorganic chemicals

**Product name**

PVC (polyvinyl chloride)

**Water intensity value (m3)****Numerator: water aspect**

Total water consumption

**Denominator**

m3

**Comparison with previous reporting year**

Please select

**Please explain**

OxyChem does not disclose water intensity metrics per product.

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**Product type**

Bulk inorganic chemicals

**Product name**

Ethylene

**Water intensity value (m3)****Numerator: water aspect**

Total water consumption

**Denominator**

m3

**Comparison with previous reporting year**

Please select

**Please explain**

OxyChem does not disclose water intensity metrics per product.

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**W-OG1.3**

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**(W-OG1.3) Do you calculate water intensity for your activities associated with the oil & gas sector?**

Yes

**W-OG1.3a**

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**(W-OG1.3a) Provide water intensity information associated with your activities in the oil & gas sector.****Business division**

Upstream

**Water intensity value (m3)**

0.03

**Numerator: water aspect**

Freshwater withdrawals

**Denominator**

Barrel of oil equivalent

**Comparison with previous reporting year**

About the same

**Please explain**

Water intensity in 2021 increased marginally due to lower production levels. Oxy's water management program is designed to conserve water sources in communities where we operate. The vast majority of water managed by Oxy's oil and gas operations is co-produced from hydrocarbon reservoirs with oil and natural gas. Oxy strives to use non-freshwater and recycled or reused sources in place of freshwater for oil and gas operations. Oxy also obtains water from other non-potable sources. In addition, we routinely assess our water management practices, including those with respect to water supply, treatment, reuse, recycling and discharge, to identify opportunities for improvement. In 2021, 95% of water withdrawals for oil and gas operations were from brackish water, primarily produced water. Only 5% of our water withdrawals for oil and gas operations were from freshwater. In addition, our oil and gas operations recycled 66% of the total water withdrawals from all sources. In New Mexico operations, Permian Basin, where Oxy has invested in integrated water recycling facilities since 2016, we did not withdraw any freshwater in 2021. In early 2021, Oxy finished construction of a recycling facility in Midland to increase water recycling at scale in our Texas Permian operations. This new facility is a state-of-the-art, next generation, water treatment site located at the South Curtis Ranch. The facility is utilized by Oxy and other operators in the area that view the recycled produced water as the valuable resource. Having this facility, Oxy drives and helps others to minimize fresh and brackish water consumption. With the commencement of operations in early 2021, Oxy recycled 7.8 million barrels while other operators recycled 1.6 million barrels of their produced water. Of total 9.4 million barrels of recycled produced water at this facility, Oxy reused 2.9 million barrels and other operators reused 4.1 million barrels for their development, including hydraulic fracturing and other operations. This means that Oxy and other operators that utilize the South Curtis Ranch facility avoided the need to purchase 9.4 million barrels of fresh and brackish water, which in turn would have added to water disposal. Two benefits are being achieved from the single action of reusing produced water. Our approach of sharing recycled produced water with multiple operators will serve as a model for future facilities.

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## W1.4

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### (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

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### (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

Unknown

#### Rationale for this coverage

Oxy's water suppliers, water treatment contractors, engineering, procurement and construction contractors for major projects like plant construction, and drilling, completion and well servicing contractors provide water use and source information to us so we can collaborate on identifying further opportunities for recycling or reuse of produced water or process water and also understand the strategies and technologies they apply to conserve freshwater resources, reduce transportation and consumption of freshwater, reduce surplus water disposal, and increase recycling and reuse.

#### Impact of the engagement and measures of success

Oxy utilizes a variety of third-party assessment tools and sustainability "scorecards" to benchmark management practices and operating performance with suppliers. OxyChem has increased its position as an industry leader by achieving EcoVadis gold level and ranked in the top 4% of companies in our industry for sustainable supply chain performance. OxyChem was awarded the American Chemistry Council's Sustainability Leadership Award for our partnership with Water Mission, a non-profit organization that provides clean drinking water to the largest refugee camps and disaster areas in 56 countries. Our water disinfection chlorine products have enabled Water Mission to provide over 1 billion gallons of fresh drinking water for those in need. OxyChem is a five-time winner of the American Chemistry Council's top safety performance award, including "Responsible Care® Company of the Year". We are proud to be recognized as a responsible oil and gas and chemical company and as a Partner of Choice®.

#### Comment

## W1.4b

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

**Type of engagement**

Incentivizing for improved water management and stewardship

**Details of engagement**

Water management and stewardship action is integrated into your supplier evaluation  
Other, please specify (corporate responsibility reputation)

**% of suppliers by number**

1-25

**% of total procurement spend**

Unknown

**Rationale for the coverage of your engagement**

As a participant company in the American Chemistry Council's Responsible Care® initiative, OxyChem applies a management system that regularly measures and tracks performance through established metrics and extends best environmental stewardship, safety and security practices to its business partners and suppliers. OxyChem's Supply Chain Performance Management improves supply chain efficiency by continually monitoring performance. The cornerstone of OxyChem's Supply Chain Performance Management is our "Supply Chain Scorecard," a custom report on supply chain efficiency between our customers and OxyChem. Together with our customers, OxyChem Customer Relations Representatives review data and metrics to identify possible supply chain opportunities.

**Impact of the engagement and measures of success**

OxyChem integrates sustainability and water goals into the Terms and Conditions with its suppliers as well in our Supplier Code of Conduct, which references adherence to water stewardship practices. We are proud to be recognized as a responsible oil and gas and chemical company and as a Partner of Choice®. OxyChem is a five-time winner of the American Chemistry Council's top safety performance award, including "Responsible Care® Company of the Year". Oxy also utilizes a variety of third-party assessment tools and sustainability "scorecards" to benchmark management practices and operating performance with suppliers. OxyChem has increased its position as an industry leader by achieving EcoVadis Gold certification and in 2021 ranked in the top 4% of companies in our industry for sustainable supply chain performance.

**Comment**

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**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**

Unknown

**% of total procurement spend**

Unknown

**Rationale for the coverage of your engagement**

OxyChem is a founding member of the Alliance to End Plastic Waste, which plans to invest \$1.5 billion over five years to help eliminate plastic waste in the environment, especially in the oceans. The Alliance's strategy is to develop and bring to scale innovative solutions that will minimize and manage plastic waste and promote solutions for used plastics by helping to enable a circular economy. This global effort consists of nearly 70 companies in the plastics value chain, including chemical and plastic manufacturers, consumer goods companies, retailers, converters and waste management companies, and the Alliance collaborates with governments and international organizations. OxyChem's commitment to protecting the environment and our watersheds is also reflected by our participation in Operation Clean Sweep (OCS) blue. OCS blue is an industry initiative to implement best practices to prevent and report spills of PVC resin products outside of the manufacturer's fence line. In addition, OxyChem is working with its transportation partners to implement the OCS blue program during transportation of PVC resin products. In 2021, OxyChem had no reportable spills of PVC resin products across our PVC manufacturing sites.

**Impact of the engagement and measures of success**

OxyChem is collaborating with members of the Alliance to End Plastic Waste and OCS blue to promote infrastructure, education and engagement, innovation, and clean-up efforts to reduce plastic waste in the environment. These collective efforts combined with active stakeholder engagement and public awareness campaigns are designed to bring to scale solutions that minimize and manage plastic waste and promote solutions for used plastics by helping to enable a circular economy. To further its sustainability goals, OxyChem partners with Water Mission and the Global Water Center to provide clean safe drinking water to millions of people across 56 countries. OxyChem is also collaborating with several of its customers and suppliers with this initiative.

**Comment**

OCS blue is an industry initiative to implement best practices to prevent and report spills of PVC resin products outside of the manufacturer's fence line. In addition, OxyChem is working with its transportation partners to implement the OCS blue program during transportation of PVC resin products.

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**W1.4c**

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

Stakeholder engagement, including with suppliers and customers, is both a central activity at Oxy and a catalyst for continuous improvement in our environmental, social and governance (ESG) policies, practices and reporting. We are committed to building and sustaining constructive relationships with our stakeholders, including suppliers and customers, through regular and transparent communication and consistent actions. To help define the most important issues for Oxy, we engage with a range of stakeholders from both within and outside industry. Engagement with midstream service providers is also important for Oxy's and the broader industry's success. Oil and gas operators are able to provide ESG as well as technology guidance to ensure proper treatment and logistics practices are employed. Oxy's relationship is one of collaboration to ensure the highest of water stewardship standards are met while tapping into the expertise of suppliers.

We monitor external trends, industry leadership, standards bodies and capital market influences to refine our operational priorities, including water management and risks, and focus on long-term value creation.

OxyChem prioritizes engagements throughout the value chain that align with our sustainability guiding principles and goals around water conservation and stewardship. Our support of Water Mission, a non-profit organization that focuses on providing clean safe drinking water to refugee camps and disaster areas, has provided approximately one million people with clean water. OxyChem is also a founding member of the Alliance to End Plastic Waste and a participant in Operation Clean Sweep blue to develop solutions to keep plastics out of the environment.

**W2. Business impacts**

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**W2.1**

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

No

**W2.2**

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**(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**

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

**Row 1**

**Total number of fines**

3

**Total value of fines**

1880

**% of total facilities/operations associated**

0.5

**Number of fines compared to previous reporting year**

About the same

**Comment**

Oxy works constructively with regulatory agencies to obtain and maintain water-related permits. In 2021, our offshore oil and gas operations in Gulf of Mexico were assessed three water-related fines (i.e., those that primarily involve a release to water bodies) from the U.S. Coast Guard (USCG) that totaled \$1,880 regarding water handling at certain offshore facilities. We entered into agreed orders to upgrade our water handling processes and equipment at certain operations.

**W3. Procedures**

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**W-CH3.1**

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**(W-CH3.1) How does your organization identify and classify potential water pollutants associated with its activities in the chemical sector that could have a detrimental impact on water ecosystems or human health?**

Oxy is committed to high ethical standards and the protection of health, safety and the environment. Safety and product stewardship are cornerstones of our business, and Oxy's rigorous programs have for many years helped us earn a reputation as one of the safest oil and gas and chemicals producers in the industry. Oxy's Operational Management System (OMS) encompasses the company's programs, operational standards, procedures, guidelines and processes and integrated planning designed to conserve natural resources, such as improving efficient use, recycling and reuse of water and the quality of water being treated and discharged to surface water bodies. Occidental's water stewardship policies and performance are also incorporated into supplier and stakeholder engagements and through corporate reporting. Complementing the OMS, OxyChem uses its health, environment, safety and security (HES&S) systems, procedures, work practices and employee training to enhance HES&S performance, awareness and compliance related to, among other things, responsibly managing water and waste materials and controlling the release of pollutants to the environment and water ecosystems.

OxyChem complies with chemical product regulations designed to advance product safety and public health, including the U.S. Environmental Protection Agency (EPA) pesticide product registration program and the Toxic Substances Control Act, the European Union's REACH (Registration, Evaluation and Authorization and Restriction of Chemicals) and CLP (Classification, Labelling and Packaging) regulations, as well as many other chemical regulatory frameworks throughout the world. OxyChem also participates in voluntary initiatives, including the American Chemistry Council's Responsible Care® program, which requires the implementation of the Responsible Care® Product Safety Code. Integral to our product stewardship standards and risk assessment process, OxyChem has established a risk management program for products and major secondary materials manufactured by OxyChem. The risk assessment for each chemical is based on analysis of the potential hazard it poses and its likelihood of exposure. Using this strategy, products are evaluated and prioritized for potential effects, and risk-reduction practices are implemented, such as facility-based treatment and handling processes, recommending personal protective equipment and providing effective safety labeling and additional technical support to customers.

OxyChem is a founding member of the Alliance to End Plastic Waste, which seeks to invest \$1.5 billion over five years to help eliminate plastic waste in the environment, especially in the oceans. The Alliance will develop and bring to scale innovative solutions to minimize and manage plastic waste and promote solutions for used plastics by helping to enable a circular economy. To further our vision on management of plastic waste, OxyChem is a member of Operation Clean Sweep blue, a product stewardship program designed to improve management of plastic resin and keep it out of the environment, including waterways. In addition to joining OCS blue, we have committed to publicly share our best practices for vinyl resin stewardship to encourage the vinyl value chain to collaborate on preventing plastics from entering the environment.

OxyChem is also helping address the global water quality needs through our partnership with Water Mission. Approximately one million people in vulnerable communities in Uganda, Tanzania and the Bahamas have gained access to safe drinking water, made hygienic with OxyChem's ACL® product. This important partnership was honored with the prestigious Sustainability Leadership Award from the American Chemistry Council in 2020. To help raise awareness for the urgent need to expand global access to clean water, OxyChem is sponsoring the Global Water Center®. Launched in 2021, this first-of-its-kind educational center leverages multi-sensory exhibits in a highly interactive environment featuring new technology to inspire people to mobilize support for delivering safe, clean and reliable drinking water in accordance with SDG 6 (Clean Water and Sanitation).

Oxy is proud to be recognized as a leading responsible oil and gas and chemicals company and a global Partner of Choice®. OxyChem is a five-time winner of the American Chemistry Council's top safety performance award, including the "Responsible Care® Company of the Year" and its Waste Minimization, Reuse and Recycling Awards. OxyChem has also received the CSX Transportation award for Chemical Safety Excellence, and 17 OxyChem plants have achieved STAR recognition for safety under Voluntary Protection Program of the federal or state Occupational Safety and Health Administration.

**W-CH3.1a**

**(W-CH3.1a) Describe how your organization minimizes adverse impacts of potential water pollutants on water ecosystems or human health. Report up to ten potential pollutants associated with your activities in the chemical sector.**

| Potential water pollutant                                | Value chain stage    | Description of water pollutant and potential impacts   | Management procedures  | Please explain  |
|--|----------------------|--|--|---|
| TSS (total suspended solids)                             | Direct operations    | Total suspended solids (TSS) are particles that are larger than 2 microns found in the water column and made up of inorganic materials.                                  | Compliance with effluent quality standards<br>Measures to prevent spillage, leaching, and leakages | Oxy monitors and mitigates potential water pollutants based on regulatory standards, compliance with operational permits and responsible practices, and wastewater and effluent treatment technologies. |
| TDS (Total Dissolved Solids)                             | Distribution network | Total dissolved solids (TDS) are the sum of all ion particles smaller than 2 microns, as well as other compounds such as dissolved organic solutes such as hydrocarbons. | Compliance with effluent quality standards<br>Measures to prevent spillage, leaching, and leakages | Oxy monitors and mitigates potential water pollutants based on regulatory standards, compliance with operational permits and responsible practices, and wastewater and effluent treatment technologies. |
| Residual chlorine  | Direct operations    | Total residual chlorine  | Compliance with effluent quality standards<br>Measures to prevent spillage, leaching, and leakages | Oxy monitors and mitigates potential water pollutants based on regulatory standards, compliance with operational permits and responsible practices, and wastewater and effluent treatment technologies. |
| Trace inorganic acids (hydrochloric acid, sulfuric acid) | Direct operations    | Oxy monitors these acids and applies suitable treatment processes and a methodology to dilute or remove acids from wastewater streams.                                   | Compliance with effluent quality standards<br>Measures to prevent spillage, leaching, and leakages | Oxy monitors and mitigates potential water pollutants based on regulatory standards, compliance with operational permits and responsible practices, and wastewater and effluent treatment technologies. |

**(W-OG3.1) How does your organization identify and classify potential water pollutants associated with its activities in the oil & gas sector that may have a detrimental impact on water ecosystems or human health?**

Oxy works to ensure our water use does not affect the ability of communities near our operations to obtain access to freshwater resources. Oxy considers the longer-term patterns of integrated water resources management, regenerative capacity of ground water and aquifers, population growth/demand shifts and the potential for weather-related impacts in evaluating and mitigating the effects of water risks on key operations, the health, safety and well-being of employees and contractors, and host communities. The Operational Management System (OMS) encompasses programs, policies, standards, procedures, guidelines and operational strategies designed to conserve natural resources, such as improving efficient use, recycling and reuse of water and the quality of water being treated and discharged to surface water bodies. Oxy applies rigorous Health, Safety and Environmental (HSE) risk management and Asset Integrity (AI) programs to safeguard personnel, protect the environment and maintain operational reliability of equipment and systems in our plants and fields. The foundation for Oxy's innovative AI program is the classification of systems and equipment that must remain available to maintain safe and reliable operations. Our risk-based AI program includes several key elements: mechanical integrity, inspections, maintenance, corrosion management and quality assurance/quality control. To maintain a high level of equipment and systems integrity throughout our facilities, the HSE risk management and AI programs also involve operations, facilities engineering, major projects, construction, supply chain and business planning. For facilities and projects involving significant water usage or produced water generation, Oxy's Water Stewardship Community of Practice and Water Strategy and Technology Group also actively participate.

Oxy's investments in HSE risk management, maintenance and our AI program emphasize safeguarding people and the environment. We also continually invest in inspection activities, projects to upgrade or replace facilities and pipelines in environmentally sensitive areas, especially watersheds and freshwater bodies, and automated control systems to detect, report and mitigate leaks and spills to the environment.

We have addressed spill prevention in four primary ways: (1) adopting tankless designs at new facilities, and upgrades of existing facilities to ship more fluid directly by pipelines and reduce the potential for fluid releases or emissions at tanks (which has a benefit of reducing air emissions, as well as the potential for spills); (2) leveraging automation to expand the monitoring of facilities from central locations, as well as deployment over time of multi-sensory monitoring devices that can detect fluid releases to the air or the ground at remote sites; (3) re-evaluating our Spill Control and Countermeasures Plans and consolidating best practices; and (4) rapidly deploying our spill response teams of employees and contractors to contain and capture liquids and commence soil cleanup. We believe these four activities are effectively mitigating spills. These approaches and our pollution prevention programs extend to ensuring the vehicles we own or operate, including tractor-trailers, railcars and light-duty trucks, are well maintained and equipped with appropriate safety features. Transportation safety issues - including the transportation of hazardous materials - are closely managed to prevent incidents and minimize risks.

Oxy is committed to public disclosure about our hydraulic fracturing operations. Oxy was an early participant in FracFocus®, a website created by the Ground Water Protection Council and the Interstate Oil and Gas Compact Commission to provide for well-specific voluntary disclosure of hydraulic fracturing operations, including the chemical additives used in fracturing fluids. In addition to providing a national registry, the website provides accurate information about hydraulic fracturing and groundwater protection. Oxy and our contractors evaluate and apply a variety of technologies to treat produced water and flowback fluids, include physical treatments, membranes from reverse osmosis and chemical treatments, among others, to enable reuse and recycling of these fluids in our operations.

W-OG3.1a

**(W-OG3.1a) For each business division of your organization, describe how your organization minimizes the adverse impacts on water ecosystems or human health of potential water pollutants associated with your oil & gas sector activities.**

| Potential water pollutant | Business division | Description of water pollutant and potential impacts  | Management procedures   | Please explain  |
|---------------------------|-------------------|---|---|---|
| Hydrocarbons              | Upstream          | Oxy is committed to conducting hydraulic fracturing in a manner that does not pose any significant impact to the environment or the communities in which we operate. It is Oxy's practice to avoid using diesel fuel or benzene, toluene, xylene and ethylbenzene (collectively BTEX), as additives in hydraulic fracturing treatments. Oxy is a participant in FracFocus®, a website created by the Ground Water Protection Council and the Interstate Oil and Gas Compact Commission to provide for well-specific voluntary disclosure of hydraulic fracturing operations, including the additives used in fracturing fluids. FracFocus also provides accurate information about hydraulic fracturing and groundwater protection. | Compliance with effluent quality standards<br>Measures to prevent spillage, leaching and leakages<br>Community/stakeholder engagement | Oxy's OMS requires an assessment of potential environmental effects, including those related to water resources. The OMS encompasses programs, policies, standards, procedures, guidelines and operational strategies designed to conserve natural resources, such as improving efficient use, recycling and reuse of water and the quality of water being treated and discharged to surface water bodies. The vast majority of water managed by Oxy's oil and gas operations is co-produced from hydrocarbon reservoirs with oil and natural gas. Oxy strives to use non-freshwater and recycled or reused sources in place of freshwater for both oil and gas and chemical operations. Oxy also obtains water from other non-potable sources, seeking to use the lowest-quality water acceptable for operational activities, and recycles produced water and process wastewater where feasible. Discharge to surface water bodies requires a permit or authorization that sets water quality parameters consistent with the receiving water body and may specify treatment requirements. Additionally, discharges or runoff from Oxy's facilities are evaluated for water quality under other applicable regulations and company policies. In certain locations, such as in the United States, discharges of treated water from Oxy's facilities support riparian (or riverbank) ecosystems by providing a more consistent flow of freshwater than would otherwise exist. |
| Drilling fluids           | Upstream          | Produced water, along with varying volumes of drilling muds and fracturing fluids can be collected and reused   | Compliance with effluent quality standards<br>Measures to prevent spillage, leaching and leakages<br>Community/stakeholder engagement | Oxy and our service companies employ a range of mitigation techniques to manage drilling materials and flowback fluids in a responsible and environmentally sound manner. Oxy works collaboratively with our service companies to improve drilling, completion, well servicing and production techniques to enhance the efficiency of water usage and to reuse drilling and other fluids to minimize sending fluids and surplus produced water to disposal. Within our U.S. and international oil and gas operations, Oxy stores drilling muds, other residuals and flowback water in closed containment systems or tanks for on-site storage, recycling or reuse in well completions, and eventual disposal.   |

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

Yes, water-related risks are assessed

**W3.3a**

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

**Value chain stage**

Direct operations

**Coverage**

Full

**Risk assessment procedure**

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

**Frequency of assessment**

Annually

**How far into the future are risks considered?**

1 to 3 years

**Type of tools and methods used**

Tools on the market

Enterprise risk management

**Tools and methods used**

GEMI Local Water Tool

WRI Aqueduct

Other, please specify (Occidental's Operational Management System (OMS))

**Contextual issues considered**

Water availability at a basin/catchment level

Water quality at a basin/catchment level

Stakeholder conflicts concerning water resources at a basin/catchment level

Water regulatory frameworks

Status of ecosystems and habitats

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

**Stakeholders considered**

Employees

Investors

Local communities

Regulators

Suppliers

Water utilities at a local level

**Comment**

Water quality and quantity are both key components of the design, implementation and maintenance of our development projects and facilities. Local ecosystems and watersheds are factored into our Operational Management System (OMS) and water risk assessments. The OMS identifies, assesses and prioritizes significant potential water-related risks. The OMS sets consistent worldwide performance expectations and standards across each business segment's respective operations. Oxy ensures adequate water is available for drinking, cleaning and hygiene at each of our facilities and field operations. Oxy manages our water use consistent with local communities' interests near our operations and to avoid impacting the environment or affecting the access of local communities to freshwater supplies. Current regulatory frameworks and tariffs at the local and municipal level are factored into our OMS and water risk assessments. Regulators are factored into water risk assessments, since laws, regulations and permits are central to our water recycling projects and facilities, our sourcing of make-up water, and our transportation and disposal of surplus produced and process water. In addition, water/waste water utilities at a local level are always factored into water risks assessments. Oxy seeks to optimize water from non-potable sources, using the lowest-quality water acceptable for operational activities, and recycles produced water and wastewater where feasible to avoid competing for freshwater resources with municipal, agricultural or industrial users or using freshwater needed to sustain riparian habitat. Under our OMS we identify, assess and prioritize local ecosystems and watersheds. Oxy's supplemental use of tools such as the World Economic Forum Global Risks Report and WRI Aqueduct is consistent with this approach.

**Value chain stage**

Supply chain

**Coverage**

Partial

**Risk assessment procedure**

Water risks are assessed as part of other company-wide risk assessment system

**Frequency of assessment**

Annually

**How far into the future are risks considered?**

1 to 3 years

**Type of tools and methods used**

Tools on the market

Enterprise risk management

Databases

**Tools and methods used**

EcoVadis

GEMI Local Water Tool

WRI Aqueduct

Maplecroft Global Water Security Risk Index  
Other, please specify (Commercial data providers )

**Contextual issues considered**

Implications of water on your key commodities/raw materials

**Stakeholders considered**

Suppliers

**Comment**

Water is integrated into a comprehensive, company-wide risk assessment process incorporating direct operations using our OMS and associated strategic planning. Oxy directly engages certain suppliers using third-party water risk assessments and sustainability "scorecards" in applicable operating areas or uses these tools indirectly as an industry performance benchmark. Commercial suppliers do not present a consequential risk to our operations. However, Oxy's access to water resources, secured through our substantial recycling and reuse of produced water as well as local water rights or contracts, is closely managed. Oxy monitors the market conditions and vulnerability of suppliers to water risks, where applicable, and can adjust our assessment accordingly.

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**Value chain stage**

Other stages of the value chain

**Coverage**

Partial

**Risk assessment procedure**

Water risks are assessed as a standalone issue

**Frequency of assessment**

Annually

**How far into the future are risks considered?**

1 to 3 years

**Type of tools and methods used**

Enterprise risk management

**Tools and methods used**

Other, please specify (OMS)

**Contextual issues considered**

Water availability at a basin/catchment level

Water quality at a basin/catchment level

**Stakeholders considered**

Local communities

**Comment**

Oxy prioritizes the sustainability, health, safety and environment of the communities in which we operate. We follow established OMS procedures to gain an understanding of the potential effects of Oxy's presence on the local community and the surrounding ecosystem. Results from the assessment and input from the community advances our relationships and informs our work to promote mutually beneficial outcomes and to avoid competing for freshwater resources with municipal, agricultural or industrial users or using freshwater needed to sustain riparian habitat.

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**W3.3b**

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**(W3.3b) Describe your organization's process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.**

Oxy's OMS and risk management approach identifies, assesses and prioritizes significant potential water-related risks. The OMS sets consistent worldwide performance expectations and standards across each business segment's respective operations. The OMS facilitates compliance with laws and regulations and the management of ESG risks, specifically including water-related risks, to improve overall business performance. Oxy manages our water use consistent with community interests near our operations and to avoid impacting the environment, or our license to operate in these communities. Oxy also engages with local water resource consortia in multiple locations, in order to collaborate on water recycling and desalination technologies, provide constructive input in the regulatory development process and proactively engage with regulators and local community members in order to mitigate stakeholder risk and expand water recycling and reuse opportunities and additional beneficial uses for surplus produced water.

For example, the Permian Basin of West Texas and Southeast New Mexico experiences drought conditions and water stress. These prevailing drought risks are factored into Oxy's business plans and water use strategy to operationalize and mitigate risks, and also to identify and invest in opportunities that could provide cost savings or generate revenues. Our development plans for oil and gas, chemicals and low carbon ventures factor the risk associated with potential future scarcity of freshwater. Investing in solutions to treat and recycle a larger capacity of produced water in both New Mexico and Texas has delivered significant value to our operations. We have increased the reliability of our supply for Permian operations, decreased our demand for water from fresh and non-fresh water sources, and reduced truck traffic and trucking and disposal costs by centralizing our water treatment and recycling of water. We have also increased operational flexibility to treat larger volumes of water as warranted by our development plans in oil and gas and low carbon ventures. Oxy experts also actively participate in produced water consortia in New Mexico and Texas to share our experiences with academics, regulators, non-governmental organizations (NGOs) and other operators.

Oxy is proud to be recognized by a number of organizations as a responsible oil and gas and chemical company and a global Partner of Choice®. Oxy is an inaugural partner of The Pecos Watershed Initiative, a proactive approach to the Endangered Species Act, involving landscape-based management of multiple species and their habitat within the Pecos River Watershed in Texas. The Initiative is a collaborative endeavor between industry, NGOs and local, state and federal agencies to improve the watershed, its habitat and water quality and to mitigate water stress while sustaining responsible economic development.

Oxy also works with value chain constituents often through industry associations such as IPIECA, API, and the Vinyl Institute's Vinyl Business and Sustainability Council. These collaborative industry associations and working groups enable Oxy to proactively identify potential water risks and to manage water issues.

Oxy's water stewardship program is part of our demonstrated support of and alignment with the United Nations Sustainable Development Goals (SDGs), in particular SDGs 6, 8, 9, 12, 13, 14 and 15. The SDGs give Oxy a complementary framework to use to communicate and partner with host governments and communities. Oxy's partnerships with organizations, governments and other entities in the public and private sectors advance local and regional economies. As a Partner of Choice®, we pursue these collaborative efforts across our operations. By working with local partners, we seek to create shared value for the company and our key stakeholders, including host governments and local community members.

We are also aligned with IPIECA Impact Pathway 51 (Resource Management and Biodiversity, Land, and Water Stewardship) to adopt water stewardship strategies that include: collaboration around integrated water resources management; local participation in the collective management of water, particularly in areas of water scarcity; improvement of water quality; and recycling and reuse of water, where feasible, to reduce usage of freshwater.

## W4. Risks and opportunities

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### W4.1

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

Yes, only within our direct operations

### W4.1a

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

Oxy considers water-related risks, and other climate and ESG risks, in scenario planning for the pathways to achieve our net-zero and water stewardship goals, in our annual capital budgeting process. We have been able to obtain a sufficient and reliable supply and quality of water needed for our operations (whether freshwater, brackish water or recycled produced water). To date our operations have not been significantly affected by water availability. Water-related risks associated with the management of produced water, including costs and regulations associated with the generation, transportation, recycling or reuse of produced water and the disposal of surplus produced water, affect our planning and budgeting processes with respect to one or more assets in a given time period. Our Management Discussion and Analysis (MD&A) in Oxy's 2021 Form 10-K or more recent Form 10-Qs describe the regulatory structure that relates to our businesses, including regulations with respect to water and other climate and environmental matters, as well as material risk factors associated with our businesses and operations.

### W4.1b

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

|       | Total number of facilities exposed to water risk | % company-wide facilities this represents | Comment   |
|-------|--|---|---|
| Row 1 | 20   | 26-50                                     | Permian Basin (Texas, New Mexico); DJ Basin and Powder River Basin (Rockies, U.S.); U.S. Gulf Coast; Bolivia; and Gulf of Mexico; Oman (Safah and Mukhaizna). |

#### W4.1c

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

##### Country/Area & River basin

|                          |  |
|--------------------------|--|
| United States of America | Other, please specify (Houston Ship Channel-Galveston Bay) |
|--------------------------|--|

##### Number of facilities exposed to water risk

5

##### % company-wide facilities this represents

1-25

##### Production value for the metals & mining activities associated with these facilities

<Not Applicable>

##### % company's annual electricity generation that could be affected by these facilities

<Not Applicable>

##### % company's global oil & gas production volume that could be affected by these facilities

1-25

##### % company's total global revenue that could be affected

Less than 1%

##### Comment

Oxy has chemical production facilities (vinyls and basic chemicals), power generation assets and product distribution terminals along the U.S. Gulf Coast.

##### Country/Area & River basin

|                          |                                |
|--------------------------|--------------------------------|
| United States of America | Colorado River (Caribbean Sea) |
|--------------------------|--------------------------------|

##### Number of facilities exposed to water risk

15

##### % company-wide facilities this represents

1-25

##### Production value for the metals & mining activities associated with these facilities

<Not Applicable>

##### % company's annual electricity generation that could be affected by these facilities

<Not Applicable>

##### % company's global oil & gas production volume that could be affected by these facilities

26-50

##### % company's total global revenue that could be affected

21-30

##### Comment

Oxy's Permian oil and gas production comprised half of our 2021 global operated production. Even assuming a prolonged, severe drought similar to conditions in 2011, Oxy's Permian operations would not be materially interrupted. Since 2016, we have constructed and are operating major produced water recycling facilities in the Permian Basin in both New Mexico and Texas. Prices for freshwater supplies would be expected to rise, but we believe we would retain sufficient access to water.

#### W4.2

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

#### 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 | In our water-related risk assessments, we have identified marginal water-related risk in our value chain. |

#### W4.3

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(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

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

**Type of opportunity**

Products and services

**Primary water-related opportunity**

Reduced impact of product use on water resources

**Company-specific description & strategy to realize opportunity**

Oxy works collaboratively with our service companies to improve drilling, completion and production techniques to enhance the efficiency of water usage and to manage the additives required for hydraulic fracturing. For example, Oxy's reuse of drilling and completion fluids minimizes both the demand for make-up water and the volume of surplus fluids to be disposed. We drill using closed-loop systems in areas with high freshwater tables to preserve the resource. Within our U.S. drilling operations, we store drilling muds and flowback water in closed containment systems (tanks) for recycling in drilling or completions with eventual disposal of residuals. Also, Oxy's commitment to using produced water from oil and gas reservoirs and other non-freshwater sources where feasible reduces our demand for freshwater.

**Estimated timeframe for realization**

Current - up to 1 year

**Magnitude of potential financial impact**

Low-medium

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

<Not Applicable>

**Potential financial impact figure – minimum (currency)**

<Not Applicable>

**Potential financial impact figure – maximum (currency)**

<Not Applicable>

**Explanation of financial impact**

Our estimates of financial impact are proprietary and confidential business information.

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**Type of opportunity**

Products and services

**Primary water-related opportunity**

Reduced impact of product use on water resources

**Company-specific description & strategy to realize opportunity**

We are committed to increasing the amounts of recycled produced water and reducing our freshwater use. In 2016 we built a recycling facility in New Mexico; in 2020 and 2021 we built and put into operation our new facility in Midland to increase water recycling at scale in our Texas Permian operations. Our construction and operation of major water recycling facilities demonstrate how we factor water scarcity risks in the Permian directly into Oxy's business plans and water use strategy to operationalize and mitigate risks, and also to identify and invest in opportunities that provide cost savings or generate revenues. Our experience shows that investing in solutions to treat a larger capacity of produced water delivers value to our operations, the stakeholders throughout our region, and the environment.

**Estimated timeframe for realization**

Current - up to 1 year

**Magnitude of potential financial impact**

Low-medium

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

<Not Applicable>

**Potential financial impact figure – minimum (currency)**

<Not Applicable>

**Potential financial impact figure – maximum (currency)**

<Not Applicable>

**Explanation of financial impact**

Our estimates of financial impact are proprietary and confidential business information.

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**W5. Facility-level water accounting**

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**W5.1**

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

**W6. Governance**

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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 | <p>Description of business dependency on water</p> <p>Description of business impact on water</p> <p>Description of water-related performance standards for direct operations</p> <p>Description of water-related standards for procurement</p> <p>Reference to international standards and widely-recognized water initiatives</p> <p>Commitment to align with public policy initiatives, such as the SDGs</p> <p>Commitments beyond regulatory compliance</p> <p>Commitment to stakeholder awareness and education</p> <p>Commitment to water stewardship and/or collective action</p> <p>Recognition of environmental linkages, for example, due to climate change</p> | <p>Oxy's Operational Management System (OMS) encompasses our programs, policies, standards, procedures, guidelines, operational strategies and integrated strategic planning designed to conserve natural resources, such as improving efficient use, recycling and reuse of water and the quality of water being treated and discharged to surface water bodies.</p> <p>Oxy's water stewardship policies and water management performance are also publicly communicated online and through corporate reporting. Oxy's performance objectives are also in support of and aligned with the United Nations Sustainable Development Goals (SDGs), in particular SDGs 6, 8, 9, 12, 13, 14 and 15. The SDGs give Oxy a complementary framework to use to communicate and partner with host governments and communities. Oxy's partnerships with organizations, governments and other entities in the public and private sectors advance local and regional economies. As a Partner of Choice®, we pursue these collaborative efforts across our business operations. By working with local partners, we seek to create shared value for the company and our key stakeholders, including host governments and local community members. We are also aligned with IPIECA Impact Pathway 51 (Resource Management and Biodiversity, Land, and Water Stewardship) to adopt water stewardship strategies that include: collaboration around integrated water resources management; local participation in the collective management of water, particularly in areas of water scarcity; improvement of water quality; and recycling and reuse of water, where feasible, to reduce usage of freshwater.</p> |

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   |
|------------------------|--|
| Director on board      | To support the Board’s oversight of strategy and risk management, senior management regularly reports to the Board on environmental and sustainability matters, including water-related risks and opportunities. This interaction takes place during scheduled meetings and during annual strategy sessions. The Environmental, Health and Safety Committee reviews and discusses water risks and opportunities with management and oversees Oxy’s environmental, health and safety programs and performance, including compliance with applicable laws and regulations with respect to water and projects to increase recycling and reuse of produced and process water and to reduce Oxy’s freshwater use. The Board’s Sustainability and Shareholder Engagement Committee reviews and oversees Oxy’s shareholder engagement and external reporting on ESG and sustainability matters, including climate- and water-related risks and opportunities. In addition, the Audit Committee oversees Oxy’s Enterprise Risk Management (ERM) process, which involves a cross-functional team that reports to our ERM Council, a group of senior executives collectively responsible for policies and procedures involved in measuring, monitoring, managing and reporting enterprise risks, including climate- and water-related risks. |

**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<br>Overseeing acquisitions and divestiture<br>Overseeing major capital expenditures<br>Reviewing and guiding major plans of action<br>Reviewing and guiding risk management policies<br>Reviewing and guiding strategy<br>Reviewing and guiding corporate responsibility strategy<br>Setting performance objectives | Our Board of Directors considers water-related risks and opportunities in our strategic planning. The Board addresses water and associated climate risk factors and is committed to continual evaluation of the impact of these risks on our business. The Board has discussed ESG issues significant to our business at its regular meetings for decades, based on, among other things, the Board’s HSE Principles adopted in 1994. Our integration of water risk-related issues into our business strategy and environmental stewardship helps inform our active shareholder engagement. During engagements in 2021, we discussed climate and other ESG matters with a majority of the shareholders participating and we regularly engage with stakeholders on our Net-zero Strategy, sustainability practices and reporting. These conversations have led to a better understanding of shareholder and stakeholder interests and helped shape Oxy’s Net-Zero Strategy and strong ESG performance. Importantly, we believe our strategy supports the four key stakeholder groups of the Just Transition – energy workers, energy-producing communities, communities susceptible to climate impacts, and low-income consumers. Our focus on a net-zero transition provides for and assumes continued local investments in energy-producing areas that sustain community benefits such as prosperity, public health and safety and enhanced environmental quality. A successful net-zero transition must meet daily human needs, particularly those of disadvantaged communities, for reliable energy, clean water and essential products. In addition to Oxy’s energy production, OxyChem produces the basic building block chemicals that provide society with clean drinking water, and the essential feedstocks for pharmaceuticals and nearly every home-based product that consumers use every day to enjoy a better quality of life. |

**W6.2d**

**(W6.2d) Does your organization have at least one board member with competence on water-related issues?**

|       | Board member(s) have competence on water-related issues | Criteria used to assess competence of board member(s) on water-related issues  | Primary reason for no board-level competence on water-related issues | Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future |
|-------|---|--|--|---|
| Row 1 | Yes   | In their role on the Board's Environmental, Health and Safety Committee, members (1) review and discuss with management the status of HSE issues, including compliance with applicable laws and regulations; (2) review and discuss the results of internal compliance reviews and remediation projects; and (3) review and discuss with management Oxy's HSE performance and related initiatives, including water-related issues, and these specifically include regulations, compliance reviews and performance. The Chairs of the Environmental, Health and Safety Committee and the Sustainability and Shareholder Engagement Committee respectively led major refining and petrochemical and oilfield services and technology companies, and they have significant knowledge and experience regarding management of water, energy and other natural resources, pollution prevention and monitoring and control of emissions. Directors are provided with continuing education, including business-specific learning opportunities through site visits and briefing sessions led by internal experts or third parties on topics relevant to Oxy. Directors also attend additional continuing education programs through organizations such as the National Association of Corporate Directors. Board Committees and the full Board receive presentations on strategic topics including the status of our water treatment and recycling projects. The Board holds an annual strategy session with: 1) deep dives into each business segment and interdisciplinary functions (e.g., emissions control and water technologies, geoscience, reserves, and life of field planning); 2) presentations from external speakers on key sustainability topics such as the carbon removal policy and the energy transition. Led by the Governance Committee, the Board also conducts a robust annual evaluation of its performance and the performance of each of the Board's committees, including the Sustainability and Shareholder Engagement Committee and the individual directors. The Governance Committee believes that board evaluations are a critical tool in assessing the composition and effectiveness of the Board, its committees and its directors and presents an opportunity to identify areas of strength and areas capable of improvement. The annual Board evaluation includes an assessment of, among other things, whether the Board and its committees have the necessary diversity of skills, backgrounds and experiences to meet Oxy's needs. | <Not Applicable>   | <Not Applicable>  |

**W6.3**

**(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).**

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

Chief Executive Officer (CEO)

**Responsibility**

Assessing water-related risks and opportunities  
 Managing water-related risks and opportunities

**Frequency of reporting to the board on water-related issues**

As important matters arise

**Please explain**

As part of Oxy's governance and risk management processes, the CEO and senior management regularly report to the Board of Directors and Board committees on environmental and sustainability matters, including water and associated climate-related risks and opportunities. Oxy's Senior Environmental Director and Director of Water Strategy lead Oxy's Water Stewardship Community of Practice, which supports development plans for oil and gas and low carbon ventures in a collaborative manner, across different operations and geographic basins, and involves HSE and water management professionals within business units. OxyChem's Director of Environmental Affairs leads OxyChem's water management. The goal is to grow the businesses through the application of a full-cycle, cost-efficient water management program focused on smart sourcing of water, recycling and reuse of produced and process water and environmentally sound treatment and disposal.

**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   | Oxy provides employees at all levels recognition awards, spot bonuses, and other incentives based on project-specific achievements and accomplishments to advance application of innovative technologies and process improvements for conservation of water, energy and other natural resources. |

**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     | Corporate executive team<br>Chief Executive Officer (CEO) | Please select  | Oxy provides employees at all levels recognition awards, spot bonuses, and other incentives based on project-specific achievements and accomplishments to advance application of innovative technologies and process improvements for conservation of water, energy and other natural resources. Oxy's executive compensation program directly ties compensation to sustainability performance. The CEO is subject to the same sustainability metrics as the executive team. |
| Non-monetary reward | Other, please specify (All employees)                     | Reduction of water withdrawals<br>Reduction in consumption volumes<br>Improvements in efficiency - direct operations<br>Improvements in efficiency - supply chain<br>Improvements in efficiency - product-use<br>Improvements in waste water quality - direct operations<br>Improvements in waste water quality - supply chain<br>Improvements in waste water quality - product-use<br>Implementation of employee awareness campaign or training program<br>Supply chain engagement<br>Implementation of water-related community project | Oxy's "On-the-Spot" recognition program rewards all employees who demonstrate core values, promote a positive team environment and contribute to Oxy's success, including employees who propose water efficiency and management improvements.  |

**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

**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?**

Oxy's Code of Business Conduct, Governance, and HSE and Sustainability policies and robust OMS foster and reinforce ethical business practices that are consistently sound, highly principled and transparent. Outcomes of the processes to integrate water-related considerations into our business strategy help inform our active engagement with shareholders, regulators, industry associations, research and technology collaborations and environmental groups.

Oxy has been on the forefront of a growing consensus among government, businesses and NGOs to utilize produced water as a supplemental resource to alleviate societal demand for freshwater, both within oil and gas operations and in other beneficial uses, and to reduce the need for surplus water disposal. Examples include the New Mexico Produced Water Research Consortium and Texas Produced Water Consortium which were created with a mission to advance scientific research and technology development required to guide the development of science-based state and national policies and regulations for the treatment and fit-for-purpose reuse of oil and gas produced water. Oxy experts actively participate in these consortia and share our experiences with the stakeholders, including academics, regulators, NGOs and other operators related to treatment, reuse and recycling of produced water. Oxy's Water Strategy and Technology Group has its own research efforts to maximize effective use of produced water and reduce produced water disposal.

**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)
- 2021-oxy-annual-report.pdf

**W7. Business strategy**

## W7.1

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

|   | Are water-related issues integrated?     | Long-term time horizon (years) | Please explain  |
|---|--|--------------------------------|---|
| Long-term business objectives               | Yes, water-related issues are integrated | 5-10                           | As part of our investment decision process, we evaluate a wide range of opportunities and consider the associated risks, such as technical subsurface challenges and technical progress, regulatory and environmental developments, geopolitics, macro commodity-price outlooks and localized climate adaptation and mitigation. We focus our strategic planning for water a 5-10-year period to tie directly to our oil and gas development plans through 2030. This time horizon is medium-term with respect to our overall climate strategic planning. We also evaluate longer-term water risks and opportunities, including physical and social impacts relating to severe weather events and disruption due to proximity to flood-prone and water-stressed areas, as well as policy, regulatory and economic risks and opportunities, as part of our climate scenario planning. Oxy's chemical business segment, OxyChem, is a leading manufacturer of products including chlorine and disinfection products that are essential to increasing the availability and reliability of clean drinking water supplies. OxyChem was awarded the American Chemistry Council's Sustainability Leadership Award for our partnership with Water Mission, a non-profit organization that provides clean drinking water to the largest refugee camps and disaster areas in 56 countries. Our water disinfection chlorine products have enabled Water Mission to provide over 1 billion gallons of fresh drinking water for those in need. |
| Strategy for achieving long-term objectives | Yes, water-related issues are integrated | 5-10                           | Each year, as part of Oxy's strategic planning and capital allocation processes, water-related issues are integrated. Major water treatment and recycling projects as well as OxyChem's development of water disinfection products often involve multi-year permitting processes and investments, so we factor in longer-term water sustainability goals, risks and projects into our annual strategic planning process. Water quality and cleanliness are core to OxyChem's business and have been reflected in our 2025 sustainability goals including reducing our overall consumption of water through conservation, recycling and reuse and extending the positive social impacts of our products we manufacture to further enhance the lives of people globally.  |
| Financial planning                          | Yes, water-related issues are integrated | 5-10                           | As part of Oxy's strategic planning and multi-year budgeting process, water-related issues are integrated and accounted. Water quality and cleanliness are core to OxyChem's business and have been reflected in our 2025 sustainability goals including reducing our overall consumption of water through conservation, recycling and reuse and extending the positive social impacts of our products we manufacture to further enhance the lives of people globally.  |

## 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)

-7

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

10

#### Water-related OPEX (+/- % change)

82

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

9

#### Please explain

Oxy had approximately 7% lower overall water-related capex in 2021 due to lower oil and gas production volumes. However, in several business units, water-related capex increased as various water management projects were implemented throughout the year. OxyChem increased capex for an effluent line repair and upgrade at the Geismar Plant in Louisiana. OxyChem's water-related opex increased as well to implement several water stewardship projects such as the steam condensate capture and reuse at Wichita, Kansas and cooling tower cascade improvements at Ingleside, Texas. Oman increased its water-related capex in 2021 for an expansion and upgrade of its produced water system and our Permian EOR operations increased capex for implementation of surplus water disposal projects. In 2022, capex for specific water recycling projects is projected to be 10% higher as global economic recovery leads to stronger demand for Oxy's products.

## W7.3

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

|       | Use of scenario analysis | Comment  |
|-------|--------------------------|--|
| Row 1 | Yes                      | Oxy was the first major U.S. oil and gas company to establish net-zero GHG emission goals for Scopes 1, 2 and 3, and climate scenario planning is essential to implement these goals and gauge or progress. Climate-related risks are integrated into the OMS and strategic planning process to support readiness for emerging challenges and opportunities. Oxy considers water management investments and costs along with carbon pricing and energy intensity assumptions, in the design and review of proposed projects to support evaluation of risks and opportunities and inform capital allocation. The scope includes consideration of international accords, legislation, regulation and fiscal policy initiatives that may affect the materials, inputs and costs to produce our products, including with respect to water, and the demand for and restrictions on the use of products. The process of risk evaluation also includes potential physical and social impacts relating to severe weather events and disruptions. |

## W7.3a



**(W7.3a) Provide details of the scenario analysis, what water-related outcomes were identified, and how they have influenced your organization's business strategy.**

|       | Type of scenario analysis used                | Parameters, assumptions, analytical choices  | Description of possible water-related outcomes  | Influence on business strategy   |
|-------|---|--|---|--|
| Row 1 | Water-related Climate-related Land-use change | OxyChem applied WRI Aqueduct tool to conduct scenario planning for all our sites for current, 2030 and 2040 future conditions. | The scope of our scenario analysis and risk assessment includes the consideration of international accords, treaties, legislation, regulation and fiscal policy initiatives that may affect the raw materials (including water), other inputs and costs to produce our products, and the demand for and the restrictions on the use of our products. The process of risk evaluation also includes potential physical and social impacts relating to severe weather events and disruption due to proximity to flood-prone and water-stressed areas. As a result of our scenario planning, most of the OxyChem sites showed a low risk in water quantity, quality, and scarcity. Compared to other facilities, Ingleside, TX has a risk of water scarcity, and our Louisiana plants have a higher risk of flooding. | We are continuously looking for water stewardship opportunities to reduce freshwater intake, reuse process water, recover wastewater and minimize wastewater discharge. In 2021, OxyChem implemented a steam condensate capture and reuse project at its Wichita, Kansas plant. This project re-directed steam condensate that was previously disposed back to the boilers for use as a clean feedstock for new steam production. The reuse of steam condensate allowed us to save 1.5 million gallons of fresh water in 2021. In October 2021, OxyChem initiated a project to enhance the cooling tower cascade at its Ingleside, Texas plant. This project was targeted to minimize overall blowdown water rates and make-up water demand. This was achieved by redirecting caustic cooling tower blowdown to the chlorine cooling tower. As a result, we were able to reduce surplus water discharge and minimize make-up water requirements between the two cooling towers in the amount of 28 million gallons per year. OxyChem employees are incentivized to generate ideas and find solutions via internal and external recognition programs. OxyChem holds an annual Sustainability Challenge incentive program open to all employees. Externally, the American Chemistry Council's Award Program recognizes OxyChem's successful sustainability projects. These programs motivate our employees to identify opportunities with sustainability potential and to develop their ideas into water stewardship projects. |

**W7.4**

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

Row 1

**Does your company use an internal price on water?**

Yes

**Please explain**

We apply a range of internal prices on freshwater and on surplus produced water or process water disposal in our scenario planning, which enables us to evaluate water recycling, reuse and treatment options and water-related capital projects.

**W7.5**

**(W7.5) Do you classify any of your current products and/or services as low water impact?**

|       | Products and/or services classified as low water impact          | Definition used to classify low water impact | Primary reason for not classifying any of your current products and/or services as low water impact | Please explain |
|-------|--|--|---|----------------|
| Row 1 | No, and we do not plan to address this within the next two years | <Not Applicable>                             | Please select   |                |

**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<br>Business level<br>specific targets and/or goals | Targets are monitored at the corporate level<br>Goals are monitored at the corporate level | Oxy's success is built on technical expertise, business acumen, strong partnerships and our proven ability to deliver lasting results. Oxy uses a range of resource efficiency targets to drive continual improvements that help us manage our energy and water consumption and to maximize shareholder value and remain a Partner of Choice® for our host governments and other stakeholders. Oxy's sustainability reporting and strategy align with the World Economic Forum's four pillars of Stakeholder Capitalism: (i) Principles of Governance; (ii) Planet; (iii) People; and (iv) Prosperity. OxyChem has longstanding 2025 sustainability goals which include a goal on reduction of water consumption. To achieve this goal, a water consumption target was determined from a 6-year historic baseline average. The baseline was calculated as both an absolute water usage and water intensity metric (usage/ton produced). The OxyChem sustainability goals are listed on the <a href="https://www.oxy.com/operations/essential-chemistry/sustainability/">https://www.oxy.com/operations/essential-chemistry/sustainability/</a> |

**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**

Other, please specify (Water risk management)

**Level**

Business activity

**Primary motivation**

Other, please specify (Risk management)

**Description of target**

Oxy's water stewardship programs include regular risk assessments using multiple water risk tools.

**Quantitative metric**

Other, please specify (Conduct updated water risk assessments for all operating areas by 2023)

**Baseline year**

2012

**Start year**

2021

**Target year**

2023

**% of target achieved**

25

**Please explain**

In operating areas that may face water related stress, we apply our OMS and the use of other industry risk tools to help validate the efficacy of existing water-related safeguards and identify new opportunities to ensure the protection of water sources and receiving water bodies. Oxy considers the longer-term patterns of integrated water resources management, regenerative capacity of ground water and aquifers, population growth/demand shifts and the potential for weather related impacts in evaluating and mitigating the effects of water risks on key operations and the safety and well-being of employees and contractors. Our analysis of water-related risks includes an information-gathering process, environmental due diligence, participation in academic consortia and industry association work groups and external stakeholder engagement to inform and refine our water risk management and strategic planning processes.

**Target reference number**

Target 2

**Category of target**

Water withdrawals

**Level**

Business activity

**Primary motivation**

Cost savings

**Description of target**

Throughout our operations, Oxy focuses on recycling and reusing produced and process water, where feasible, and strives to use those and other non-freshwater sources in place of freshwater. When freshwater is required, such as for plant operations and cogeneration process and cooling water, Oxy seeks to obtain water from non-potable sources, in order to use the lowest-quality water acceptable for operational activities. Oxy's oil and gas operations withdrew about the same amount of combined fresh and non-fresh water (including produced water) in 2021 compared to 2020 even with increased activity related to growing oil and gas demand in the second half of the year, while the global economy began improving with the subsiding coronavirus pandemic. In 2021, 94% of withdrawn water by our US oil and gas operations was from non-fresh water, while the percentage of water recycled amounted to 61%.

**Quantitative metric**

% reduction of water withdrawals from surface water

**Baseline year**

2012

**Start year**

2020

**Target year**

2025

**% of target achieved**

80

**Please explain**

Throughout our operations, Oxy focuses on recycling and reusing produced and process water, where feasible, and strives to use non-freshwater sources in place of freshwater. When freshwater is required, such as for plant operations and cogeneration process and cooling water, Oxy seeks to obtain water from non-potable sources, in order to use the lowest-quality water acceptable for operational activities. Oxy's oil and gas operations withdrew about the same amount of combined fresh and non-fresh water (including produced water) in 2021 compared to 2020 even with increased activity related to growing oil and gas demand in the second half of the year, while the global economy began improving with the subsiding coronavirus pandemic. 94% of withdrawn water by our U.S. oil and gas operations was non-fresh water sources. 61% of all withdrawn water was recycled in our domestic oil and gas operations.

**Target reference number**

Target 3

**Category of target**

Water consumption

**Level**

Business activity

**Primary motivation**

Cost savings

**Description of target**

OxyChem included water in the organization's 2025 sustainability goals to reduce 2,646 megaliters of water by 2025 from a baseline of 60,757 megaliters to 58,111 megaliters. Water is a key component of our chemical manufacturing as it is used to produce energy, heating and cooling for plant processes. OxyChem developed its baseline using a 6-year average and target was established using the 2020 water reduction plan extrapolating those values out to 2025. OxyChem excludes from this metric water withdrawn for once through cooling as it is returned to the watershed and not consumed in the process.

**Quantitative metric****Baseline year**

2019

**Start year**

2020

**Target year**

2025

**% of target achieved**

84

**Please explain**

OxyChem focuses on reusing process water, where feasible, and strives to return water withdrawn back to the watersheds at a better quality than when withdrawn. When freshwater is required, such as for plant operations and cogeneration process and cooling water, Oxy seeks to obtain water from non-potable sources, in order to use the lowest-quality water acceptable for operational activities. OxyChem's absolute water consumption in 2021 was 48,924 megaliters, reflecting a reduction of baseline 11,833 megaliters from OxyChem's baseline.

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

Providing access to safely managed Water, Sanitation and Hygiene (WASH) in workplace

**Level**

Company-wide

**Motivation**

Corporate social responsibility

**Description of goal**

All Oxy facilities and operations are required to provide workplace WASH access.

**Baseline year**

2012

**Start year**

2016

**End year**

2020

**Progress**

Fully implemented and sustaining.

**Goal**

Engaging with customers to help them minimize product impacts

**Level**

Business

**Motivation**

Brand value protection

**Description of goal**

Improve coordination of and gain efficiency from Oxy's Integrated Planning and Procurement - for both oil and gas and chemicals business segments.

**Baseline year**

2012

**Start year**

2016

**End year**

2020

**Progress**

Implemented and sustaining: Oxy works with its service contractors to improve water efficiency. Efficiency programs that save water also save energy (and typically vice versa). Energy and water efficiency can help achieve other objectives, such as emission reductions and resource conservation, and enhance our social license to operate with stakeholders. Through direct engagements with our business partners, suppliers and customers and by engaging through industry associations, Oxy evaluates and reports on environmental performance, water stewardship and best management practices with customers, suppliers and other value chain participants. Specifically, OxyChem's Supply Chain Performance Management improves supply chain efficiency by continually monitoring performance. The cornerstone of OxyChem's Supply Chain Performance Management is its "Supply Chain Scorecard," a custom report on supply chain efficiency between OxyChem and its customer. Together with their customers, OxyChem Customer Relations Representatives review data and metrics to identify possible supply chain opportunities, including for efficient water treatment and water conservation.

**Goal**

Other, please specify (Alignment of water stewardship approach)

**Level**

Business

**Motivation**

Water stewardship

**Description of goal**

Perform a comprehensive water management assessment at each major oil and gas and chemicals facility. The assessment includes the use of Oxy's OMS and other water management tools and facilitates consistent tracking and management of our water use, discharge, and consumption to confirm that these are consistent with community interests near our operations and do not impact sensitive ecosystems.

**Baseline year**

2012

**Start year**

2016

**End year**

2020

**Progress**

Implemented and sustaining: Oxy is incorporating the United Nations Sustainable Development Goals (e.g., Clean Water and Sanitation, and Ensure Sustainable Responsible Consumption and Production Patterns) into our risk assessments and ESG programs to identify additional opportunities to help our operations and our public and private partners make progress towards achieving the Goals. We are also aligned with IPIECA Impact Pathway 51 (Resource Management and Biodiversity, Land, and Water Stewardship) to adopt water stewardship strategies that include: collaboration around integrated water resources management; local participation in the collective management of water, particularly in areas of water scarcity; and improvement of water quality and recycling and reuse of water, where feasible, to reduce usage of fresh water. OxyChem has performed water risk assessments for all manufacturing sites using the WRI Aqueduct tool. OxyChem has also linked the analysis to local watershed quality as well. OxyChem ran scenario risk planning for 2030 and 2040 to incorporate this information in our plant level communications.

**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 | SVP Environment & Sustainability | Environment/Sustainability manager |

**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)].**

Yes

**SW. Supply chain module**

**SW0.1**

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

|       | Annual revenue |
|-------|----------------|
| Row 1 | 25956000000    |

SW1.1

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

SW1.2

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

|       | Are you able to provide geolocation data for your facilities? | Comment |
|-------|---|---------|
| Row 1 | No, this is confidential data                                 |         |

SW2.1

(SW2.1) Please propose any mutually beneficial water-related projects you could collaborate on with specific CDP supply chain members.

SW2.2

(SW2.2) Have any water projects been implemented due to CDP supply chain member engagement?

No

SW3.1

(SW3.1) Provide any available water intensity values for your organization's products or services.

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

|                                       | I understand that my response will be shared with all requesting stakeholders | Response permission |
|---------------------------------------|---|---------------------|
| Please select your submission options | Yes   | Public              |

Please confirm below

I have read and accept the applicable Terms