



METHANE
GUIDING
PRINCIPLES

Methane Guiding Principles Signatory Reporting

Occidental

April 2023





COMPANY: **Occidental**

YEAR OF JOINING METHANE GUIDING PRINCIPLES: **December 2017**

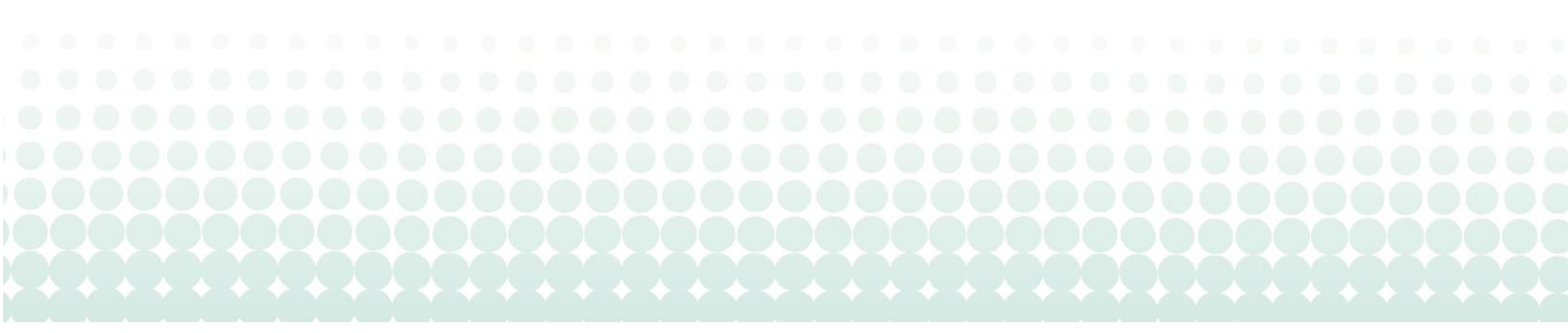
SENIOR REPRESENTATIVE: **Karen Sinard, Vice-President, Environmental and Sustainability**



Principle One: Continually reduce methane emissions

- Please state what specific activities or projects your company has undertaken to reduce methane emissions. Please refer to the previous year’s annual MGP reporting where applicable to refer to intended activity. Link to sustainability report where relevant to provide further detail.
- Describe how the reduction was achieved including description of the asset type, technology type, timeframe. What was the end result?
- Provide data to support your description e.g. the actual amount of emissions reduction achieved, or the reduction in methane intensity.

2022 completed activity	2023 intended activity
<p>Oxy has implemented the following measures in 2022 to reduce methane emissions in our operated assets in the U.S. and/or internationally: retrofitting gas-powered pneumatic controllers; capturing vented gas for sale or use in process equipment, such as with casing vapor recovery; additional emission controls such as converting flares to vapor recovery or combustion units; additional compression to move gas from satellites to central processing; tankless designs for new and upgraded facilities; expanding use of solar-powered equipment and connections to the electricity grid; implementing alternatives to flaring of gas during power outages or maintenance at Oxy or third-party processing plants and pipelines, such as injecting gas for temporary storage or pressure maintenance; and deploying enhanced monitoring, automation and surveillance to expedite detection and repair of methane leaks as described further below regarding MGP Principle 3.</p> <p>Oxy is also on-track to end routine flaring in our Permian Basin operations in the fourth quarter of 2022, having already achieved this milestone in our other U.S. operations.</p>	<p>Oxy has committed to eliminating or retrofitting all high-bleed pneumatics in 2023.</p> <p>Continued progress on our ZRF goal for international operations.</p>



Principle Two:

Advance strong performance across the gas supply chain

Please include answers to the following questions:

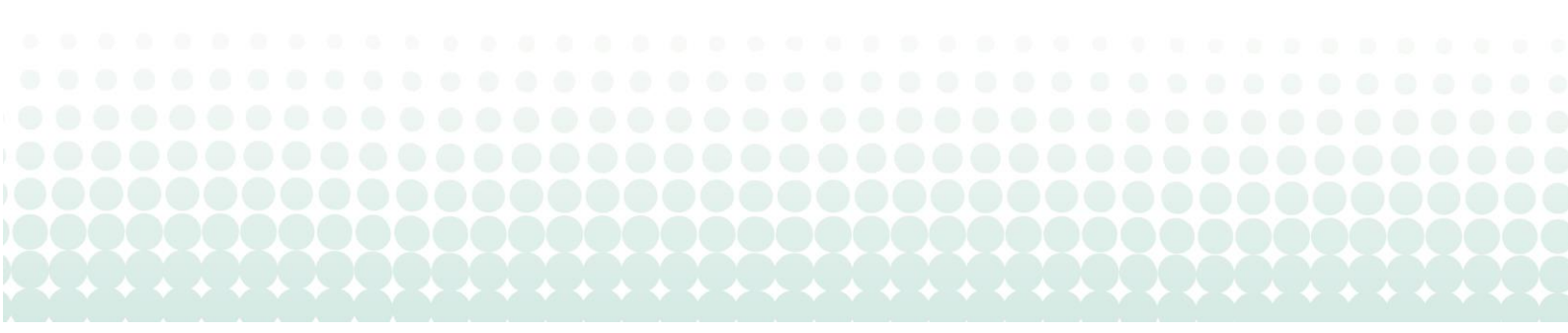
1. Did you participate in any methane research or plan to do so?
 2. Did you conduct any outreach on methane management?
- Describe what action you have taken to engage industry players across the value chain to better understand how to achieve robust methane emissions management. Outreach activity could include training sessions, participation in webinars, influencing of NOJV partners, or publication of guidance. Activity could also include commercial incentives or engagement with investors to drive better performance by others.
 - Provide details of any outcomes that resulted from your action.

2022 completed activity	2023 intended activity
<p>In 2022, Oxy has advanced methane emissions reduction across our value chain through the following actions, among others:</p> <ul style="list-style-type: none"> • expanded our active collaboration on emissions reduction with national oil companies in our international non-operated joint ventures, including Al Hosn Gas in the UAE, the Dolphin project in Qatar, and Groupement Berkine in Algeria; • encouraged other operators and service companies to join international organizations and commitments, including the MGP, OGMP 2.0 and the OGCI Aiming for Zero Methane Emissions pledge, in multiple forums such as the World Economic Forum, Ipieca, CERA Week, and direct engagement; • engaged with our key U.S. gas processors on opportunities to streamline equipment and operations to eliminate or mitigate emissions sources; • collaborated with key vendors who supply, for example, compressors, emissions control devices, other equipment and drilling and completion services, on emissions reduction projects; 	<p>Continued active participation and collaboration in MGP, OGMP 2.0, OGCI, and Veritas.</p>





- sponsored and actively participate in GTI Veritas methane emissions measurement protocol development; and
- continued to progress development of innovative zero-emission power from natural gas through our investment in NET Power LLC.



Principle Three: Improve accuracy of methane emissions data

- Describe action taken to improve methane emissions data collection methodologies. This could be application of new technology at an operated site(s), investment and participation in R&D initiatives, development of monitoring/modelling software, or support to research that improves the accuracy of the quantification of methane emissions.
- Where new technology /software has been piloted or adopted, it is helpful to describe how it works, the reasons it was selected, and how it was deployed. Any data that can be shared to demonstrate improvements is useful.
- How these new methods/technologies has been adopted into your accounting process if at all.

2022 completed activity	2023 intended activity
<p>In 2022, Oxy has taken the following actions, among others, to improve the accuracy of our methane emissions data:</p> <p>After evaluating and piloting multiple technologies in 2021, Oxy’s Emissions Technology Team (ETT) has implemented remote sensing to detect potential methane leaks and other emission sources, including: periodic aerial flyovers of all our U.S. onshore operations; periodic satellite surveillance of all our operated assets in Oman; and installation of fixed monitors from multiple vendors at operating sites, including a multi-sensory device invented by an Oxy automation engineer.</p> <p>Both the overflights and the fixed monitors supplement our Leak Detection and Repair Program and direct our Find It/Fix It crews to areas with potential methane emissions.</p> <p>Oxy is an investor in OGCI Climate Investments, a \$1 billion fund that provides funding for early-stage technologies to detect and mitigate emissions, and our ETT is working with several of the Climate Investment Fund’s investees that are focused on methane detection and emissions reduction to pilot or deploy their technologies in our operations.</p> <p>Through review of data from GHGSat via the Role of Gas Workstream, Oxy actively participates in and supports the first phase of OGCI’s Methane Emissions Monitoring Program launched in 2021 to deploy satellite monitoring of methane emissions</p>	<p>Oxy’s Emissions Technology Team is working with technology providers and data scientists to evaluate improvements to techniques that estimate and measure methane emissions, which is a core component of Oxy’s carbon management program.</p>





from oil and gas operations in Iraq and Kazakhstan with the objective of engagement with respective governments for capacity building and exploring opportunities to support methane emission reduction.

Oxy has implemented a flaring and venting application for Operations to record emissions events, including several monitoring programs to assess methane emissions from wells and facilities. Our Air Quality Team reviews the output of these applications and monitoring programs for reporting and inclusion in our emissions inventory.

Oxy continues to compile an asset registry of emissions-generating equipment, increase the frequency of site-specific gas composition and fuel use measurements across our operations and install automation to enhance our methane emissions data and help our operations to validate and sustain emissions reductions.

As a member of OGMP 2.0 and OGCI's Aiming for Zero Methane Emissions pledge, Oxy is developing an inventory plan to enhance methane emissions estimates and measurements across our operated assets and in support of operators of assets in which we have a non-operating equity interest.



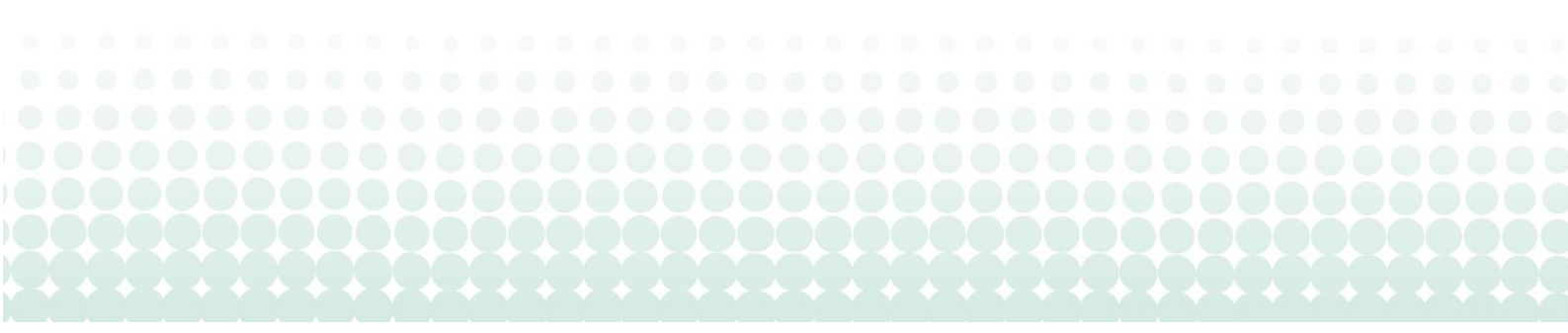
Principle Four:

Advocate sound policy and regulations on methane emissions

Advocacy consists of active participation in legal consultation processes, external policy statements, and direct engagement with government

- Consider providing details on the region or regulation involved, how you undertook your advocacy, others involved, and the outcome.

2022 completed activity	2023 intended activity
<p>In 2022, Oxy has continued our support for responsible national and state regulations to further reduce methane and other air emissions. Following on the testimony of our President and CEO in 2021 before the Senate Energy and Natural Resources Committee in support of federal methane regulation, Oxy submitted a comment letter this year expressing our support for the U.S. EPA’s proposed framework for regulating methane and VOC emissions from a broader set of new upstream and midstream operations, as well as various existing operations, and offering suggestions for enhancing the efficiency and cost effectiveness of additional regulations. As we did in commenting on state regulations in Colorado and New Mexico in 2021, Oxy is engaging with NGOs so we can comment constructively on the EPA’s specific proposed rules. In addition, Oxy engaged with investor groups including Climate Action 100+ regarding the U.S. Securities and Exchange Commission’s proposed climate disclosure rulemaking, and submitted a comment letter offering suggestions to make those proposed rules cost-effective and efficient to implement.</p>	<p>Oxy will continue to support responsible national and state regulations to further reduce methane and other air emissions. Oxy will continue to engage, as warranted, with environmental, business and labor groups, non-governmental organizations (NGOs) and other companies to advocate for climate policies aimed at achieving the goals of the Paris Agreement. Our national efforts including the U.S.-UAE Partnership to Accelerate Transition to Clean Energy (PACE) are also important opportunities to implement policies that enable net zero.</p>

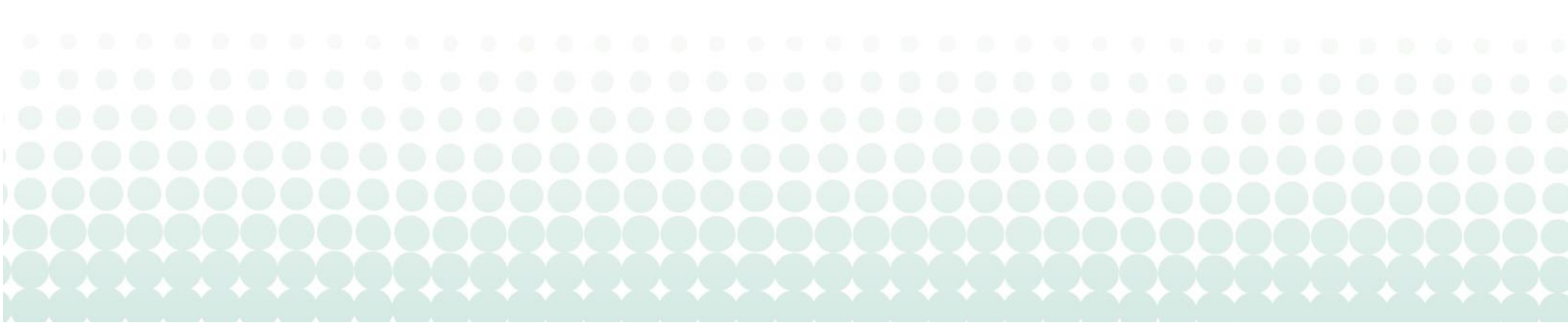


Principle Five: Increase transparency

Please include answers to the following question:

1. Are you participating in OGMP 2.0 or do you intend to do so? If you are participating in OGMP 2.0 you may provide a link to the website.
- Describe what activity you have carried out e.g. providing information in relevant external reports on methane emissions data, methodologies, and progress and challenges in methane emissions management.
 - If you have contributed towards the standardisation of comparable external methane reporting describe the activity you have taken.

2022 completed activity	2023 intended activity
<p>Oxy has reported our estimated GHG emissions to the CDP since its inception, and has issued an annual Climate Report for several years that includes our methane emissions and intensity estimates for our operated assets in our oil and gas and chemical sectors. We are also evaluating how best to estimate methane emissions with respect to our equity interests in assets operated by others. Finally, we have set 14 GHG targets, two of which specifically address methane intensity in our oil and gas and chemical operations.</p> <p>In addition, Oxy is participating with the following organizations, among others, to increase transparency with respect to methane emissions from our company and across industry:</p> <ul style="list-style-type: none"> • OGMP 2.0 • World Bank Zero Routine Flaring Initiative • OGCI (and its Aiming for Zero Methane Emissions Pledge) • OGCI Climate Investments Fund • Ipieca • The Environmental Partnership • World Economic Forum. 	<p>Oxy will continue participation with the following organizations, among others, to increase transparency with respect to methane emissions from our company and across industry:</p> <ul style="list-style-type: none"> • OGMP 2.0 • World Bank Zero Routine Flaring Initiative • OGCI (and its Aiming for Zero Methane Emissions Pledge) • OGCI Climate Investments Fund • Ipieca • The Environmental Partnership • World Economic Forum.



Methane Emissions

<p>Do you report absolute methane emissions within your sustainability report?</p> <p><i>If so provide link.</i></p>	<p>Yes</p> <p>https://www.oxy.com/globalassets/documents/publications/oxy-climate-report-2022.pdf</p>
<p>Do you report a methane intensity within your sustainability report?</p> <p><i>If so provide link.</i></p>	<p>Yes</p>
<p>What are your organisation's total absolute methane emissions?</p> <p>Provide a figure in tonnes.</p> <p>Provide latest data publicly available.</p>	<p>1.915 MT CH₄</p>
<p>State your methodology.</p>	<p>The estimated Oxy GHG emissions described in this report are derived from a combination of measured and estimated data using reasonably available information as of December 31, 2021</p>
<p>State your reporting boundary.</p>	<p>Total Oxy O&G</p>
<p>What are your organisation's methane intensity?</p> <p>Provide latest data publicly available.</p>	<p>0.26%</p>
<p>State your methodology.</p>	<p>Methane emissions intensity refers to the amount of methane emissions from Oxy's operated oil and gas assets as a percentage of the total gas produced and marketed</p>
<p>State your reporting boundary.</p>	<p>Total Oxy O&G</p>
<p>Do you have a methane emission target?</p> <p>If yes, please state what it is, including the boundaries and methodology.</p> <p>If no, are you developing such a target? Please state your intended timeline.</p>	<p>Oxy O&G - Methane Emissions Intensity <0.25% of produced & marketed gas by 2025</p>