



METHANE
GUIDING
PRINCIPLES

Methane Guiding Principles Signatory Reporting

Chevron

April 2023





COMPANY: **Chevron**

YEAR OF JOINING METHANE GUIDING PRINCIPLES: **May 2018**

SENIOR REPRESENTATIVE: **Balaji Krishnamurthy, Vice President, Chevron Strategy & Sustainability**



Principle One:
Continually reduce methane emissions

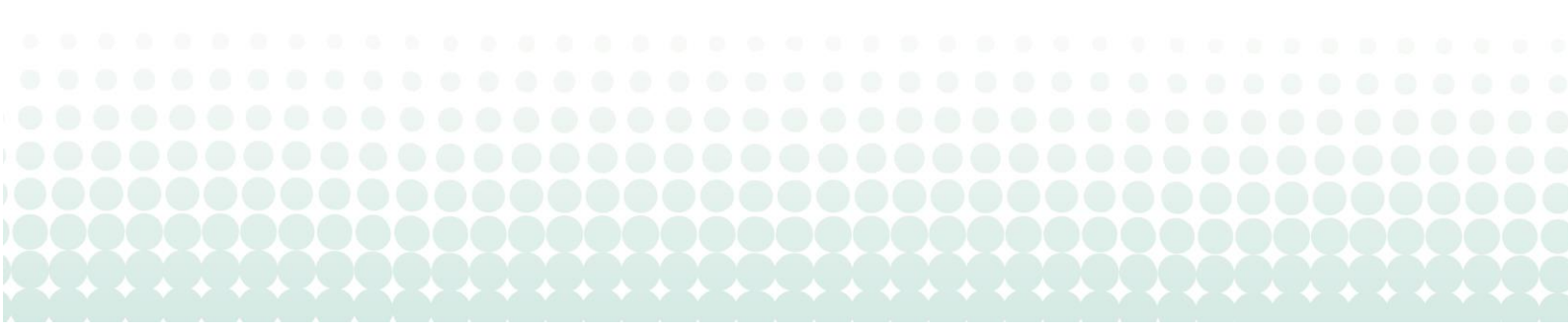
| 2022 completed activity | 2023 intended activity |
|---|---|
| <p><i>Please see detailed information here: Chevron’s 2022 Methane Report, 2021 Climate Resilience Report, 2022 Corporate Sustainability Report</i></p> <ul style="list-style-type: none"> • Chevron Participated in the MGP NOJV Workstream to expand the partner collaboration campaign. • Chevron participated in The Environmental Partnership, including implementation of the performance programs. See: The Environmental Partnership. • Chevron developed and deployed facility design principles, operating practices, and advanced detection technology priorities across the organization. For additional detail, see Chevron’s Methane Report. • Chevron continued to partner with CalBio and Brightmark to produce and market renewable natural gas, helping reduce methane emissions while providing lower-carbon fuels to our customers. • Chevron completed the acquisition of Renewable Energy Group, combining capabilities to offer our customers an expanded suite of cost-effective, lower carbon solutions that utilize today’s fleets and infrastructure. • Chevron is a member of the Oil and Gas Climate Initiative, which is committed to industry leading methane performance with a collective upstream methane intensity target below 0.2%. • Deployed pneumatic controller replacement initiative in Chevron’s Rockies Business Unit, targeting a 75% reduction in that business unit’s methane emissions from 2021 levels. | <p><i>Please see detailed information here: Chevron’s 2022 Methane Report, 2021 Climate Resilience Report, 2022 Corporate Sustainability Report</i></p> <ul style="list-style-type: none"> • Chevron plans to continue to participate in the MGP NOJV workstream, including co-chairing and sharing Chevron’s expert team approach. • Chevron plans to continue to participate in the Environmental Partnership and the Oil and Gas Climate Initiative. • We seek to optimize carbon intensity reduction opportunities for our assets and operations by leveraging our cross-functional capabilities and using the MACC process. This approach provides Chevron with a methodology to identify and prioritize a portfolio of GHG abatement opportunities across operations. Utilizing this process, we identified over 120 reduction projects for development and plan to spend more than \$350 million on these projects in 2023. For more information, see Chevron’s 2022 Corporate Sustainability Report. • Chevron’s ambition is to be a global leader in methane emissions performance. Our goal is simple – keep methane in the pipe. We believe addressing methane emissions is a key part of being a responsible producer of oil, products and natural gas. |



Principle Two:

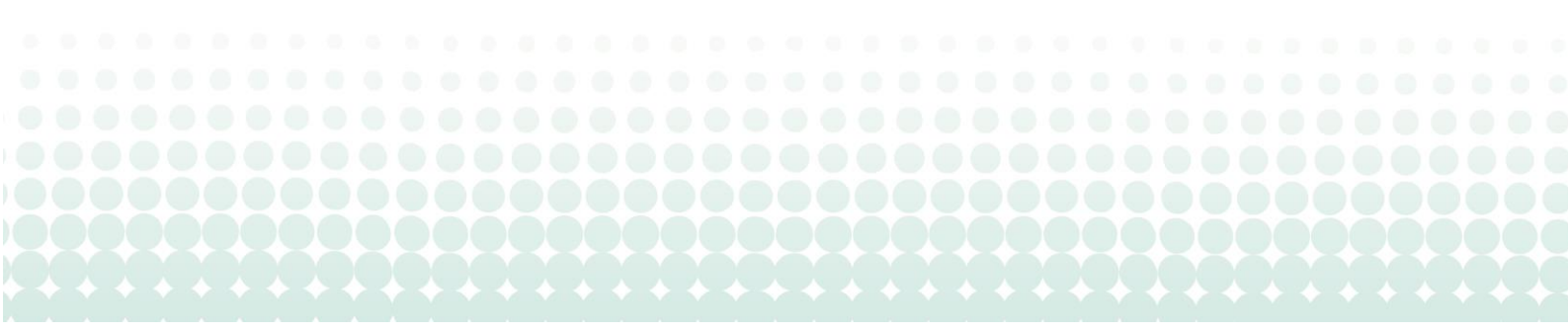
Advance strong performance across the gas supply chain

| 2022 completed activity | 2023 intended activity |
|---|---|
| <p>Our vision is to be the global energy company most admired for its people, partnerships and performance. We build trusting, mutually beneficial relationships. We work together – and with our partners – to achieve solutions and breakthroughs that benefit our shareholders and society.</p> <ul style="list-style-type: none"> • Chevron is proud to participate in the following research consortia: <ul style="list-style-type: none"> ○ Project Astra ○ Methane Emissions Technology Evaluation Center ○ Collaboratory to Advance Methane Science ○ The World Bank’s Global Gas Flaring Reduction Partnership • Chevron has conducted outreach via webinars/conferences/meetings with stakeholders in the United States, Australia, and Argentina. We have also participated as speakers in seminars hosted by the United States Environmental Protection Agency, Society of Petroleum Engineers, New Mexico Oil and Gas Association, American Association of Petroleum Geologists, and The Environmental Partnership. • In Kazakhstan, we are sharing our experience and practices by partnering with KazMunayGas (KMG) to evaluate the potential for joint lower carbon projects, including methane management. | <p>Our vision is to be the global energy company most admired for its people, partnerships and performance. We build trusting, mutually beneficial relationships. We work together – and with our partners – to achieve solutions and breakthroughs that benefit our shareholders and society.</p> <ul style="list-style-type: none"> • Chevron is proud to participate in the following research consortia: <ul style="list-style-type: none"> ○ Project Astra ○ Methane Emissions Technology Evaluation Center ○ Collaboratory to Advance Methane Science ○ The World Bank’s Global Gas Flaring Reduction Partnership • Chevron plans continued outreach with The Environmental Partnership, and our NOJV partners. • Chevron partners and co-funds research with governments, companies, and nonindustry stakeholders to help improve our collective understanding of emissions detection technology and measurement |



Principle Three:
Improve accuracy of methane emissions data

| 2022 completed activity | 2023 intended activity |
|---|---|
| <ul style="list-style-type: none"> • Chevron is advancing technology across our value chain by deploying sensor-affixed drones to detect methane emissions in the U.S. Gulf of Mexico, becoming one of the first in the industry to do so, and similar programs have expanded to other locations, including Angola. • Chevron completed over 950 methane detection flyovers in the U.S. in 2022, including 100% of Permian central facilities. • In Early 2022, we entered a pilot with Project Canary to use its comprehensive TrustWell™ certification program to review and analyze the environmental and social performance aspects of wells and facilities in Colorado and Texas. 82 of those wells and facilities received “Platinum” status, project Canary’s highest ratings. • In 2022, Chevron contracted GHGSat to monitor 22 onshore assets worldwide, and participated in a pilot test of GHGSat’s technology in offshore environments. • Chevron has deployed advanced methane detection technology (including satellites, aircraft, drones, mobile labs, sensors, and handheld equipment) in the following areas: Angola, Israel, Argentina, Australia, Kazakhstan, and in Texas, Colorado, and California in the United States. For more detail, see Chevron’s Methane Report. • In summer of 2022, Chevron tested and provided technical feedback on the protocols developed under the GTI Veritas Program. Successful adoption of these types of protocols would help create consistent and transparent methodologies for companies to calculate and report methane emissions. | <ul style="list-style-type: none"> • Chevron joined project Veritas, the GTI Energy Differentiated Gas Measurement and Verification Initiative, whose goal is to develop technical protocols for measurement, audit, and assurance to provide a widely accepted methodology for incorporating field-informed methane quantification into emissions inventories. Chevron plans to continue to assist in the development and deployment of the project Veritas protocols in 2023. For more information, see GTI’s Project Veritas. • In 2023, Chevron intends to continue to deploy and expand upon our methane detection activities. In addition to traditional ground sensors, Chevron plans to continue deploying airborne sensors using satellites, aircraft, or drones to achieve broader coverage. |



Principle Four:

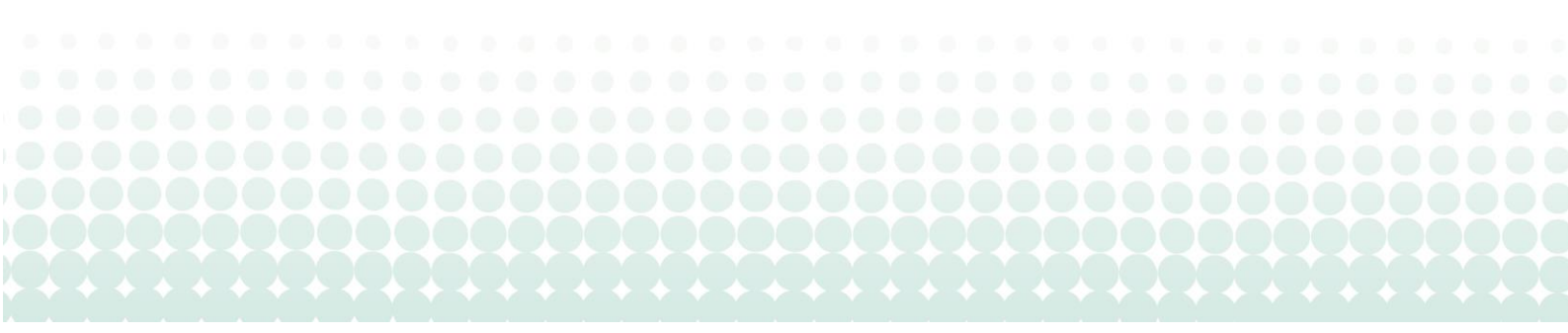
Advocate sound policy and regulations on methane emissions

| 2022 completed activity | 2023 intended activity |
|--|--|
| <p data-bbox="236 474 722 535"><i>To view our public statements and comment letters, visit Chevron’s publications.</i></p> <ul data-bbox="201 575 786 1682" style="list-style-type: none"> • Chevron believes that methane management is critical to a lower carbon future and that methane reductions are possible in the energy industry, and in other key sectors, through adoption of industry best practices, advancement in measurement technologies, carbon pricing and methane regulations. • MRV Programs: A robust MRV framework will need emission factors, engineering estimates and advanced technologies. • Technological innovation: Policy should flexibly incorporate advanced technologies, that can detect and measure methane emissions most effectively. Policy frameworks should be based on realistic capabilities of measurement technologies. • All sectors contributing: Improving methane performance is important for oil and natural gas (24% of global methane emissions), as well as other sectors, which make up the remaining 76%. • Performance-based regulation: When jurisdictions pursue effective methane regulations, they should set appropriate methane targets based on industry best practices, including reasonable minimum equipment standards, while providing flexibility for companies to determine the optimal way to meet those targets. • Chevron also provided detailed comments on the U.S. EPA’s Methane Rule in 2022. | <p data-bbox="810 474 1362 535">Chevron works with policymakers to support well-designed policies.</p> <ul data-bbox="815 575 1394 857" style="list-style-type: none"> • Continue to engage with governments where we operate, including with the U.S. EPA. • Support MGP development and dissemination of an Oil and Gas toolkit for the Global Methane Pledge. • For more information on our policy engagement strategy and examples, see the our Methane Report. |



Principle Five:
Increase transparency

| 2022 completed activity | 2023 intended activity |
|---|--|
| <ul style="list-style-type: none"> • Several initiatives, including OGMP 2.0, are aimed at developing measurement-based reporting in the oil and gas sector. Chevron’s strategy focuses more on preventing methane emissions and using advanced detection technologies in the near term to provide a holistic view of asset-level methane emissions, particularly for larger sources of emissions. We believe this approach can scale quickly across a global asset base, provide actionable information for methane emissions reduction and augment emissions reporting as protocols become available. • Chevron joined project Veritas, the GTI Energy Differentiated Gas Measurement and Verification Initiative, whose goal is to develop technical protocols for measurement, audit, and assurance to provide a widely accepted methodology for incorporating field-informed methane quantification into emissions inventories. Chevron plans to continue to assist in the development and deployment of the project Veritas protocols in 2023. For more information, see GTI’s Project Veritas. • Chevron reports equity and operated emissions by segment on our website, in our Sustainability Report. • Chevron is not participating in OGMP 2.0 | <ul style="list-style-type: none"> • Chevron reports equity and operated emissions by segment on our website, in our Sustainability Report. • Chevron plans to continue to participate in the NOJV GHG Emissions Language workstream as the group works towards the deployment of the language. • Chevron does not plan to participate in OGMP 2.0. |



Methane Emissions

| | |
|--|---|
| <p>Do you report absolute methane emissions within your sustainability report?</p> <p><i>If so provide link.</i></p> | Yes. 2022 Sustainability Report |
| <p>Do you report a methane intensity within your sustainability report?</p> <p><i>If so provide link.</i></p> | Yes. 2022 Sustainability Report |
| <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> | See: 2022 Sustainability Report |
| State your methodology. | See: 2022 Sustainability Report |
| State your reporting boundary. | See: 2022 Sustainability Report |
| <p>What are your organisation's methane intensity?</p> <p>Provide latest data publicly available.</p> | See: 2022 Sustainability Report |
| State your methodology. | See: 2022 Sustainability Report |
| State your reporting boundary. | See: 2022 Sustainability Report |
| <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> | Yes. See Methane Report |

Methane Emissions

For more information, please visit the following:

[Chevron's Methane Report](#)

[2021 Climate Resilience Report](#)

[2022 Corporate Sustainability Report](#)

