



METHANE
GUIDING
PRINCIPLES

Methane Guiding Principles Signatory

Chevron
April, 2024



Company: Chevron

Year of Joining Methane Guiding Principles: May 2018

Senior Representative: Molly Laegeler, Vice President, Strategy and Sustainability

Principle One: Continually reduce methane emissions.

2023 Completed Activity	2024 Intended Activity
<p><i>Please see detailed information here: Chevron’s Methane Report, Climate Change Resilience Report, and Corporate Sustainability Report</i></p> <ul style="list-style-type: none"> • Chevron’s upstream methane-intensity target is 2.0 kg CO₂e/boe by 2028, and we have reduced the methane intensity of Chevron’s oil and gas operations by more than 50% since 2016. • 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 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%. • To drive down the carbon intensity of our operations, we are high-grading our portfolio, improving operations and using marginal abatement cost analysis to drive the most reduction from each dollar spent. Examples of progress include our deepwater U.S. Gulf of Mexico operations, which produce some of the world’s lowest carbon intensity oil and gas, and our methane intensity performance in the Permian Basin, which was in the top quartile of oil and gas producers in 2021. • In 2022, Chevron formed a methane reduction team to guide and implement our enterprise methane strategy. 	<p><i>Please see detailed information here: Chevron’s Methane Report, Climate Change Resilience Report, and 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. • Chevron’s goal is simple – keep methane in the pipe. This starts with designing and operating facilities to help prevent methane emissions and includes deploying technologies to validate performance, inform repairs and improve inventories. • A proactive strategy to design and operate facilities can lead to meaningful reductions in methane emissions intensity. Detection and measurement can help assess whether operations are functioning as designed or identify leaks and other areas for improvement. Trialing emerging technology lets Chevron explore what is possible and incorporate innovative solutions into our methane management programs over time. We anticipate that our monitoring and detection program will provide additional insights to improve how our facilities are operated and maintained. • Chevron plans to continue working to develop and implement the GTI Veritas Protocols and has joined as a signatory to the UNEP’s OGMP 2.0.

Principle Two:

Advance strong performance across the gas supply chain

2023 Completed Activity	2024 Intended Activity
<p><i>Chevron believes learning from and sharing best practices within the oil and gas industry can help improve industrywide methane management. We engage policymakers and other entities for knowledge sharing on methane emissions. This includes participation in groups that develop and share best practices for methane reduction, such as The Environmental Partnership in the United States and Insitituto Argentino Del Petroleo Y Del Gas in Argentina, as well as direct feedback on specific policy proposals, such as in Kazakhstan, Nigeria and the United States.</i></p> <ul style="list-style-type: none"> • Chevron is proud to participate in the following research consortia: Project Astra, the Methane Emissions Technology Evaluation Center (METEC), and the Collaboratory to Advance Methane Science (CAMS) • Chevron is leading a task group on baseline and expected emissions pathways for a study by the National Petroleum Council on methane and other GHG emissions reduction opportunities for the U.S. natural gas supply chain. • Chevron participates in the Kazakhstan Low Carbon Working Group, which hosted the Roundtable on Methane Emission Quantification and Reduction in the Oil and Gas Industry in Kazakhstan. The roundtable included members of government, industry and experts, who discussed reduction opportunities. • Chevron signed a memorandum of understanding with the Egyptian Ministry of Petroleum and Mineral Resources to share best practices and expertise related to the reduction of methane emissions. • Chevron provided expertise and content materials to support the MGP masterclass curriculum and the oil and gas toolkit for the global methane pledge. 	<p><i>In addition to continued support of our 2023 completed activities, Chevron intends to continue to lend support to activities that advance strong methane performance across the natural gas supply chain.</i></p> <ul style="list-style-type: none"> • Chevron’s role is to help develop and implement best practices and share what’s working to prevent methane emissions associated with the production of oil, products, and natural gas. Testing and advancing new technologies to find and fix leaks is an important contributor to global efforts to reduce methane emissions. Through partnering, we can share those ideas across our sector and influence emissions reductions beyond our own operations. • Chevron intends to continue to partner with and co-fund research with governments, companies, and non-industry stakeholders to help improve our collective understanding of emissions detection technology and measurement.

Principle Three:

Improve accuracy of methane emissions data.

2023 Completed Activity	2024 Intended Activity
<p><i>Chevron is working to incorporate field measurement data into existing emission factor-based inventories as quantitative technologies become more widely available and protocols are developed to reconcile current inventories with actual measurements. Collaboration with industry, academic and environmental organizations to improve the technology and protocols for direct measurement of methane is ongoing. We are investing resources and partnering to resolve challenges such as modeling wind conditions and plumes, accounting for changing site conditions over time, and obtaining timely data, all of which can impact the reliability of emissions calculations based on direct measurement. For more information, read our Methane Report.</i></p> <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. For more information, see GTI's Project Veritas. • Since 2016, Chevron has trialed 14 advanced methane detection technologies. "Find and fix" campaigns in Angola, Argentina, Australia, Kazakhstan, Nigeria, the Denver-Julesburg Basin, the U.S. Gulf of Mexico and the Permian Basin have provided opportunities to test different methane emissions detection and measurement options. 	<p><i>Our approach to improving methane emissions reporting is driven by our desire to make the invisible, visible. We are taking actions that we believe will provide information to help enable further emissions reductions and improve the quality and transparency of our methane emissions disclosures.</i></p> <ul style="list-style-type: none"> • Chevron is taking actions to improve the quality and transparency of methane emissions disclosures. As quantitative technologies become more widely available and protocols are developed to reconcile current inventories with actual measurements, we are working to incorporate field measurement into existing emission factor-based inventories. • In 2024, 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. • Chevron has joined as a signatory to the UNEP's OGMP 2.0 program and will be working to implement reporting under the program in the future.

Principle Four:

Advocate sound policy and regulations on methane emissions

2023 Completed Activity	2024 Intended Activity
<p><i>Chevron actively participates in advocacy and improving methane policy in regions where we operate. To view our public statements and comment letters, visit Chevron's publications. Chevron advocates for methane policy in line with the following principles and activities:</i></p> <ul style="list-style-type: none"> • MRV programs: A robust MRV framework will balance the use of 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 current capabilities of measurement technologies and encourage further technology advancement. • All sectors contributing: Improving methane performance is important for oil and natural gas, which generate approximately 24% of global methane emissions, and the other sectors that generate the remaining 76%. Policy should apply to all key sectors. • Performance-based regulation: When jurisdictions pursue 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 has actively engaged with the U.S. EPA, the New Mexico Environment Department, Colorado Department of Public Health and Environment, and other entities for knowledge sharing on methane. We have also provided policy feedback to Nigeria's Ministry of Petroleum Resources and Kazakhstan's Ministry of Ecology, Geology and Natural Resources. • Chevron is the country lead for MGP's AGMR program for Kazakhstan. 	<p><i>Chevron intends to continue engaging in sound policy and regulatory development in line with the principles listed on the left and consistent with the advocacy goals as described in Chevron's Methane Report, Climate Change Resilience Report, and Corporate Sustainability Report</i></p> <ul style="list-style-type: none"> • Since the Global Methane Pledge launched in November 2021, more than 150 countries have joined the effort to reduce global human-made methane emissions by at least 30% from 2020 levels by 2030. We support the pledge through participation in the Methane Guiding Principles initiative to develop a methane policy toolkit for countries that have committed to the Global Methane Pledge. • Chevron will continue to engage with governments where we operate, including with the U.S. EPA.

Principle Five: Increase transparency

2023 Completed Activity	2024 Intended Activity
<ul style="list-style-type: none"> • Chevron’s strategy focuses 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 has also elected to participate in OGMP 2.0. • 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 participated in and co-chaired the MGP NOJV GHG Emissions Language workstream. • Chevron collaborated in the Partnership for Carbon Transparency (PACT) with stakeholders across the value chain, in an effort facilitated by the World Business Council for Sustainable Development (WBCSD), to develop the Pathfinder Framework. It was created with the aim of addressing the existing challenges to data transparency. 	<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 MGP programs to increase transparency. • Chevron has long been focused on increasing transparency on climate-related matters. Additional transparency on methane emissions reporting is a natural extension of that focus. Chevron supports well-designed climate policy, including supporting transparency. Policy should strive for transparency and efficiency in measuring and driving the lowest-cost emissions reductions and transparently communicate policy benefits, costs, and trade-offs to the public.

Methane Emissions

<p>Do you report absolute methane emissions within your sustainability report?</p> <p><i>If so, provide link.</i></p>	<p>Yes, see Sustainability Report.</p>
<p>Do you report a methane intensity within your sustainability report?</p> <p><i>If so, provide link.</i></p>	<p>Yes, see Sustainability Report.</p>
<p>What is your organization's total absolute methane emissions?</p> <p>Provide a figure in tons.</p> <p>Provide latest data publicly available.</p>	<p>See Sustainability Report.</p>
<p>State your methodology.</p>	<p>See Sustainability Report.</p>
<p>State your reporting boundary.</p>	<p>See Sustainability Report.</p>
<p>What are your organization's methane intensity?</p> <p>Provide latest data publicly available.</p>	<p>See Sustainability Report.</p>
<p>State your methodology.</p>	<p>See Sustainability Report.</p>
<p>State your reporting boundary.</p>	<p>See Sustainability Report.</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>Yes, see Methane Report and Sustainability Report.</p>