



METHANE
GUIDING
PRINCIPLES

Methane Guiding Principles Signatory

QatarEnergy
March, 2024





Company: QatarEnergy

Year of Joining Methane Guiding Principles: March, 2018

Senior Representative: Ahmad Saeed Al-Amoodi



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.



2023 Completed Activity	2024ended Activity
<ul style="list-style-type: none"> • QatarEnergy is committed to tackle and reduce methane emissions throughout all stages of the natural gas value chain and all facilities, with a particular focus on the implementation of methane Leak Detection And Repair (LDAR) programs across QatarEnergy and its affiliates. • In 2023, QatarEnergy operated assets continued a program to build an inventory and execute LDAR surveys across all four (4) operated assets (Dukhan, Offshore, NGL Complex and QatarEnergy Refinery) to quantify and reduce fugitive methane emissions. • Our operated and non-operated assets are currently using Optical infrared Gas Imaging (OGI) cameras for leak detection and TVA monitoring instrument for leak quantification. • QatarEnergy maintains a GHG management program which involves GHG emissions quantification (including methane), verification and implementing plans to reduce GHG emissions. • As a member of GGFR and a supporter of the World Bank’s ZRF initiative, QatarEnergy continued to drive flare reduction initiatives to deliver its ambition to achieve zero routine flaring by 2030. 	<ul style="list-style-type: none"> • QatarEnergy will continue to test and deploy new and existing technologies for methane emissions detection and quantification including the use of UAV aerial surveys such as drones to detect methane emissions.

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.

2023 Completed Activity	2024 Intended Activity
<ul style="list-style-type: none"> • QatarEnergy joined the 'Midstream Initiative' along with other MGP members, the aim of which was to pursue action to reduce methane emissions. • QatarEnergy sponsored the updates to the MGP Best Practice Guides. 	<ul style="list-style-type: none"> • QatarEnergy will continue supporting the midstream initiative (Midstream Methane Action Group). • QatarEnergy plans to continue the collaboration with all Operators in Qatar to leverage our existing collective experience and use best international practices for methane emissions monitoring and reduction.

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.

2023 Completed Activity	2024 Intended Activity
<ul style="list-style-type: none"> • QatarEnergy has implemented programs dedicated to improve knowledge on measurement, detection and quantification of methane emissions, and to accelerate the implementation of new technologies for methane monitoring (e.g., remote detection, satellite, etc.). 	<ul style="list-style-type: none"> • QatarEnergy will continue implementation of the OGMP 2.0 principles as part of our commitment. • QatarEnergy has a multi-year plan to deliver improvements in methane measurement. This includes the potential deployment of the source level measurement technologies as well as the site level measurement technologies to help reconcile/validate bottom-up data. • QatarEnergy has plans to deploy new technologies to help us improve the accuracy of our methane emissions data. • QatarEnergy will include 3rd party verification of its fugitive methane emissions added to the existing verification program that covers the other sources of emissions; combustion sources, flaring, venting and process emissions.



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.

2023 Completed Activity	2024 Intended Activity
<ul style="list-style-type: none"> • QatarEnergy was part of the working group that supported the development of the Oil and Gas Sector Toolkit for the Global Methane Pledge. In 2023, QatarEnergy focused on operationalizing the Global Methane Pledge. QatarEnergy led the AGMR (Advancing Global Methane Reductions initiative) for the State of Qatar. 	<ul style="list-style-type: none"> • QatarEnergy will host the 2024 MGP Roundtable in Doha, Qatar. • QatarEnergy will continue advocating for methane policies and regulations that incentivize early actions, drive improvements in company’s methane performance, and support innovation.

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 standardization of comparable external methane reporting describe the activity, you have taken.

2023 Completed Activity	2024 Intended Activity
<ul style="list-style-type: none"> • QatarEnergy is a member of the Oil & Gas Methane Partnership (OGMP 2.0) of the United Nations Environment Programme, which brings together industrial companies, governments and NGOs to better monitor and report methane emissions in order to reduce them. • QatarEnergy supported the International Methane Emissions Observatory (IMEO) by providing data, as relevant to our OGMP 2.0 submissions and validation processes. For further info, a link to the IMEO 2023 Report is as follows: eye_on_methane.pdf (unep.org). • Our methane intensity data can be found in our 2022 sustainability report. 	<ul style="list-style-type: none"> • QatarEnergy will continue the implementation of programs to increase reporting accuracy and transparency of our methane emissions. • QatarEnergy will continue reporting on its methane reduction initiatives and publish our methane emissions data in our annual sustainability reports.



Methane Emissions

<p>Do you report absolute methane emissions within your sustainability report?</p> <p><i>If so, provide link.</i></p>	No
<p>Do you report a methane intensity within your sustainability report?</p> <p><i>If so, provide link.</i></p>	Yes, please refer to our 2022 Sustainability Report .
<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>	Not applicable.
State your methodology.	Not applicable.
State your reporting boundary.	Not applicable.
<p>What are your organization’s methane intensity?</p> <p>Provide latest data publicly available.</p>	Please refer to our 2022 Sustainability Report .
State your methodology.	Bottom-up (source specific) methodology; using meters, online Gas Chromatographs (GCs), Optical Gas Imaging (OGI) cameras and Toxic Vapor Analyzers (TVAs).
State your reporting boundary.	Operated and non-operated assets, 100% and equity share, respectively.
<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>	QatarEnergy’s methane emissions intensity target is 0.2 wt.% by 2025, including operated and non-operated assets.