



METHANE
GUIDING
PRINCIPLES

Methane Guiding Principles Signatory Reporting

Qatar Petroleum
January 15th 2021





COMPANY: **Qatar Petroleum**

DATE: **January 15th 2021**

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

SENIOR REPRESENTATIVE: **Ahmad Saeed Al-Amoodi**



Principle One:
Continually reduce methane emissions

2020 completed activity	2021 intended activity
<p>A key part of QP's climate focus is the tracking and reduction of methane emissions throughout all stages of the natural gas value chain and all facilities, the prime emphasis being the methane leak detection and repair. QP has launched the methane focused smart leak detection and repair (LDAR) program in all upstream and downstream facilities in Qatar. The successful deployment of the LDAR program at the Liquified Natural Gas and Gas To Liquids assets already achieved remarkable reductions in methane emissions.</p>	<p>We plan to move towards a fully integrated fugitive methane monitoring and repair program throughout all stages of the natural gas value chain and all facilities. This should reduce the methane intensity to a world-class level where most of fugitive emissions are swiftly mitigated.</p>

What are your organisation's total methane emissions?

2020 completed activity	2021 intended activity
<p>Our LDAR program involves, in summary, the following elements:</p> <ul style="list-style-type: none"> - Scope includes all lines in methane service or containing methane \geq 10% by weight. - Data base of all potential fugitive methane components developed and updated quarterly. - Annual survey of all components using advanced Optical Gas Imaging (OGI) technology to survey and detect the leaks quickly and efficiently. Overall emissions are quantified using the US EPA leak and no-leak factors. - Priority based leak sources are repaired and re-surveyed. 	<p>We will work on a baseline for methane emissions and start streamlining the reporting across all operators.</p>



Does your organisation report methane intensity?
If so, please specify the intensity.

2020 completed activity	2021 intended activity
Please refer to our 2019 Sustainability Report at [a link to be provided]	

Do you have a methane emission target?

2020 completed activity	2021 intended activity
We have recently set a country-wide methane emissions intensity target of 0.2 wt.% by 2025.	



Principle Two:

Advance strong performance across the gas supply chain

2020 completed activity	2021 intended activity
<p>All upstream operators in Qatar were aligned on a set of criteria to implement a Leak Detection and Repair (LDAR) program for methane reduction. A workshop was conducted which resulted in these a jointly developed guidelines for implementing LDAR programs for methane emissions capturing internationally recognized best practices, existing QP guidelines at Ras Laffan and Mesaieed Industrial Cities, and lessons learnt from operators who have past LDAR program experience.</p> <p>In 2019, we hosted a methane workshop in collaboration with leading industry partners including Shell and the Environmental Defense Fund (EDF), to address the opportunities and challenges faced in mitigating methane emissions. Participants of the workshop included all upstream and downstream operators in Qatar.</p> <p>In 2020, we sponsored the MGP's Global Outreach Programme: An Executive Course and a Masterclass. Participants included the full supply chain in Qatar, including the upstream and downstream companies, the petrochemical companies, ammonia, power generation, aluminum, steel, etc. as well as from our neighboring countries' oil & gas operating companies.</p>	<p>We plan to continue the collaboration with all operators in Qatar to leverage our existing collective experience and use best international practices for methane emissions reduction.</p> <p>We confirmed the funding of the MGP's Methane Cost Model in full to be used as a resource to help users make decisions on the activities related to methane emissions reduction and methane management.</p>

Principle Three:

Improve accuracy of methane emissions data

2020 completed activity	2021 intended activity
<p>QP acknowledges that the success of the methane emissions reduction program is incumbent upon commitment from all energy sector operators in Qatar. Therefore, all operators were requested to ensure the prompt implementation of the agreed guidelines targeting a swift implementation of QP's methane LDAR Guidelines and reporting of the resultant methane emissions. This will ensure consistent and accurate reporting of methane emissions from all facilities.</p>	<p>We will explore new technologies/software to help us improve the accuracy of our methane emissions data.</p>



Principle Four:

Advocate sound policy and regulations on methane emissions

2020 completed activity	2021 intended activity
<p>We have joined the MGP EU Methane Policy Working Group on two critical sub-workstreams “Assess regulatory tools on fossil energy imports” and “Consider legislation on eliminating routine venting and flaring” as a voluntary organization.</p>	<p>We will collaborate with the other MGP EU Methane Policy Working Group members on the next steps to move these critical sub-workstreams forward with ambition and urgency.</p>

Principle Five:

Increase transparency

2020 completed activity	2021 intended activity
<p>To strengthen our transparency, we have included all of our methane emissions reduction initiatives supported with data in our Sustainability Report which you can find at [a link to provided].</p> <p>In 2019, we became a supporting member of the Extractive Industry Transparency Initiative (EITI) translating our strong commitment to promote transparency among the extractive industries.</p>	<p>We will continue reporting on our methane reduction initiatives and include more data on the reductions achieved.</p>

Commentary:

-

