METHANE GUIDING PRINCIPLES

Methane Guiding Principles Signatory Reporting

GRTgaz

January 2023

COMPANY: **GRTgaz**

YEAR OF JOINING METHANE GUIDING PRINCIPLES: **January 2020**

SENIOR REPRESENTATIVE: **Thierry TROUVE**

Principle One:
Continually reduce methane emissions

2022 completed activity	2023 intended activity
• Since 2016, GRTgaz's methane emissions have decreased by 69%. For 2022, GRTgaz's total methane emissions are estimated at 6,2 ktCH_4. • The asset adaptation program was pursued in 2022. The aim of the program is to achieve a CH_4 emission-free compressor station standard within GRTgaz. • In compressor stations, reduction of emissions has been achieved by reducing the number of emitting operations (e.g: using a mobile recompressor when feasible, as already done for pipeline maintenance). In addition to this, specific repair and maintenance plans were undertaken in 2022 to continue to reduce emissions from vent line.	• The 2023 target will be in line with the 2025 target (total methane emissions limited to 4 ktCH_4), hence on track to divide by 5 the emission between 2016 and 2025 (-80%). • In 2023, more projects of the asset adaptation program will come to an end and become operational, achieving the CH_4 emission-free compressor station standard of GRTgaz. • GRTgaz also plans to further enhance its Leak Detection And Repair (LDAR) internal capabilities and programs, in a continuous improvement process. • Several research and development programs will continue to be led by GRTgaz on different levels, such as reducing gas analyzers emissions, developing solutions to recover very small quantities of gas that would have been otherwise vented during maintenance activities on valve stations or on compressor stations

Principle Two:
Advance strong performance across the gas supply chain

2022 completed activity	2023 intended activity
• Within GIE/Marcogaz Methane Working Group, and OGMP GRTgaz is a main contributor to recommendation documents and advocates for better methane management through several presentations in seminars and webinars. • Among the R&D projects carried out by the Research and Innovation Centre for Energy (RICE), the R&D department of GRTgaz, innovations such as top-down measurements projects have been developed. See RICE website: https://researchbyrice.com/?lang=en	• GRTgaz will continue to work closely, in France, with the other gas infrastructure operators to promote methane reduction actions and best practices and will keep on promoting sound and thorough methane reduction practices across the gas supply chain in the upcoming years.

Principle Three:
Improve accuracy of methane emissions data

2022 completed activity	2023 intended activity
• The internal reporting process, created in 2020 and fully operational in 2021, to compute and monitor compressor station emissions has been improved. • A new monitoring methodology, associated with a new tool, has been implemented in compressor stations to automatically verify emissions from compressor units using pressure measurements. • GRTgaz carried out experimentations of drone detection and quantification technologies in two compressor stations, in collaboration with international partners. One of the experiments focused on data reconciliation between site level and source level quantification methodologies. • Among the R&D projects carried out by the Research and Innovation Centre for Energy (RICE), the R&D department of GRTgaz, a new quantification device, measuring directly leak flow rates has been developed and tested to quantify methane emissions from fugitive leaks across different types of assets.	• GRTgaz will pursue its continuous improvement strategy to best compute, verify and monitor methane emissions across all assets.

Principle Four:
Advocate sound policy and regulations on methane emissions

2022 completed activity	2023 intended activity
• In 2022, GRTgaz actively contributed to the consultation around methane emissions legislation proposal from the European Commission. More specifically, GRTgaz played an important coordination role in the European mid and downstream gas operators working group on MRV, LDAR and venting and flaring to elaborate amendment proposals and discussions elements for the European commission. • At national level, GRTgaz discussed on a regular basis with French government around the European methane emissions legislation • GRTgaz is also an important role in CEN TC234 WG14 on methane emissions in mid/downstream (secretary).	• GRTgaz plans to pursue the same dynamic, both in its presence in regulatory working groups and in the production of specific documentation and presentations

Principle Five:
Increase transparency

2022 completed activity	2023 intended activity
• GRTgaz is a signatory member of OGMP 2.0 since 2020 and provided its yearly report on May 2022 according to the OGMP 2.0 framework. Documents and Publications | OGM Partnership • More specifically, methane emissions quantification methodologies have been precisely described in the OGMP 2.0 implementation plan, as well as the next steps for continuous improvement of data quality. • GRTgaz has extensively contributed to OGMP 2.0 task forces, and especially co-chairing the OGMP 2.0 Technical Guidance Document Task Force	• GRTgaz plans to pursue the same dynamic, both in its presence in working groups, internal data transparency development and in the production of specific documentation. • GRTgaz will continue to work on OGMP technical guidelines.

Methane Emissions

Do you report absolute methane emissions within your sustainability report? *If so provide link.*	Yes Rapport intégré GRTgaz (2021 data, focus page 48)
Do you report a methane intensity within your sustainability report? *If so provide link.*	No
What are your organisation's total absolute methane emissions? **Provide a figure in tonnes.** **Provide latest data publicly available.**	Estimated 9,6 million Nm^3 in 2022 (6,2 $ktCH_4$).
State your methodology.	All GRTgaz's assets emissions are monitored, and quantified. As a guiding principle, GRTgaz focuses on the most important sources as a priority, for mitigation and leakage treatment
State your reporting boundary.	Operated assets
What are your organisation's methane intensity? **Provide latest data publicly available.**	Not applicable
State your methodology.	Not applicable
State your reporting boundary.	Not applicable
Do you have a methane emission target? **If yes, please state what it is, including the boundaries and methodology.** **If no, are you developing such a target? Please state your intended timeline.**	Total emissions limited to 6,2 Mm^3 by 2025 (4 $ktCH_4$). This target includes all GRTgaz's assets: Operated assets (compressor stations, regulating stations and pipelines). Specific targets are defined for non-operated assets