



METHANE
GUIDING
PRINCIPLES

Methane Guiding Principles Signatory Reporting

Beijing Gas

January 2022





COMPANY: **Beijing Gas**

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

SENIOR REPRESENTATIVE: Han Jinli



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.

2021 completed activity	2022 intended activity
<ul style="list-style-type: none"> • Establishing Methane Reduction Taskforce within the company to study methane reduction and imbedding methane emissions control into relevant management system. • Beijing Gas takes the lead in studying a methane emission reporting method suitable for China city gas companies. • Adopting mechanical operation practices to replace manual practices to reduce methane emissions; Beijing Gas gradually establishes methane reduction best practice. 	<ul style="list-style-type: none"> • Enhance communication and cooperation with MGP, UNEP, IOGP and other oil and gas enterprise as well as institute and universities to study emissions control and reporting methodologies. • Improve accuracy and granularity by deploying advanced mitigation technology. • Expand monitoring range.



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.

2021 completed activity	2022 intended activity
<ul style="list-style-type: none"> • Beijing Gas and China's major oil and gas companies jointly established the "China Oil and Gas Enterprise Methane Emission Control Alliance" to form an initiative and promised to take solid actions to improve methane emission control and enhance MRV technology system. • Beijing Gas & ENN advocate "China City Gas Company Methane Emissions Control Initiative" which was signed by 10 Chinese city gas companies in Oct. 2021. Support Town Gas to join MGP. 	<ul style="list-style-type: none"> • Domestically, host and participate conferences and seminars related to methane reduction and promote communications with stakeholders from entire gas value chain. • Bridge China city gas companies with international organizations and advocate cutting-edge mitigation ideas and practices to Chinese gas industry. <p>Develop methane reduction toolkit based on best practices and elevate methane reduction capability of the industry.</p>



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.

2021 completed activity	2022 intended activity
Adopt OGI, ultrasonic imaging, FID, real-time laser detection and other advanced technologies to cross-check “top-down” and “bottom-up” method to improve data accuracy and benchmark with OGMP2.0 Gold Standard.	Continuously improve data accuracy by adopting advanced technologies.



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.

2021 completed activity	2022 intended activity
<ul style="list-style-type: none"> • Madam Li Yalan, Chairperson of Beijing Gas and the Vice President of IGU, advocated the importance of methane emission reduction in addressing climate change and the future of gas industry at Shanghai Energy and Finance Forum and China Gas Development Forum. • Organize a seminar on “Research on Methane Emission Reporting Methods of China’s City Gas Companies” which invited senior expert from EDF, Peking University, CNPC, etc. <p>Translated “Methane Emission Glossary” into Chinese, which then reviewed and recognized by senior experts from CNPC, Sinopec, ENN, EDF, Town Gas etc, then published on IPIECA website.</p>	<ul style="list-style-type: none"> • Maintain a good communication mechanism with policy makers and promote the establishment of methane reduction support policies. <p>Lead and promote the formulation of national methane emission reporting standards in downstream gas sector.</p>



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

2021 completed activity	2022 intended activity
<p>Beijing Gas participate in the CDP carbon information disclosure work of its parent company, Beijing Enterprises Group, and expound the Beijing Gas's methane emission control and management in the CDP report.</p>	<p>Beijing Gas will participate in the CDP carbon information disclosure work next year, and continuously improve data accuracy and transparency.</p>



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>	No
<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>	Due to limited data, Beijing Gas' methane emission quantification is in its early stage. We are unable to provide the total amount of emission.
<p>State your methodology.</p>	Not applicable
<p>State your reporting boundary.</p>	Not applicable
<p>What are your organisation's methane intensity?</p> <p>Provide latest data publicly available.</p>	Not applicable
<p>State your methodology.</p>	Not applicable
<p>State your reporting boundary.</p>	Not applicable
<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?</p> <p>Please state your intended timeline.</p>	<ul style="list-style-type: none"> • Reduce the methane emission intensity of operating facilities below 0.12% by 2025. • Reduce the emission intensity to near zero by 2030.

