



METHANE
GUIDING
PRINCIPLES

Methane Guiding Principles Signatory

APA Group
2024



Company: APA Group

Year of Joining Methane Guiding Principles: March 2022

Senior Representative: Allyson Woodford, General Manager Engineering and Planning

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.

2024 Completed Activity	2025 Intended Activity
<p>In September 2024, APA released its annual Climate Report detailing progress against our 2022 Climate Transition Plan. There were a number of highlights:</p> <ul style="list-style-type: none"> • Delivery of abatement measures under our Methane Action Plan, including pipeline leak repairs and compressor seal upgrades. While methane abatement is not accounted for in our reported emissions, APA recognises the significant contribution this makes to decarbonisation. • Improved understanding of abatement opportunities across our gas infrastructure network through enhanced methane measurement on the South West Queensland Pipeline (SWQP) – our highest emitting gas pipeline infrastructure – using state of the art aerial Gas Mapping Light Detection and Ranging (LiDAR) technology. This work provides a holistic view of the SWQP asset, helping to inform 	<ul style="list-style-type: none"> • Continue implementing our Methane Action Plan focusing on abatement and enhanced measurement.



2024 Completed Activity	2025 Intended Activity
<p>future abatement plans for our nationwide gas infrastructure.</p> <ul style="list-style-type: none">• Undertook comprehensive technical and commercial assessments for the electrification of the Wallumbilla compressor station in Queensland, building on our nationwide compressor electrification study in FY23.• Developed a new leak management protocol to support leak detection and management at APA managed gas transmission pipelines and facilities.• Trialled gas capture and recompression technology to reduce methane emissions from pipeline construction activities (refer to the Gas capture and recompression technology trial case study on page 40 of the Climate Report for further details).• Completed gap assessments against MGP Best Practice Guides to identify further methane mitigation opportunities for existing natural gas infrastructure assets. Abatement actions being pursued or trialled include leak detection and repair, use of portable flaring to reduce emissions from pipeline maintenance activities and gas capture and recompression technology. We have also embedded reference to MGP Best Practices within our engineering design practice guidance for new natural gas infrastructure.	

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.

2024 Completed Activity	2025 Intended Activity
<p>APA recognises the importance of reducing our value chain emissions and the role we can play in working with our customers, partners and suppliers in achieving this outcome. APA advanced several key activities across the gas supply chain in FY24:</p> <ul style="list-style-type: none"> • APA made progress on our Scope 3 emissions reduction plan and towards the development of our Scope 3 goal. Building on the pathways established in FY23, we identified new opportunities to mitigate emissions throughout our value chain. • Australian Pipelines and Gas Association (APGA) Methane and Gas Combustion Emissions Reduction Project: As an active member of the APGA Gas Infrastructure Emissions Reduction Working Group, APA co-funded this project to assess methane and combustion-related emission abatement opportunities for gas 	<ul style="list-style-type: none"> • APA will continue to work with the operators of the assets we own to progress the Scope 3 emissions reduction opportunities that have been identified.



2024 Completed Activity	2025 Intended Activity
<p>transmission nationally. The report provides valuable insights into reducing emissions across the natural gas value chain.</p> <ul style="list-style-type: none">• Climate Leaders Coalition’s Credible Transition to Net Zero published in November 2023. APA actively participated to help identify and share lessons learned by organisations as they work to determine a credible transition within a rapidly evolving regulatory environment.• APA made submissions to the Climate Change Authority and Australian Government advocating for improved methane measurements.	

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 have been adopted into your accounting process if at all.

2024 Completed Activity	2025 Intended Activity
<ul style="list-style-type: none"> • Consistent with our Methane Guiding Principles commitments, APA is continuing to explore advanced methane measurement and leak detection approaches. Our FY24 actions built on previous work in FY23 that included a ground level methane leak survey on Goldfields Gas Pipeline (GGP) and high spatial resolution aircraft monitoring of the GGP, Moomba-Sydney Pipeline and SWQP (refer to page 35 of the Climate Report 2023). • In FY24, this work focused on enhanced methane measurement on the SWQP, trialling alternative aerial detection technologies and informing our gas infrastructure emissions reduction roadmap. • We completed direct source-level measurements and engineering calculations across the SWQP. These measurements were then reconciled 	<ul style="list-style-type: none"> • Continue implementing our Methane Action Plan focusing on abatement and enhanced measurement. • APA will draw on the results of our methane measurement work and continue to collaborate with the industry to advance enhanced methane measurement techniques in Australia.



with independent measurements from an aerial survey conducted by Bridger Photonics by helicopter using gas mapping Light Detection and Ranging (LiDAR) technology. This technology targets measured methane emissions to a sensitivity of 0.5 kg/hour with 90% probability (refer to page 38 of the [Climate Report 2024](#)).

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.

2024 Completed Activity	2025 Intended Activity
<p>In FY24 APA advocated for enhanced measurement and reporting methods through various engagements. Some of our activities are noted below.</p> <ul style="list-style-type: none"> • Participated in the MGP Roundtable in Doha and key MGP workstreams. • Made submissions to the Climate Change Authority and Australian Government advocating for improved methane measurement methods. 	<p>APA will draw on the results of our methane measurement work and continue to collaborate with the industry to advance enhanced methane measurement techniques in Australia, as well as advocate for direct methane measurement options within regulatory reform processes.</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 standardization of comparable external methane reporting describe the activity, you have taken.

2024 Completed Activity	2025 Intended Activity
<ul style="list-style-type: none"> • In FY24, APA performed enhanced methane measurement on the SWQP. The methodology applied to complete this work was consistent with the methodology that would be applied under an OGMP 2.0 reporting framework. APA is not a signatory to OGMP 2.0. • APA’s FY24 2024 Climate Report includes a comprehensive Climate Data Book which transparently reports APA’s Scope 1, 2 and 3 emissions, as well as other detailed information such as APA’s approach to offsets. • Methane data is separately reported within our Climate Report and FY24 Climate Data Book. Our calculation methodology details how the numbers are calculated. • We have enhanced our data assurance in FY24, with Deloitte providing reasonable assurance of our Scope 1 and 2 emissions (previously limited assurance) and limited assurance of our Scope 3 emissions, 	<p>The Emissions Data Reporting Project (EDRP) platform is went live in phases during FY25. When completed, we are targeting partially automated, end-to-end reporting for Scope 1, Scope 2, Scope 3 and End-user emissions, as well as enhanced forecasting and scenario modelling capabilities. The new platform will allow APA to reduce reporting lead times and increase the frequency of internal reporting on emissions performance and progress towards our targets and goals.</p>



well ahead of new mandatory
reporting requirements.

Methane Emissions

<p>Do you report absolute methane emissions within your sustainability report? <i>If so, provide link.</i></p>	<p>Yes 2024 Climate Report Refer to page 37 and 64 and to the data book</p>
<p>Do you report a methane intensity within your sustainability report? <i>If so, provide link.</i></p>	<p>No</p>
<p>What is your organization's total absolute methane emissions? Provide a figure in tons. Provide latest data publicly available.</p>	<p>9,252 tonnes of CH₄ for FY24 (July 2023 – June 2024) Source: Refer to pages 37 and 64 of the 2024 Climate Report Methane emissions data are also reported in APA's FY24 Climate Data Book</p>
<p>State your methodology.</p>	<p>National Greenhouse and Energy Reporting 3.76 Method 1 – natural gas transmission Further details provided in APA's FY24 Climate Data Book and FY24 Greenhouse Gas and Energy Calculation Methodology</p>
<p>State your reporting boundary.</p>	<p>Operational Control</p>
<p>What are your organization's methane intensity? Provide latest data publicly available.</p>	<p>N/A</p>
<p>State your methodology.</p>	<p>NA</p>
<p>State your reporting boundary.</p>	<p>NA</p>
<p>Do you have a methane emission target? If yes, please state what it is, including the boundaries and methodology.</p>	<p>Yes. In 2023 we introduced a target to reduce our operational methane emissions by at least 30% by FY30, compared to APA's FY21 base year.</p>



If no, are you developing such a target?
Please state your intended timeline.