METHANE GUIDING PRINCIPLES

The Methane Guiding Principles

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Methane Guiding Principles

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Overview

MGP Mission Statement

- Methane Guiding Principles is a voluntary, international multi-stakeholder partnership between industry and non-industry organisations. It has a focus on priority areas for action along the natural gas supply chain, from production to the final consumer.

The 5 Guiding Principles – At-a-Glance

- Continually reduce methane emissions
- Advance strong performance across gas value chains
- Improve accuracy of methane emissions data
- Advocate sound policy/regulations on methane emissions
- Increase transparency

Signatories and Supporting Organisations

EXPECTATIONS OF MEMBERS

- Signatories commit to progressing the five Methane Guiding Principles.
- Signatories will publicly report on how they are meeting the intent of the Methane Guiding Principles.
- Each Signatory and Supporting Organisation will support at least one project annually, in-kind and/or financially, that will be publicly reported.
- Any relevant outputs from completed projects will be made public, where appropriate and via relevant channels.

METHANE GUIDING PRINCIPLES

Reducing Methane Emissions: Best Practices

Muhunthan Sathiamoorthy,

Methane SME, bp

Best Practice Guides – Why the Need ?

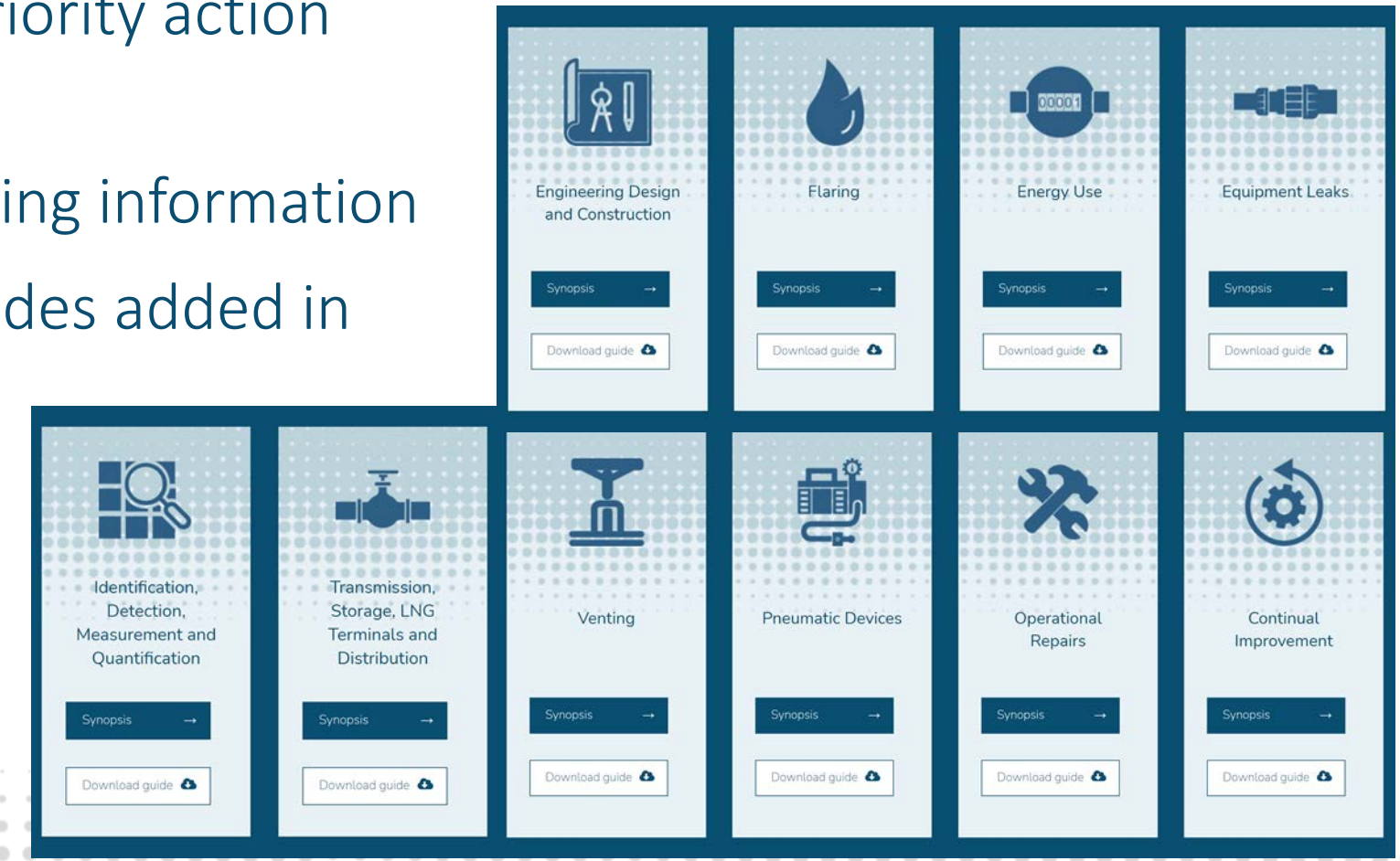
METHANE GUIDING PRINCIPLES

- Designed to support methane emissions management across the natural gas supply chain
- Provide consistent, accurate guidance recognising technology developments
- Developed by experts:
  - Matt Harrison from SLR International Corporation and
  - Professor Dave Allen from University of Texas (Austin) as Lead Authors
- Reviewed, supported by members

Best Practice Guides (BPG) – Coverage

METHANE GUIDING PRINCIPLES

- 8 Guides with focus on priority action areas.
- 2 Guides provide supporting information
- Demand driven e.g. 2 Guides added in 2020



Designed to be Useable / Useful

METHANE GUIDING PRINCIPLES

- Each Guide provides a summary of current known mitigations, costs, and available technologies.
  - Summary, Intro
  - Mitigation
  - Case studies / Examples
  - Checklist
  - References
- Synopsis provided to get to key information quickly
- Can be updated in the future to reflect technology advancements
- Guides in multiple languages: English Spanish, French, Mandarin, Arabic and Russia

Checklist

Methods of reducing methane emissions from leaks in equipment:

- Keep an accurate inventory of emissions from equipment leaks.
- Conduct a periodic leak detection and repair program.
- Consider using alternative monitoring programs.
- Replace or eliminate components that persistently leak.

Use of the Best Practice Guides

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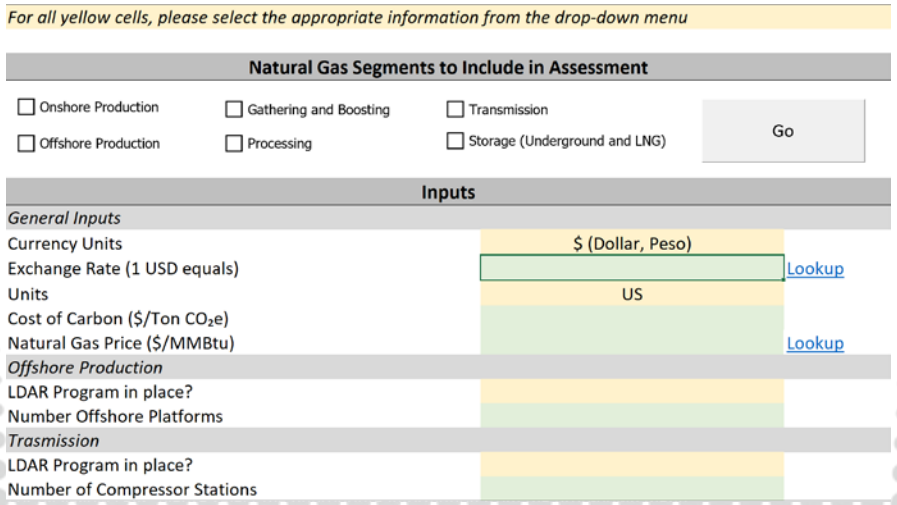
- Published on the MGP website

  https://methaneguidingprinciples.org/best-practice-guides/

- Incorporated into the Global Outreach Programme (delivered by the Sustainable Gas Institute – Imperial College)
- Please use, socialise, provide feedback

RESOURCES

- The **Gap Assessment Tool** enables organisations to carry out a self-assessment of the completeness and maturity of their existing methane management arrangements based on a simple scoring system. Gaps in current arrangements can be identified, so that improvement measures can be developed.
- The **MGP Global Outreach Programme** comprises of two courses: An Executive Course and a Masterclass designed to improve awareness and know-how on managing methane emissions. Available through F2F and virtual delivery mechanisms, with an e-learning under development.
- A **Policy Framework** sets out the key elements that would form an effective policy framework focused on ensuring ambitious methane reduction outcomes are met. It is intended to provide a foundation upon which jurisdiction-specific regulatory recommendations could be based.
- The **Methane Cost Model** provides the user with a screening tool to identify and evaluate potential methane reduction projects across the natural gas supply chain. The model can be used for both the early design phase of a project as well modifications to existing operations.



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Q&A

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