

Methane Abatement for Oil and Gas: Handbook for Policymakers



Presentation to the 2023 Almaty Energy Forum

Kenyon Weaver and Eric Camp (Handbook Co-Authors)

November 6, 2023

Methane Abatement for Oil and Gas: Handbook for Policymakers

Who we are



Eric Camp
Intermittent Expert
Commercial Law
Development Program
(CLDP)
ecamp@doc.gov



Kenyon Weaver
Senior Counsel
Commercial Law
Development Program
(CLDP)
kweaver@doc.gov



Methane Abatement for Oil and Gas: Handbook for Policymakers

About CLDP

- Established in 1992, CLDP is a division of the U.S. Department of Commerce that has helped develop the legal infrastructure to support domestic and international businesses in more than 50 countries.
- With support from the U.S. Department of State's Bureau of Energy Resources, CLDP's Energy Transition team provides technical advice to government agencies, regulators, and state-owned enterprises to improve the legal and regulatory environment for sustainable investment in energy, power, and mining.



Methane Abatement for Oil and Gas: Handbook for Policymakers

What is the Handbook?

A 'how-to' action guide to empower legislators, ministries, regulators, and NOC officials to adopt and enforce legal instruments that will rapidly and effectively reduce methane emissions from the oil and gas sector.

Methane Abatement for Oil and Gas

Handbook for Policymakers



Methane Abatement for Oil and Gas: Handbook for Policymakers

How was it developed?

- Sponsored by **U.S. Department of State, Bureau of Energy Resources.**
- Drafted over one week in an intense session with 13 expert co-authors.
- Co-written by authors representing:
 - Government (U.S., Sri Lanka, and Bangladesh)
 - NGOs
 - Multilaterals
 - Industry
 - Academia



Energy Resources

U.S. DEPARTMENT *of* STATE



Berkeley
Law



The Commonwealth



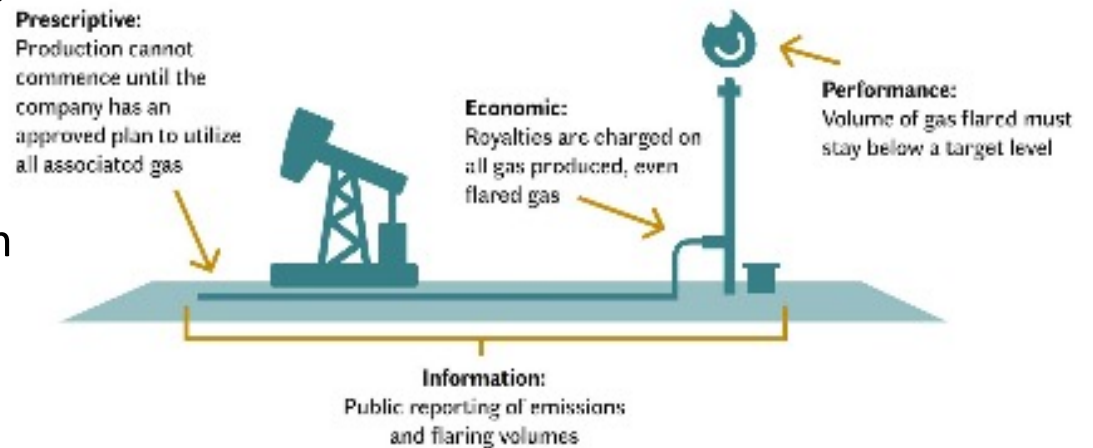
CLEAN AIR
TASK FORCE



Methane Abatement for Oil and Gas: Handbook for Policymakers

What does it cover?

1. The Methane Opportunity
2. Planning to Reduce Methane from Oil and Gas
3. Getting Started on Methane Abatement Regulations
4. Methane Sources by Oil and Gas Market Segment
5. Leak Detection and Repair (LDAR)
6. Flaring and Venting
7. Equipment and Process Standards
8. Inventories



9. Monitoring
10. Ensuring Compliance
11. Financing for Methane Abatement
12. Capacity Building for Action
13. Resources for Implementation



Methane Abatement for Oil and Gas: Handbook for Policymakers

How can it be used?

- ✓ Planning for methane abatement
- ✓ Understanding your methane abatement options
- ✓ Financing abatement and monetizing methane that is flared, vented, or leaked
- ✓ Learning from examples from around the world
- ✓ Finding support



What are some key concepts?

- Making sense of cost-effective options (Marginal Abatement Cost Curve)
- Tracking the emissions (Inventory methodology)
- Choosing the right monitoring technologies
- Understanding how methane abatement could qualify for sources of financing

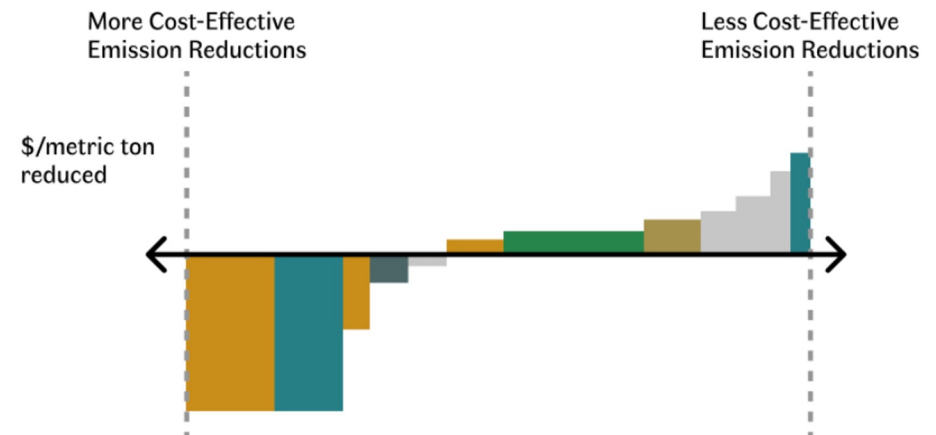


Figure 5.2: Example of a marginal abatement cost curve.



Methane Abatement for Oil and Gas: Handbook for Policymakers

What are examples and case studies?

Examples from:

- Vietnam
- Sri Lanka
- Bangladesh
- Canada
- Colombia
- Kazakhstan
- Nigeria

Case Studies of:

- Carbon credit-financed projects
- Methane Alert and Response System (MARS)
- Aircraft monitoring
- Capacity building successes



Methane Abatement for Oil and Gas: Handbook for Policymakers

Copies available

- Online: <https://cldp.doc.gov/methane-abatement-resources>



CLDP | Commercial Law Development Program
Office of General Counsel
United States Department of Commerce
IMPROVING THE LEGAL ENVIRONMENT FOR BUSINESS WORLDWIDE

Contact Us

Search

[ABOUT CLDP](#) ▾ [AREAS OF EXPERTISE](#) ▾ [COUNTRIES & REGIONS](#) ▾ [WHO WE SERVE](#) ▾ [PROGRAMS](#) ▾ [RESOURCES](#) ▾

[Home](#)

Methane Abatement Resources

Methane is a powerful but short-lived greenhouse gas. Achieving near-term reductions could have a rapid and significant effect on near-term atmospheric warming. The oil and gas sector has the greatest share of cost-effective and technically feasible methane mitigation potential. Rapidly reducing methane emissions is a win-win, contributing to shared climate objectives and enhancing energy security. CLDP's Energy Transition team advises on the policy, legal, regulatory, and contractual reforms that will attract responsible investment in abating methane emissions from oil and gas.





Tel: +1 202 482
2400



1401 Constitution Avenue,
NW, Washington,
DC 20230



www.cldp.doc.gov

Commercial Law Development Program
Office of General Counsel
U.S. Department of Commerce