

Oil and Gas Case Study: Pilot projects on continuous emissions monitoring

Global Methane Forum

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Fugitive Emissions – Oil & Gas Industry Interests & Efforts

- Screening type technology/methodology for detecting anomalous leaks
- Knowledge and characterization of leaks to optimize approach
- Operationally feasible, cost effective leak detection & repair (LDAR)
- Support and participate in a variety of research & development and demonstration projects
 - current priority is on methane
 - funding and access to operational sites
 - results worked into the regulatory development and revision processes

Compressor Station



Aerial Based



Wellsite



Ground Based



Fugitive Emissions – Results & Next Steps

- Showed capability of detecting and quantifying methane emissions in gas production operational settings
 - advancements made on measurement and analysis methods
- Build off the learnings for further refinement and calibration of modelling
 - multi-source leak localization
- Progress the pathway to utilization
 - evaluation of equivalency to regulatory base
 - business models and commercial cost structure