



Technology Development and Deployment - The Methane Roadmap

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Technology Development & Deployment – The Roadmap

- **Determining the Optimum LDAR Frequency**
- **Evaluating Alternative Detection and Quantification Technologies, and assessing their ‘equivalence’ with prescribed OGI LDAR**
- **Improving to the Methane Emissions Inventory**
- **Understanding Routine and non-Routine Venting from Tanks**
- **Evaluating Methane Control Technologies**

LDAR = Leak Detection and Repair

FEMP EA = Fugitive Emissions Management Program Effectiveness Assessment

OGI = Optical Gas Imaging

Observations, Conclusions, Next Steps

- **Launch of Methane Emission Reduction Network**
 - Collaboration and Coordination is key
- **45% reduction by 2025 AT THE LOWEST POSSIBLE COST**
 - Cost is critical in a challenging time for industry
- **Incentives Work, particular for early adopters. Leveraged funding helps reduce risk and accelerate technology development**
- **Alberta's Adaptive Framework recognizes innovation. Methane R&D must be 'direct line of sight' to regulations. 2022 Regulatory Review.**
- **Access to sites is critical. Repeated field work is necessary to prove out technologies. Concept of a Test Centre and Test Areas introduced**
- **Passionate, intelligent, capable people participated in MERF #1**