



Alberta's Methane Emissions Reduction

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Background

- › The GoA made a commitment to reduce methane emissions from Alberta's oil and gas industry
- › To achieve the outcome the AER has developed a set of methane reduction requirements
- › A multi-stakeholder process informed the development of the requirements



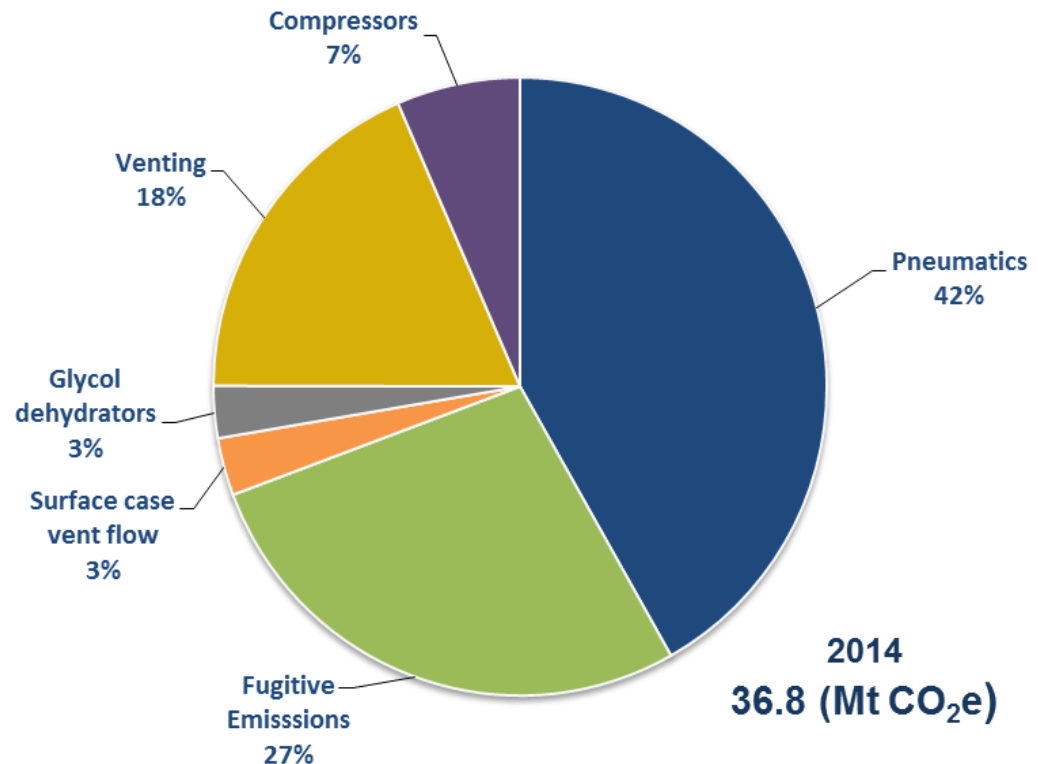
Alberta's Climate Leadership Plan

- » The Government of Alberta's Climate Leadership Plan has four pillars:
- Carbon levy
 - Oil sands emissions cap
 - Phase out coal power
 - ***Methane Reduction***

Alberta's Oil and Gas Estimated Methane Emissions

The draft requirements focus on reducing emissions by source:

- Pneumatic devices
- Compressors
- Fugitive emissions
- Glycol dehydrators
- Venting



Scenarios & Decision Making

- 》 AER developed various scenarios that would reduce methane emissions for each source type
- 》 All sources have reporting requirements – A reporting system for this purpose is also being developed to consolidate reports and decision making

Regulatory Assessment Criteria

- 》 Are they cost effective?
- 》 Are they adaptive?
- 》 Are they operationally feasible?
- 》 Are they transparent and credible?

- 》 AER has funded 8 projects to address methane related knowledge gaps
- 》 AER staff has also advised on projects funded by technology funders (PTAC, ERA, AI)
- 》 2018 projects have focused on improvements to modeling assumptions and technologies and approaches for fugitive emissions detection

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