

Project Profile

Project Name:	Compressor Methane Slip Measurement Study
Project Number:	ER-Meth-2025-02
Proponent:	Montrose Environmental Group, Ltd.
Funding Envelope:	Environmental Research--Methane
Timeframe:	August 26, 2024, to June 30, 2025

Project objectives

The objectives of this project are to:

- Assess alternative compressor engine slip measurement technologies to validate the efficacy and accuracy of measurements under each technology.

Project description

This project will be a two phased approach with phase 1 centering on information gathering and defining a field study plan while phase 2 will focus on executing the field study and the analysis of results.

Phase 1—desktop review and initial pilot testing will cover:

- A desktop review of new and near-commercially available methane detection technologies for measuring compressor slip emissions that are applicable to the B.C. industry.
- Pilot testing and initial validation of methods that will be used during the phase 2 field study.
- Documenting the finding of the desktop review and initial pilot testing—along with the creation of a field study plan for phase 2.

Phase 2—field study and reporting will cover:

- Conducting testing on the effectiveness of each measurement technology relative to the existing industry best practice method.
- Analyzing the results and producing the final report.

Project deliverables

The deliverables from this project include the following:

1. Final report.

2. Presentation on findings and implications to the BC MERC.