

## Project Profile

<b>Project Name:</b>	Compressor Methane Slip Measurement Study
<b>Project Number:</b>	ER-Meth-2025-02
<b>Proponent:</b>	Montrose Environmental Group, Ltd.
<b>Funding Envelope:</b>	Environmental Research--Methane
<b>Timeframe:</b>	August 26, 2024, to September 15, 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.