Project Summary, Milestones, Payment Schedule and Quarterly Update Reports

Report Date: Oct 17, 2024 (Q2 2024/2025)

Project Summary

Project Title:	Methane Emissions Risk Tool - Site Prioritization and Emissions Closure Guidelines
Lead Investigator:	Anthony Knafla
AUPRF Managed Funds Award Amount:	$17,000
PTAC Technical Champion:	Shawn Forster (Cenovus) / Ken Masich (AER)
GL #:	24-WCRC-01
Project Total Cost (all years)	$17,000
Leveraged Cash Funding (all years)	$0,000
Leveraged In-Kind Funding (all years)	$1,500
Start Date:	September 2024
Completion Date:	April 2025
Final Report Due Date:	April 2025

Provide a brief description of the challenges this project aims to address and how industry and others will benefit, including what the anticipated impact is. (i.e., cost reductions, improved environmental performance, impact on regulation, enhanced access to resources). (Maximum 150 words or less)

Multi-year PTAC project to evaluate risks from wells with SCVF and deriving a Minimum Emission Level (MEL) applicable to methane associated with leaking abandoned oil and gas wells. The MEL would assist in moving sites to reclamation and closure and represents an emission threshold that does not pose an unacceptable health risk to human and ecological receptors. There are multiple benefits, including:

- lower net cost for SCVF mitigation if a repair attempt is nearly 100% successful, but a relatively small leak remains, and leakage rate falls below the MEL suggesting no further mitigation is required;
- 2. wells that can move directly to reclamation, improving the local landscape and improving ecosystem restoration, without any SCVF mitigation because the wells have existing leakage rates that are below the MEL; and,
- 3. potential to redirect cost savings to more efficient means of GHG emission reductions, improvements in drilling efficiency, production, and reduced wellbore leakage, etc.

List scope key milestones with invoicing schedule. Include quarterly estimates.

Milestone	Planned Expenditures[1]	Actual Expenditures	Status
Q2 (Jul 1 – Sep 30) 2024			
1.	$4,500.00	$900.00	Adjustments to model; report writing
Q3 (Oct 1 – Dec 31) 2024			
1.	$5,500.00		Report writing and tabulation of investigation / analytical requirements
Q4 (Jan 1 – Mar 31) 2025			
1.	$7,000.00		Finalization of report for PTAC submission
Total	$17,000	$900.00	

Quarterly Update

Exception Highlight for the Quarter:
(any exceptions to the original project scope, timelines, payment schedule / amount(s) OR early significant findings) – this can be left blank if no changes are needed, and do not include exceptions already reported.

1. Slow project kickoff, contract signed end of August 2024; efforts occurring under associated PTAC contract making notable progress towards final deliverable. Focus on Best Practices approach.

Update on scope, key questions, gap analysis and work performed this quarter (include any requests for assistance to PTAC or the committees)

None.

[1] All expenditures in Canadian dollars and must exclude GST and other applicable taxes.