

Summary of Peace River Outcomes

The six outcomes and 12 performance measures for the Peace River area are outlined in this document. Each of the seventeen recommendations under the AER’s mandate is also shown in brackets under each corresponding outcome.

Outcome 1

Reduce and prevent gas venting from all sources associated with heavy oil and bitumen operations in the Peace River area.

(Operations Recommendations 1a, 1b, 2, 3, 6, 7, 8, and 9)

Performance Measure	
1a	Reported volumes of gas vented (and oil produced) from oil and bitumen batteries to Petrinex
1b	Third-party audit and reporting of total leak volume on an annual survey This is a proposed reporting requirement in the draft directive <i>Requirements for Hydrocarbon Emission Controls and Gas Conservation in the Peace River Area</i> that may be included as a future performance measure.
1c	Average monthly leaks by facility (sorted by operator and area) This is a proposed reporting requirement in the draft directive <i>Requirements for Hydrocarbon Emission Controls and Gas Conservation in the Peace River Area</i> that may be included as a future performance measure.

Outcome 2

Reduce flaring and incineration of gas associated with heavy oil and bitumen operations in the Peace River area.

(Operations Recommendation 4)

Performance Measure	
	Percentage of nonroutine flaring by operator (per cent of total produced gas on site)
2	This is a proposed flaring requirement in the draft directive <i>Requirements for Hydrocarbon Emission Controls and Gas Conservation in the Peace River Area</i> that may be included as a future performance measure.

Outcome 3

Increase conservation of gas in the Peace River area from heavy oil and bitumen operations.

(Operations Recommendation 5)

Performance Measure	
3	Per cent of gas conserved in the Peace River area (based on Petrinex data)

Outcome 4

Reduction of odour events to the residents of the Peace River area.

(Stakeholder Engagement Recommendation 2, Regulatory Recommendation 2)

Performance Measure	
4a	Percentage of inspections deemed compliant with Peace River recommendations (1, 2, and 3)
4b	Percentage of inspections deemed compliant with <i>Directive 060</i> offensive off-lease odour requirements
4c	Odours and emissions complaints reported to the AER in the Peace River area

Outcome 5

Increase public confidence in the AER regulatory system in the Peace River area.

(Stakeholder Engagement Recommendation 1, Geology Recommendation 1, Regulatory Recommendation 1)

Performance Measure	
5	This is a proposed performance measure based on potential survey questions for Peace River area residents

Outcome 6

Meet regional targets in the Peace River area

(Monitoring and Modelling Recommendations 1, 2, and 3)

Performance Measure	
6a	99th percentile of monthly one-hour measurements of total hydrocarbon
6b	99th percentile of monthly one-hour measurements of nonmethane hydrocarbon
6c	99th percentile of monthly one-hour measurements of total reduced sulphur