



Emission Reduction Estimate for Wood Buffalo Project

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This document provides a summary of the anticipated volume of emission reductions from the implementation of an aerobic landfill bioreactor project at the Wood Buffalo Landfill in Fort McMurray, Alberta, under three different baseline scenarios. Estimates are based on the quantification approach outlined in the Alberta Offset System Quantification Protocol for Aerobic Landfill Bioreactor Projects. This scenario assumes that 1,250,000 tons of waste are in place at the time of landfill closure.

Table 1: Scenario Overview

	Baseline Lo (m3/tonne)	Final Lo (m3/tonne)
Scenario A	120	10
Scenario B	100	10
Scenario C	80	10

Table 2: Emission Reduction Summary

Emission Reductions (tCO2E)			
Year	Scenario A	Scenario B	Scenario C
2012	246,197	198,546	150,895
2013	289,877	234,284	178,691
2014	333,557	270,022	206,488
2015	377,237	305,761	234,284
Total	1,246,868	1,008,613	770,358