

2022 Budget - Capital Supplemental Item						
Title:	Landfill Gas Probe Collection Network Installation (BBLF,CHLF,NPRLF)				Recycling & Solid Waste	
Division:	Solid Waste				Regional Solid Waste Management - 500	
Type:	Capital - New				High	
Description						
In 2021 the Design Operating and Closure Plans (DOCPs) for the all three active Peace River Regional District (PRRD) Landfills were updated. DOCPs are a provincial requirement under the landfills operating permit and must be provided by a qualified professional. A DOCP outlines how the landfill will be operated over the life of the landfill, and are updated every 5 years. As part of the environmental monitoring requirements of the new DOCPs, it is recommended that Landfill Gas (LFG) probes be installed around the sites. These probes will monitor if LFG is migrating away from the site through channels such as gravel. It is recommended that 2 probes be installed at the Bessborough Landfill (BBLF), a single probe be installed at the Chetwynd Landfill (CHLF), and 6 Probes be installed at the North Peace Regional Landfill (NPRLF).						
Benefits						
By installing the probes at each respective landfill, the PRRD will be able to collect quarterly samples. The data from the first years monitoring program will help guide how much monitoring will be required in the future years. If no LFG is present through the first year the monitoring program can be pulled back to bi annual or annual monitoring.						
Risks						
Because the DOCP recommends that the LFG probes be installed and monitored, by not installing them, the PRRD will be not be following the approved DOCP and therefore be non compliant under the Operating Permit for the site.						
Financial Information						
Capital						
Funding Sources	2022	2023	2024	2025	2026	5 Year Total
Requisition	18,000					18,000
						0
						0
	18,000	0	0	0	0	18,000
Expenses						
	2022	2023	2024	2025	2026	5 Year Total
Supply and install 9 LFG Probes	18,000					18,000
						0
						0
						0
						0
						0
						0
						0
	18,000	0	0	0	0	18,000
Administration						
Author: Gerritt Lacey				Date Prepared: November 23, 2021		
Approval Date						