



Capital Budget Request - EQUIPMENT

Project Name **Automated Refuse Trucks Retrofit (RFID)** \$ **152,000**

Order Code _____ Project Location Muni Wide
 Project Category Environmental Ward 5 - Muni-Wide
 Type of Project Lifecycle - Acquisition and/or Installa Municipal Function 43 - Solid Waste - Coll/Disposal

Project Description and Scope

The purpose of this project is to bring all of our automated refuse trucks not currently equipped with the Lateral Radio Frequency Identification (RFID) up to standards with the rest of our fleet of waste trucks. We currently have 10 trucks with the RFID system, 4 trucks scheduled for replacement in 2019 equipped with the RFID system and have the need to retrofit seven (7) more trucks with the RFID system. The RFID system is an onboard computer with the capability to take photos, register the location and time of the collection point as well as track the vehicle route. It also identifies the material being collected (i.e.; waste or recycling). This information will be used to assist in route optimization in determining the number of trucks and drivers needed by the municipality to ensure efficiencies in service are captured. Radio Frequency Identification (RFID) waste management solutions support identification and traceability of waste streams. RFID tags attached to waste containers enable operators to monitor sorting quality, track the number of times a container is placed for collection and can track the weight of its contents.

Project Cash Flows

Year	Total Annual Cost	Federal Grant	Provincial Grant	Reserve	Other
2019 & Prior	-				
2020	152,000				
2021	-				
2022	-				
2023	-				
2024	-				
2025	-				
Thereafter	-				
Total Budget	152,000	-	-	-	-

Additional Funding Details

When the retrofitted collection vehicles are due for replacement, the hardware will be removed and installed in the replacement vehicle.

Business Case Created By Lyndon Payne
 Project Sponsor Branch Solid Waste Services
 Project Sponsor Department Public Works
 Project Delivery Branch Fleet Services
 Project Delivery Department Public Works