

CAPITAL PROFILE REPORT

PROFILE NAME:	EWMC FACILITIES	FUNDED
PROFILE NUMBER:	CM-33-2019	PROFILE STAGE: Approved
DEPARTMENT:	Utilities	PROFILE TYPE: Composite
LEAD BRANCH:	Waste Services	LEAD MANAGER: Denis Jubinville
PROGRAM NAME:		PARTNER MANAGER:
PARTNER:	Waste Management Services	ESTIMATED START: January, 2015
BUDGET CYCLE:	2015-2018	ESTIMATED COMPLETION: December, 2018

Service Category:	Utilities	Major Initiative:
--------------------------	------------------	--------------------------

GROWTH	RENEWAL	PREVIOUSLY APPROVED:	12,620
100		BUDGET REQUEST:	-
		TOTAL PROFILE BUDGET:	12,620

PROFILE DESCRIPTION

Provide funding for upgrades & capital replacements for facilities & infrastructure of the Waste Management Utility. These upgrades or replacements may be required due to age of the infrastructure, using the equipment or infrastructure for different purposes than original design, safety improvements, or other improvements to increase efficiency and/or effectiveness. Scope: Includes all upgrades & capital replacements for facilities & infrastructure at EWMC, Eco Stations, & Kennedale sites. May include new equipment, changes in existing equipment, access platforms, and upgrades to ventilation/other building systems. New facility is a Central Warehouse @ EWMC. Currently spare parts are stored in individual facilities in uncontrolled areas. Out of Scope: Maintenance & replacements in kind are excluded, as not considered capital. Larger projects (over \$2M) are excluded. They have been split out into separate profiles for consideration. Corporate Properties assets are also out of scope.

PROFILE BACKGROUND

The WMU assets include solid waste processing; research facilities; collections staff; equipment facilities, & Eco Stations, which require sustaining or enhancement projects to continue to process waste effectively and efficiently.

Sustaining projects are those that replace or renew existing systems that may be near end of life and equip. that may have reduced efficiency due to age or new application.

Improvement projects are improvements that relate to safety, operator effort, capacity, or efficiency.

Previously, composite profiles for EWMC Facilities, EWMC Infrastructure, and Collections Facilities and Infrastructure were entered into the WMU capital budget and approved. This request for approval seeks to continue this practice.

Safety concerns, improvement ideas, and efficiency issues are reviewed by Engineering, they are prioritized in terms of resolving or improving safety issues, showing the best improvement to waste diversion, or providing the best payback.

PROFILE JUSTIFICATION

The non-uniform nature of solid waste makes it difficult to consider all possibilities in design of new facilities and processing systems. This profile will allow for the planned and timely renewal & upgrade to key facilities and operating infrastructure. Improvement of working conditions, increase efficiency & effectiveness, & reduction of maintenance costs for all waste processing facilities. The anticipated outcome of this profile is facilities, infrastructure, & processes that are safe, efficient, effective, & sustainable. Critical success factors will be close observation & measurement of operating results & identification of causes for not meeting operating objectives. Cooperation with Building Maintenance is critical for timely & efficient completion of work. Buildings that are owned/maintained by Corporate Properties, it is beneficial to coordinate changes/upgrades with scheduled maintenance work.

STRATEGIC ALIGNMENT

This profile supports the business goal of reaching 90% residential waste diversion. It also supports the business goals of continuous improvement and reduction of costs for existing programs.

ALTERNATIVES CONSIDERED

Alternatives to the capital profile are outlined on page 14 of attached Business Case document and identify potential options to manage existing facility and infrastructure renewal, upgrade or expansion.

COST BENEFITS

Keeping the equipment & infrastructure up to date reduces down time (leads to overtime), ensures waste collection & processing is effective as possible. When facilities, equipment, or infrastructure require refurbishment/replacement, an economic analysis will be conducted to determine best course of action from a life-cycle perspective.

See detail analysis & cost breakdown on Page 16 & 17 of the attached Business Case document.

KEY RISKS & MITIGATING STRATEGY

Key risks are equipment pricing and installation labour pricing.

A Table listing risks and alternatives can be found on page 19 of attached Business Case document.

CAPITAL PROFILE REPORT

RESOURCES

It will be led by WM Proj. Engineers, or in collaboration with Bldgs Services. Once designs and equip. spec. have been finalized, these will be issued for tender. The Engineer will manage and administer the Contractors during the construction phase.

CONCLUSIONS AND RECOMMENDATIONS

Alternative 2, status quo is recommended.

It will continue the practice of ensuring continuous improvement in efficiency, effectiveness, safety, and working conditions occur.

CHANGES TO APPROVED PROFILE

Aug 28, 2017 CM#17-11: This request is to transfer the additional budget of \$1.95M for the RDF Dryer profile 15-33-2031 from EWMC Facilities CM-33-2019. The EWMC Facilities profile is for projects within the major processing facilities, including the RDF area. Certain projects in this profile are pending on the Branch strategic plan that is under development, therefore are expected to be deferred to 2018 or 2019. The transferring of \$1.95M will have no impact to the capital profile.

2017 Fall (#17-40) 2.2-24: Savings from 13-33-2020, 16-33-2017, CM-33-2005 and CM-33-2019 totaling \$20,275,500 will be released. These savings will be used to cover additional budget requirement for the Landfill Capping and Revegetation, Planning & Design and Groundwater Diversion initiatives. As a result, the re-costing of the Landfill Capping and the new profiles for the Planning & Design and Groundwater Diversion will not require additional overall Waste Utility budget funding.

CAPITAL PROFILE REPORT

PROFILE NAME: **EWMC Facilities**
 PROFILE NUMBER: **CM-33-2019**
 BRANCH: **Waste Services**

FUNDED
 PROFILE TYPE: **Composite**

CAPITAL BUDGET AND FUNDING SOURCES (000's)

	Prior Years	2024	2025	2026	2027	2028	2029	2030	2031	2032	Beyond 2032	Total
APPROVED BUDGET	Approved Budget											
	Original Budget Approved	17,445	-	-	-	-	-	-	-	-	-	17,445
	2015 Cap Carry Forward	962	-	-	-	-	-	-	-	-	-	962
	2016 Cap Carry Forward	-	-	-	-	-	-	-	-	-	-	-
	2017 Cap Council	-	-	-	-	-	-	-	-	-	-	-
	2017 Cap Capital Budget Adj (one-off)	-1,950	-	-	-	-	-	-	-	-	-	-1,950
	2017 Cap Carry Forward	-2,580	-	-	-	-	-	-	-	-	-	-2,580
	2018 Cap Administrative	-736	-	-	-	-	-	-	-	-	-	-736
	2018 Cap Carry Forward	-	-	-	-	-	-	-	-	-	-	-
	2018 Cap Release to Corp Pool	-510	-	-	-	-	-	-	-	-	-	-510
	2019 Cap Release to Corp Pool	-12	-	-	-	-	-	-	-	-	-	-12
Current Approved Budget	12,620	-	-	-	-	-	-	-	-	-	12,620	
Approved Funding Sources												
Post Closure Funding	-	-	-	-	-	-	-	-	-	-	-	
Self-Liquidating Debentures	12,620	-	-	-	-	-	-	-	-	-	12,620	
Current Approved Funding Sources	12,620	-	-	-	-	-	-	-	-	-	12,620	

BUDGET REQUEST	2024	2025	2026	2027	2028	2029	2030	2031	2032	Beyond 2032	Total
Budget Request	-	-	-	-	-	-	-	-	-	-	-

REVISED BUDGET (IF APPROVED)	2024	2025	2026	2027	2028	2029	2030	2031	2032	Beyond 2032	Total
Revised Budget (if Approved)	12,620	-	-	-	-	-	-	-	-	-	12,620
Requested Funding Source											
Post Closure Funding	-	-	-	-	-	-	-	-	-	-	-
Self-Liquidating Debentures	12,620	-	-	-	-	-	-	-	-	-	12,620
Requested Funding Source	12,620	-	-	-	-	-	-	-	-	-	12,620

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2024	2025	2026	2027	2028	2029	2030	2031	2032	Beyond 2032	Total
	Construction	12,620	-	-	-	-	-	-	-	-	-	-	12,620
	Total	12,620	-	-	-	-	-	-	-	-	-	-	12,620

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-