



Landfill CIP

January 7, 2020





Overview

- Overview of Landfill Capital Improvement Plan (CIP)
- Review General Obligation (G.O.) Bond Funded Projects
- Committee Discussion and Questions



Landfill CIP by Project

Project #	Project Title	CARRYOVER	FY20	FY21	FY22	FY23	FY24	FY25-29	Grand Total
CIPLF19019	LANDFILL COMPACTOR REPLACEMENT	\$0	\$0	\$600,000	\$1,400,000	\$0	\$0	\$2,100,000	\$4,100,000
CIPLF19024	BULLDOZER REPLACEMENTS AND REBUILDS	\$0	\$0	\$0	\$1,300,000	\$1,400,000	\$0	\$1,900,000	\$4,600,000
CIPLF19025	NORTH CELL LINER	\$0	\$0	\$150,000	\$7,400,000	\$150,000	\$0	\$3,000,000	\$10,700,000
CIPLF19090	LANDFILL MOTOR GRADER REPLACEMENT	\$0	\$0	\$0	\$0	\$0	\$650,000	\$0	\$650,000
CIPLF19091	LANDFILL SCRAPER EQUIPMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$1,900,000	\$1,900,000
CIPLF20009	CLOSED LANDFILL	\$0	\$100,000	\$475,000	\$0	\$0	\$0	\$0	\$575,000
CIPLF78503	LANDFILL CLOSURE (SOUTH)	\$0	\$125,000	\$350,000	\$500,000	\$125,000	\$125,000	\$750,000	\$1,975,000
CIPLF78505	LF PHASE CONSTRUCTION (NORTH)	\$0	\$4,600,000	\$100,000	\$100,000	\$2,400,000	\$2,800,000	\$4,500,000	\$14,500,000
CIPLF78506	LANDFILL 4x4 REPLACEMENT TRUCKS	\$73,958	\$35,000	\$0	\$35,000	\$0	\$0	\$150,000	\$293,958
CIPLF78512	FUEL TANKER REPLACEMENT	\$197,600	\$225,000	\$0	\$0	\$0	\$0	\$250,000	\$672,600
CIPLF78514	SOLID WASTE INSPECTION TRUCKS	\$28,915	\$23,711	\$23,711	\$0	\$0	\$0	\$75,000	\$151,337
CIPLF78522	LANDFILL WATER PULL/TRUCK	\$0	\$0	\$742,000	\$0	\$0	\$0	\$316,000	\$1,058,000
CIPLF78528	NORTHERN AVE IMPROVEMENTS (MCDOT)	\$247,725	\$0	\$0	\$0	\$0	\$0	\$0	\$247,725
CIPLF78532	AUXILIARY EQUIPMENT	\$54,891	\$0	\$29,685	\$0	\$30,000	\$0	\$65,000	\$179,576
CIPLF78534	STORMWATER CONTROLS	\$735,438	\$269,223	\$280,000	\$280,000	\$290,000	\$300,000	\$800,000	\$2,954,661
CIPLF78535	LANDFILL GAS EXTRACTION SYSTEM	\$60,000	\$220,000	\$270,000	\$400,000	\$500,000	\$300,000	\$1,200,000	\$2,950,000
Grand Total		\$1,398,527	\$5,597,934	\$3,020,396	\$11,415,000	\$4,895,000	\$4,175,000	\$17,006,000	\$47,507,857



Landfill CIP by Funding Source

Funding Source	CARRYOVER	FY20	FY21	FY22	FY23	FY24	FY25-29	Grand Total
6110-Landfill	\$1,398,527	\$5,845,659	\$3,020,396	\$11,415,000	\$4,895,000	\$4,175,000	\$17,006,000	\$47,755,582
Grand Total	\$1,398,527	\$5,597,934	\$3,020,396	\$11,415,000	\$4,895,000	\$4,175,000	\$17,006,000	\$47,507,857



Landfill G.O. Bond

- G.O. bond debt
 - Use full-faith and credit of the City
 - Lower borrowing cost
 - Principal and interest paid by the Landfill Fund
- Capital Projects
 - Landfill North Cell Construction
 - North Cell Liner



Landfill Phase Construction (North)

Project Number:CIPLF78505

Project Description

Soil excavation for the North Cell includes stockpiling of dirt as required for the construction of the North Cell and continued operation and closure of the South Cell, engineering design, engineered fill contingency, and soil excavation provided by in-house personnel. Project includes phased soil preparation, liner installation, a leachate and gas collection system construction and placement of soil protective cover over the bottom liner system.

Justification

Mandated per regulatory agency requirements for the continued development of the Glendale Municipal Landfill.

Category	Funding Source	FY20	FY21	FY22	FY23	FY24	FY25-29	Grand Total
CONSTRUCT	6110-Landfill	\$4,500,000	\$0	\$0	\$2,300,000	\$2,700,000	\$4,200,000	\$13,700,000
DESIGN	6110-Landfill	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$300,000	\$800,000
Grand Total		\$4,600,000	\$100,000	\$100,000	\$2,400,000	\$2,800,000	\$4,500,000	\$14,500,000



North Cell Liner

Project Number:CIPLF19025

Project Description

Project is for design/construction of the liner for North Cell (Phases 1 and 2) Glendale Municipal Landfill. This liner provides a protective barrier to prevent migration/potential groundwater contamination, required by the City's permit with Arizona Department of Environmental Quality (ADEQ). Includes cost of ADEQ review/permitting FY 2021 (Phase 1) FY 2023 (Phase 2). Includes construction costs of Phase 1 (FY 2023) Phase 2 (FY 2025).

Justification

Liners are required per ADEQ's regulatory review and permitting process.

Category	Funding Source	FY20	FY21	FY22	FY23	FY24	FY25-29	Grand Total
CONSTRUCT	6110-Landfill		\$0	\$7,400,000	\$0		\$3,000,000	\$10,400,000
DESIGN	6110-Landfill		\$150,000	\$0	\$150,000		\$0	\$300,000
Grand Total			\$150,000	\$7,400,000	\$150,000		\$3,000,000	\$10,700,000



Questions?