

828260 - SMaRT Post-2021 Rebuild

Originating Year:	2009	Project Type:	Solid Waste	Department:	270 - Environmental Services
Planned Completion Year:	2024/25	Category:	Infrastructure	Project Manager:	Deepti Jain

Project Description/Scope/Purpose

This project upgrades the city-owned Sunnyvale Materials Recovery and Transfer Station (SMaRT Station) with new sorting and recycling equipment. This facility operated for 30 years by FY 2023/24. At the present time, the facility serves Sunnyvale and Mountain View under a Memorandum of Understanding (MOU) that expires in 2036. The preliminary cost estimate for design, installation, and construction is in the range of \$33 to \$38 million. The retrofit project will increase the organics diversion, help us embrace cutting-edge recycling technologies, become a power-efficient facility, prepare for a more sustainable future and it will optimize efficiencies using automation. The project will entail installing optical sorters, separators and screens, metering bins, compactor, and other equipment. The project is expected to be complete by the Summer of 2025. The estimate will be reviewed and confirmed in the final design stage of the project. It also includes facility infrastructure upgrades including, but not limited to resurfacing of the tip floor, new electrical service line, and other building upgrades.

Project Evaluation and Analysis

The upgrades will retrofit the existing facility that has been in operation for 30 years. The original 1994 National Recovery Technologies (NRT) mixed waste processing equipment line was replaced in a 2009 infrastructure project. The SMaRT Station exists in a corrosive bay-side environment and feasibility studies show that the metal building and much of the equipment it houses are in need of replacement. It will be designed to match the anticipated delivery quantities and needs of the ongoing facility participants. This will include (1) continued truck transfer to Kirby Canyon Landfill and/or another landfill, and (2) preparation of incoming waste for some to-be-determined waste conversion or energy recovery process.

Fiscal Impact

The design and construction of the \$34M project will be funded by the sale of bonds. Debt service on the bonds is anticipated to be approximately the same (after inflation) as current SMaRT Station debt service costs. Facility participants other than Sunnyvale will pay proportional shares of the debt service in a manner to be described in a new MOU or other participation agreement.

Funding Sources

SMaRT Station Equipment Replacement Fund

Plans and Goals

EM - Environmental Management - EM-15: Environmentally-Sound Disposal

Project Financial Summary

	Project Costs	Revenues	Operating Costs
Prior Actual	5,010,405	-	-
2024-25	29,667,311	30,393,497	-
2025-26	16,735,288	-	-
2026-27	-	-	-
2027-28	-	-	-
2028-29	-	-	-
2029-30	-	-	-
2030-31	-	-	-
2031-32	-	-	-
2032-33	-	-	-
2033-34	-	-	-
2034-35	-	-	-
2035-36	-	-	-
2036-37	-	-	-
2037-38	-	-	-
2038-39	-	-	-
2039-40	-	-	-
2040-41	-	-	-
2041-42	-	-	-
2042-43	-	-	-
2043-44	-	-	-
2044-45	-	-	-
20 Year Total	16,735,288	-	-
Grand Total	51,413,004	30,393,497	-