

RESOLUTION 018-21

Adopting the 2022-2026 Capital Improvement Plan as a financial forecasting document for SWACO's budgetary and planning process.

SWACO staff developed a 2022-2026 Capital Improvement Plan ("Plan") for capital projects and improvements relating to the ongoing operation and maintenance of the Franklin County Sanitary Landfill, two (2) SWACO transfer stations, Model Landfill, and other infrastructure improvements. The spending plan is subject to change based on available resources, financing options available, and actual operating conditions encountered.

SWACO staff is recommending the adoption of the Plan, attached hereto as "Exhibit A," as a financial forecasting document for SWACO's budgetary and planning process.

Requested by: Jeff Wilkins, Director of Administration

BE IT RESOLVED by the Board of Trustees of the Solid Waste Authority of Central Ohio that:

1. The SWACO Board of Trustees adopts the 2022-2026 Capital Improvement Plan, attached hereto as "Exhibit A," as a financial forecasting document for SWACO's budgetary and planning process.
2. This resolution shall be in full force and effect from and immediately upon its adoption.

Date Adopted: May 11, 2021

Vote:
For: 8 Against: 0 Abs: 0

Susan A Tilgner

Susan Tilgner
Madam Chair, Board of Trustees

Danielle Kuskowski

Danielle Kuskowski, Secretary

**Rebecca
Egelhoff**

Digitally signed by
Rebecca Egelhoff
Date: 2021.06.14
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Approved as to Form:

Rebecca L. Egelhoff, Managing Counsel

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Exhibit A

2022-2026 CAPITAL IMPROVEMENT PLAN

Project Description	Major Category	2022
Transitional Cover	Cell Construction	\$ 735,990
South Haul Road	Cell Construction	520,000
Geomembrane Cover - pending study	Cell Construction	-
FCSL Gas Collection and Control system (GCCS)	Landfill Gas	1,186,295
Gas Well Water Removal System Additions at the FCSL	Landfill Gas	80,000
Model Landfill Gas Collection and Control System (GCCS)	Model Landfill	250,000
Morse Road Transfer Station Storm Water Drainage Modifications	Transfer Station Receiving Improvements	2,555,400
Morse Road Transfer Station Compactor	Transfer Station Receiving Improvements	4,351,702
Buildings - Fleet and Operations Maintenance	Landfill Improvements	8,777,008
Buildings - Administrative Office Building (AOB) and Education Resource Center (ERC)	Building Improvements	99,047
Unassigned	Unassigned	-
Total		\$ 18,555,442

Project Description	Major Category	2022	2023	2024	2025	2026	Total
Phase H6 Separatory Liner	Cell Construction	\$ -	\$ -	\$ 3,059,126	\$ -	\$ -	\$ 3,059,126
H8B	Cell Construction	-	106,090	1,962,665	3,666,252	-	5,735,007
H8A	Cell Construction	-	-	-	2,185,454	4,061,392	6,246,846
Sod Prequalification	Cell Construction	-	100,000	150,000	-	-	250,000
Landfill Site Development Plan	Cell Construction	-	100,000	2,920,260	3,556,201	3,135,552	9,712,014
Transitional Cover	Cell Construction	735,990	49,066	49,066	-	245,330	1,079,452
South Haul Road	Cell Construction	520,000	-	-	-	-	520,000
Geomembrane Cover - pending study	Cell Construction	-	7,755,000	-	-	-	7,755,000
FCSL Gas Collection and Control system (GCCS)	Landfill Gas	1,186,295	700,000	1,245,240	500,000	500,000	4,131,535
Gas Well Water Removal System Additions at the FCSL	Landfill Gas	80,000	82,400	84,872	87,415	90,041	424,731
Model Landfill Gas Collection and Control System (GCCS)	Model Landfill	250,000	-	-	-	-	250,000
Morse Road Transfer Station Storm Water Drainage Modifications	Transfer Station Receiving Improvements	2,555,400	-	-	-	-	2,555,400
Morse Road Transfer Station Compactor	Transfer Station Receiving Improvements	4,351,702	1,000,000	-	-	-	5,351,702
Buildings - Fleet and Operations Maintenance	Landfill Improvements	8,777,008	2,007,068	-	-	-	10,784,076
Buildings - Administrative Office Building (AOB) and Education Resource Center (ERC)	Building Improvements	99,047	505,255	1,490,796	422,897	-	2,517,995
Unassigned	Unassigned	-	-	-	-	-	-
Total		\$ 18,555,442	\$ 12,404,879	\$ 10,962,025	\$ 10,418,223	\$ 8,032,315	\$ 60,372,884



Resolution Summary

Resolution 018-21: Adopting the 2022-2026 Capital Improvement Plan as a financial forecasting document for SWACO's budgetary and planning process.

Requested by: Jeff Wilkins, Director of Administration

Description

This resolution allows capital projects to be funded according to the schedule in Exhibit A of the resolution.

Purpose

The purpose of the Capital Improvement Plan ("Plan") is to serve as a planning tool and to set funding budgets for specified capital projects that are necessary to support SWACO's mission.

Strategic Priority

This resolution allows SWACO to maintain air space for the district's waste stream and in compliance with all permits. This resolution supports our vision of "A community that is environmentally safe and resourceful."

Background and History

SWACO's mission, strategic plan, and landfill operating obligations necessitate the identification, planning, and completion of capital projects. Once these projects are evaluated and approved, criteria such as cost and useful life determine whether funding will be provided by operating funds or debt financing.

Process Used

The Plan is maintained by staff throughout the year, is reviewed by the Audit and Finance Committee quarterly, and is presented to the Board of Trustees for adoption annually.

Capital Improvement Plan Narrative for 2022

Transitional Cover: As waste is placed achieving permitted top of waste grades, the exterior slopes are required to be covered with transitional cover. Transitional cover is a 24" thick layer of low permeable soil that supports vegetation.

South Haul Road: This project is required once the south slope 3:1 fill operation are complete. With the approval of the new PTI, SWACO is permitted to steepen the slopes around the previously filled perimeter. The current haul road along the south slope will need to be relocated upon completion of filling operations. This project is to be coordinated with the Geomembrane Cover Project, see below. Depending on the outcome of the 2021 study, the South Haul Road scope and timing could change.

Geomembrane Cover: Pending Study: Upon completion of filling the south slope to the newly permitted 3:1 slopes, there will be a significant portion of the landfill at final permitted grade. While waste is still able to be placed at higher elevations, this portion of approximately 45 acres will not receive waste for a relatively long time. This is an opportunity for the landfill to put into practice SWACO's guiding principles. The south slope is highly visible along I-71. SWACO intends to evaluate the latest cover technologies to determine which solution is both innovative and fiscally responsible. A study will be underway in 2021 to determine the course of action for the future.

2022 Gas collection and control system ("GCCS"): This project is the annual construction to SWACO's gas collection and control system (GCCS) at Franklin County Sanitary Landfill (FCSL). The project consists of installing approximately twenty-nine (29) vertical gas wells, new and replacements, lateral vacuum lines, and air & force main lines. Note that additional wells may be necessary if identified within the next year. This project will serve as both a compliance requirement and assist in maintaining pro forma to Aria Energy.

Gas well water removal system additions at FCSL: This project will install dewatering pumps and air & force main piping to gas wells, as needed, which are watered in and will increase gas production as well as increase the life of the wells. Again, contributing to SWACO's mission by maintaining an efficient GCCS.

Model Landfill Gas collection and control system ("GCCS"): SWACO staff continues to evaluate Model Landfill's GCCS. In addition, the Solar Array Project is expected to present the initial design in the second quarter of 2021. Once that scope is reviewed and plans are complete, necessary updates to the system may need to be completed.

Morse Road Transfer Station ("MRTS") Storm Water Drainage Modifications: SWACO's Morse Road Eco-Station (MRES) services the City of Columbus and commercial waste haulers. The movement of garbage trucks and semi-trailers in and out of the building tracks waste out of the building and onto paved area on the north side of the transfer station. The storm water runoff comes in contact with the waste. A solution must be created to either treat the storm water before allowing it to leave the site or create a design to keep storm water from contacting the waste. SWACO leases the property from the City of Columbus and must coordinate any solution. This work will be combined with the Compactor Project, pending Board Approval.

Morse Road Transfer Station ("MRTS") Compactor: At the October 2, 2020 Board retreat, we talked how the transfer station operation supports an efficient flow of waste to the landfill, and the transfer station operation should roll-up under the landfill operation. Our goal is to preserve tipping fees by gaining efficiencies within the operation. The presentation today provides a phased approach and a solution for going forward for gained efficiencies. A decline in spending is possible with reductions in the capital equipment, reduce operational cost, maximize transfer loads to the landfill by installing a commercial trash compactor. The compactor is an accepted industry improvement that will increase the tonnage loaded in transfer trailers going to the landfill. Using a compactor at MRTS will increase floor space in the facility. Once proven, staff will assess Jackson Pike Transfer Station for the possibility of a compactor unit as well.

Buildings – Fleet and Operations Maintenance: To make room for increase of landfill airspace as approved through the Permit to Install (PTI), demolition of the existing Operations & Maintenance Building is planned by end of 2nd quarter of 2024. Building design begins in 2021, construction begins 2022 with completion in 1st quarter of 2024. The project includes additional square footage and partial renovation to the existing Fleet Building.

Buildings - Administrative Office Building (AOB) and Education Resource Center (ERC): With the demolition of the existing Operations & Maintenance Building, additional office space is needed to relocate certain managers and engineering staff. During the campus building and site planning process, we also evaluated the current and future functional needs of the AOB and ERC. This project includes additional square footage and partial renovation of the AOB. Phasing of this project is coordinated with the design and construction of the Operations & Maintenance Building.

Unassigned: Amounts in each year were comprised by taking approximately three percent (3%) of the total expenditures per that year. This methodology is what SWACO used with its 2021 Operating Budget per the contingency guideline established in the Ohio Revised Code.

Fiscal Impact

SWACO will work with its staff and the Audit and Finance Committee to determine the financing structure that will be in SWACO's best interest. Cash financing will be the primary source for the capital improvements. Further analysis will be provided by SWACO's financial team and financial advisory firm.