

**RESOLUTION 022-20**

Adopting the 2021-2025 Capital Improvement Plan as a financial forecasting document for SWACO's budgetary and planning process.

SWACO staff developed a 2021-2025 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, Buildings 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: David Logan, Accounting and Finance Manager

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 2021-2025 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 12, 2020

Vote: **7**
For: _____ Against: **0** Abs: **0**

Tracie Davies

Tracie Davies
Madam Chair, Board of Trustees

Danielle Kuskowski

Danielle Kuskowski, Secretary

Rebecca Egelhoff

Digitally signed by Rebecca Egelhoff
Date: 2020.05.26 09:49:36 -04'00'

Approved as to Form:

Rebecca L. Egelhoff, Managing Counsel

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Exhibit A

2021-2025 CAPITAL IMPROVEMENT PLAN

Project Description	Major Category	2021
H5B	Cell construction	\$ 8,032,500
Transitional cover	Cell construction	423,310
2021 FCSL Gas collection and control system (GCCS)	Landfill gas	763,599
Gas well water removal system additions at the FCSL	Landfill gas	75,000
New Resident Pad and Road Improvements	Landfill improvements	2,087,165
Model Landfill development	Model Landfill	500,000
Model Landfill Gas Collection and Control System (GCCS)	Model Landfill	300,000
MRES Storm Water Drainage Modifications	Transfer station/receiving improvements	573,000
Buildings - Ops & Maintenance	Landfill improvements	655,091
Buildings - AOB & ERC	Building improvements	280,753
Unassigned	Unassigned	410,713
Total		\$ 14,101,132

Project Description	Major Category	2021	2022	2023	2024	2025	Total
H5B	Cell construction	\$ 8,032,500	-	-	-	-	\$ 8,032,500
Phase H6 Separatory Liner	Cell construction	-	-	2,883,520	-	-	2,883,520
H8B	Cell construction	-	-	-	1,950,000	3,255,140	5,205,140
Soil Prequalification	Cell construction	-	-	140,000	20,000	140,000	300,000
Landfill Site Development Plan	Cell construction	-	-	100,000	2,920,260	-	3,020,260
Transitional cover	Cell construction	423,310	-	122,933	97,662	24,848	668,753
2021 FCSL Gas collection and control system (GCCS)	Landfill gas	763,599	726,920	1,445,240	757,255	386,870	4,079,884
Gas well water removal system additions at the FCSL	Landfill gas	75,000	75,000	75,000	75,000	75,000	375,000
New Resident Pad and Road Improvements	Landfill improvements	2,087,165	-	-	-	-	2,087,165
Model Landfill development	Model Landfill	500,000	-	-	-	-	500,000
Model Landfill Gas Collection and Control System (GCCS)	Model Landfill	300,000	150,000	-	-	-	450,000
MRES Storm Water Drainage Modifications	Transfer station/receiving improvements	573,000	-	-	-	-	573,000
Buildings - Ops & Maintenance	Landfill improvements	655,091	2,842,740	2,842,740	2,536,096	134,217	9,010,885
Buildings - AOB & ERC	Building improvements	280,753	82,946	82,946	1,735,682	1,679,481	3,861,808
Unassigned	Unassigned	410,713	116,328	230,771	302,759	170,867	1,231,437
Total		\$ 14,101,132	\$ 3,993,934	\$ 7,923,151	\$ 10,394,713	\$ 5,866,423	\$ 42,279,353

Brief Summary of Resolution

Resolution 022-20: Adopting the 2021-2025 Capital Improvement Plan as a financial forecasting document for SWACO’s budgetary and planning process.

Requested by: David Logan, Accounting and Finance Manager

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 2021

HSB: This project will start in 2020 and be completed in 4Q of 2021. This project will construct 22 acres of cell bottom and 6.6 acres of separatory liner that will be approved for waste placement. This construction project will include the necessary earthwork, infrastructure, and cell components to maintain operational approval from the Ohio Environmental Protection Agency (OEPA).

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. This project serves SWACO’s mission by contributing to a safe & healthy community. Proper installation of transitional cover will provide a suitable cover over the waste until a final cap is installed.

2021 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 eight (8) new vertical gas wells, thirteen (13) vertical gas well replacements, gas header, and air & force main lines. Note that additional wells may be necessary if identified within the next year.

The GCCS construction projects encompass all four of SWACO’s guiding principles. The partnership with Aria Energy has been a successful collaboration that allows FCSL to operate with innovation to leverage the waste stream for economic benefit. Since maintaining an efficient GCCS is a compliance requirement, SWACO is contributing to a safe and healthy community by collecting greenhouse gases.

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.

New Resident Pad and Scale Road Improvements: This is a new project involving several improvements to operate the community’s public landfill to be a safe and accessible asset. These improvements are as follows: 1.) Construct a public resident pad, 2.) Replace sections of concrete on the existing landfill entrance road, 3.) Construct a northern road extension for facilitating traffic flow to the future Phase H8 cell, and 4.) Slope remedial activities to promote drainage and reduce erosion.

Model Landfill Development: In 2020, SWACO’s partner will continue the next phase of the solar project at Model Landfill. At this time, construction plans have not been developed for the project. This project allows for any SWACO related construction needed to be performed prior to the solar panel project.

This project is specifically listed as one of SWACO’s short-term goals. Further, this project touches on all SWACO’s guiding principles. A successful solution will most likely require collaboration with public and/or private partners, be innovative, leveraging the site for economic benefit, while contributing to a safe and healthy community.

Model Landfill Gas Collection and Control System (“GCCS”): SWACO staff will evaluate the assessment of Model Landfill’s GCCS in 2020. Once the “Model Landfill Development” scope is complete, and plans are complete, necessary updates to the system will need to be completed.

Morse Road Eco-Station (“MRES”) 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 project serves SWACO’s mission by contributing to a safe & healthy community.

Buildings – 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 – Administration Office Building (AOB) & Education Resource Ctr (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.

Fiscal Impact

For 2021, cash on hand will be the primary funding source for the capital improvements. For 2022 - 2025, further financial and debt analysis will be completed by SWACO's financial team and financial advisory firm.