

DPW Bureau of Solid Waste

FY 2026-2031 CIP
January 16, 2025



BALTIMORE CITY
DEPARTMENT OF
PUBLIC WORKS

Department of Public Works

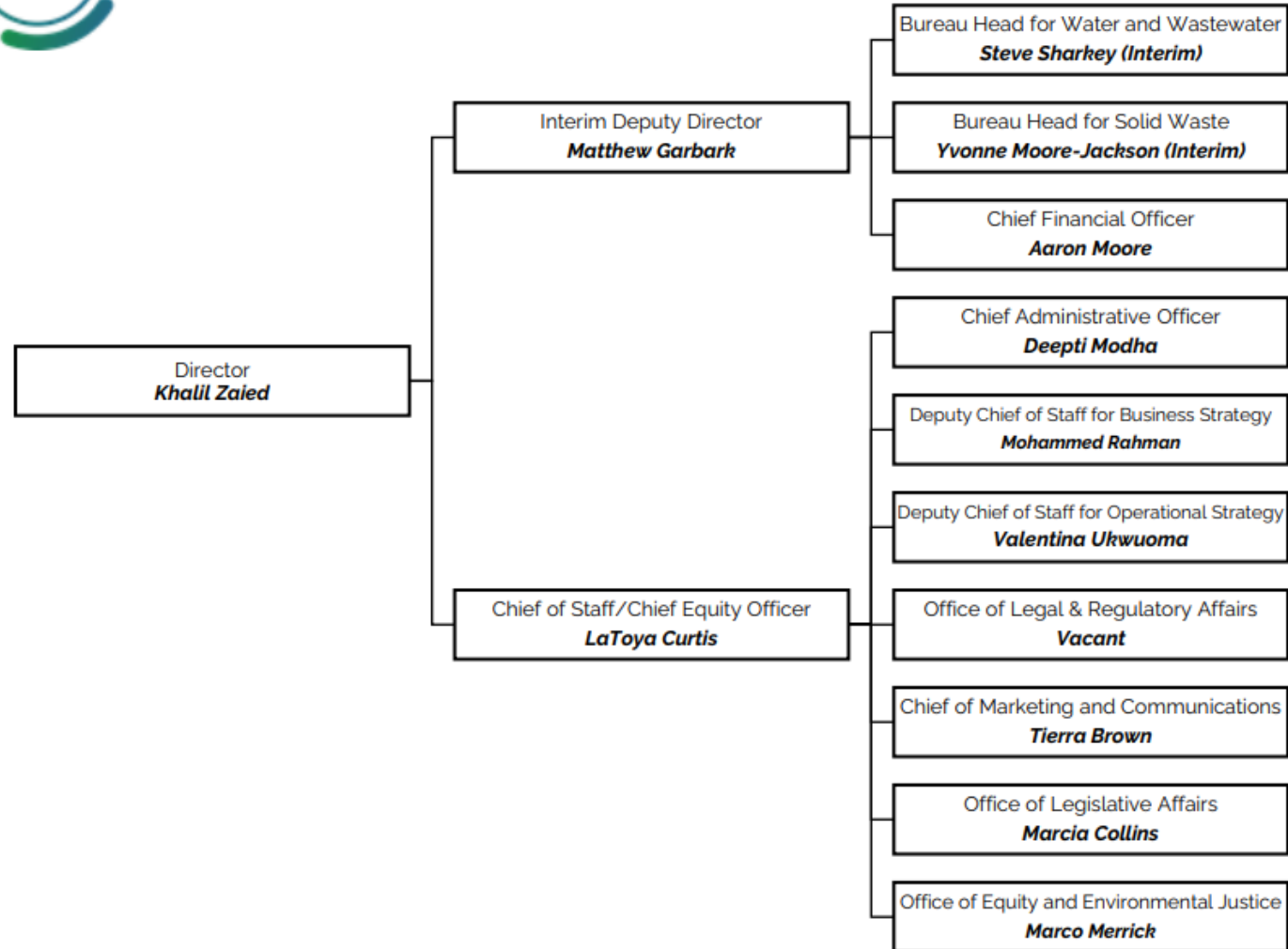
Mission: We support the health, environment, and economy of the City and region by providing customers with safe drinking water and keeping our neighborhoods and waterways clean.

Vision: To be a strong proponent and protector of our environment and the health and vitality of our communities.





Executive Leadership Team Organizational Chart



FY 2025 Operating Budget

DPW's Fiscal 2025 funding allocation is over \$732 million.

The breakdown of DPW's funding across the bureaus is below*:

DPW Bureaus	FY 25 Funding (\$)
Bureau of Solid Waste	134,335,014
Bureau of Water & Wastewater	338,174,021
DPW Administration	259,999,535

*Funding amounts provided by Workday which may differ from funding allocations found in Baltimore City's Fiscal 2025 Ordinance of Estimates due to budget amendments and/or revisions.

FY 2025 Capital Budget

DPW's Fiscal 2025 funding allocation is \$399 million.

The breakdown of DPW's funding across the bureaus is below:

DPW Bureaus	FY 25 Funding
Bureau of Solid Waste	7,250,000
Bureau of Water & Wastewater	392,128,054

Bureau Assets

Landfill

- Quarantine Road

Transfer Station

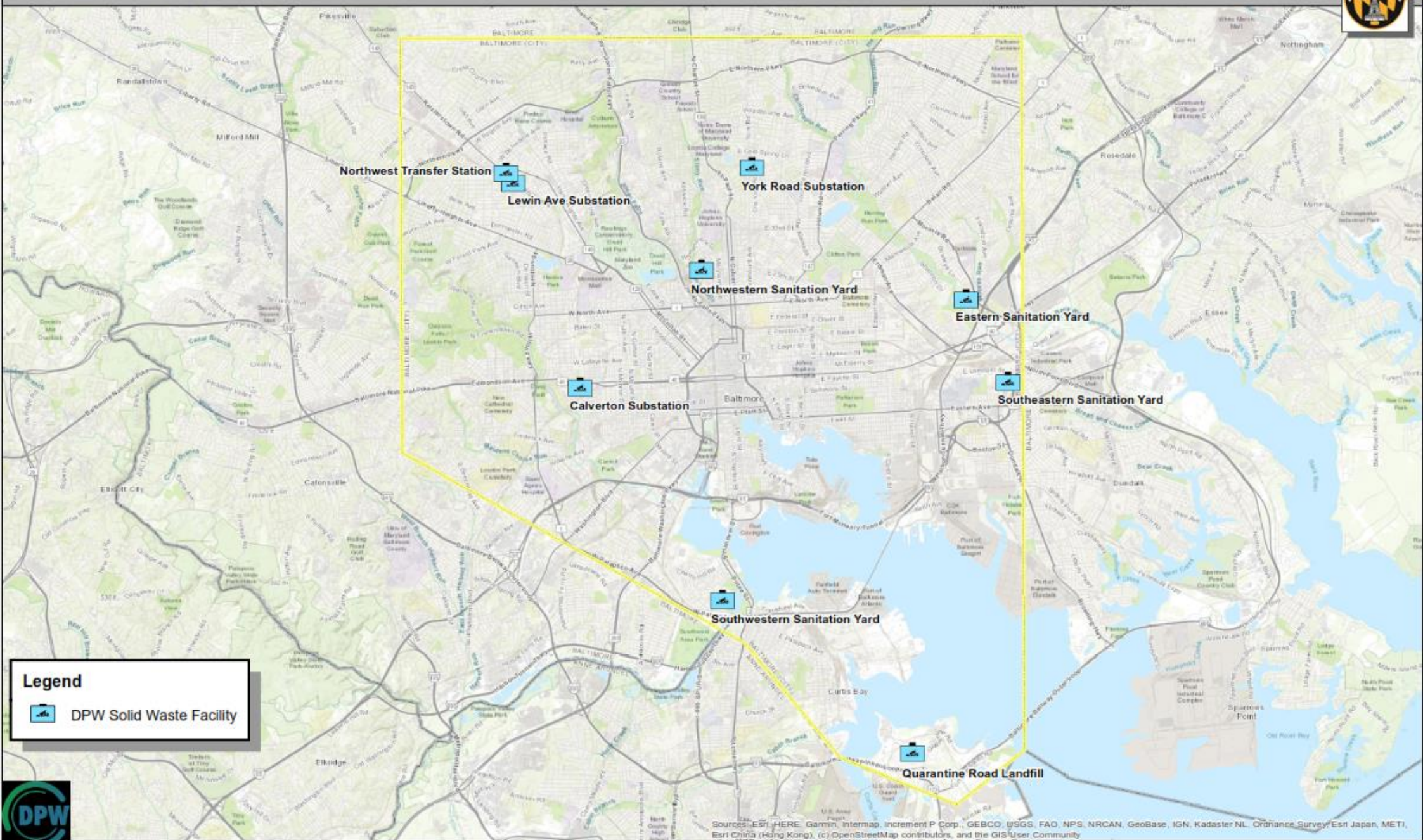
- Northwest

Solid Waste Sanitation Yards

- Kane Street
- Reedbird
- Bowleys Lane

Residential Recycling Center

- Sisson Street
- Bowley's Lane
- Reedbird
- Quarantine Rd
- Northwest Transfer Station



Legend

 DPW Solid Waste Facility



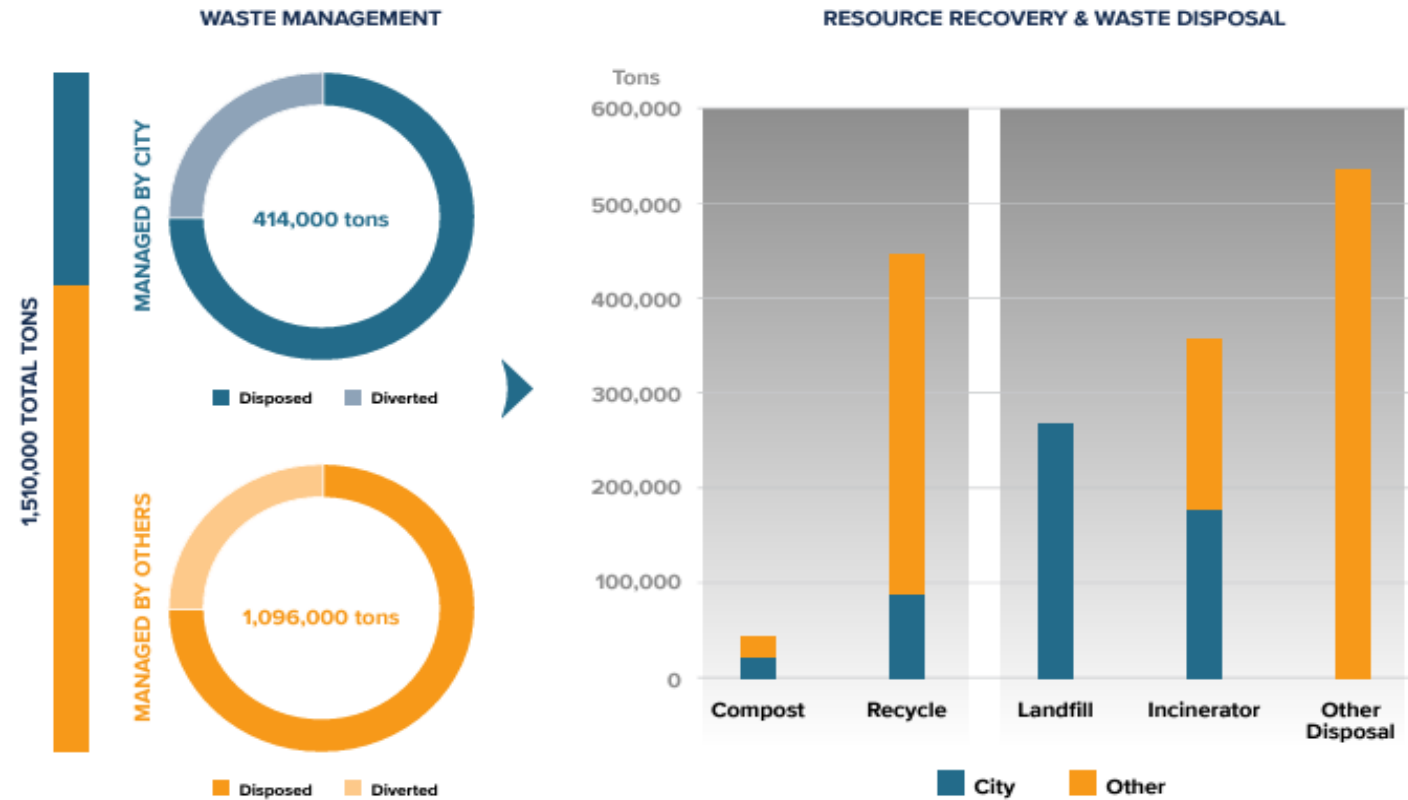


Bureau of Solid Waste



BALTIMORE CITY WASTE STREAMS AT A GLANCE

Approximately 1.5 million tons of material traveled through Baltimore's waste and resource recovery streams in 2021. The graph below shows the tons of waste managed between the public and private sectors and the percentage of resources that are diverted for each. The graph also depicts where resources and waste are recovered or disposed.



Strategic Planning

- The Bureau of Solid Waste has two primary strategic planning documents: Less Waste Better Baltimore and the Baltimore City 10 Year Solid Waste Management Plan (SWMP). These plans consolidate goals for managing the City's solid waste stream, assess the existing solid waste collection systems, current and future disposal capacity needs, and how zero waste strategies like reuse, recycling, and composting can be implemented.

Recent Accomplishments

- Millennium Soil Stockpile Excavation & Hauling (**PRJ002515**)
- Quarantine Road Landfill Leachate Collection System (**PRJ001820**)
- Northwest Transfer Station Exhaust Fan Installation (**PRJ001572**)



Millennium Soil Stockpile Excavation & Hauling

This project will remove 300,000 cubic yards of soil stockpiled at the closed Millennium Landfill. This project serves two purposes; daily the soil is transported for daily cover at QRL and prepares the site for the new cell as part of the landfill expansion project.

Total cost - \$5M

Funding Sources – GO Bonds

Completion Date – December 2027

Quarantine Road Landfill: Leachate Collection



Project Highlights

Maintenance of the Leachate collection system are continuous in landfills that can result in contaminated stormwater discharge if they are not immediately addressed. The Bureau of Solid Waste, through the MOU with the NMWDA funded through CIP, procure an experienced on-call contractor to provide leachate management services.



Intermediate Pump Station well with replaced connections.



Leachate collection pipe install with Y clean out between Intermediate Pump Station and Leachate Lagoons



Leachate collection pipe Y clean out

NW Transfer Station: Exhaust Fans Installation



Project Highlights

NWTS Exhaust Fan installation will complete the renovation started in 2019.

The exhaust fans will remove and filter air and debris from the tipping floor and office areas and exhaust them outside the facility. This project will allow for better air quality at the site.

Project is set for completion by February 2025



Current Projects

Quarantine Road Relocation



Project Highlights

Quarantine Road Landfill (QRL) is expected to reach capacity by FY 2027. This project aims to increase its capacity to 2048 by expanding over the Quarantine Road. It will involve relocating the existing road and utilities, which will be achieved in collaboration with DOP, DOT and BGE.



Project Finance

Current expansion costs are \$107.0 M, but resource and supply chain issues will likely influence the final construction cost.



Project Timeline / Roadmap

The initial expansion begins with construction for road relocation beginning in FY 2026. First cell construction will begin in FY 27 and finish in FY 28

Recent Appropriations for BSW Facilities



BSW Non-Landfill Facility CIP Funding	PRJ #	FY 23	FY 24	FY 25
Eastside Transfer Station	PRJ002517	\$4,958,000	\$500,000	
Solid Waste Facility Health and Safety	PRJ002510	\$1,500,000	\$250,000	\$1,500,000
SE Sanitation Yard Renovation (Kane)	PRJ002512	\$7,800,000		
Western Sanitation Yard Renovation (Reedbird)	PRJ002682	\$8,161,000		
Total		\$22,419,000	\$750,000	\$1,500,000



Southeastern Sanitation Yard Renovation

Project Highlights

Renovate the Kane Street facility, including roofing, parking, landscaping and drainage, electrical, lighting, HVAC, alarms and sensors, office space, locker rooms/ bathrooms, storage space, fueling stations, security, Ventilation (Airborne illness) & space concerns.



Project Finance

Current budget for design and construction costs are \$7.8 M



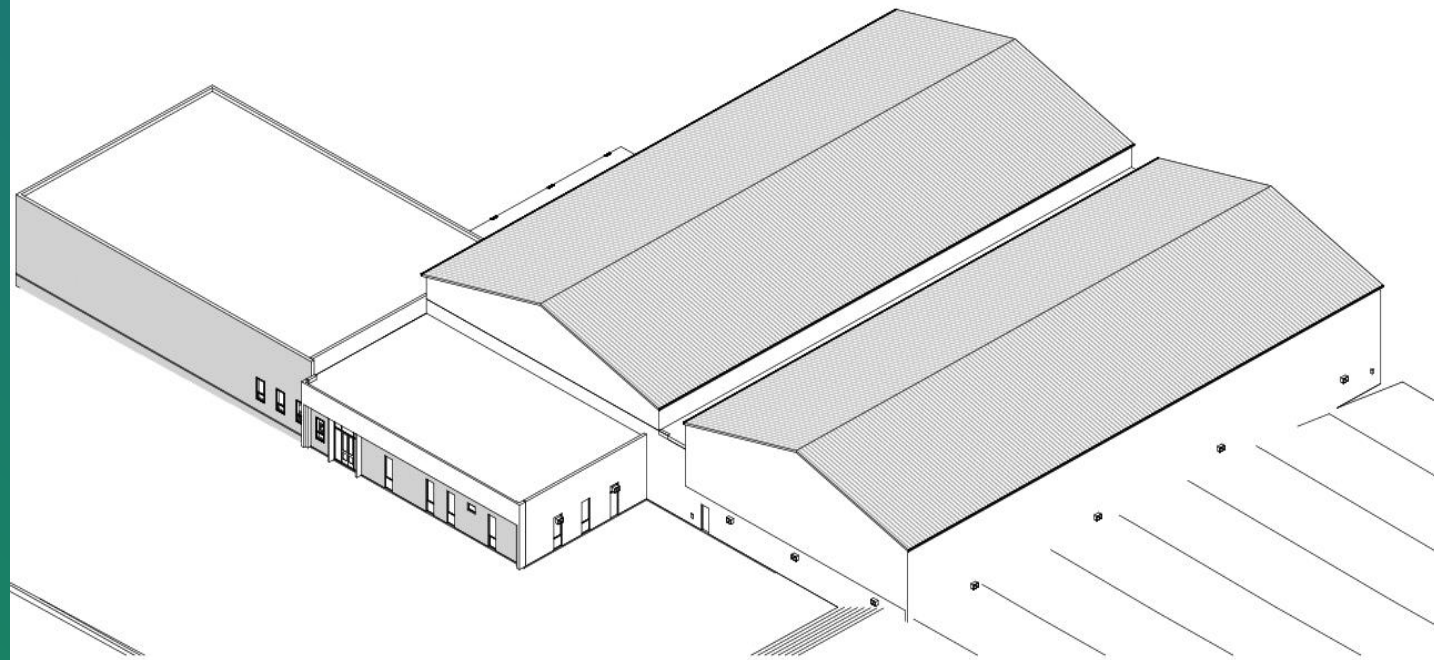
Project Timeline / Roadmap

The current timeline for design and construction is three (3) years. Construction to begin summer of 2025



KANE STREET SANITATION YARD

BALTIMORE, MD





Western Sanitation Yard Renovation



Project Highlights

Newly renovated Administration building to include new offices, conference room, connecting an additional Worker Facility building to include men and women bathroom's, common meeting/ training area and locker rooms, new parking areas for staff and load packers, truck wash and Upgrade of Residential Recycling Drop of location.



Project Finance

Current budget for design and construction costs are \$10 M



Project Timeline / Roadmap

The current timeline for design and construction is three (3) years. Construction to start summer 2025



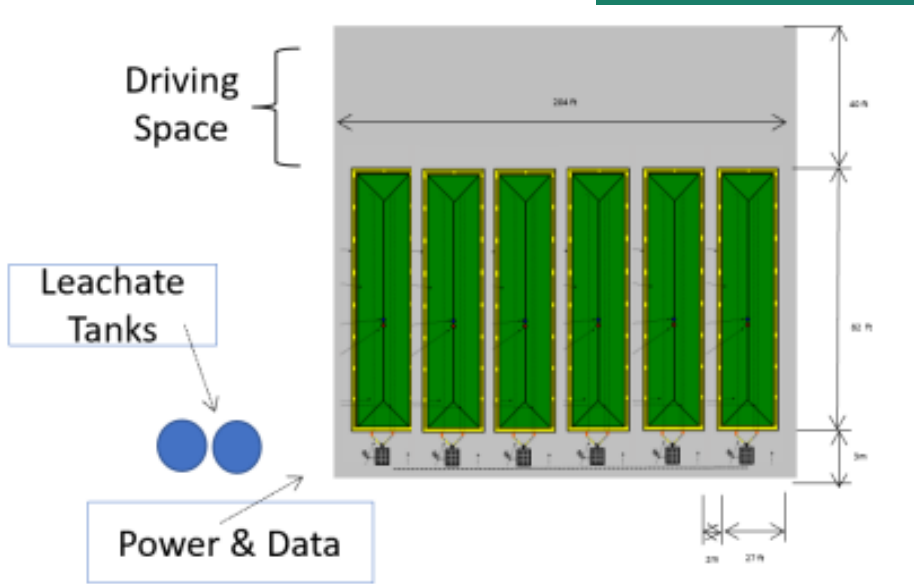
Eastern Sanitation Yard Men & Women Bathroom & Locker Rooms Renovations Updates

As Part of our commitment to improving the bathrooms and Locker rooms for the Eastside Sanitation Yard. The men's and women's bathroom and locker rooms are scheduled for renovations in February/March 2025. These upgrades will provide modern amenities to better serve BSW staff. Renovations consist of newly toilet and shower fixtures with improved water pressure and temperature controls, modernized lockers, a Lactation room- dedicated private space for nursing mothers, gender neutral bathroom, and updated HVAC unit. These renovations aim to create a more comfortable and welcoming environment for the staff.

Total Cost – \$418,000

Funding Sources – ARPA funding and CIP Health and Safety

Completion Date – July 2025



SG BUNKER® SYSTEM
Grand Forks, BC, Canada

Bowley's Lane ASP Compost Facility

Project Highlights

The "Less Waste, Better Baltimore" (LWBB) study recommends diversion of organic material by expanding the City's small-scale organics processing capacity by constructing four aerated static compost piles throughout the city. The first of the four will be constructed in conjunction with the Eastside Transfer Station at Bowley's lane site. DPW was selected for a \$4 million EPA SWIF R Grant (IIJA program) Purpose is to build a solar-powered composting facility. The current level of funding will develop the site at 50% capacity, or ~12k tons per year throughput. The total Site capacity is estimated at 24k tons per year.

Project Finance

Current design and construction costs are \$8M

Project Timeline / Roadmap

The current timeline for design and construction is three (3) years in conjunction with the East Side Transfer Station

FY 2026 Requests

Total: \$18.5 million

Sources: GO Bonds and/or General Funds

Title	PRJ #	Request (\$)
Quarantine Road Landfill Expansion	PRJ000188	3,000,000
Northwest Transfer Station	PRJ001572	500,000
Solid Waste Facility Health and Safety Improvements	PRJ002510	500,000
Solid Waste Regulatory Compliance Services	PRJ002515	2,000,000
Eastside Transfer Station	PRJ002517	12,500,000



Eastside Transfer Station



Project Highlights

The construction of a second Eastside Transfer Station will expand operational capacity, alleviate pressure from the Northwest Transfer Station, and allow crews to return to routes and tasks more quickly than before. The project will also include development of a compost facility, new resident and small hauler drop-off areas and staff facilities.



Project Finance

Current design and construction costs are \$70M
Available funds for development: \$8.4M



Project Timeline / Roadmap

The current timeline for design and construction is three (3) years

Eastside Transfer Station



Phased Development

Developing the Eastside Transfer Station is most economically viable through a phased approach to development

- **Phase I - \$24M**
 - Renovate the existing Administrative and Worker facilities,
 - Develop a Tier I Compost facility,
 - Restructure and update the RDOC,
 - Install one scale to service both composting and RDOC,
 - Update employee parking and truck parking areas,
 - Update and install new stormwater management systems
- **Phase II - \$5M**
 - Expansion of the Composting facility
- **Phase III - \$42M**
 - Full scale transfer station development



Design for all three phases is expected completion end of 2025



Northwest Transfer Station



Project Highlights

This request will address necessary maintenance replacing the tipping floor, safety concerns by installing radiation detectors, and operational efficiency through exploring RFDI system



Project Finance
Requesting \$500,000



Future Solid Waste CIP Requests

Project Name	PRJ #	FY27	FY28	FY29	FY30	FY31
Quarantine Road Landfill Expansion	PRJ000188	3,000,000				
Solid Waste Facility Health and Safety Improvements	PRJ002510	1,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Solid Waste Regulatory Compliance Services	PRJ002515	2,000,000	3,000,000	2,000,000	2,000,000	2,000,000
Eastside Transfer Station	PRJ002517	5,000,000				
Total Funding:		11,000,000	6,000,000	5,000,000	5,000,000	5,000,000

Long-Term Capital Needs

Project	PRJ #	Appropriation (in millions)
East Side Transfer Station (Phase II + III)	PRJ002517	\$ 47.00
Long Haul Transfer Solution	PRJ003117	\$ TBD
Construction & Demolition Recycling Center	TBD	\$ 25.00

Conclusion / Summary

The City's waste stream will continue to grow every year based on historical waste generation trends. Investment in different strategies is necessary to provide the Department with the flexibility to manage the City's future waste needs.

The proposed FY 26 capital projects will support the Bureau's ability to:

- Create a healthy and safe work environment for employees; and
- Continue to provide waste and recycling collection and disposal services;
- Quarantine Road Relocation and expansion of Quarantine Road landfill;
- Maintain regulatory compliance with State and Federal requirements;
- Pursue waste diversion initiatives



Questions?



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