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# Bureau of Waste Management Services

FY2024 Proposed Capital Budget (N-Class)  
Anne Arundel County Council Budget Hearing  
May 8, 2023, 9:00 a.m.



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# Summary of Solid Waste Program Requests

- The **FY 24 Department Request is \$26.6 million**, an increase of \$2.5 million from the approved program:
  - a. Additional \$0.5 million for planning projects (page 401);
  - b. Additional \$1.3 million for landfill buffer property acquisition (page 403); and
  - c. Additional \$0.7 million for the Subcell 9.3 construction phase due to latest cost estimates (page 404).
- Two existing projects are requesting funding in FY 29
- There are two new project requests



# N422700, SW Project Planning (p. 401)

## [Enhancement]

- N422700 SW Project Planning provides for planning level studies with preliminary engineering
- Resulting reports inform future projects and budgets
- \$500 thousand is requested in FY 24
- Notable work in FY 23
  - 10-Yr Solid Waste Mgmt Plan Update (2024-2033)
  - Enhanced Organics Collection Study
- Notable upcoming work includes:
  - Leachate Pretreatment Plant Enhancements
  - Capital Replacement Schedule for Landfill Gas-to-Electricity Plant



Enhanced Organics Processing Study  
MLF “What’s in the trash?” Sort, November 2022





# N526900, Solid Waste Renovations (p. 402)

## [Extend Life]

- The Solid Waste Enterprise cares for its own buildings, roads, sewer, and mechanical and electrical systems
- The FY 24 programmed request will fund:
  - Central Recycling Center drop-off area renovations
  - Pavement management in accordance with Century Engineering planning studies
  - MLF Blower/Flare Station roof replacements
- Funding of \$1.44 million is added for FY 29, consistent with the program

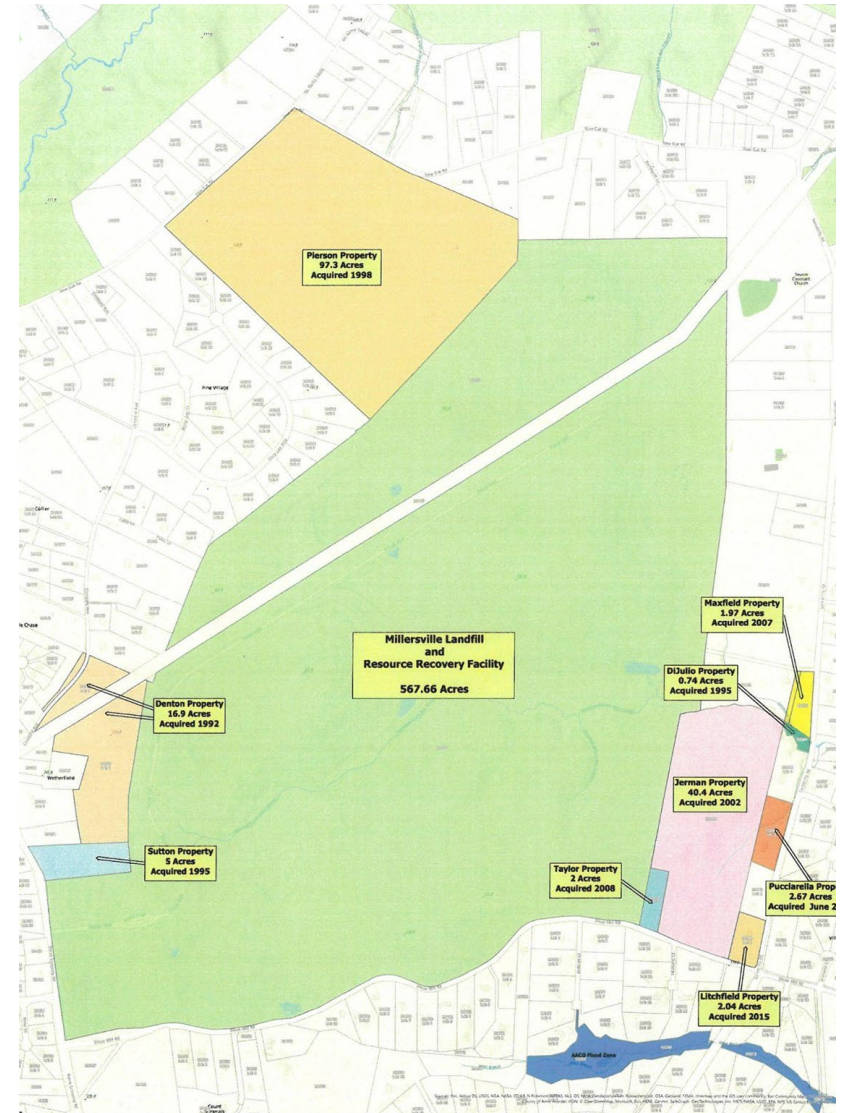


Millersville Landfill  
Warehouse Renovations (2022)



# N535400, Landfill Buffer Exp (p. 403) [Capacity]

- This project provides for the acquisition of property adjacent to the Millersville Landfill to expand the buffer between the facility and surrounding neighbors
- Properties have been used for compliance associated with landfill development such as tree planting and NPDES compliance
- \$1.3 million is requested in FY 24 to provide for the purchase of properties on the eastern boundary of the landfill campus expected to come available



Buffer Property Map





# N578800, MLF Subcell 9.3 Design/Const. (p. 404) [Capacity]

- Subcell 9.3 is the third phase of Cell 9 disposal area development
- Design funding was approved in FY 23, with construction funding programmed for FY 24
- There are no scope or timing changes
- Construction costs are increased by \$684 thousand based on current estimates, including the escalation rate (inflation of construction related costs) and overhead rate



Geosynthetic Bottom Liner Deployment - Subcell 9.2



# N581900, MLF-Cell 9 LFG Design/Constr (p. 405) [Regulatory]

- N581900 is for phased design and construction of Cell 9's landfill gas collection system
- Construction programmed for FY 2024:
  - Vertical wells in Subcell 9.1
  - Horizontal collection pipes in Subcell 9.2
- FY 2028/FY 2029 project includes:
  - Vertical wells in Subcell 9.2
  - Horizontal collection pipes in Subcell 9.3



Temporary Gas Collection System Install Subcell 9.1









# N000524, MLF Subcell 9.4 Design & Const (p. 407)

## [Capacity]



- Subcell 9.4 is the fourth phase of Cell 9 disposal area development
- Project is to provide phased waste disposal capacity at MLF
- Design funding of \$4.3 million is requested in FY 29
- A construction funding request will follow next year
- Current Cell 9 site life is estimated to be 2048 based on continued waste diversion strategies



MLF Cell 9 Disposal Area - Phased Development



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## Questions?

## Thank You

