



— *Making a difference, together* —

Anne Arundel County's Ten-Year Solid Waste Management Plan 2024-2033

Planning Advisory Board
July 26, 2023, 6:00 p.m.



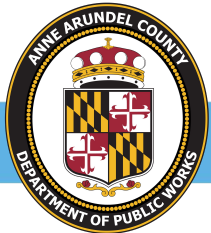
DPWandYOU.com | *Making a difference, together*



Presenters

DPW/Bureau of Waste Management Services

- Rhody Holthaus, Deputy Director
- Richard Bowen, Recycling and Waste Reduction Manager



Background

- State Law requires each County to adopt a comprehensive Solid Waste Management Plan that covers at least the succeeding Ten-Year period
- Plans must be consistent with the County's General Development Plan (GDP)
- Plans must provide for the systematic collection, processing and disposal of solid waste and meet Maryland Recycling Act goals
- An update to the 2013 Plan is due by the end of the calendar year 2023

Source : COMAR 26.03.03.02



Current Waste Management Program Status

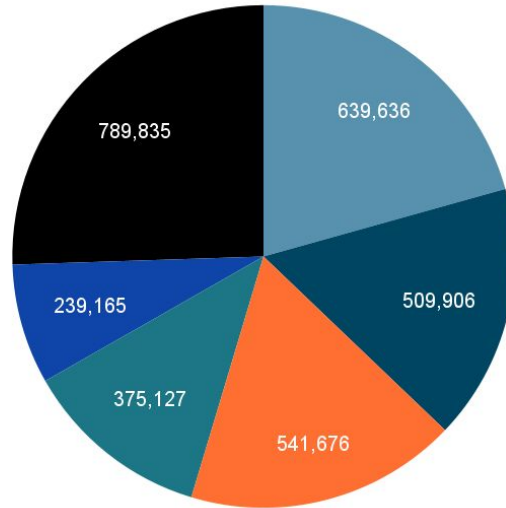
- Remaining permitted County landfill capacity estimated at 25 years
- Out-of-County disposal for curbside trash to continue for at least 10 years
- Curbside collected recycling averaging over 50,000 tons per year; efforts to “recycle right” have paid off and the material we collect remains desirable
 - New privately owned state-of-the-art recycling facility being developed in the region
- Recyclables captured at the County's Landfill and Recycling Centers, totaling over 75,000 tons, further reduces need for disposal



Recycling in Our Region

County Recyclables in Tons

Maryland Solid Waste Management and Diversion Report - 2022 (MDE)



MD Recycling Act (MRA)

MRA Required Rate = 35%

Anne Arundel MRA Rate = 40%

Anne Arundel Overall Rate = 45%

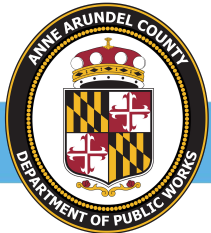
● Anne Arundel ● Baltimore City ● Baltimore ● Carroll ● Harford ● Howard



Solid Waste Management Plan Update

Plans follow a regulatory prescription, and are organized as follows:

- 1) Chapter 1 – Goals, Objectives and Policies
- 2) Chapter 2 – County Background
- 3) Chapter 3 – Solid Waste Management Systems
- 4) Chapter 4 – Assessment of Solid Waste Management Systems
- 5) Chapter 5 – Plan of Action



Required in COMAR 26.03.03

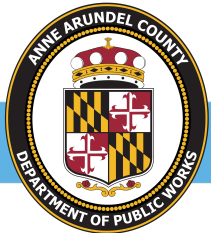
DPWandYOU.com | *Making a difference, together*



Plan Elements¹

Under State regulations, each County Plan must include:

- 1) Solid waste management goals, objectives and policies
- 2) Population projections
- 3) Waste generation statistics
- 4) Descriptions of public and private facilities
- 5) Description of recycling collection and disposal systems
- 6) Assessment of the solid waste disposal needs
- 7) Plan of action for the next 10 years



¹ Required in COMAR 26.03.03



Reviews

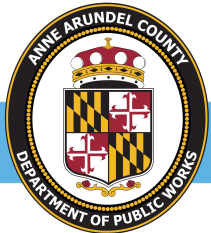
Draft Plan was provided to various parties for review and comment:

1. Anne Arundel County
 - a. Department of Health
 - b. Department of Inspections & Permits
 - c. Department of Public Works
 - d. Department of Recreation and Parks
 - e. Office of Law
 - f. Office of Planning & Zoning
2. Others
 - a. City of Annapolis
 - b. Northeast Maryland Waste Disposal Authority
 - c. Private facility owners



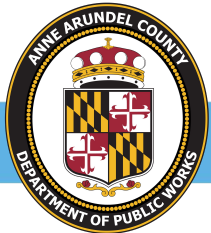
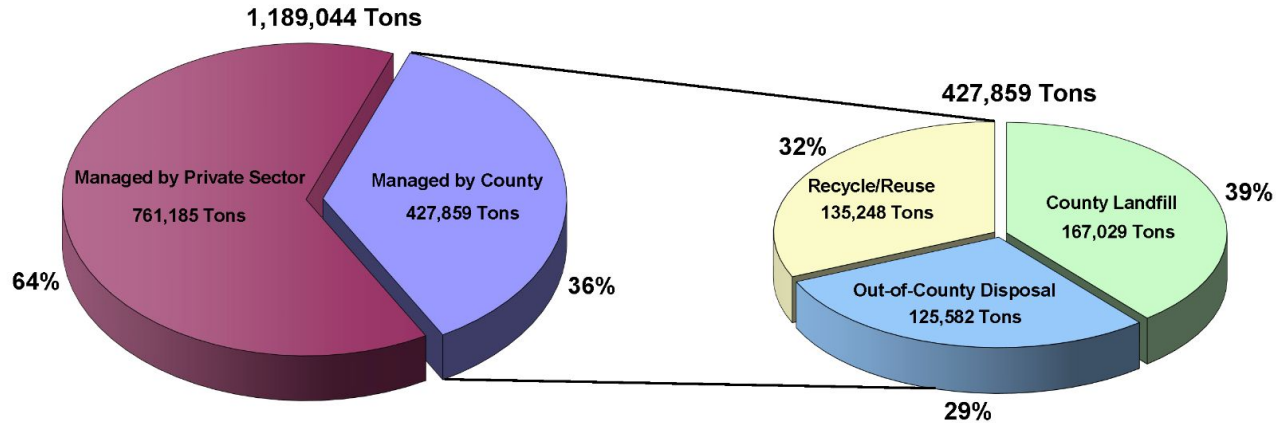
Plan Approval Process

- 1) Draft Plan submitted to MDE (complete)
- 2) Obtain MDE preliminary approval (complete)
- 3) Agency review, comment and revise as needed (complete)
- 4) PAB Review (in process)
- 5) Introduce Legislation
- 6) County Council Public hearing on the Plan
- 7) Legislative adoption of Plan
- 8) MDE issues final Plan approval (December 31, 2023)



Solid Waste Management

State of Maryland Report of Waste Generation within Anne Arundel County (2021)



Sound Business Practices

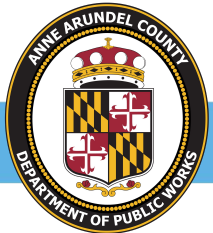
- Operations are fully supported by the Solid Waste Enterprise Fund
- Contributions made to the General Fund each year, and Energy Loan Revolving Fund
- Actions have been taken over the past 10 years to:
 - Improve operational efficiencies
 - Ensure excellent customer service and outreach
 - Avoid excessive costs
 - Generate revenue



Sound Business Practices

Improve operational efficiencies:

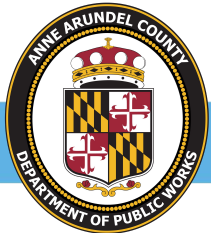
- 1) Optimized collection routes to increase efficiency
- 2) Offered curbside collection of recyclables to small businesses along established residential routes (fee based)
- 3) Established curbside collection incentives for superior performance



Sound Business Practices

Ensure excellent customer service and outreach:

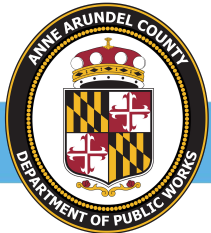
- 1) Launched the Recycle More, Recycle Right public outreach campaign to educate and motivate residents on how to properly recycle everything our program allows
- 2) Provided residential households the choice of a 35, 65 or 95 gallon recycling cart, to help make recycling easier
- 3) Launched the Recycle Coach mobile app, providing information on all programs and services on demand
- 4) Expanded residents' ability to Recycle Beyond the Curb at the County's full service Recycling Centers by adding recycling drop-off programs for food scraps, color sorted glass, plastic bags and durable medical equipment



Sound Business Practices

Avoid excessive costs:

- 1) Curbside collected yard waste now processed at expanded, County-owned composting facility by private contractor, reduced cost by 70%
- 2) Use cooperative purchasing to streamline facility equipment replacements
- 3) New long-term contracts with Waste Management - Recycle America and Waste Management, Inc.



Sound Business Practices

Generate revenue:

- 1) Separate and market ten different material types collected at our facilities.
- 2) Generate and sell electricity produced from landfill gas
- 3) Trade Renewable Energy Credits (landfill gas and solar)
- 4) Monitor solid waste facilities in the region and adjust commercial business fees



Plan of Action (Chapter 5)

Overall Objectives for the next ten years:

- 1) Provide an affordable and comprehensive state-of-the-art solid waste management system
- 2) Establish programs that promote waste reduction, reuse, source separation and recycling of materials
- 3) Minimize the amount of solid waste disposed to conserve remaining landfill capacity
- 4) Prepare for the future



Plan of Action (Chapter 5)

Established twelve (12) Core Priorities:

1. Integrated System Management and Zero Waste Concepts

Implementing new initiatives, programs and systems that promote a hierarchical flow of waste

2. Public Health and Environmental Protection

Protect public health and the environment from the time waste is collected to final disposition

3. Regional Partnerships

Developing partnerships with local jurisdictions and private entities and associated facilities

4. Recycling, Waste Diversion and Landfill Preservation

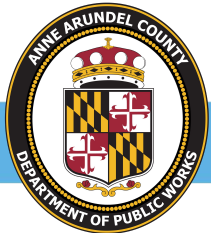
Maximizing recycling and economical waste diversion of managed material

5. Collection and Management of Recyclables and Solid Waste

Implementing a comprehensive collection, processing and disposal system for recyclables and solid waste

6. Technology Enhancements and Alternatives

Evaluating innovative technologies that maximize available resources and improve operational efficiencies



Plan of Action (Chapter 5)

7. Future Landfill Life and Capacity

Conceptualize long-term needs for waste processing and disposal capacity in the County

8. Constituent Communication and Outreach

Developing effective methods of public outreach to better serve and educate residents and facility customers

9. Revenue and Beneficial Use

Generating revenue to sustain a healthy Solid Waste Enterprise Fund

10. Rates and Fees

Keeping the residential rate and landfill tip fees affordable

11. Future Strategic Plans

Continuous improvement of the existing solid waste management and recycling systems.

12. Future Disposal Facilities

Review and evaluate options for future solid waste facilities



Private Facilities

COMAR requires that proposed facilities be included in the Plan

Two private waste facilities were granted zoning approval:

- 1) Landfill - Chesapeake Terrace Rubble Landfill – Odenton (subject to SE requirements)
- 2) Transfer Station - Curtis Bay Medical Waste Services – Glen Burnie

Jurisdiction over rubble landfills and transfer stations reside with the State. The State has not rendered a decision on permit issuance for either facility.

One private composting facility has been issued a Tier II compost facility permit by the State:

- 1) Veteran Compost/Garrity Renewables – Location TBD



Questions?

Thank you for your
continued support



DPWandYOU.com | *Making a difference, together*





Bureau of Utility Operations

24-Hour Emergency

Water Service: (410) 222-8400

Billing Inquiries: (410) 222-1144



Bureau of Engineering

General Inquiries: (410) 222-7500



Bureau of Waste Management Services

Bulk Trash Service / Curbside

Collections: (410) 222-6100



Bureau of Watershed Protection and Restoration

General Inquiries: (410) 222-1072



Bureau of Highways

General Inquiries: (410) 222-7321

Snow Line: (410) 222-4040

Email: hwyscustomercare@aacounty.org

