



SAVE THE DATE!

2021 MRN / SWANA-MidAtlantic Annual Conference invites you to explore key questions...

**Wednesday June 23:
1:00 pm – 5:00 pm**

**Thursday June 24:
9:00 am – 12:15 pm**

Have we persisted in doing the same thing over and over and expecting a different result? Are there viable new (or old) alternatives?

Join us as we ask thought leaders from throughout the industry (and ourselves) how we might do things differently...and get a better result.

Check out REVISION 2021...maybe there is a more productive way to look at our options for 2021 and beyond.

REGISTER TODAY

<https://marylandrecyclingnetwork.org/events/2021-mrn-swana-midatlantic-conference-registration/>

COMING SOON!

Request for Proposals (RFP) for Regional Non-Recycled Municipal Solid Waste Acceptance, Processing, Transportation and Disposal Services on behalf of Anne Arundel County and Howard County.

MARK DELUCA APPOINTED TO THE AUTHORITY BOARD BY GOVERNOR HOGAN



Mark DeLuca, Deputy Director of Public Works and Chief of Environmental Services for Howard County, was appointed by Governor Larry Hogan to be a member of the Authority Board representing Howard County on April 30.

Mr. DeLuca joined Howard County Public Works in 2001 after an 18-year career in the private sector. He has held several key positions in the department and has served as Deputy Director since 2008. In addition to his responsibilities as Deputy Director, he has served as Chief of Environmental Services since 2012, providing strategic oversight to the County's storm water management and flood mitigation programs, illicit discharge program, county landfills, recycling programs and residential curbside collections services.

During his time in Environmental Services, Howard County received state and national recognition for implementing the first large scale curbside food waste collection program in Maryland at the Alpha Ridge Landfill's newly constructed compost facility. This program is considered a model for sustainable waste management in the State of Maryland by a local jurisdiction.



Mark DeLuca

Mr. DeLuca has also served on many county-citizen workgroups and task forces as a technical advisor and a department representative, including the Historic Ellicott City Flood Workgroup and the Citizens Advisory Group (both formed after the 2016 flood) and the 2017 Citizen Task Force on Adequate Public Facilities.

He is a past president of the County Engineers Association of Maryland (CEAM) and continues to represent CEAM on the Maryland Quality Initiative Innovation subcommittee and the Maryland State Workgroup on Connected and Autonomous Vehicles.

The Authority welcomes Mr. DeLuca and looks forward to his leadership.

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Tactical Five-Year Plan
For Baltimore County's Recycling
And Solid Waste System Completed

5

Gude Landfill Remediation Project
Receives Honors Award

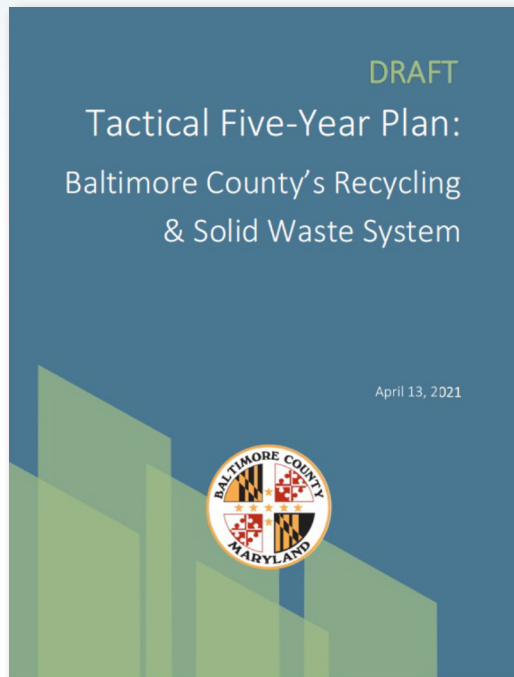


AUTHORITY ON-CALL CONSULTANTS, GBB & EA, COMPLETE TACTICAL FIVE-YEAR PLAN FOR BALTIMORE COUNTY'S RECYCLING AND SOLID WASTE SYSTEM

In September 2020 the Authority requested proposals from its on-call consultants to perform an end-to-end review of the County's solid waste system with a set of recommendations, timelines and estimated costs of implementation for improving the system. Three on-call consultant proposals were submitted and reviewed, and on October 13, Gershman, Brickner & Bratton, Inc. (GBB) and its sub consultant, EA Engineering, Science, and Technology, Inc., PBC, were selected to provide this service.

Also in October, Baltimore County Executive John Olszewski, Jr. issued an Executive Order for the creation of a Solid Waste Work Group, consisting of stakeholders who include representatives from the County staff, residential haulers, the County Council, resident representatives, business representatives and other solid waste and recycling experts, to work in coordination to develop the Plan, examine the existing waste collection and disposal practices, and make recommendations for a more sustainable future. The Executive Order charged the Work Group with examining the County's current solid waste collection and disposal practices and making recommendations for implementing innovative industry practices and trash diversion strategies to reduce the overall volume of trash produced in the County.

In a statement the County Executive said, "Our residents expect and deserve a Baltimore County that will remain vibrant and livable for generations to come, and that means we must find more sustainable practices that protect our planet and reduce the amount of garbage we create. This group will help us map a path forward for the future."



The scope of the Tactical Five-Year Plan consisted of the following tasks:

Task 1: Project Management and Reporting

Task 2: Background Memorandum: Research, Analysis and Benchmarking

Task 2.1: Review the current Solid Waste Management System

Task 2.2: Benchmarking

Task 2.3 Background Memorandum

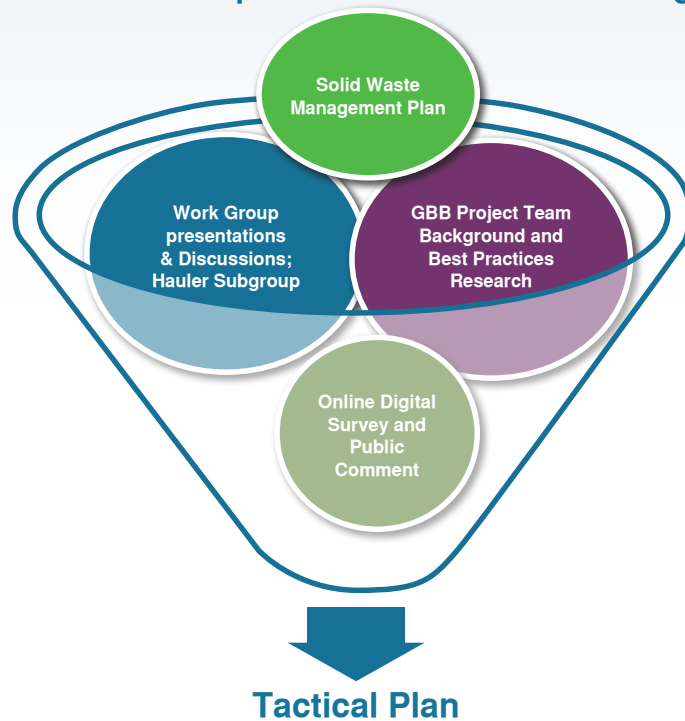
Task 3: Stakeholder Engagement

Task 4: Tactical Plan with Recommendations

After a publicly accessible, eight-meeting schedule (using Webex) from November 2020 - March 2021, the 18-Member Work Group held its final meeting on March 4. The meeting featured a presentation of the Proposed Tactical Plan Strategies and asked for feedback from the public, 25 of whom participated. Other public feedback was submitted to the dedicated Baltimore County email address for the Plan. Public input also was submitted throughout the entire planning effort and through an online survey for County residents and businesses that was designed to gauge feedback on current and potential changes to solid waste services. The surveys were open from January 5 - February 7, 2021.

Additionally, a Hauler subgroup was created within the Work Group structure to include a series of three Webex meetings held in January, and an all-hauler meeting on February 10. The second meeting of the subgroup featured guest speakers presenting program options and best practices from Portland, OR and Ft. Worth, TX. This subgroup provided feedback on potential recommendations for how the haulers' collection services could be changed to meet the County's overall needs, while also recognizing the needs of the haulers and the cost implications.

Baltimore County Solid Waste Work Group Tactical Plan Inputs to Inform Decision Making



GBB presented the following topics, with a variety of guest speakers to highlight best practices

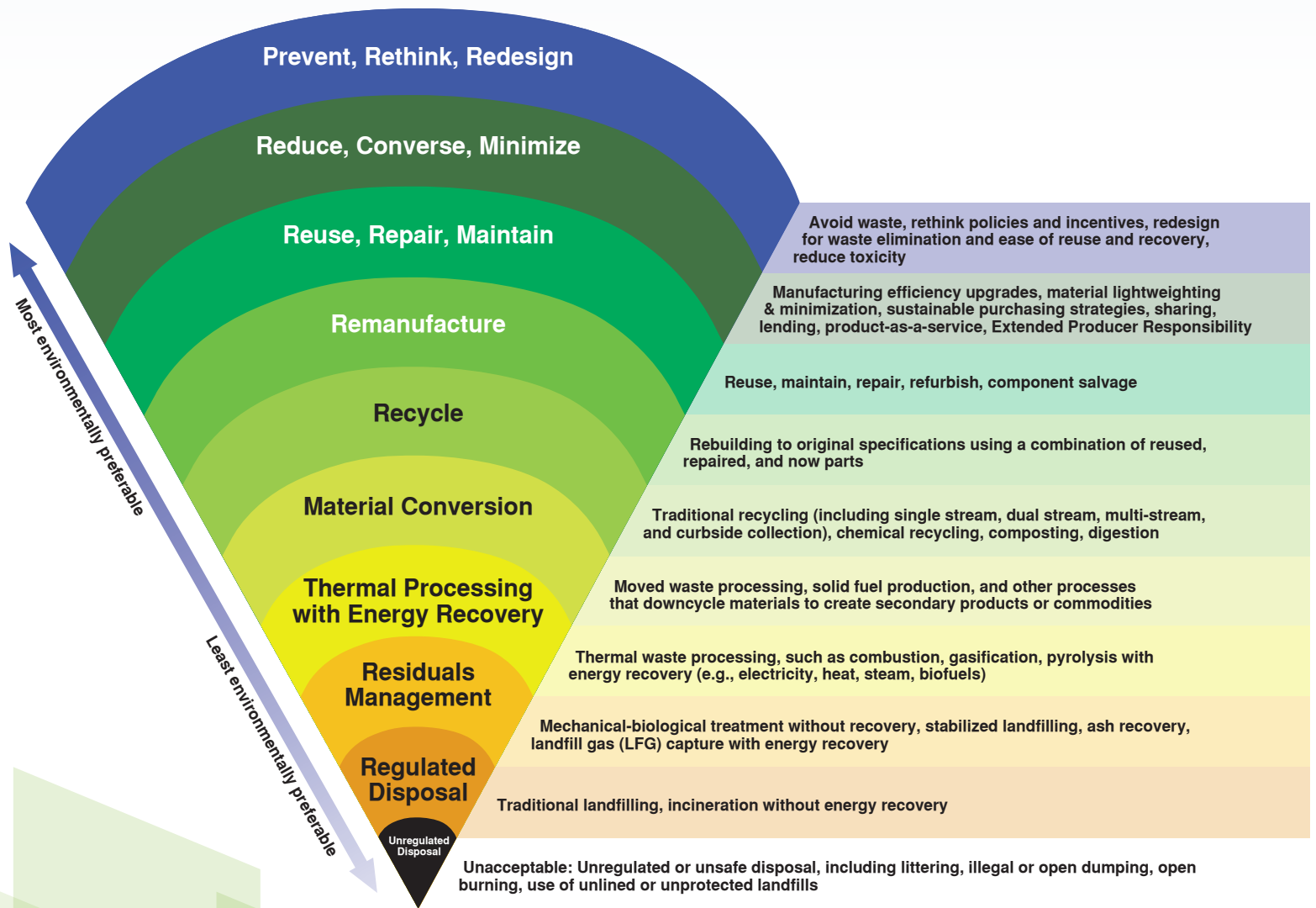
Meeting #	Date	Work Group Meeting Topic	Meeting Time
1	November 19, 2020	Residential Collection and hauler compensations	5PM-7PM
2	December 3, 2020	County system strengths and weaknesses	5PM-7PM
3	December 17, 2020	Best Practices from other Counties	10AM-NOON
4	January 7, 2021	Innovative ideas: Best practices for diversion, outreach & policy changes	10AM-NOON
5	January 21, 2021	Innovative ideas: Disposal technologies	10AM-NOON
6	February 4, 2021	Innovative ideas: System revenues, expenses, and financing	10AM-NOON
7	February 18, 2021	Facilitated discussion of best practices to be incorporated in the County system/Public Survey Report/Prioritization Activity	5PM-7PM
8	March 4, 2021	Presentation to Stakeholders of draft Tactical Plan Recommendations; Public testimony shared	5PM-7PM

The Work Group, County and GBB used a sustainable materials management hierarchy (see below) to guide its work and establish preferred management practices for waste, so that generation of waste is prevented in the first place, as well as prioritizing the use

of discarded materials as resources rather than allowing them to be wasted. Such a strategy has significant environmental, economic, and social benefits because it considers the entire lifecycle of materials. It focuses on the choices society makes about these materials,

starting with preventing material usage, rethinking policies and incentives for materials and waste, and redesigning products to facilitate actions such as reuse, remanufacturing and recycling farther along in the material lifecycle.

Sustainable Materials Management Hierarchy



Sustainable Materials Management Hierarchy (GBB)

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GUDE LANDFILL REMEDIATION PROJECT RECEIVES HONORS AWARD FROM A NATIONAL LANDSCAPE ARCHITECTS' ASSOCIATION

In the Fall 2020 edition of *WasteWatch*, the Authority provided a project update on the overall design/permit and contracting status of the Gude Landfill Remediation project in Montgomery County. With the recent submission of the final 100% drawings to the Department of Permitting Services in Montgomery County and the Maryland Department of the Environment (MDE), the design/permit review effort is now coming to a close. On May 6, the project was bestowed with an Honors Award, titled Design, Unbuilt, from the Potomac Chapter of the American Society of Landscape Architects.

While the focus of the design effort is on improvements required to meet the terms of the MDE Consent Order with the County, there have been concurrent efforts to prepare the site for certain passive uses once the construction is completed.

The underlying purpose of the planned improvements at the site is to meet

environmental protection needs. Early on, the County recognized opportunities for additional uses once the remedial improvements were installed. The initial procurement for the design engineer included a requirement for a landscape architect to provide certain passive use design elements to the project. EA Engineering was selected as the design engineer, with Floura Teeter Landscape Architects (FTLA) for the landscape design).

These design elements are based upon input from the County and the neighboring community of Derwood Station. The planned public uses are designed to avoid any harmful impact

to the environmental controls that will be installed at the site. For example, the trail system in the final project is based on the planned maintenance of roads and access to paths for the site. Also, art installations will not penetrate the synthetic cap of the landfill.

Additionally, the County wanted the site to be an educational location, so FTLA included educational waystations throughout the site to explain the landfill's history, some of the planned features, and wildlife that will likely be part of the mature project. They already have led a bird count walk and have prepared a vegetation management plan



Example waystation on a landfill walking trail



Recent aerial site view of the Gude Landfill in Derwood MD

that will screen the neighborhood from some of the construction activities. The larger passive reuse plan includes the potential development of a sizable solar array on the SE area of the landfill that may be taken up under a separate development project after construction of the remediation improvements are completed.

The 100% plans reflecting the preferred conceptual plan were presented to the public during an online meeting on April 8. For more information, please contact the Authority or visit the County's project website at <https://montgomerycountymd.gov/sws/facilities/gude/>.

Please see the Authority's procurement page for more details on the Construction Contractor RFQ/RFP at <https://www.nmwda.org/procurement-opportunities/>.



Close-up rendering of the nature play area



Preferred Conceptual Plan for the Passive Uses after the completion of the remediation construction

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GBB presented the final draft report with recommendations, which reflect the background work performed; Work Group feedback from briefing memos and presentations; the Hauler Subgroup effort; online survey feedback from 6,668 residents and 109 businesses, and public comment. The 19 recommendations are grouped into five categories summarized as follows:

Collection Considerations:

1. Service Agreements
2. Eliminating Plastic Bags for Yard Materials
3. Technical Assistance to Haulers
4. Recycling Carts
5. Pilot Projects

New Programs & Services Considerations:

6. Bulk Items (including mattresses) collection services with reuse/recycling
7. Zero Waste Education and Outreach Strategies (Zero Waste Strategies)

Infrastructure & Disposal Considerations:

8. Transfer of 215,000 tons from Eastern Sanitary Landfill Annually
9. Mixed Waste Processing
10. Outsourcing Organics Processing to a Third Party for Pilot Projects
11. Eastern Sanitary Landfill Vertical Expansion
12. Future planning for Western Acceptance Facility as currently in flood plain
13. Yard Material Transfer at Central Acceptance Facility
14. MRF Maintenance and Future Replacement

Financial & Contracts Considerations:

15. Solid Waste Full Cost Accounting
16. New System Funding Mechanisms
17. Regional Collaboration (all consulting)
18. Plan for Long-Term Process for Collection

Other Considerations:

19. Organizational, Staffing and Equipment Review

GBB also presented a cost summary by fiscal year, so that the County was able to analyze each option with fiscal impacts in mind, including any necessary roll-out and pilot periods with the tonnage impacts forecasted. Each recommendation was presented with the following details:

- Community Views/Input
- Work Group Feedback
- Policy/Legislative Impact
- Cost-Benefit
- Pros and Cons
- Other Considerations

Overall, this Tactical Five-Year Plan has created a comprehensive pathway to less waste and a more inclusive, livable, and vibrant Baltimore County.

More information about the Work Group can be found here: <https://www.baltimorecountymd.gov/boards-commissions/executive/solid-waste-work-group>.



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