

Poplar Island Expansion



Annual Progress Report

2018

Decades of Impact.
Changing Maryland's Environment for the Better.

Providing

operational and technical services to protect and enhance the environment for the benefit of the people of Maryland.

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Message From The Governor

Since taking office, our administration has consistently led the way to protect the Chesapeake Bay and encourage environmental stewardship in our state. We have pursued innovative policy initiatives to promote cleaner air and water and committed an historic \$4 billion toward wide-ranging Bay restoration initiatives. As a result, the Chesapeake Bay and Coastal Bays recently received their highest water quality scores in recorded history.



The Maryland Environmental Service (MES) will continue to be a key partner in our Bay restoration efforts through the innovative Conowingo Dam dredged material reuses project. Part of a multi-prong approach, this project will allow the state to examine the feasibility of a large scale project to minimize sediment releases over the Dam that ultimately flow down the Susquehanna River and into the Chesapeake Bay.

Our administration's proposed Fiscal Year 2019 budget for the Chesapeake Bay, at over \$1.1 billion, included record levels of funding for key conservation and innovation. Our budget also provided \$6 million for the Clean Water Commerce Program for nutrient and sediment reduction projects, and \$8 million for Maryland Department of the Environment's Energy and Water Infrastructure Program, which reduces emissions and the cost of cleaning water by deploying energy efficiency and renewable energy projects at water and wastewater treatment plants. MES initiatives such as the successful Environmental Business Leadership Conference and the partnership with the Department of Transportation to reduce the carbon footprint at the Port of Baltimore are also key strategies to ensure that everyone is doing their part.

I encourage you read this annual report and learn more about MES and our efforts to ensure that Maryland remains an influential environmental leader. The Chesapeake Bay is truly Maryland's greatest natural asset, and we will continue to provide the necessary funding and support to preserve this precious resource for future generations to come.

Governor Larry Hogan

“The Maryland Environmental Service (MES) will continue to be a key partner in our Bay restoration efforts through the innovative Conowingo Dam dredged material reuses project. Part of a multi-prong approach, this project will allow the state to examine the feasibility of a large scale project to minimize sediment releases over the Dam that ultimately flow down the Susquehanna River and into the Chesapeake Bay.”



Letter From The Director

In 2018, the Maryland Environmental Service (MES) continued to successfully accomplish its mission of enhancing the environment for the people of Maryland. MES served our hundreds of public and private sector business partners through over 1,000 projects and services across the Mid-Atlantic Region. This resulted in a year filled with key new business partners and marked by strong revenue of over \$155 million, with a record \$5.2 million increase in net assets.



Roy McGrath
Chairman & CEO



A year marked by strong revenues that totaled over \$155 million, and a record \$5.2 million increase in net assets.

These outstanding results were made possible through the environmental vision of Governor Larry Hogan and Lt. Governor Boyd Rutherford's Administration, with the support of our partners in the Maryland General Assembly, and with exceptional teamwork and dedication to our mission by MES' more than 800 teammates.

Outreach and increasing awareness of MES' products and services continued to be a priority. This included the second year of our highly successful "Road Show" meetings with key existing and potential business partners. A new partnership with the Maryland Department of Resources and Maryland Public Television (MPT) included MES as the co-sponsor of MPT's highly acclaimed program *Outdoors Maryland*.

New this year, our sold-out Environmental Business Leadership Conference provided a forum for many partners to learn and collaborate on industry technologies and solutions. Far exceeding expectations, nearly 300 attendees and over 50 industry speakers and panelists filled an impactful day. A remarkable 98% of those surveyed indicated they plan to return in July 2019.

The excellent service MES provided throughout the year again allowed our organization to meet all of our BEST (Building Excellence and Success Together) goals. Further expanding upon our growth and success was the launch of a new strategic vision: MES 2022. Highlighted is our commitment to the newly adopted 'Five Keys' of MES: Environment, Integrity, Service, Teamwork and Safety/Compliance.

To help deliver those Five Keys, MES has concentrated efforts on modernizing the way our organization operates. Whether through streamlining our business processes, enhancing HR practices to reduce vacancy rates, migrating to Microsoft® Office 365, or the upcoming, enterprise-wide launch of the Workday® management platform, we are effectively innovating our organization to better serve our partners and clients efficiently and effectively in the future.

Our outstanding success in 2018 further demonstrates the important work of MES' environmental mission. We enthusiastically look forward to another successful year ahead.



Larry Hogan
Governor



Boyd K. Rutherford
Lt. Governor

Board of Directors



Roy McGrath
Chairman & CEO



Beth Wojton
Deputy Director



Michael Harris
Treasurer



Richard P. Streett, Jr., V.M.D.
Secretary



William B. C. Addison, Jr.
Board Member



Leslie Jackson Jenkins, Esq., CPM
Board Member



J.P. Smith, Jr.
Board Member

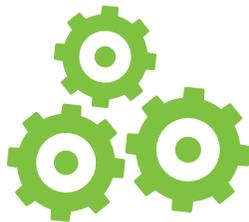


Joseph F. Snee, Jr., Esq.
Board Member

What Is MES?



Established in 1970, MES operates approximately 1,000 environmental projects and services across the Mid-Atlantic Region, and employs over 800 teammates. An independent, self-supporting State agency, MES enhances and protects Maryland’s environment through innovative solutions to the region’s most complex environmental challenges. MES is a unique, not-for-profit public corporation that combines public sector commitment to environmental protection with private sector flexibility and responsiveness. More than two-thirds of MES’ revenues flow directly to the private sector. MES receives no direct State operations funding and does not have regulatory authority.



OUR MISSION

To provide operational and technical services to protect and enhance the environment for the benefit of the people of Maryland.



OUR VISION

Maryland Environmental Service is an innovative and leading-edge solver of environmental problems; a responsible and successful manager of environmental operations; and a great place to work.

The 5 Keys

Environment • Integrity • Service
Teamwork • Safety

Enhancing the Environment

We value our work on projects that protect, enhance, and rehabilitate the environment. We encourage and promote environmental awareness and responsibility.

Integrity

We value integrity in all that we do. We are truthful and respectful to clients, co-workers, and our many partners. We make decisions that are lawful, ethical, and proper.



Service

We are dedicated to understanding and responding to our partners’ needs in a friendly, customer-focused way. We provide cost-effective and timely solutions through efficient use of resources.

Teamwork

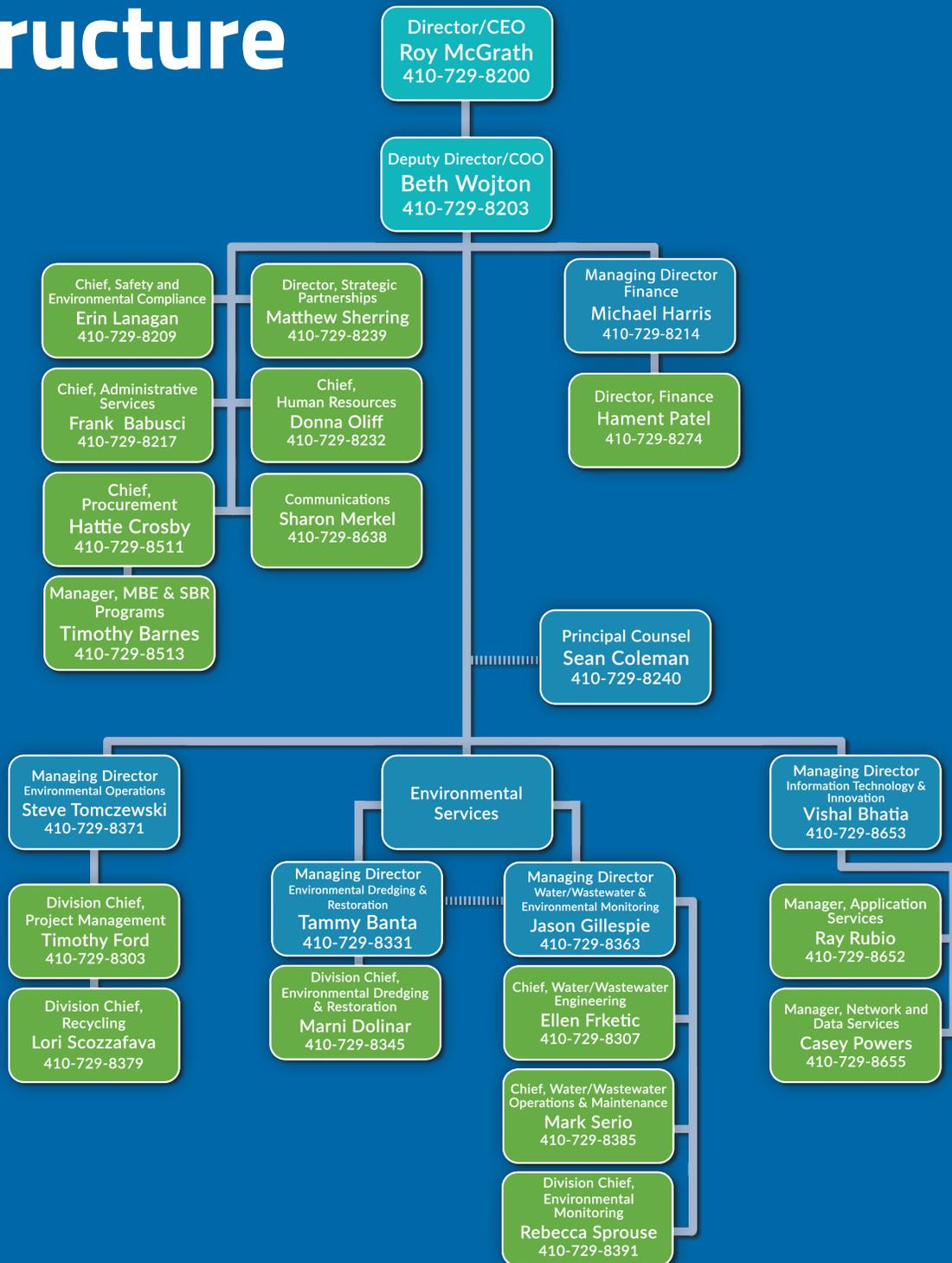
We are fortunate to work with talented people and pool these collectively to accomplish our goals. We effectively communicate with partners and team members, listen to alternative views, and consider the input of stakeholders.

Safety/Compliance

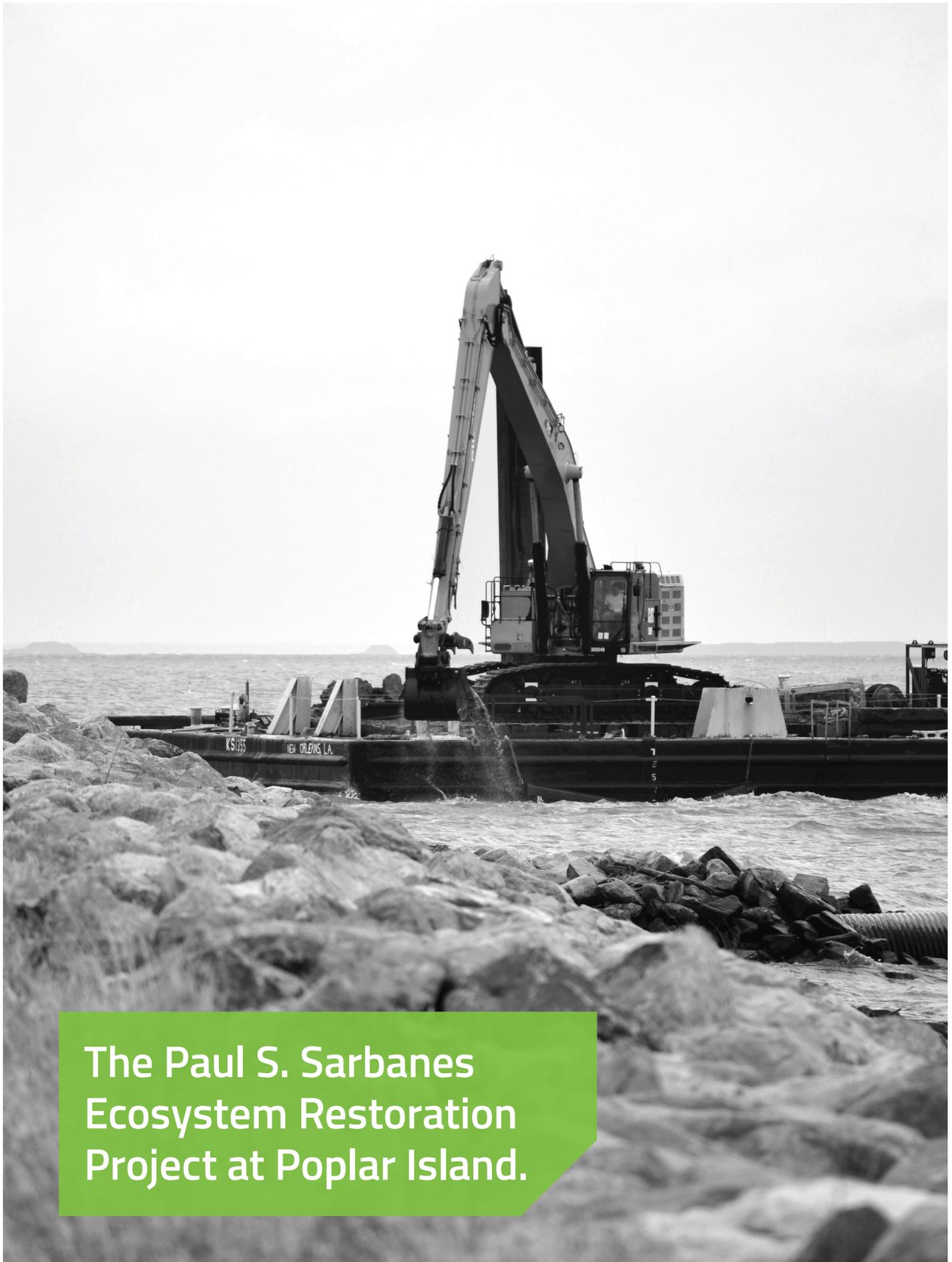
We are committed to setting and maintaining the highest safety and compliance standards and work practices.

Organizational Structure

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor



58% Of Our Management Team
Are Women or Minorities.



The Paul S. Sarbanes
Ecosystem Restoration
Project at Poplar Island.

Environmental Services

The MES Environmental Services Group supports our partners by providing water and wastewater, dredging and restoration, outreach and education, monitoring and compliance, stormwater, wetland and forest stand delineations, environmental management systems, remediation, and geospatial and engineering services.



“Anchor QEA enjoys our longstanding and ongoing relationship with Maryland Environmental Service on many environmental projects, with special focus on supporting the State of Maryland Dredged Material Management Program. MES is a committed and engaged organization that successfully leads and implements complex projects supporting environmental stewardship in the State of Maryland.”

-Walter Dinicola, Partner
Anchor QEA LLC

SUCCESSFUL ENVIRONMENTAL DREDGING & RESTORATION

This year, MES successfully completed a jetty rehabilitation project for the University of Maryland Center for Environmental Studies at Horn Point and continued to support the project with permitting and procuring future dredging services for the boat basin access channel.

In Frederick County, MES provided technical support in preparation of dredging Lake Linganore upstream of Boyers Mill Bridge and continued support to Garrett County through an alternatives analysis for the potential dredging of a cove in Deep Creek Lake.

STRONG PARTNERSHIP WITH MDOT MPA

MES continues its strong partnership with our valued partner, the MDOT Maryland Port Administration providing operations and maintenance, environmental and engineering services at Masonville, Cox Creek, and Hart-Miller Island Dredged Material Containment Facilities and the Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island. This year, MES continued support to MDOT MPA with expansion activities at three of these facilities and habitat development services at Hart-Miller Island.

MES provided MDOT MPA additional support this year with maintenance dredging of the Dundalk Marine Terminal East Federal Channel and DMT Berths 7-10 & 11-13 and with preparation and planning for future upland strategies for innovative reuse projects.



PAUL S. SARBANES ECOSYSTEM RESTORATION PROJECT AT POPLAR ISLAND

MES operates the Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island (Poplar Island) as part of its work on behalf of MDOT MPA including services for the Poplar Island expansion project with construction of the vertical expansion of Cells 2 and 6.

MASONVILLE DMCF

MES operates the construction and management of the Masonville DMCF and associated mitigation projects including Masonville Cove, the first Urban Wildlife Refuge Partnership in the United States. Along with managing dredged material inflow and discharge, restoring and creating habitat in Masonville Cove, and raising the dike system of the DMCF, this year, MES completed removal of derelict vessels and construction of the Kurt Iron Slip cut off dike. As part of the mitigation for the DMCF, MES on behalf of MDOT MPA, successfully managed construction of a trash interceptor at Dundalk Marine Terminal and the aptly

named “Captain Trash Wheel,” a trash interceptor in Masonville Cove.

This year, MES completed filling of the wet basin located on the adjacent MDOT MPA-owned marine terminal, a project partly funded by a federal Transportation Investment Generating Economic Recovery (TIGER) grant, providing additional terminal space and expanding rail service to the existing vessel berths.

The services provided by MES help MDOT MPA meet dredged material management needs while successfully protecting and restoring ecosystems.



Environmental Excellence MDOT ENVIRONMENTAL EXCELLENCE AWARD FOR SUSTAINABILITY

MDOT Maryland Port Administration Harbor Development staff and MES staff receive and environmental excellence award for sustainability for their Outreach work on Innovative and Beneficial Reuse of Dredged Material.





This year, MES awarded a contract for construction of the new operations building and continued the demolition and removal of existing structures in the expansion project footprint, which is scheduled for completion in 2019.

COX CREEK DMCF & EXPANSION

MES supports the operation, construction and management of the Cox Creek DMCF, including community outreach, regulatory coordination, and environmental, geotechnical, and engineering investigations and design. This year, MES awarded a contract for construction of the new operations building and continued the demolition and removal of existing structures in the expansion project footprint, which is scheduled for completion in 2019. In future construction phases, MES will provide support to MDOT MPA with the raising of the existing DMCF dikes, construction of the upland dikes and operations building, modification of current DMCF discharge spillways, and support on potential mitigation and community enhancement projects.

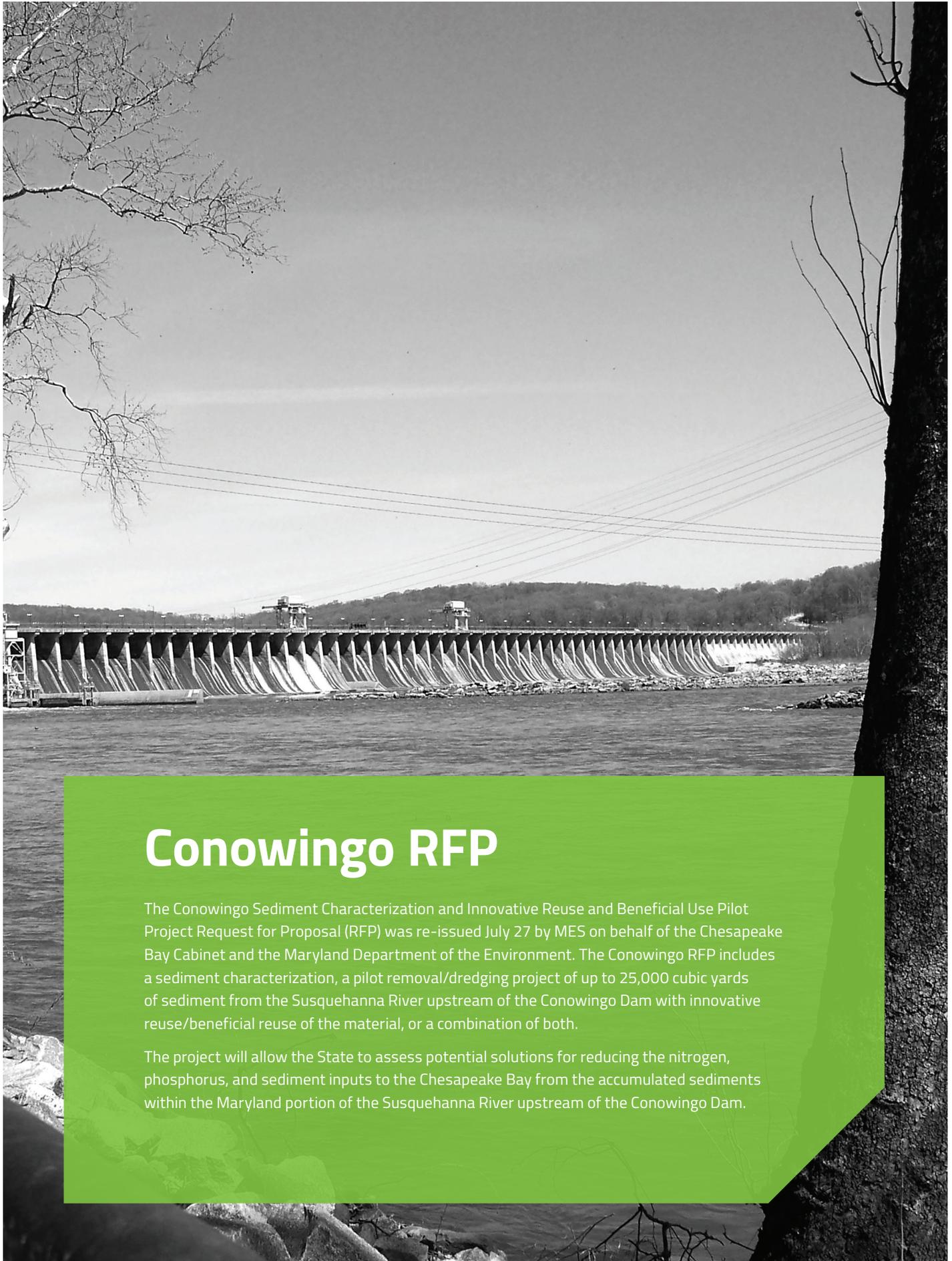
ENVIRONMENTAL MANAGEMENT SYSTEMS & REMEDIATION

MES continues to provide groundwater treatment plant (GWTP) operations and maintenance and hazardous waste management services to the MDOT MPA at the Dundalk Marine Terminal. Last year, MES treated more than 36.5 million gallons of contaminated groundwater at the onsite GWTP and worked with the project team to implement the Corrective Measures Alternative Analysis by providing dewatering support to storm drain relining projects and sampling and monitoring for a complex new permit.

Over the last year, MES also continued to provide landfill post-closure care operations, maintenance and monitoring at the Hawkins Point Hazardous Waste Landfill for our project partners MDOT MPA and Honeywell International, Inc. This year, the thirty-five year old leachate lading area canopy was replaced as part of an ongoing process to upgrade the infrastructure at the facility.

MDOT MPA and MES staff and others assist with the planting of ~1,000 trees in Baltimore City through the MDOT MPA's partnership with Bluewater Baltimore.





Conowingo RFP

The Conowingo Sediment Characterization and Innovative Reuse and Beneficial Use Pilot Project Request for Proposal (RFP) was re-issued July 27 by MES on behalf of the Chesapeake Bay Cabinet and the Maryland Department of the Environment. The Conowingo RFP includes a sediment characterization, a pilot removal/dredging project of up to 25,000 cubic yards of sediment from the Susquehanna River upstream of the Conowingo Dam with innovative reuse/beneficial reuse of the material, or a combination of both.

The project will allow the State to assess potential solutions for reducing the nitrogen, phosphorus, and sediment inputs to the Chesapeake Bay from the accumulated sediments within the Maryland portion of the Susquehanna River upstream of the Conowingo Dam.

MILLIONS IN DERA/AIR EMISSIONS GRANTS

MES continued supporting MDOT MPA administering more than seven and a half million dollars in federal grant funds over the past 10 years to help MDOT MPA meet their commitment to reducing air emissions at their public terminals at the Port of Baltimore. Projects included installing idle reduction technology on switcher locomotives and replacing older dray trucks and cargo-handling equipment with newer models that reduce diesel emissions. Health benefits will consist of reductions of particulate matter (soot), nitrous oxides, hydrocarbons, and carbon monoxide.



EXCITING NEW SERVICE AREAS

With the support of MDOT MPA, MES survey staff currently flies the unrestricted airspace at Poplar Island and have received authorization to fly in restricted airspace around Cox Creek and Masonville for aerial surveys, photogrammetry, and photography. MES team members have passed the FAA Remote Pilot Knowledge Test and registered the drone enabling aerial operations. The drone will be used in conjunction with GPS to streamline operations and increase overall efficiency and safety.



TERP PROGRAM

MES continues to operate the Terrapin Education and Research on Poplar (TERP) Program along with our partners, Anne Arundel County Public Schools Environmental Literacy and Outdoor Education Office at Arlington Echo and the National Aquarium, placing young turtles in classrooms across the State. The program is designed for students to learn about the lifecycles and habitats of animal species whose health indicates the quality of their environment. This program is another way MES is leading by example and helping improve our critical natural resources.



ENGINEERING & OPERATIONS SUCCESS

Among the many Engineering and Operations accomplishments in FY18, MES upgraded the Rocky Gap wastewater plant in Allegany County to a new ultrafiltration membrane bioreactor plant. MES also worked hard to upgrade the Freedom wastewater plant in Carroll County to an enhanced nutrient removal facility by constructing a Bardenpho treatment system with denitrification filters. MES began operations at the new Harriett Tubman Underground Railroad Visitor Center in Dorchester County for our valued partners at the Maryland Department of Natural Resources. They have a unique onsite treatment system with a bermed infiltration pond for ultimate disposal.



| Outreach & Education

MES' Outreach Team provides community engagement support to clients through participation in community festivals and events, meetings, project site tours, and onsite and in-classroom environmental education. Through these efforts, lines of communication between the citizens of the State of Maryland and our partners are opened and strengthened.

ENVIRONMENTAL BUSINESS LEADERSHIP CONFERENCE

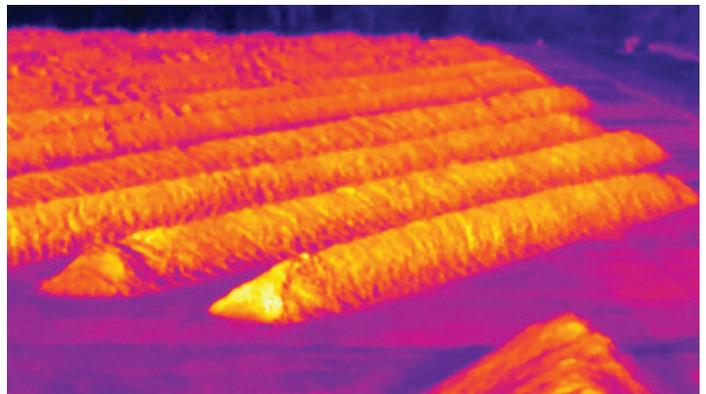


This year, Maryland Environmental Service hosted the inaugural Environmental Business Leadership Conference in Annapolis. The conference featured nearly 300 attendees and over 50 industry leading panelists and speakers. The forum served as an opportunity for those in the environmental business space to come together to learn and collaborate on cutting edge solutions to complex environmental challenges. Key speakers at the conference included Lt. Governor Boyd Rutherford and globally recognized green business expert Andrew Winston.



INNOVATIVE GEOSPATIAL & ENGINEERING SERVICES

MES' Geospatial and Engineering Services group continues to leverage technology to provide cost savings solutions for our partners. Recently trained staff (FAA Part 107 Certified), utilized an MES owned Unmanned Aerial System (UAS) to acquire aerial, topographic, and thermal imagery of a composting facility operated by MES on behalf of Montgomery County. Historically, collecting accurate topographic data at a 50+ acre site would take weeks of time to capture using traditional survey methods whereas leveraging UAS reduced field time to just one day and allowed the team to produce additional data products that weren't previously possible without use of a fixed-wing aircraft.



The image above shows an oblique view from the aerial imagery of the MES' Leafgro facility in Montgomery County, MD captured using a UAS. The image to the right shows the same location using MES' thermal sensor.

IMPROVING WATER QUALITY

MES assists our clients throughout the State of Maryland to improve water quality and comply with stormwater regulations by implementing innovative solutions to meet their diverse needs.

Over the last year, MES operated, maintained, and monitored the MDOT MPA algal flow-way. This project is the first of its kind to link the algal runway-removing nutrients from waters entering the Chesapeake Bay with an algal digester to produce biogas, which will be used as fuel for a fuel cell, and provides more quantitative nutrient removal than many conventional water treatments.

MES has also initiated several new stormwater projects this year, with our valued partner MDOT SHA, mostly in Garrett, Washington and Allegany Counties in Maryland. MES is pleased to be the first involved in assisting the MDOT SHA Highway Hydraulics Division in a Stormwater Crawler Camera Pilot Program, where MES is an integral part of the success of this program for SHA, and to be on the leading edge of their continuing programs enhancing Stormwater Asset Management. MES is lead on the field inspections, data collection and reporting for a stormwater crawler camera inspection pilot program.

“MES defines total professionalism and customer service. Our projects are usually on tight time and expenditure schedules and MES always delivers for us. They are excellent at negotiating with and overseeing service providers to ensure that we get reasonable costs up front and that our funds are spent wisely as projects progress. Their technical knowledge of dredging and environmental restoration is second to none.”

-Chris Correale, Director of Harbor Development MDOT MPA



GROUND PENETRATING RADAR

MES is initiating a full program with our partner MDOT SHA on Three-Dimensional Ground Penetrating Radar (3D GPR) for statewide bridge data collection and analysis program for Maryland’s aging infrastructure. In the current collection season, the MES team is on track to scan over 700 bridges this calendar year for detailed analysis and reporting.

In the first full collection season, MES provided a value added service when MDOT SHA requested quick access to street-sweeping services. The 3D GPR team quickly responded with a cost efficient option to rent an Elgin Broom Badger street-sweeper and staffed, trained and operated the vehicle. The team collected over four tons of trash, debris, and sediment before scanning. SHA was able to obtain TMDL credits for the removal of the sediment and debris, and the clear roadway provided more accurate data collection



and highway beautification. The MES 3D GPR team is facilitating private industry growth through the use of small businesses for MDOT SHA requested data analysis, reporting, algorithm-based investigation software development, and equipment procurement. With the continued success of this program, MES is working with SHA staff on the development of a new agreement which will include another five years of 3D GPR data collection and assistance.

Finally, the team was able to branch out and propose other beneficial uses of this emerging technology, where MES spearheaded scans of various roadway surfaces, including scans of Route 45 in Baltimore County for a potential water main break and Route 77 in Frederick County for utility hole detection and possible sewer line water intrusion.



Environmental Monitoring

BWI AIRCRAFT DEICING FLUID RECYCLING PROGRAM

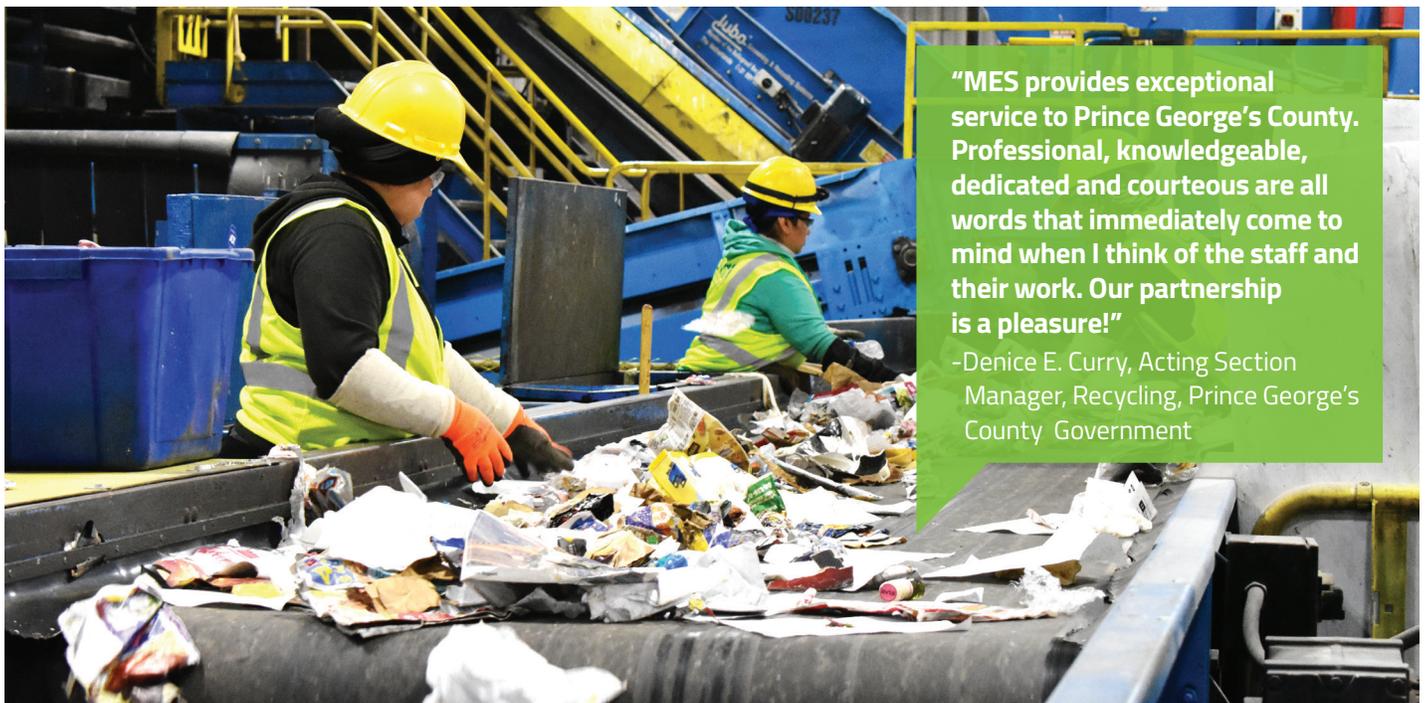
In collaboration with our partners at the Maryland Aviation Administration (MDOT MAA) at BWI Thurgood Marshall Airport, MES significantly increased the amount of waste Aircraft Deicing Fluid (ADF) for recycling during the 2017-2018 deicing season. There were a total of 16 declared deicing events where MES staff provided monitoring and fluid collection of high concentration waste (ADF) during and after aircraft deicing. High concentration ADF is collected fluid that has a concentration of 5-35% of propylene glycol. This is the third year for the recycling program. During the first year, 16,588 gallons of waste deicing fluid were collected for recycling yielding 3,935 gallons of recycled glycol. The amount of ADF collected for recycling this season increased significantly to 151,849 gallons

collected yielding 20,196 gallons of glycol recycled. In addition to the ADF collected during airplane deicing, MES creatively identified opportunities to pump fluid from the Glycol Recovery Vehicle dump area and underground lift station vaults, when glycol concentrations were above 5%, adding to the recycling tanks segregated from the general collection system. Through recycling the higher concentrated waste, MES was able to reduce the amount of glycol discharge to the Publicly Owned Treatment Works (POTW). This reduced the surcharge fee that Baltimore County (POTW) charges the MAA for treating the waste. The success of the program has made the ADF recycling go from a pilot study and to the standard procedure for the future operations at BWI Marshall Airport.

Environmental Operations

The Environmental Operations Group (EO) strives to provide superior customer service and to satisfy our partners in the most cost effective and environmentally responsible manner. EO provides services focused on solid waste management including, solid waste landfill operations; single and dual stream recycling facility operations as well as the marketing of the recovered recyclable products; homeowner drop off operations; and, waste transfer operations. In addition, EO also handles yard trim and food waste composting operations, mobile yard waste grinding services and the marketing and distribution of compost. The Group also runs co-generation and steam power facilities, manages landfill leachate and solid waste transportation, provides used motor oil and CFC collection services and manages scrap tire collection and site remediation. In addition to operations, for our partners seeking to improve recycling rates, MES provides long range planning,

program evaluation and training. MES solid waste and recycling experts have worked with Prince George's and St Mary's County, the Maryland Aviation Administration at BWI Thurgood Marshall and Martin State Airports, Maryland Port Administration, Maryland Department of General Services, Maryland Motor Vehicle Administration and the Maryland Stadium Authority. The Engineering and Monitoring Group supports the environmental engineering needs of our partners, providing engineering support through direct engineering services and/or through our short-list of A&E firms. In addition, the group works directly with our partners to provide technology and equipment upgrade support; engineering and environmental permitting and compliance support; maintenance and repair requiring engineering support; and infrastructure support.



"MES provides exceptional service to Prince George's County. Professional, knowledgeable, dedicated and courteous are all words that immediately come to mind when I think of the staff and their work. Our partnership is a pleasure!"

-Denice E. Curry, Acting Section Manager, Recycling, Prince George's County Government

RECYCLING FOR OUR FUTURE

MES completed the installation of equipment to sort and bale paper and cardboard at the Montgomery County Recycling Center. This new "Fiber Line" is operated by MES and allows the County to generate revenue for its recycled paper and cardboard where it had not in the past. MES also replaced two aging balers with brand new balers at the Prince George's County Materials Recycling Facility. This work continues with the modernization and upgrades to this facility that MES started in 2016. The statewide Used Oil Program collected 484,757 gallons of oil and 28,146 gallons of antifreeze from participating locations throughout Maryland. The chlorofluorocarbons or CFC collection program, which ensures the safe removal, recycling, and disposal of refrigerants from appliances that enter the waste stream, safely evacuated 22,590 units in FY 2018.

Collected Materials for FY 2018

OIL
484,757
Gallons

ANTIFREEZE
28,146
Gallons

CFC'S
22,590
Units

LANDFILL OPERATIONS

The EO team began the construction of its newest Cell (Cell 3) at our Midshore II landfill in Caroline County. MES is financing the construction of this new expansion with proceeds from a competitive bond sale. Our organization recently received an AA rating from S&P Global, which indicates financial strength. The rating agency reaffirmed MES' strong management team and solid financial foundation to support the day-to-day operations and expansion of the landfill project.



EFFICIENT POWER & STEAM GENERATION

Fiscal Year 2018 saw the completion of the control system upgrade to the Hagerstown Correctional Facility's steam boiler plant and continued steam boiler operations at the Jessup Correctional Facility. In addition to those projects, MES continued upgrades to the electrical control system for the Eastern Correctional Institution's wood fired combined heat and power system and continued construction of a new 25kV substation to replace the outdated substation and associated equipment.





STATE OF THE ART COMPOSTING

This year, MES began construction of a 12-bunker in-vessel composting facility as an upgrade to the current 8-heap food waste composting system in Prince George's County. This upgrade allows the County to compost over 30,000 tons of food waste per year. MES and Montgomery County partnered with Braskem's "I'm Green™" polyethylene (PE) and ProAmpac's Trinity Packaging Division to provide packaging for the County's compost product, Leafgro®. The new wrapping is a sustainable resource made from sugarcane. Over 650,000 bags of Leafgro were sold in 2018. MES began a pilot food scrap collection program at BWI Marshall Airport. Through FY18, the program collected 3,000 pounds of food scraps. The pilot program has been extended into FY 2019. MES also practiced what it preaches this year by creating a food scrap collection at program at the Millersville Headquarters. Through the end of FY 2018, 362 pounds of food scraps were diverted for composting.



ENGINEERING & ENVIRONMENTAL MONITORING

This year, MES provided engineering support for continued upgrades to the Harford County Waste Disposal Facility, St. Mary's County's St Andrew's Collection and Transfer Facility, and the Prince George's Materials Recycling Facility. The engineering group partnered with our operations team to complete a Resource Recovery and Sustainability Master Plan for Prince George's County. The plan outlines steps that the county may take to increase its recycling and waste diversion rates.

In addition to continued monitoring and reporting at 22 landfill facilities located across the state of Maryland, the monitoring and remediation team provided our partners with exceptional and innovative service. The team was able to help Northern Landfill in Carroll County avoid entering an assessment monitoring program by conducting a small investigation into a contaminant and finding that its source was not the landfill. This work saved the county approximately \$200,000 in additional monitoring costs and possibly millions in remediation efforts. Another success was the group's support in bringing the Nicholson Landfill in Kent County into compliance for landfill gas exceedances at the facility. Before MES came to the site, the Nicholson Landfill had continuous landfill gas exceedances at their property boundary for the past 15 years. MES immediately came up with a plan to utilize the sites existing infrastructure and re-plumb their remediation system to optimize their landfill gas recovery. The result of this project was landfill gas compliance within two weeks of the construction project completion. By utilizing the site's existing system, MES saved the county over \$200,000.

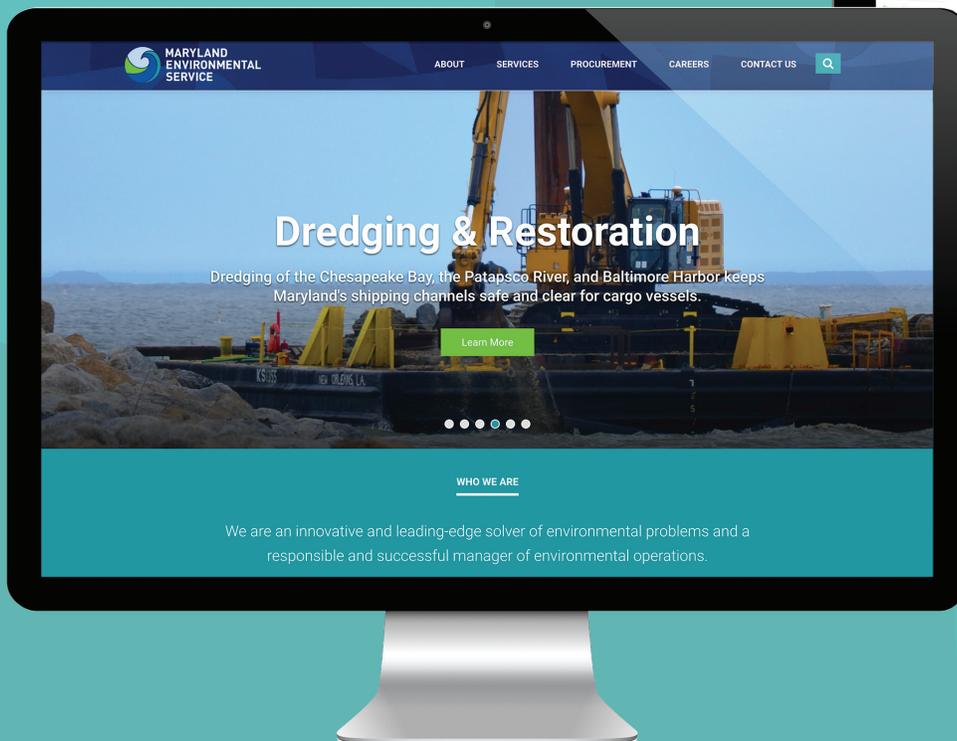


COMMUNICATING EXCELLENCE

This year our team focused on growing the MES brand. One area of particular success was the 4,000 new followers our Facebook page received throughout the year. In addition to social media success, MES wanted to change the way partners and potential clients research MES. That's why we completed a comprehensive redesign of the MES website. It now features increased search capabilities and is much easier to navigate. MES has also continued to look for new



ways to expand the recognition of the organization. One exciting new opportunity is MES' partnership with Maryland Public Television and the Department of Natural Resources on the acclaimed Outdoors Maryland television show.



ADMINISTRATION: HUMAN RESOURCES & PROCUREMENT



Executed
160
contracts in FY18



Streamlined HR processes



Awarded
\$84.7 MM
in contracts in FY18

Updated title structure to modernize and correspond more closely with the private sector.



Awarded
\$180,000
in tuition reimbursement to 43 team members

Enhanced new employee orientation onboarding process to include a welcome video from the Director, building tours, employee State ID badge, inclusion of IT for Employee Self Service/email use demo, updated Safety presentation, and added Customer Service training

Increased outreach for recruiting hard to fill positions: explored partnerships with schools, veteran communities, minority and diverse communities, and job fairs.



Completed
260
purchase orders

Increased
MBE
Participation
from 20.2% to 28.7%

Handled
101
new employee hires in FY18

INFORMATION TECHNOLOGY & FINANCE ACCOMPLISHMENTS

- Deployed an online reservation and electronic check-out and check-in system for MES vehicle fleet.
- Upgraded software at all scale sites to the latest version.
- Enhanced JD Edwards Employee Self-Service (ESS) and completed the roll-out of access to ESS for all teammates.
- Deployed JD Edwards timesheets and global leave. Many teammates are now entering time electronically into JD Edwards timesheets and many employees are also now able to request time-off electronically through JD Edwards global leave.
- Deployed expense reimbursements by electronic file transfer (EFT).
- Deployed a cloud-based email signature management system that provides MES with consistent signatures for every teammate and for emails sent from any device.
- Assessed best practice improvements and applied them to all areas of finance, resulting in improved reporting and expense monitoring.
- Migrated all MES email, contacts, calendar, and cloud documents from G-Suite to Office 365.

Celebrating 110 Milestones



Joseph Coale



James Allen



Donna Oliff



James Scott



Russell Brown



Ellen Frketic



Bryan Winkelmeyer



Beth Wojton





Charles Bradford
 Leo Drescher
 Donald Grove
 Robert Hamilton
 Robert Lancaster
 Michael Swann
 David Wheeler



Kishia Bounds-Jenkins
 Raymundo Daniel
 Peter Kilgore
 Roger Knox
 Elsie Leibrand
 Brian Saylor
 James Souders



Eric Betker
 Cassandra Carr
 Nancy Faulkner
 Charles Fawley
 Norma Garcia
 Dennis Harris
 Phillip James
 Julian Jarrell
 William Kessel
 Steven Kilmon
 Marcia King
 Stephanie Lindley
 Roger Marshall
 Catherine Meade
 Kenneth Medlin Jr.
 Rebecca Sprouse
 Donald Thomas
 Tammy Thomas
 Carl Washington



Francis Boal IV
 Carla Bowyer
 Tiffany Bradshaw
 Zhiyuan Cai
 Patrick Carling
 Joshua Chapman
 Chase Clark
 James Cooper
 Richard Doring
 Julia Dowgiallo
 Preston Fuller
 Donald Gittings
 Brian Hallam
 Liane Hartleb-Kagarise
 Michael Herzberger
 Melody Hicks
 David Hollens
 Donald Ireland Jr.
 Scott Kearney
 Lauren Mentzer
 Adrienne Noel
 Claire Ruark
 Timothy Sautter
 Tod Schenck
 Gregory Stehli
 Dale Tyler
 Danielle Wilson
 Kyle Young



Justin Amrhein-Thillman
 Timothy Barnes
 Ricky Bradford
 William Brown
 Ellis Crump
 Christopher Dallas
 Tara Dunn
 Randall Faber
 Travis Farrand
 Ismar Franco
 Michael Gould
 Samuel Grimard
 Jeffrey Halka
 Mark Hicks
 Michael Hugel
 Irwin Johnson
 Vernon Kirk
 Emery LaMaster III
 Aaron Levinthal
 Brien Mack
 Matt Manning
 Josette Markline
 Harry McConchie
 Patrick McMahon
 Logan Milby
 Robert Paden Jr.
 Jose Rodriguez
 Mark Serio
 Paul Simpkins
 Martha Stauss
 Melinda Strevig
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