

BALTIMORE CITY DEPARTMENT OF PUBLIC WORKS

Fiscal Year 2018

Annual Report



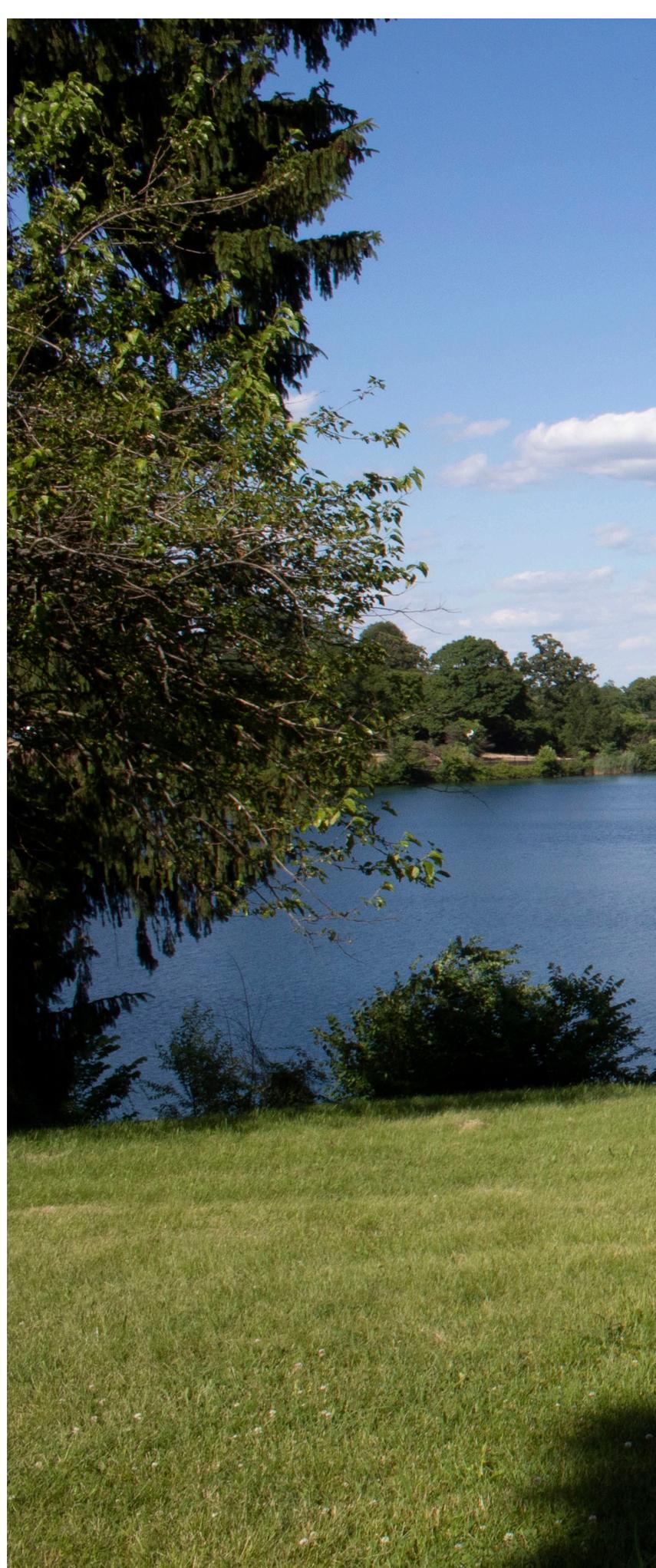
Catherine E. Pugh
Mayor



publicworks.baltimorecity.gov

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Mayor's Message

Baltimore has many challenges, but it is good to know that the Baltimore City Department of Public Works (DPW) is up to meeting these tasks. Yes, we have old infrastructure, but DPW is rapidly renewing our water lines at a rate of 15 miles each year. In addition, we are meeting the federal mandates to build finished drinking water storage tanks, with the Guilford, Ashburton, and Druid Lake projects all moving forward.

The sewer system continues to undergo changes that will mean greater protections from overflows and backups. With the Enhanced Nutrient Removal (reduction of nitrogen discharge) facilities completed, and the Headworks super pump project underway, we will soon begin to see dramatic changes in the health of our Harbor, our streams and the Chesapeake Bay.

Through the blazing heat and pouring rain of summer, and in the cold of winter, our Solid Waste crews collect your trash and recyclables, sweep your street, bait for rats, and mow vacant lots. Their work continues to show as the City gets cleaner and our residents and visitors take notice.

The DPW's Office of Sustainable Energy is making a difference in utility bill savings for the City government as well as individual homeowners and businesses. The office is also playing a part in upgrading our street lighting with energy-efficient LEDs.

DPW is here for all of us every day. Please read this Annual Report and learn more about what their dedicated employees are achieving for our Baltimore.



Catherine E. Pugh
Mayor



Director's Message

Fiscal Year 2018 was in many ways a turning point for the Baltimore City Department of Public Works. We have now completed a year of automated metering and accessible home water use monitoring in Baltimore, and the results are increasingly positive for our customers and for our operations.

We have seen the value of changing to a neighborhood-based quadrant system in our Bureau of Solid Waste. We're able to get more work done, so the City is getting cleaner and our responses to citizen concerns are getting better.

DPW is now long past the planning phases for major capital improvements in our drinking water storage locations and in the environmental upgrades at our wastewater treatment plants. Projects that were federally and state mandated are now completed or are well underway. In addition, when I became Director, I was determined that we not become distracted from addressing crumbling water and stormwater infrastructure. These are very important in ensuring continuous water service, vibrant waterways, and overall public safety for today and for generations to come.

Finally, let me mention some other ways we serve our communities. Our stream restoration work has quietly transformed flood-prone overgrowth into community green spaces. Our skimmer boats at the Inner Harbor are almost as much of an attraction as the vistas. Our commitment to job training and placement is now a major part of our mission. And our community outreach events like Big Truck Day, the Public Works Calendar, and Dam Jam are now Baltimore mainstays.

As you read through this Annual Report, you will see how we work to serve the residents of Baltimore.



*Rudolph S. Chow, P.E.
Director*





Honoring our Workers During Public Works Week

National Public Works Week, celebrated during the first full week of May, allows state and local agencies to spotlight their work and the vital services they provide to citizens. In Baltimore, Public Works Week celebrations include the naming of DPW's Employee of the Year.

For this annual award, DPW leaders select one dedicated, outstanding employee from the various Employee of the Month winners. Every winner demonstrates a work ethic of going beyond the expected, as well as community service. The nominees are all given keepsakes, and the winner gets several other valuable donated prizes.

DPW's 2017-2018 Employee of the Year winner was Rollin Weeks, Jr., a sanitation worker in the Baltimore City Department of Public Works Bureau of Solid Waste. Mr. Weeks captured this honor, not only for his hard work and commitment to his job, but for the heroic rescue he and his crew performed on October 26, 2017.

While riding along his route in southwest Baltimore, Mr. Weeks noticed a woman on the ledge of the Waterview Avenue bridge. He recognized the situation right away and quickly sprang into action, jumping off the truck to save this lady from what would surely be a fatal leap. For that deed and more, Mr. Weeks is a valued member of the DPW family.

In addition to being a hero, Mr. Weeks cleans his own neighborhood and is deeply rooted in his church and strives to give back to his community. He says that he is a better person now than when he started his career at DPW. "I am not the same man that I was."



Above
2017-2018 Employee of the Year Finalists (left to right): Steven Hoover, Eloise Black, Rollin Weeks Jr., Kristyn Oldendorf, and Paul Taylor, and Abbigail Jones (not pictured).

Below
Deputy Director S. Dale Thompson congratulates Employee of the Year Finalist Eloise Black.





Trash – how much of it we make, what we do with it, how it affects us and our environment – is a gigantic global industry. In September 2017, the International Solid Waste Association (ISWA) brought its world conference to North America for the first time in nearly 20 years, and chose Baltimore as the host city. It was quite an honor and opportunity for DPW’s Bureau of Solid Waste to shine.

However, having ISWA’s World Congress and the Solid Waste Association of North America (SWANA) WASTECON event in Baltimore presented DPW with a challenge as well as an opportunity. With months of careful planning, DPW helped the solid waste industry pull together a highly regarded event.

DPW provided tours of the City’s landfill, its recycling operation, street sweeping, and even an up-close look at Mr.Trash Wheel — the trash-gobbling contraption at the mouth of the Jones Falls. DPW landed on the cover of Waste Advantage magazine that month, with a feature article detailing our numerous proactive programs designed to keep Baltimore beautiful.

In addition to the hard work of the Bureau of Solid Waste, DPW Policy Analyst Kristyn Oldendorf emerged as a key player in the event. SWANA recognized her leadership on the local planning committee for the WASTECON event, and spotlighted her in the association’s newsletter. Ms. Oldendorf prepared for the Baltimore WASTECON by attending the previous year’s conference in Novi Sad, Serbia. She became a finalist for DPW’s Employee of the Year for her work on WASTECON, which she performed along with her regular duties as an advocate and liaison to the City Council and state legislators.

Closer to home, the Highlandtown Exchange Club gave Ms. Oldendorf, a long-time volunteer in Southeast Baltimore, its “Book of Golden Deeds” award for her work on behalf of the City and its residents. She continues to work on a variety of environmental policy initiatives for the City.



Ashburton Tanks Project: Protecting Our Drinking Water



To help preserve the high quality and safety of our drinking water system, DPW has been building underground concrete tanks to store our finished drinking water. In June 2018, we launched construction of the last of these conversions, the Ashburton Tanks project.

Upon completion, Lake Ashburton will remain as a beautiful freshwater amenity with 50 million gallons of drinking water secured safely in two underground tanks. A playground and other park and green space will be built over the tanks in the space north of the lake. The entire project is budgeted for about \$137 million.

The tanks are scheduled to be completed and operational by the end of 2022, and the park landscaped in 2023. When we're done, our drinking water will be much safer and secure with these underground tanks, and it will allow us to comply with federal Safe Drinking Water Act regulations.

We have completed buried tanks projects in Towson and at the Montebello II Filtration Plant, and expect the Guilford Tanks project to be done by the end of calendar year 2019. Work on the Druid Lake project, discussed in last year's Annual Report, started in Fiscal Year 2017.

Baltimore County and the State of Maryland are contributing funds for the Ashburton Tanks project.



DPW held a community meeting to explain the Ashburton Tanks Project to Hanlon Park's neighbors.



Headworks: A Giant Environmental Leap Forward



The groundbreaking for the Headworks Project at the Back River Wastewater Treatment Plant was a milestone in Baltimore's efforts to eliminate overflows from our sanitary sewer system. The August 10, 2017, event attracted government leaders from Baltimore City and County, Republicans and Democrats, representing local, state, and federal offices, and received broad media coverage.

People wanted to be part of the celebration because it is a project that will help bring Baltimore into compliance with its sewer consent decree, an agreement with the federal government to make our waterways cleaner and healthier.

When the City experiences large storms, the sewers fill with stormwater that seeps in through cracks and manhole covers. That water can overwhelm the sewer system, resulting in backups and overflows into streams, streets, and basements.

The problem is made worse by a hydraulic flaw in the 12-foot diameter sewer pipe leading into the Back River Wastewater Treatment Plant. The flaw creates a roadblock to the large sewage flows in wet weather, forcing stormwater to back up as much as 10 miles. The Headworks construction will correct this flaw by creating, essentially, a giant sump pump that will continuously pull the sewage into the plant.

When it goes into operation by the end of 2020, the \$430 million Headworks project will eliminate more than 80 percent of the volume of sewage overflowing from the City's aged sanitary sewer system. That means fewer overflows into Baltimore's streams, streets, and basements.

This is one giant environmental leap forward for our waterways and the Chesapeake Bay.



DPW is keeping the public informed about Headworks and the Sewer Consent Decree with our annual public meeting.

Aerial view of Headworks construction.



Environmental Impact Bonds: Creating Green Space



Investors are working with Baltimore City to help reduce trash and water pollution by creating green spaces within urban neighborhoods.

Tearing up old, unused pavement to allow soil to meet the sunlight is a good thing. It helps reduce the amount and speed of stormwater rolling off the land, washing trash and harmful chemicals and sediment into our streams. Green spaces are quieter and cooler than paved spaces, and people want to be connected to where air and water meet earth.

Some people even want to invest their money into projects that remove pavement and replace it with green space, or engineered projects that help slow down and clean water before it spills into a storm drain or stream. In March 2018, DPW and the Chesapeake Bay Foundation (CBF) announced the creation of innovative Environmental Impact Bonds (EIB) to help pay for more than 90 of our stormwater management projects in dozens of neighborhoods throughout the city.

Baltimore will issue up to \$6.2 million worth of EIB financing. This is the first time these financial tools have been used in Maryland. The city's repayment of the bonds would be based on the effectiveness of the projects.

The City is required by state and federal law to reduce and treat polluted runoff on more than 4,000 acres of impervious surface. Partially funded through EIBs, the projects are an important step in reaching that goal.

Washington, D.C.-based investment advisory firm Quantified Ventures will work with Baltimore to sell the bonds, typically, to environmentally-minded investors who want to advance greening projects. With EIBs, investment is recouped with interest, depending on the level of achievement of specified social or environmental indicators.

The best return on investment, though, may be in the Baltimore neighborhoods that see old pavement torn up, and the stormwater calmed and cleaned.





The Gunpowder Valley Conservancy

The Gunpowder River has been a source of drinking water for Baltimore for almost 150 years. Replenishment of our watershed woodlands has been crucial for the protection of this water supply. Native trees, shrubs, and grass stabilize banks and prevent erosion, remove pollutants, and provide wildlife habitat.

For the last 30 years the Gunpowder Valley Conservancy has diligently worked to preserve and protect this watershed, which stretches from southern Pennsylvania to the Chesapeake Bay. Two City-owned reservoirs – Loch Raven and Prettyboy – are part of the Gunpowder Valley. They provide our metropolitan region with some of the best drinking water in the nation.

Every year, Conservancy volunteers plant and maintain trees along the Gunpowder River. In the spring of 2018, their 300-plus volunteer crews planted 463 trees on 5.75 acres. Another big planting will take place in the fall 2018.

Additional work done by the Conservancy includes removing the protective tree wrappings that get these saplings through their early years when they are potential food for deer and other creatures. These must eventually be removed to allow growth.

Our partners, including the Gunpowder Valley Conservancy, the Prettyboy Watershed Alliance, and others, are important players in making sure that the water you drink remains pure and plentiful.





Stakeholder Violence Reduction Initiative

Aiming to Reduce Violence With Cleaner Neighborhoods

DPW is one of the collaborating agencies that participate in the Mayor's Violence Reduction Initiative (VRI). This interagency effort, calls for the rapid deployment of City resources in communities plagued by violence. For this, DPW has a "Rapid Response Team" that is dedicated to fulfilling requests for agency services in the designated VRI zones.

The team sharply focuses its efforts, addressing all solid waste service requests such as street and alley cleaning, boarding up open vacant buildings, lot mowing and cleaning and graffiti removal. The team's quick response accomplishes work that normally takes weeks to complete in about two days.

In the VRI areas, DPW utilizes "stepped up boarding." Once a vacant, open property is boarded, bad actors have been able to regain access by prying away wooden panels mounted by solid waste crews. "Stepped up boarding" consists of placing a 2"x 4" board across the entrance from the inside of the property and affixing it to the outside panel by screwing in bolts. This stymies efforts to illegally gain entry to the property.

In addition to the work in the VRI zones, DPW continues to respond to service requests received from citizens and to work proactively to keep all of our city clean. Public Works Director Chow notes that "This work requires prioritization of work requests coupled with good old fashioned sweat equity. Bureau of Solid Waste crews are to be commended for their efforts."



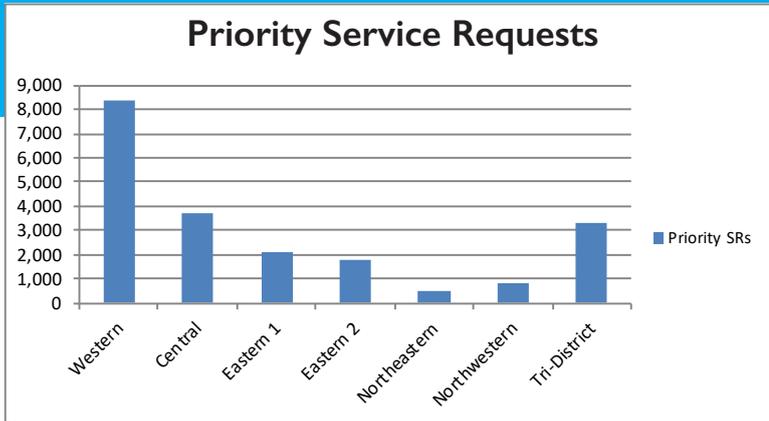
"The Fayette Street Outreach has been working with DPW. It's a great partnership, and 311 and VRI have been awesome. We can't thank Baltimore City enough. We support them 100 percent."

*Timothy Bridges
Fayette Street Outreach*

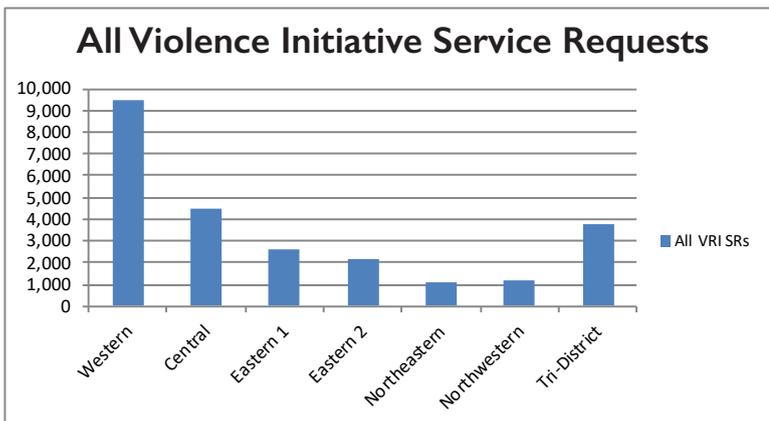


Violence Reduction Initiative Statistics

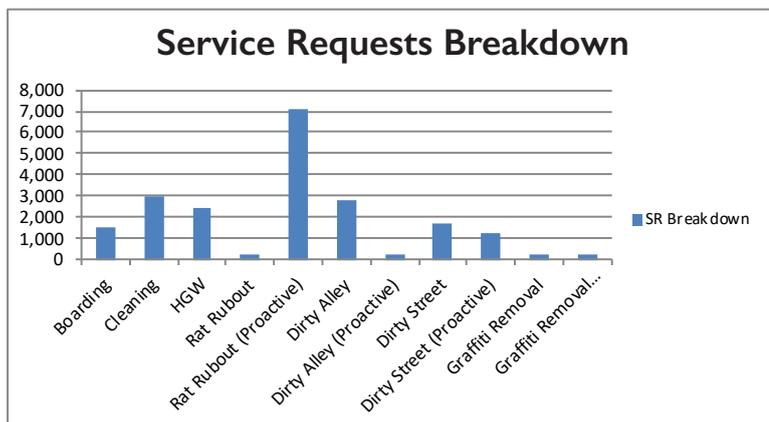
November 1, 2017 through June 28, 2018



*Priority Service Requests (SRs) per District



*All Violence Reduction (VRI) Service Requests (SRs) Breakdown



*HGW = high grass and weeds

Western	8,372	41%
Central	3,750	18%
Eastern 1	2,110	10%
Eastern 2	1,817	9%
Northeastern	495	2%
Northwestern	851	4%
Tri-District	3,350	16%
TOTAL:	20,745	100%

ALL SERVICE REQUESTS		
Western	9,481	38%
Central	4,477	18%
Eastern 1	2,637	11%
Eastern 2	2,201	9%
Northeastern	1,075	4%
Northwestern	1,197	5%
Tri-District	3,801	15%
TOTAL:	24,869	100%

ALL VRI ZONES		
Boarding	1,512	8%
Cleaning	2,965	16%
HGW	2,462	7%
Rat Rubout	277	2%
Rat Rubout (Proactive)	7,109	35%
Dirty Alley	2,753	13%
Dirty Alley (Proactive)	274	2%
Dirty Street	1,671	8%
Dirty Street (Proactive)	1,241	6%
Graffiti Removal	272	2%
Graffiti Removal (Proactive)	209	1%
TOTAL:	29,745	100%

Drinking Water – Renewed Mains and Secure Storage



Above: Overhead photo of Ashburton reservoir in the Hanlon Park Area.

Time marches on, and takes its toll on everything! As we rebuild our old infrastructure, we are creating stronger, safer projects that meet stricter environmental and public health standards.

Water Mains: Some of the pipes in Baltimore’s 4,500-mile network (including Baltimore County) date back to before the Civil War (1861-1865). But age is not the only factor that we use to determine when a pipe needs to be replaced.

Water mains go through years of freeze-and-thaw cycles in the soil. Pipes laid in the shifting sands on the south and east sides of the city are, in general, more vulnerable to breakage than the lines embedded in hard soil further to the north and west. Other pipes had manufacturing defects, were corroded by acidic soils, or had a history of continuous breaks related to a variety of causes.

DPW renews or replaces at least 15 miles of water main each year. Through skillful engineering and wise prioritization we can lessen the possibility of a disruption on any particular line, while also better managing long-term costs for our ratepayers.

Below: A water main repair in process.

Finished Drinking Water Reservoirs:

Protection of our finished drinking water is more important, and more regulated, than ever. Beginning with the Safe Drinking Water Act of 1972, ensuring the purity of the filtered and treated finished product has become increasingly more stringent.

Outdoor reservoirs like Druid Lake, Lake Ashburton, and Guilford Reservoir are now undergoing new construction so we can ultimately place our finished drinking water in underground tanks. The Druid and Ashburton projects will retain lakes that are an important environmental amenity within the surrounding parks and neighborhoods. The much smaller Guilford Reservoir will become a well-landscaped oasis.

We are making wise choices when it comes to infrastructure renewal. Indications are that the strategy we have mapped out, through the careful use of funding, is having positive results.



From the
PAN
to the
CAN



FATS OILS GREASE

FOG
(Fats, Oils, and Grease)

Baltimore's Fatberg Makes Headlines

A problem became an opportunity in late September 2017, when crews working for DPW discovered that a 24-inch sewer main in the midtown area of the City was severely clogged. A huge ball of grease had blocked 85 percent of the pipe. This fatberg was forcing sewer water to discharge into a nearby stream.

DPW immediately developed a plan to remove the fatberg, but also issued a news release and shared pictures and video of the clog on social media. Once residents got an up close look at the fatberg, they developed an interest in what happens to all that FOG (Fats, Oils, and Grease) that goes down the drain.

When DPW's Office of Asset Management developed a plan to bust up and remove the clog, reporters from all of the City's major media outlets gathered to watch, learn, and capture the removal on film. In addition to making local news, the story of Baltimore's fatberg ran in London's media, nationally on NPR's All Things Considered, and was even mentioned on Saturday Night Live's Weekend Update.

Better, the lesson of the fatberg helped open eyes to need for proper disposal of FOG and wipes, which also clog sewer pipes. The public heard and saw the message that FOG should be poured into containers and thrown out with the trash, and that only poo, pee, and toilet paper should go down a toilet.



Tips to keep your drains fat-free:

- Pour cooled fats, oils and grease into a container and put the container in the trash.
- Before washing, use a paper napkin or paper towel to wipe FOG from dishes and dispose of it in the trash.
- Use sink strainers to catch food waste.
- Put food scraps in the trash, not through the garbage disposal.

DPW Gets New ATLVs



ATLVs in front of the Shake and Bake Family Fun Center



New all-terrain litter vehicles



DPW and Governor Larry Hogan



New Litter-fighting Vehicles Hit the Street

DPW used a state grant to buy 15 new all-terrain litter vehicles (ATLVs). These vehicles expand cleaning operations for business districts and gateways into surrounding neighborhoods.

ATLVs can do the work of an additional 26 employees, helping the City maximize and extend its litter-fighting efforts. The machines will boost cleaning activity in the existing 19 Business Districts and traffic gateways in virtually every section of Baltimore City.

A \$500,000 grant from the Keep Maryland Beautiful program has allowed DPW to purchase the new ATLV's, which nearly triples the number of them in our fleet.

DPW unveiled the new ATLVs in June 2018 at the Shake and Bake Family Fun Center in West Baltimore, following an event with Maryland Gov. Larry Hogan.

The Keep Maryland Beautiful program is part of the Maryland Department of Housing and Community Development. The program focuses on neighborhood beautification through greening, citizen stewardship, community education, and litter removal.

DPW worked with Mayor Catherine E. Pugh's BMore Beautiful Program and the City's Environmental Control Board for the ATLV grant. Funding like this increases DPW's anti-litter efforts and supports the Mayor's vision of a cleaner, more beautiful Baltimore.



A Letter from a Community Partner

Minerva C. Eaton
Hilltop 4100 Neighborhood
Association President



My name is Minerva C. Eaton. I am the president of Hilltop 4100 Neighborhood Association. The purpose of this letter is to formally and publicly commend the DPW Sanitation Division for the excellent service provided in the Hilltop 4100 Neighborhood. In particular, I would like to address the Hilltop 4100 Corridor, which is the corner of Rogers and Reisterstown Road.

This area was maintained for years by a resident who is now deceased and is dedicated in honor of his memory. The residents and I would like to thank your crew for emptying the corner bus stop receptacle daily. Litter can collection is crucial in the health and beautification of the community. The Hilltop 4100 Gateway Corridor symbolizes to anyone who enters the community that we have a vested interest in where we live, work and play.

Entering into the Hilltop 4100 Community, there is evidence that our community has a great partnership with DPW. The residents' grass is manicured. The bushes are trimmed and trash is properly stored. Businesses are making sure the trash is removed in the front and back of the establishment. Kedrick McIntye, one of your staff members, regularly attends the meetings to give updates regarding sanitation violations and regulations for residential properties and businesses. Information about specific services including graffiti abatement, seasonal leaf collection and snow and ice removal is also discussed. Knowledge is POWER!

We invite anyone to take a tour of Hilltop 4100 and see that it is one the BEST communities in Baltimore City. Thanks Mr. Chow and DPW workers!

Sincerely,

Minerva C. Eaton



John L. Proctor Memorial Garden



DPW Community Liaison Kedrick McIntye and Hilltop 4100 President Minerva C. Eaton



Hilltop 4100 Community, investing in the community.

Small Businesses Network With Prime Contractors



DPW spends close to \$1 billion each year on operating and capital expenses, which makes growing the Baltimore area economy as much a part of our mission as supporting public health and the environment.

In April 2018, we brought small business owners together with some of the Department's larger contractors at "Face-Time with Primes."

Mayor Catherine E. Pugh and Director Rudolph S. Chow, P.E., both spoke at the event, emphasizing their focus on increasing minority- and woman-owned business participation on DPW contracts. Mayor Pugh called it an essential part of rebuilding and growing Baltimore. Guest speaker Robert Harrington, of R.E. Harrington Plumbing and Heating Company, recalled his struggle to grow his own firm and encouraged the small business owners.



"Face-Time with Primes" was coordinated by DPW's Office of Boards and Commissions. This office works with companies to prequalify them as capable of having the technical and financial wherewithal to do business with the City of Baltimore.

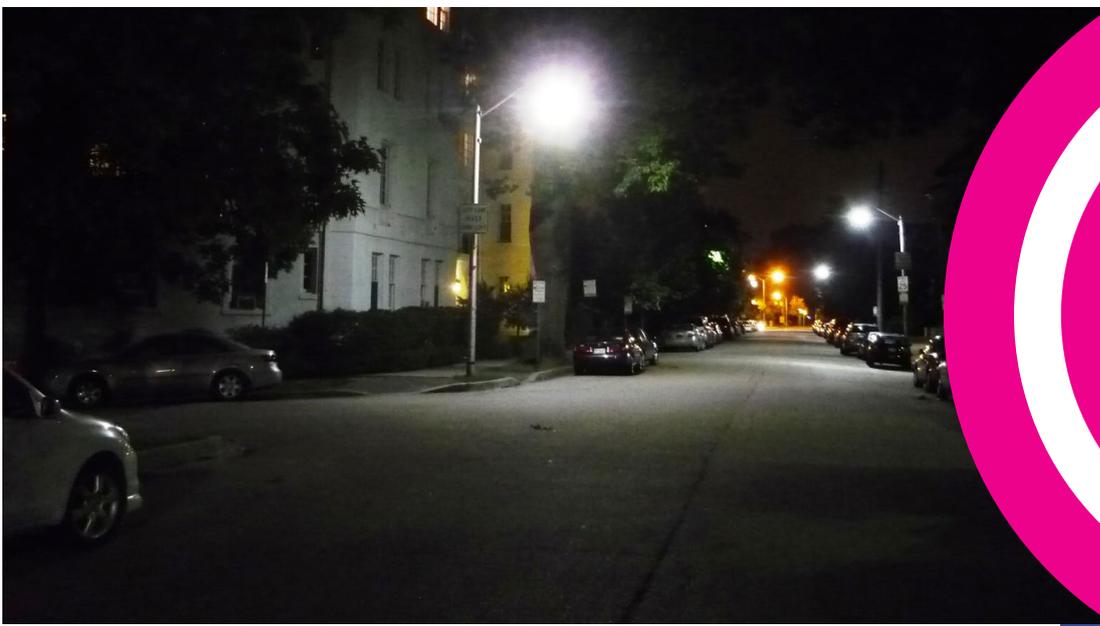
In addition to the "Face-Time with Primes," throughout fiscal year 2018, DPW worked to expand opportunities for small business development.



In the fall of 2017, DPW held its second Small Business Development Program, a 10-week training course designed to help local small-business owners boost their ability to compete for City construction contracts. Each June, DPW hosts the Design & Construction Presentation, where DPW joins other City agencies to describe the various capital projects scheduled to go to bid in the fiscal year beginning July 1.

For several years DPW has even been growing its own talent pool through the YH2O program, which trains high school graduates and GED holders for jobs at DPW and other water industry employers. Dozens of young people are gainfully employed and advancing in their careers after having completed this program.





Stakeholders

B'More Bright

DPW's Office of Sustainable Energy is leading the City of Baltimore to rethink how it uses, purchases, and creates energy. We even have solar energy and Combined Heat and Power facilities at our Back River Wastewater Treatment plant that create clean, renewable power.

Our energy decisions even impact the street lights that we use. When the sun goes down, the streets of a city can be scary, or vibrant. They can be bright and lively, or dull and dingy. The image created, and the sense of safety, can depend on the light fixtures.

That's the focus of the B'More Bright program, which the Office of Sustainable Energy is helping the Baltimore City Department of Transportation and BGE to implement.

Baltimore City has almost 77,000 streetlights and poles. Since 2012, more than 43,000 of these streetlights have been converted to brighter, cost-effective LED lamps. The Office of Sustainable Energy helped design a plan to pay for converting the remaining lights by using the savings the City realizes from the long life of LED lights, and their reduced energy usage.



By the Numbers

DPW's capital budget reached \$856.8 million during Fiscal Year 2018.

Due to the size and complexity of water and wastewater construction projects, DPW accounts for a majority of all City of Baltimore capital expenditures. Spending on water projects (\$358 million), wastewater projects (\$396.1 million), and stormwater projects (\$100.8 million) consumed the majority of the FY 2018 capital budget.

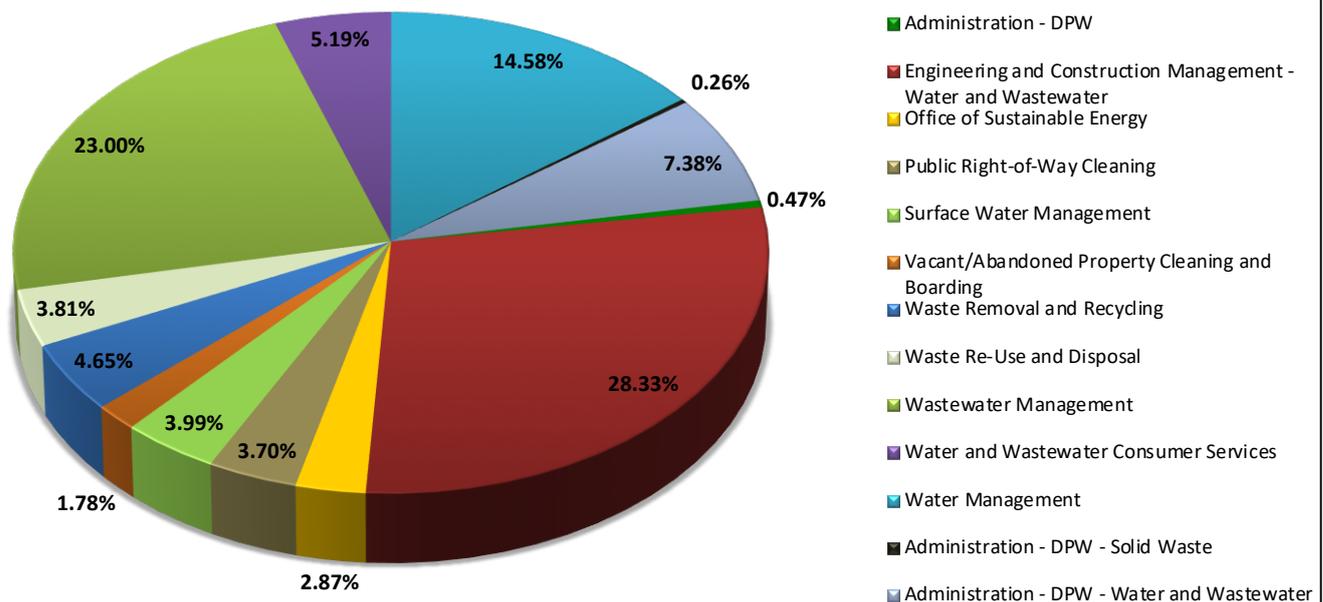
In recent fiscal years we have increased spending on major water, wastewater, and stormwater projects. These are designed to improve and protect the environment and safeguard the drinking water supply for

residents throughout the Baltimore region. DPW's FY 2017 capital budget stood at \$270.3 million, and at \$466 million in FY 2016.

That's a lot of money for construction, but it follows generations without significant investment in the City's water and sewer infrastructure. The old strategy kept water rates low, but now we must pay to upgrade aging water and sewer infrastructure.

DPW's water and wastewater budget is entirely supported by our water customers, and receives no support from general City funds. We recognize and respect the challenge that spending places on our water customers, and will continue to help balance affordability with vital water and wastewater projects.

Fiscal Year 2018 - Operating Budget by services (%)



Fiscal Year 2018 Operating Budget by Services (%)

Program Name	Total Budget	%
Administration - DPW	2,759,863	0.47%
Engineering and Construction Management - Water and Wastewater	167,425,206	28.33%
Office of Sustainable Energy	16,964,029	2.87%
Public Right-of-Way Cleaning	21,853,973	3.70%
Surface Water Management	23,578,197	3.99%
Vacant/Abandoned Property Cleaning and Boarding	10,514,137	1.78%
Waste Removal and Recycling	27,459,649	4.65%
Waste Re-Use and Disposal	22,537,221	3.81%
Wastewater Management	135,957,613	23.00%
Water and Wastewater Consumer Services	30,696,791	5.19%
Water Management	86,180,360	14.58%
Administration - DPW - Solid Waste	1,510,622	0.26%
Administration - DPW - Water and Wastewater	43,589,680	7.38%
Operating Budget Total	591,027,341	100.00%

Capital Budget		
Solid Waste	1,500,000	0.18%
Water	358,444,000	41.83%
Wastewater	396,067,000	46.23%
Stormwater	100,797,000	11.76%
Capital Budget Total	856,808,000	100%

AWA and RECOG



Utility of the Future Today

DPW was designated as a “Utility of the Future Today.” The program celebrates the progress and exceptional performance of the nation’s wastewater utilities. To obtain this recognition, utilities must demonstrate consistent, robust, and active engagement in areas that include: water reuse; watershed stewardship; beneficial bio-solids reuse; community partnering and engagement; energy efficiency; energy generation and recovery; and nutrient and materials recovery. This designation remains in effect until 2019. The Water Environment Federation, National Association of Clean Water Agencies, the Water Environment & Reuse Foundation, and the WaterReuse Association recognize the recipients of the Utility of the Future Today Recognition Program.



Civil Engineer of the Year

Rudolph S. Chow, P.E., DPW Director
Engineering Society of Baltimore



AWARDS RECOGNITION

Drinking Water Taste-Test Winner

Ashburton Water Filtration Plant
Chesapeake Section of the American Water Works Association.

NACWA Peak Performance Gold Award

Recognition award for excellence in permit compliance
A National Association of Clean Water Agencies (NACWA)

AMWA Gold Award

Award for exceptional utility performance
Association of Metropolitan Water Agencies (AMWA)

WEF Public Communication and Outreach Award

Award recognizes Water Environment Federation members for significant accomplishments in promoting public awareness through development of programs, outreach and communication programs. DPW won this award for the YH20 Water Mentoring Program. Water Environment Federation

Top 10 Best Tasting Water

Designation for American cities with the best drinking water
Best Life Magazine



Stay in the know. Follow us on social media

 facebook.com/BaltimoreCityDepartmentofPublicWorks

 flickr.com/photos/balTIMOREdpw

 nextdoor.com/gov/balTIMOREdpw

 twitter.com/BaltimoreDPW

 instagram.com/dpwBALTIMOREcity



Catherine E. Pugh
Mayor



Abel Wolman Building
200 Holliday Street
Baltimore MD 21202
publicworks.baltimorecity.gov