



Angela D. Alsobrooks
County Executive

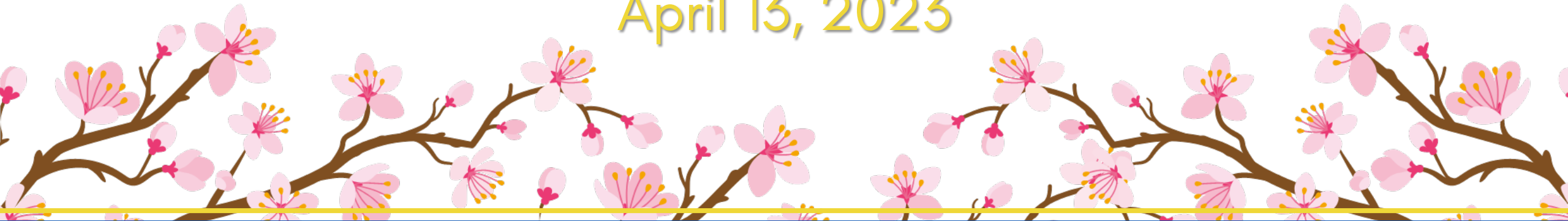


Michael D. Johnson, P.E.
Director



Community Partners' Meeting

April 13, 2023





Angela D. Alsobrooks
County Executive

Agenda



Michael D. Johnson, P.E.
Director

- Office of Highway Maintenance
 - Growing Green with Pride
 - Litter Blitz
- Office of Storm Drain Maintenance
 - Flooding
 - Arbor Day
 - Median Beautification
- Office of Transportation
 - Electric Buses Workshops
- Office of Engineering and Project Management
 - Sidewalk process



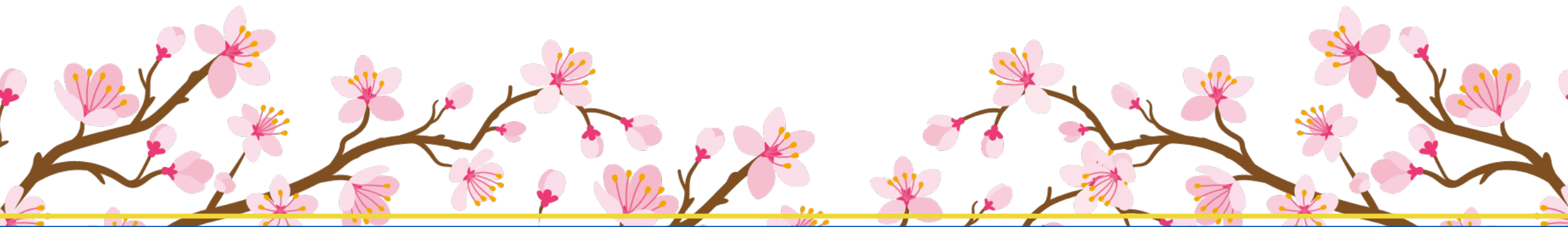


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Office of Highway Maintenance





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Growing Green with Pride



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GROWING GREEN
Prince George's county MARYLAND
WITH PRIDE

Help beautify our county by joining neighbors in your community for a day of cleaning, weed removal and mulching.

**SATURDAY
APRIL 22
8AM - 12PM**

RAIN OR SHINE

Students may earn service learning hours!
Contact Tonya Hairston at GrowingGreenWithPride@co.pg.md.us or 301-499-8641 for more information.

Registration is required for participation.
Please click the link below to register
<http://MyPGC.us/GrowingGreen>
by April 14th, 2023



IMPORTANT DATES AND INFORMATION FOR GROWING GREEN WITH PRIDE DAY SPRING 2023

Litter Supply and Mulch Pickup Dates and Location

Wednesday, April 19.....5 P.M. to 8 P.M.
Thursday-Friday, April 20-21.....8 A.M. to 4 P.M.
Saturday, April 22.....8 A.M. to noon

Department of Public Works and Transportation
MOC Building, 8400 D'Arcy Road, Forestville, MD 20747

Application Deadline

.....
FRIDAY
APRIL 14, 2023

PGCLitterTRAK Training Workshops

Tuesday, April 4, 2023, 6 PM to 7 PM
Tuesday, April 11, 2023, 6 PM to 7 PM
Tuesday, April 18, 2023, 6 PM to 7 PM

The Department of the Environment (DoE) designed PGCLitterTRAK to assist County residents, community organizations and businesses in reporting trash and debris collected during individual and group cleanup events.

Information submitted through PGCLitterTRAK including bags of litter removed, items collected and litter pick-up locations will assist DoE meet their trash reduction rate of 170,628 pounds per year within the Anacostia River Watershed.

Data provided will also help DoE develop real-time maps cataloging litter collected throughout the County.



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Concrete Repair



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- OHM handles the repair of existing sidewalks with damage that are sent in via PGC311 requests





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Litter Blitz



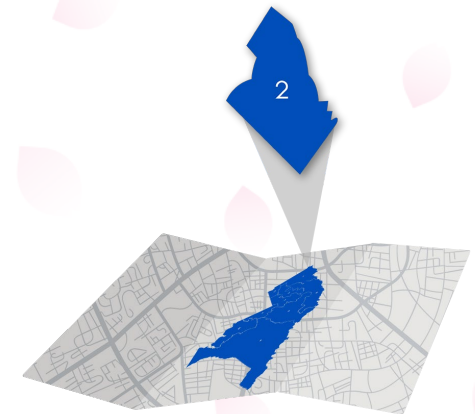
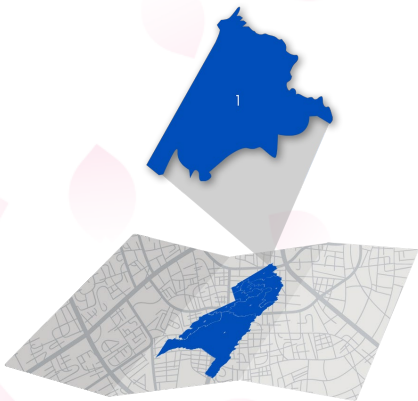
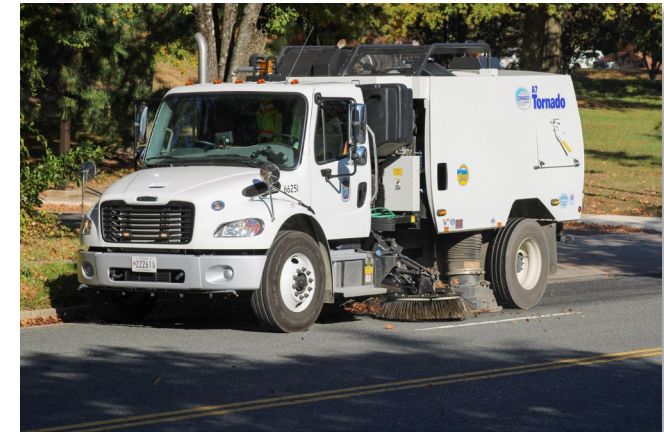
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County Litter & Mowing Blitz

TOTALS

Litter	Blitz Totals
Tonnage Collected	545.33
Total Linear Miles Collected	9,630.53
Total Number of Bags	19,723
# of Streets Completed	5,218
Mowing	Blitz Totals
Total Acreage	3,008.93
Sweeping	Blitz Totals
Total Curbed Miles Completed	1,230.51
# of Streets Completed	422



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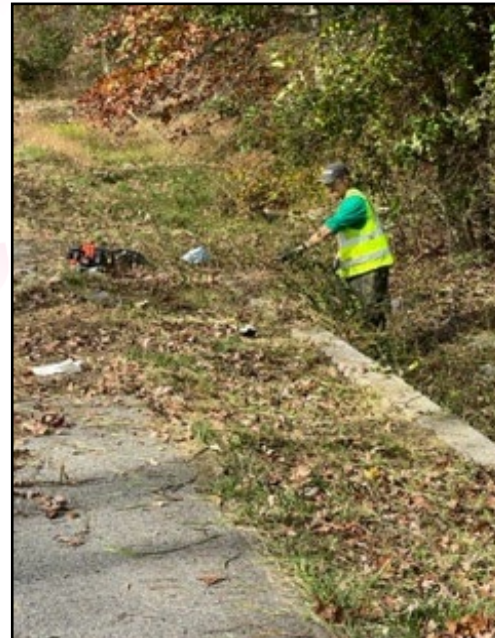
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Mowing & Street Sweeping



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- Rural and roadside mowing
- Street sweeping will begin Spring 2024 on major roadways



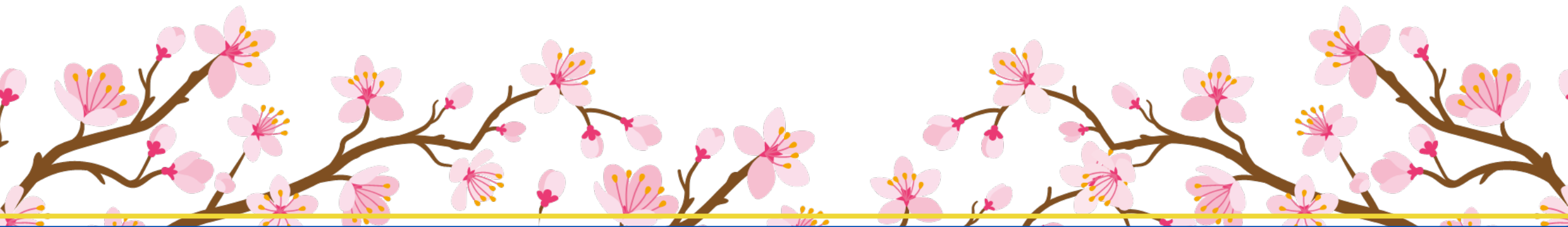


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Office of Storm Drain Maintenance





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OSDM: What We Do



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Director

The Office of Storm Drain Maintenance provides maintenance and management of stormwater infrastructure throughout Prince George's County.

- Drainage structures
- Public Storm drain Systems
- SWM Facilities
- Compliance of Consent Decree
- Maintenance of levees, pumping stations, high hazard dams (19 and growing),
 - Levees - 8 levee systems over 7 miles, average age is 56 years
 - Pumping Stations - Allison Rd, Brentwood, Bladensburg, Edmonston, Colmar Manor
- Customer Service Requests (PGC311), 18,000 drainage complaints
- 100-200 small drainage projects per year
- Stormwater and flood control channels - 67 permitted channels plus an additional 18
- Right Tree Right Place



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What We Do – Drainage Projects



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Director

18,000
drainage complaints
annually



Resolve customer
service requests (311)

800+
stormwater drainage
facilities

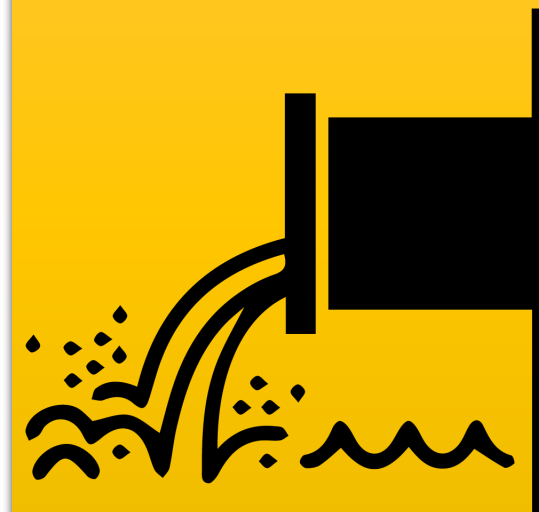


1200+ by 2025

100 - 200
small drainage
projects per year



750+
miles of storm drain





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What We Do – Drainage Projects



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Director

8 Levees
over 7 miles



Average age is
56 years

5 Pumping Stations



67 Permitted Channels



18 additional
channels maintained

Jurisdiction

County Right of Way
Public levees
Pumping stations

NOT

Groundwater issues
Private drainage issues
State roads
Municipal roads



Why are we talking about flooding?



PDS-based precipitation frequency estimates with 90% confidence intervals (in inches)¹

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.358 (0.325-0.394)	0.430 (0.390-0.473)	0.511 (0.463-0.563)	0.570 (0.515-0.628)	0.646 (0.580-0.712)	0.702 (0.627-0.775)	0.758 (0.672-0.838)	0.812 (0.716-0.902)	0.882 (0.768-0.985)	0.937 (0.809-1.05)
10-min	0.572 (0.519-0.629)	0.688 (0.624-0.756)	0.818 (0.741-0.901)	0.912 (0.824-1.00)	1.03 (0.924-1.14)	1.12 (0.998-1.23)	1.21 (1.07-1.33)	1.29 (1.13-1.43)	1.40 (1.22-1.56)	1.48 (1.27-1.66)
15-min	0.715 (0.649-0.787)	0.864 (0.784-0.950)	1.03 (0.938-1.14)	1.15 (1.04-1.27)	1.31 (1.17-1.44)	1.42 (1.26-1.56)	1.52 (1.35-1.68)	1.63 (1.43-1.80)	1.76 (1.53-1.96)	1.85 (1.60-2.08)
30-min	0.981 (0.889-1.08)	1.19 (1.08-1.31)	1.47 (1.33-1.62)	1.67 (1.51-1.84)	1.93 (1.73-2.13)	2.13 (1.90-2.35)	2.33 (2.07-2.58)	2.53 (2.23-2.81)	2.79 (2.43-3.12)	3.00 (2.59-3.37)
60-min	1.22 (1.11-1.35)	1.50 (1.36-1.65)	1.89 (1.71-2.08)	2.18 (1.97-2.40)	2.57 (2.31-2.84)	2.89 (2.58-3.19)	3.21 (2.85-3.55)	3.55 (3.13-3.94)	4.01 (3.49-4.48)	4.38 (3.78-4.92)
2-hr	1.42 (1.29-1.57)	1.73 (1.57-1.91)	2.19 (1.99-2.42)	2.55 (2.30-2.81)	3.06 (2.74-3.37)	3.47 (3.09-3.83)	3.91 (3.46-4.31)	4.36 (3.83-4.83)	5.01 (4.34-5.58)	5.53 (4.75-6.21)
3-hr	1.52 (1.38-1.69)	1.85 (1.68-2.06)	2.35 (2.12-2.60)	2.75 (2.47-3.04)	3.31 (2.93-3.66)	3.78 (3.35-4.18)	4.27 (3.75-4.73)	4.80 (4.18-5.33)	5.55 (4.77-6.19)	6.17 (5.23-6.93)
6-hr	1.86 (1.69-2.07)	2.26 (2.05-2.51)	2.85 (2.58-3.17)	3.34 (3.00-3.70)	4.06 (3.62-4.50)	4.69 (4.13-5.19)	5.34 (4.67-5.93)	6.06 (5.24-6.76)	7.19 (6.06-8.00)	8.01 (6.71-9.05)
12-hr	2.25 (2.02-2.52)	2.71 (2.44-3.05)	3.45 (3.09-3.87)	4.08 (3.64-4.57)	5.04 (4.44-5.63)	5.87 (5.13-6.57)	6.80 (5.87-7.63)	7.84 (6.67-8.82)	9.42 (7.84-10.7)	10.8 (8.82-12.3)
24-hr	2.60 (2.37-2.90)	3.15 (2.87-3.52)	4.07 (3.69-4.53)	4.87 (4.40-5.41)	6.09 (5.47-6.73)	7.17 (6.39-7.89)	8.40 (7.41-9.20)	9.78 (8.54-10.7)	11.9 (10.2-13.0)	13.8 (11.7-15.0)

June 5, 2020: 50-100-year event

July 3, 2022: 100-200-year event

August 3, 2020: 100-500-year event

Sept. 10, 2020: 500-1000-year event

August 8, 2022: 500-year event



We all have a role to play:



- **Abutters Ordinance:** Homeowner is responsible for cleaning small debris, leaves and small trash.

County Code Sec. 23-151

It shall be the duty of the owner or lessor of any real property, improved or unimproved, unless such duty has been delegated to a lessee in actual possession, as the case may be, to prevent the deposit of dirt, sediment, debris, gravel, oil, litter, or any other matter, including portable storage containers in a road right-of-way, or in any drain or ditch designed to carry surface water from a road right-of-way, whether improved or not. For the purpose of this Section, the deposit of oil shall include the drainage or leakage of oil, transmission fluid, antifreeze, and similar substances from a vehicle or machine in addition to the discharge or dumping of such substances by any other means. The prevention of the deposit of silt in the road right-of-way shall not apply where a temporary approved sediment trapping device has been constructed in the right-of-way as part of an ongoing development construction project. It shall also be the responsibility of said person to prevent the formation of algae on sidewalks located within the right-of-way.

- Clear debris from the curb line and on top of catch basins so stormwater can flow freely down the street and into the sewer system.
- Report concerns to assist OSDM operation by Submit a PGC311 Request
- Join us and other community member in the County's clean up events.



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MDE – Consent Decree



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Director

Consent Decree – OSDM maintains over 800 SWM facilities which includes 160 identified in the Consent Decree as failing

- Due December 31, 2024
- 50-75 ponds fall into failing status in an average year
- Focus is on compliance

What are you going to see?

- Functional and corrective maintenance on all failing County-maintained SWM facilities
- Sediment Removal
- Clearing of inflow/outflow
- Tree removal from embankments
- No plantings – Matting, topsoil, seed mix on disturbed areas





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Right Tree Right Place



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- Tree canopy is decreasing Countywide (due to development)
- Net Loss: 7,114 Acres
- Relative decrease in tree canopy between 2014-2018 was 4.3%
- Tree Solutions Now Act of 2021 (HB991)
- The Maryland General Assembly has a goal to plant 5,000,000 trees goal by 2031.
- Prince George's Climate Action Plan
- Priority Recommendation M-11 - "No Net Loss"
- To maintain the county's existing tree cover through 2030 and increase tree cover to 55% by 2050

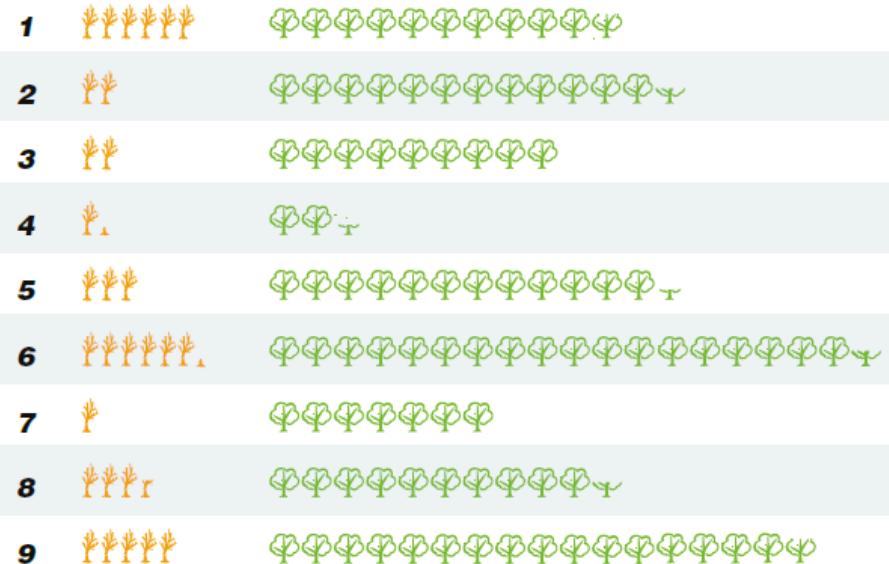


RIGHT TREE RIGHT PLACE

Prince George's County Tree Removal & Planting Program

Prepared By:
the Neighborhood DesignCenter
04.11.23

Trees Removed & Planted Per Council District FY11-FY23



66,724
total trees planted

18,114
total trees removed

Key

- 500 trees planted
- 500 dead or damaged trees removed

300+
participating communities

90+
species of trees have been planted between FY 2011-2022

500+
miles of county roadway have received tree plantings

All Data Recorded Between 2011-2023



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Arbor Day



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- Arbor Day in Prince George's County is April 28, 2023 beginning at 8:30am
- The location is:
Francis Scott Key Elementary School
2301 Scott Key Drive
Capitol Heights, MD. 20743
- The lead partner is the Prince George's County Beautification Committee.
- Some other partners include: M-NCPPC, DOE, NDC, Forestry Board, School Board, etc.

Arbor Day 2023

Francis Scott Key Elementary School
2301 Scott Key Dr., District Heights, MD 20743

Francis Scott Key Elementary School is the 2023 selected site for the official Prince George's County Arbor Day program. A plant palette of Maryland-native trees and shrubs was chosen to provide blooms near the school's main entrance, shade for the playground, and create a diverse forest ecosystem at the southern tree line. A Southern Magnolia near the entrance to the school grounds will serve as the County's 2023 Arbor Day ceremonial tree.

<ul style="list-style-type: none"> Witch Hazel: 3 <i>Hamamelis virginiana</i> Eastern Redbud: 2 <i>Cercis canadensis</i> Downy Serviceberry: 3 <i>Amelanchier arborea</i> Coastal Serviceberry: 2 <i>Amelanchier obovata</i> American Hornbeam: 2 <i>Carpinus caroliniana</i> Hickberry: 2 <i>Celtis occidentalis</i> 	<ul style="list-style-type: none"> Southern Magnolia: 1 <i>Magnolia grandiflora</i> Southern Red Oak: 2 <i>Quercus falcata</i> Willow Oak: 2 <i>Quercus phellos</i> Tulip Poplar: 2 <i>Liriodendron tulipifera</i> Black Tupelo: 2 <i>Nyssa sylvatica</i>
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Tree Labels:

- Hackberry: *Celtis occidentalis*
- American Hornbeam: *Carpinus caroliniana*
- Willow Oak: *Quercus phellos*
- Southern Red Oak: *Quercus falcata*
- Witch Hazel: *Hamamelis virginiana*
- Black Tupelo: *Nyssa sylvatica*
- Southern Magnolia: *Magnolia grandiflora*
- Tulip Poplar: *Liriodendron tulipifera*
- Eastern Redbud: *Cercis canadensis*
- Coastal Serviceberry: *Amelanchier arborea*

Logos: Prince George's County, Prince George's County Beautification Committee, ENVIRONMENT AND FORESTRY, PGPCS, the Neighborhood Design Center



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Median Beautification Pilot



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BENEFITS OF GREEN STREETS

- Increased habitat and biodiversity
- Healthier communities leading to lower healthcare costs through improved air and water quality
- Economic prosperity and growth by supporting and enhancing local and small businesses
- Reduced urban “heat island” effect
- Decreased energy costs from renewable energy sources (e.g., solar power)
- Increased publicly available green and recreation space
- Job creation (traditional and green jobs)
- Increased property values and decreased infrastructure costs (e.g., sewer piping)



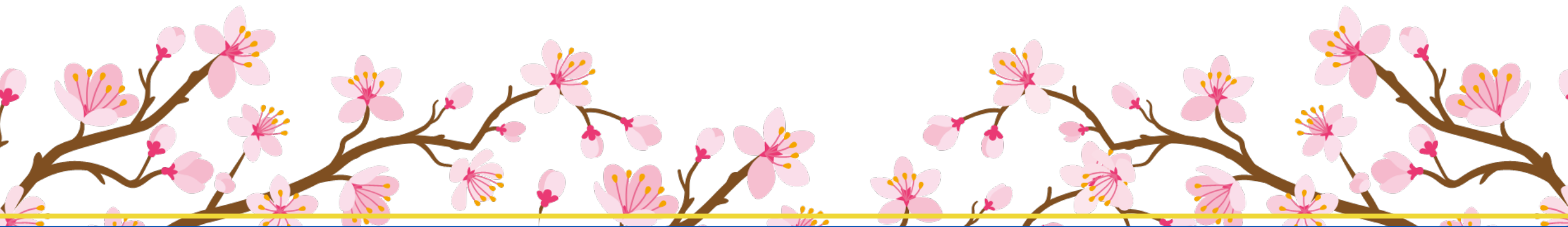


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Office of Transportation





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Battery Electric Bus Initiative



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BEB Pilot Testing Updates



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- DPW&T began pilot testing the Battery Electric Buses on October 31, 2022
- DPW&T has since deployed all 12 Battery Electric Buses into revenue service on several routes; 51X, 30, 15X, 24, and 21
- 6 additional Battery Electric Buses currently on order, with an expected delivery date of February 2024
- To date, the buses have been performing well and operator feedback has been mostly positive
- Challenges; Cold weather severely impacts battery range



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BEB Pilot Testing Updates continued



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- DPW&T has partnered with MOEV, Inc. on a one year pilot program to analyze the data received from the electric buses and charging stations
- MOEV, Inc. is a software company that will analyze the data received from the electric buses and chargers to assist DPW&T with its electric bus and charging station utilization strategies;
- This will result in increased electric bus utilization, lower GHG emissions from the transit fleet, lower utility and maintenance costs, and more productive and analytical operational decisions



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BEB Public Workshop



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ROAD TO 2040



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PRINCE GEORGE'S COUNTY IS MOVING TOWARDS A GREENER PLANET.

By 2040, our entire fleet will be zero-emission. From cleaner air to quieter neighborhoods, the benefits of zero-emission buses (ZEBs) make this innovative transition an easy choice for The County. Hear about TheBus's transition to zero-emission buses and provide feedback to The County on how you'd like to see transit go green!

LEARN MORE ABOUT THE TRANSITION TO ZERO-EMISSION BUSES!

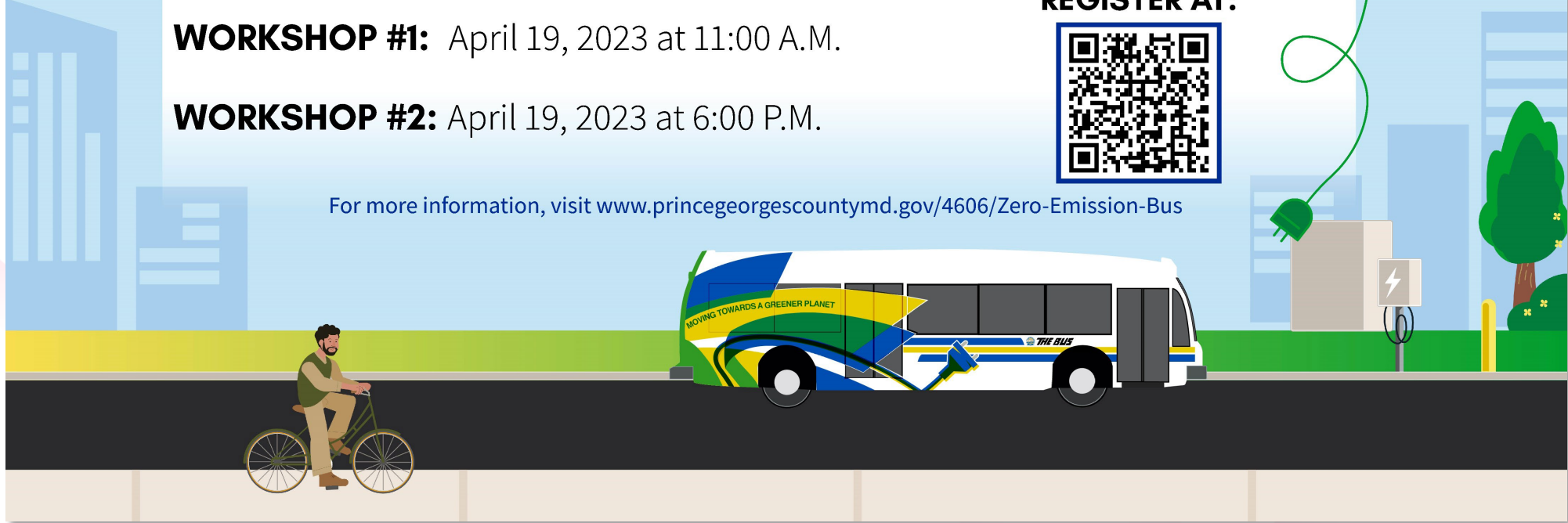
WORKSHOP #1: April 19, 2023 at 11:00 A.M.

WORKSHOP #2: April 19, 2023 at 6:00 P.M.

REGISTER AT:



For more information, visit www.princegeorgescountymd.gov/4606/Zero-Emission-Bus



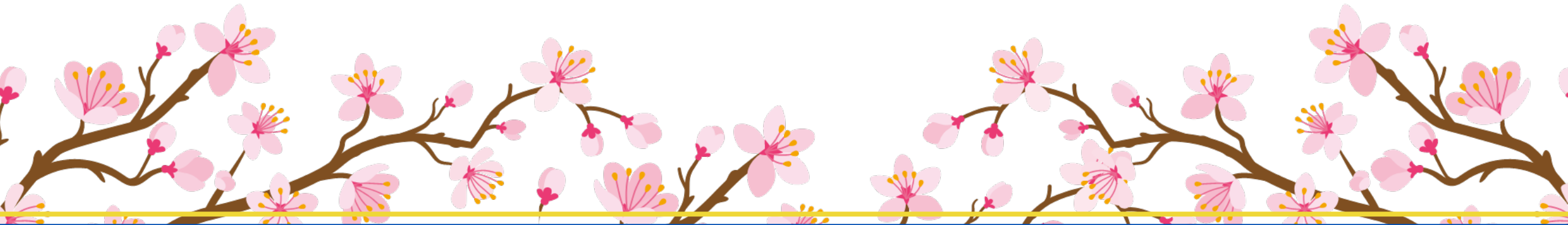


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Office of Engineering & Project Management





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Concrete Management



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- DPW&T has started an in-depth review of every outstanding 311 request for concrete repairs
- Additional contractor resources have been added to address outstanding requests
- In process of analyzing additional techniques to address minor trip hazards on sidewalks





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Hello Spring!

Thank you for your continued partnership!

*Call to action: Please follow us on social media @PGCountyDPWT
Or view our website at dwpt.mypgc.us*

