

Clean Energy Actions	FY23 Plans	FY23 Accomplishments	FY24 Plans
E-1: Community Choice Energy Program	<p>DEP:</p> <ul style="list-style-type: none"> - Proposed regulations governing the aggregation program need to be finalized by the PSC's Community Choice Energy workgroup in FY23. DEP will develop the operating principles of the aggregation program, such as defining the price tier structure and will continue to work through CCE operational issues in anticipation of a planned launch of the program in October 2024. 	<p>DEP:</p> <ul style="list-style-type: none"> - The Community Choice Aggregation work group sent revised draft regulations to the Public Service Commission on April 25, 2023. The Commission held a rulemaking session on June 1, 2023 to discuss the revised regulations. Because there remained a number of non-consensus issues, the Commissioners directed the workgroup to continue to work on the regulations and submit a revised set of regulations by June 30, 2023. (CAP Action E-1) 	<p>DEP:</p> <p>Continue to work with the Public Service Commission and other parties to complete the steps necessary to implement a Community Choice Aggregation program, including finalization of the regulations governing operation of the program, approval of an Aggregation Plan, and adoption of a local law authorizing the creation of a CCA program. Due to electricity procurement issues, a County CCA would deliver power no earlier than June 1, 2026.</p>
E-2: Private Building Solar Photovoltaic Code Requirements	<p>DPS:</p> <ul style="list-style-type: none"> - Work to adopt the 2021 building codes, including the International Energy Conservation Code. - Expand SolarApp to EV charging and battery storage permits. 	<p>DPS:</p> <ul style="list-style-type: none"> - The 2021 building code adoption cycle is underway, including the Montgomery County Energy Code and the International Green Construction Code. - DPS received Council approval of Chapter 17 regulations, which will enable DPS to launch the e-solar (instant permit program) pilot, an expedited third-party review process for solar installations. DPS plans to expand the program throughout the fiscal year. 	<p>DPS:</p> <ul style="list-style-type: none"> - Enforcement of new codes will start spring of 2024, no later than May 30th.

<p>E-3: Promote Private Solar Photovoltaic Systems</p>	<p>DEP:</p> <ul style="list-style-type: none"> - DEP will continue to expand residential solar deployment in FY23 through the 2022 Capital Solar Co-op and other initiatives. The installs for the FY22 Capital Solar Coop participants will be completed in early FY23. - In Summer 2022, DEP will wrap up a stakeholder input process on how to incorporate a renewable energy allowance for Building Energy Performance Standards and release a recommendations report that will inform the BEPS Regulations. - DEP will develop a Clean Energy Action Plan expanding on content from the CAP to outline changes we need to advocate for at the state level to decarbonize the County’s energy supply to achieve our climate goals. <p>MCGB:</p> <ul style="list-style-type: none"> - Continue efforts to work in all solar PV areas - commercial solar, community solar, homeowner solar - using a variety of investment structures, including power purchase agreements, commercial loans, and C-PACE. - Focus on private commercial properties, nonprofits, faith-based entities, schools, affordable housing, and homeowners. - Continue to focus on equitable access to financing of solar PV for homeowners and affordable rental properties. 	<p>DEP:</p> <ul style="list-style-type: none"> - DEP continued to expand residential solar deployment in FY23 through the 2023 Capital Area Solar Switch (formerly known as the Solar Co-op) in partnership with Solar United Neighbors of Maryland and other initiatives. The 600+ committed solar installs for the 2023 Solar Switch program will be completed by January 2024. - In July 2022, DEP published a stakeholder recommendations report, describing their thoughts on how to incorporate a renewable energy allowance (REA) for Building Energy Performance Standards. The Proposed BEPS Regulations that were published in the November 2023 Register include provisions for an REA--these Executive Regulations will be transmitted to the County Council by December 31, 2023. - DEP is developing a Clean Energy Action Plan expanding on content from the CAP to outline changes we need to advocate for at the state level to decarbonize the County’s energy supply to achieve our climate goals. d. Fully executed \$50,000 agrivoltaic research contract with the University of Maryland was completed in June 2023 which will provide the County with foundational insight regarding the agricultural, economic, regulatory, and cultural barriers to co-location of agriculture and solar power to reduce emissions and build resilience 	<p>DEP:</p> <ul style="list-style-type: none"> - In collaboration with Washington, D.C.; Arlington and Falls Church in Virginia; Prince George’s, Frederick. Montgomery County including the Town of Poolesville and Maryland cities Bowie, Frederick, Gaithersburg, Rockville, and Takoma Park, DEP will promote the Capital Area Solar Switch program from April to August 2024, with the goal of adding another 600 solar PV systems in Montgomery County. - Following the adoption of the BEPS Executive Regulation, DEP will release Technical Guidance for building owners on how to comply with BEPS, including details on how to access the REA and correctly benchmark renewable energy systems in ENERGY STAR Portfolio Manager. - DEP will continue to make progress on a Clean Energy Action Plan in FY24. Complete the University of Maryland agrivoltaic research project including: conduct literature review and convene focus groups to identify potential technical, socio-political, and economic barriers; create ranking analysis to show how scientific dimensions of co-location intersect with the social and political barriers. <p>MCGB:</p> <ul style="list-style-type: none"> - MCGB aims to catalyze at least 3.5 MW of clean energy in FY24. <p>DPS:</p>
--	---	--	---

	<p>OAG:</p> <ul style="list-style-type: none"> - Work with the Green Bank, DEP to inform farmers of what can be done for solar installation. Get agrivoltaic pilot project up and running. 	<p>to the climate impacts affecting food supply and security.</p> <p>MCGB:</p> <ul style="list-style-type: none"> - MCGB catalyzed 12 clean energy projects in FY23 with a total investment value of \$13 million. These projects consisted of distributed solar projects in the residential, commercial, condo, affordable rental, and faith-based sectors. The projects totaled almost 3 MW of clean energy. <p>DPS:</p> <ul style="list-style-type: none"> - DPS received Council approval of Chapter 17 regulations, which will enable DPS to launch the e-solar (instant permit program) pilot, an expedited third-party review process for solar installations. DPS plans to expand the program throughout the fiscal year. 	<ul style="list-style-type: none"> - DPS will transition out of pilot phase early 2024 and will work with local installers through outreach
<p>E-4: Public Facility Solar Photovoltaic Installations and Groundwork</p>	<p>DEP:</p> <ul style="list-style-type: none"> - Depending on cost and grant funding, the County hopes to break ground on the project sometime in FY23 and establish a contract with UMD's Urban Ecosystem and Sustainable Built Environments Laboratory to conduct research related to the agricultural and economic viability of agrivoltaics. While there is \$50,000 in the FY23 budget, supplemental funds will be needed. Funding through DOE's FARMS grant and other sources will be sought. 	<p>DGS:</p> <ul style="list-style-type: none"> - Oaks landfill solar under construction a. Oaks landfill solar completed and ready to energize. - Animal Shelter microgrid project is completed and operational. EMTOC entering design phase. b. EMTOC design phase almost complete; will begin construction in the 2nd quarter of FY24 Phase 1 and 2 of the Brookville Smart Bus Depot are complete and operational - The RFP is being prepared. RFP will be awarded and will released FY25 after grant notification is released. <p>MC:</p>	<p>DGS:</p> <ul style="list-style-type: none"> - Oaks landfill solar completed and ready to energize. - EMTOC design phase almost complete; will begin construction in the 2nd quarter of FY24 <p>MCPS:</p> <ul style="list-style-type: none"> - Installation of new solar systems, through a Power Purchase Agreement (PPA), at 8 schools (including one solar expansion at an existing school) planned for FY24 and summer of 2024. - Off-site ground mounted solar located in the PJM region construction nearing

<p>DGS:</p> <ul style="list-style-type: none"> - Evaluate potential of expanding Oaks Landfill 6MW Solar Project - Microgrid project is underway at the Animal Shelter building; it will be completed in FY23. - Microgrid project underway at Equipment Maintenance & Transit Operations Center; phase I- Solar PV will begin FY23. - Phase 1 of Brookville bus maintenance facility microgrid project will be completed by the start of FY23. Expedite Phase 2 of the project in FY23 to enable up to 70 EV buses to be charged at this location; includes installation of 2 additional onsite generation units and 10-15 additional EV chargers. - Issue solicitation for solar installations on County facilities. <p>MCGB:</p> <ul style="list-style-type: none"> - Continue engagement with County departments to explore means that MCGB can offer support. <p>MCPS:</p> <ul style="list-style-type: none"> - Anticipates 4 solar sites to be installed at schools in FY23 (including 1 solar expansion of an existing school). Initiate design for an additional 4 solar sites. - Purchase off-site ground-mounted solar in PJM region. 	<ul style="list-style-type: none"> - The college is in the process of upgrading the thermal storage capacity at the Rockville and Takoma Park campuses. This technology allows the college to control electricity demand daily and avoids expensive charges in our utility bills. In addition, the thermal storage technology allows the electric grid to maintain some level of reliability, which benefits the county residents. - Montgomery College previously reported activity on the 33 kW solar array located on the Science West Building on the Rockville Campus. The interactive dashboard is located here: https://www.solrenview.com/SolrenView/mainFr.php?siteId=4770 <p>MCPS:</p> <ul style="list-style-type: none"> - Work continued on the design of 8 solar sites to be installed at schools (including one solar expansion of an existing school); installation now planned for FY24. - Off-site ground-mounted solar located in the PJM region is under construction, target operational date FY24. - Work continued design of a pilot for solar canopy in a parking lot to be installed in 2024, through a grant from MEA. - Location for pilot solar parking lot lighting changed to alternate site; design underway. <p>M-NCPPC-Parks:</p>	<p>completion; target operational dates December 2023 and May 2024.</p> <ul style="list-style-type: none"> - Complete design and installation of pilot solar canopy/parking lots and parking lot lighting projects. - Evaluate additional facilities for solar potential and issue Request for Proposals (RFP) for new PPA. <p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Installing 66KW solar system at Black Hill maintenance yard, will be complete in FY24. - Will complete construction of net-zero SEED classroom, which has a 6 kW solar array to cover the energy use of the facility. - Advocating for additional CIP funds for energy conservation and clean energy projects. - Installing 11 kW solar system on new equipment shed for Laytonia Recreation Park. <p>OAG:</p> <ul style="list-style-type: none"> - The OAG can aide solar firms interested in establishing solar installations on public facilities by connecting them to the appropriate departments. The property the office is located on is operated as a public park by the M-NCPPC. This being said, the OAG tries to keep track of solar installations in the county and is aware of 7 installations on public land.
--	--	--

	<ul style="list-style-type: none"> - Conduct pilot for solar canopy in a parking lot; this project will be completed in FY24 through a Maryland Energy Administration grant. - Conduct pilot project for solar parking lot lights. - Through a continued partnership with DGS: collaborate on a joint RFP for a batch of solar installations as a collaborative purchasing effort. Number of schools that will be included in the RFP is not finalized. - Complete execution of FY22 RFP for Power Purchasing Agreement for solar at 8 schools. <p>M-NCPPC Parks: Installation of a 67 kW rooftop solar array at Blackhill Maintenance Yard will begin, with an estimated annual production of 80,000 kWh. - Recently contracted out two rooftop solar installations on Meadowbrook and Wheaton Maintenance Yards. Construction will begin next fiscal year. The two systems combined are 122 kW rooftop arrays with an estimated annual production of 169,000 kWh.</p>	<ul style="list-style-type: none"> - Contracted out installation of 66KW solar system at Black Hill maintenance yard, will be complete in FY24. - Completed installation two rooftop solar arrays on Meadowbrook and Wheaton Maintenance Yards. The two systems combined are 122 kW rooftop arrays with an estimated annual production of 169,000 kWh. - Parks is still constructing the SEED Classroom at Black Hill Regional Park that will serve as a public education piece on green building; the classroom will be net-zero with a 6 kW solar array. <p>OAG: - The OAG can aide solar firms interested in establishing solar installations on public facilities by connecting them to the appropriate departments. The property the office is located on is operated as a public park by the M-NCPPC. This being said, the OAG tries to keep track of solar installations in the county and is aware of 7 installations on public land.</p>	
<p>E-5: Advocate for a 100% Renewable Portfolio Standard by 2030</p>	<p>DEP: - DEP will continue to engage in the 100% RPS Study Work Group convened by Maryland's Department of Natural Resources.</p>		

Building Actions	FY23 Plans	FY23 Accomplishments	FY24 Plans
<p>B-1: Electrification Requirements for Existing Commercial and Public Buildings</p>	<p>DGS:</p> <ul style="list-style-type: none"> - Convert Holiday Park senior center to a net-zero building. This project is the County’s first net-zero conversion of an existing building and will include installation of solar glass windows. DGS will track the performance of the solar glass to capture learning from the costs and issues associated with converting this building to net-zero. Will apply lessons learned to other County facilities. - Plans to implement approximately 20 lighting retrofit projects at County facilities. - Plans to implement approximately 18 Monitoring Based Commissioning (MBCx) projects at County facilities and upgrade Building Automation Systems. <p>MCPS:</p> <ul style="list-style-type: none"> - Look for most efficient equipment as MCPS completes HVAC projects on existing buildings. - Use Maryland Energy Administration grant to determine approaches for decarbonizing existing school buildings. - MCPS's Sustainability Initiatives capital project was approved in the FY23 budget. Projects will include retrofits to improve energy efficiency and upgrades to building automated systems. 	<p>DGS:</p> <ul style="list-style-type: none"> - Holiday Park Senior Center net zero project re-scheduled to allow for cross coordination with other capital improvement projects at Holiday Park Senior Center. Completed 20 lighting retrofit projects FY23. <p>MCPS:</p> <ul style="list-style-type: none"> - As MCPS completes HVAC projects on existing buildings, MCPS is looking for the most efficient equipment. - MCPS grant from the Maryland Energy Administration to determine approaches for decarbonizing existing school buildings progressing; work product expected next winter. - Prepare systemwide Greenhouse Gas Inventory Report using same methodology as County 	<p>DGS:</p> <ul style="list-style-type: none"> - Holiday Park Senior Center net zero project re-scheduled to allow for cross coordination with other capital improvement projects at Holiday Park Senior Center. Targeting for completion 10 lighting retrofit projects FY24. <p>MCPS:</p> <ul style="list-style-type: none"> - Finalize report on Net Zero Energy for New and Existing Construction (expected early 2024). - Share Greenhouse Gas Report with the Board of Education to inform future planning.

	<ul style="list-style-type: none"> - As MCPS completes HVAC projects on existing buildings, MCPS is looking for the most efficient equipment. - MCPS will use grant from the Maryland Energy Administration to determine approaches for decarbonizing existing school buildings. - MCPS's Sustainability Initiatives capital project was approved in the budget for FY23. Projects will include retrofits to improve energy efficiency, and upgrades to building automated systems. <p>DEP: See Action B-5 for the FY23 update.</p>		
<p>B-2: Electrification Requirements for Existing Residential Buildings</p>	<p>DEP:</p> <ul style="list-style-type: none"> - The FY23 operating budget includes a new position that will focus on policies and programs to reduce GHG emissions from the residential sector. DEP will establish the 	<p>DEP:</p> <ul style="list-style-type: none"> - DEP is participating in the Maryland Public Service Commission's grid Electrification Study Work Group, which will result in a report for the PSC, evaluating the electricity grid's ability 	<p>DEP:</p> <ul style="list-style-type: none"> - As required by the Comprehensive Building Decarbonization Law, the County will prepare a report regarding system capacity needs and investments required

	<p>position and begin recruitment in FY23. - Also, See Action B-5.</p>	<p>to handle the anticipated increased electricity load from building electrification.</p>	<p>for an all-electric building code standard no later than September 30, 2024.</p>
<p>B-3: Energy Performance Standard for Existing Commercial and Multifamily Buildings</p>	<p>DEP:</p> <ul style="list-style-type: none"> - The Building Performance Improvement Board will be selected and appointed in FY23. DEP will work with the Board to advise on BEPS regulations, to be issued by December 1, 2023. - DEP will reach out to covered buildings with information about BEPS compliance, especially buildings that are new to energy benchmarking. - DEP has a study underway related to utility incentives and how it may offset the cost of set improvements; the study will be completed in FY23. <p>MCPS:</p> <ul style="list-style-type: none"> - Several schools will receive gym lighting retrofits to LED bulbs during the summer of 2022 Award contracts for investment grade audits leading to energy services contracts and building retrofits. - MCPS plans to award contracts for investment grade audits leading to energy services contracts and building retrofits. <p>MCGB:</p> <ul style="list-style-type: none"> - Elevate implementation of commercial clean energy projects through the deployment of its financial and technical assistance resources. - Leverage new funding from the County to increase the provision of technical assistance to property owners to assess current property 	<p>DEP:</p> <ul style="list-style-type: none"> - On March 28-29, 2023, DEP hosted the 10th annual Montgomery County Energy Summit at the Silver Spring Civic Building. Over 200 attendees came each day to learn how to prepare for compliance with energy benchmarking, building energy performance standards, and emerging building codes, as well as explore best practices for decarbonized buildings in Montgomery County. (CAP Action B-3) - The Building Performance Improvement Board—the appointed advisory board that advises the County on building energy performance standards (BEPS) implementation—published their recommendations report on BEPS Executive regulations, due to be issued by December 31, 2023. (CAP Action B-3) - DEP has continued outreach about building benchmarking and building energy performance standards. Throughout 2023, DEP shared information to a number of individual benchmarkers, the Gaithersburg Sustainability Summit for Homeowners & Civic Associations, and to Leisure World of Maryland property managers. In FY23, DEP also onboarded new staff to help support the BEPS program, including a Senior Engineer and Multifamily Energy Performance Outreach Manager. (CAP Action B-3) 	<p>DHCA:</p> <ul style="list-style-type: none"> - DHCA will continue to administer these programs and seek to identify and complete qualified projects. <p>DOF:</p> <ul style="list-style-type: none"> - Collaborate with DEP and Montgomery County Green Bank to advance implementation of BEPs <p>DGS:</p> <ul style="list-style-type: none"> - DGS is in discussion with DEP on Program requirements <p>MCGB:</p> <ul style="list-style-type: none"> - MCGB has not set a specific BEPS target for FY24 outside the total portfolio investment targets which will be met in large part with property upgrade projects. MCGB's total stretch goal for FY24 is to catalyze \$50 million in climate investment. - MCGB has several full property electrification projects in the pipeline of transactions that should be completed in FY24. <p>MCPS:</p>

	<p>conditions and devise plans to undertake energy savings improvements.</p> <ul style="list-style-type: none"> - Promote the use of its funding programs in partnership with private capital partners that provide affordable and flexible financing options for property owners to undertake planned improvements. <p>Coordinate with the County as the Building Energy Performance Standards are developed to assure Green Bank resources are aligned with the County program and can best serve to support the required property improvements of owners.</p> <ul style="list-style-type: none"> - The Green Bank will focus on elevating the implementation of commercial clean energy projects through deployment of its financial and technical assistance resources. - The Green Bank will leverage new funding from the County to increase the provision of technical assistance to property owners to assess current property conditions and devise plans to undertake energy savings improvements. - The Green Bank will promote use of its funding programs in partnership with private capital partners that provide the affordable and flexible financing options for property owners to undertake planned improvements. - The Green Bank will coordinate with the County as the Building Energy Performance Standards are developed to assure Green Bank resources are aligned with the County program and can best serve to support the required property improvements of owners. 	<p>DEP and the Department of Finance continued to work with the Montgomery County Green Bank on revisions to the C-PACE Program Guidelines to reflect the amendments passed in Bill 46-21. The revamped guidelines are expected to be published by the end of calendar year 2023. (CAP Action B-3)</p> <p>DHCA:</p> <ul style="list-style-type: none"> - The Housing Division at DHCA has used merger funds to administer their Montgomery County Homeowner Energy Efficiency Program (MEEP). This single-family program provides incentives to limited-income homeowners to help reduce energy usage. DHCA coordinates with Habitat for Humanity Metro Maryland to identify and attract those who can benefit from this program. In FY23, there were 8 electric households served and over \$75K was spent on those households to provide upgraded appliances and systems. For multi-family buildings, DHCA uses merger funds to owners of low and moderate income multi-family buildings in concert with Montgomery County's Housing Investment Fund. This program provides for conditional improvements at qualified multi-family properties that may include increasing energy efficiency, upgrading older inefficient equipment and reducing consumption. In FY23 DHCA dispersed funds through PEPCO to Brooke Park in the amount of \$507,013 <p>MC:</p>	<ul style="list-style-type: none"> - Complete Investment Grade Audits, implement Energy Savings Projects that are primarily self-funded with supplemental capital budget and incentive/rebate funding at the initial 50 schools. Implement new Investment Grade Audits at the next batch of 50 schools.
--	---	---	--

		<p>- The College continues the commissioning of renovation of HVAC systems on five buildings on the Rockville Campus. The renovations will ensure better indoor air quality, thermal comfort and meet current construction codes. The College continues construction of the new Catherine and Isiah Leggett Math and Science Building, which is scheduled to open in 2024.</p> <p>MCGB:</p> <p>- MCGB expanded its Technical Assistance Program to include benchmarking and data verification in support of properties preparing for compliance with BEPS. MCGB also catalyzed approximately \$7.6 million in energy efficiency upgrades across 34 projects in residential, commercial, condo, affordable housing, and faith-based sectors.</p> <p>MCPS:</p> <p>- Two Energy Service Performance Contractors are conducting Investment Grade Audits at 50 MCPS schools for energy savings and greenhouse gas emission reduction. These conservation projects will implemented using self-funding strategy, plus a small amount of capital budget funding and incentive rebate programs</p>	
<p>B-4: Electrification Incentives for Existing Buildings</p>	<p>DEP:</p> <p>- DEP is participating in the Rocky Mountain Institute's Electrify Cohort throughout the calendar year 2022 to develop a new program for electrification primarily focused on residential</p>	<p>DEP:</p> <p>- Following a competitive process, DEP selected a contractor to implement Electrify MC, the Residential Electrification Help Desk and Incentives Pilot Program funded in the FY23 operating budget. The Help Desk and Incentives were officially opened during</p>	<p>DEP:</p> <p>- DEP will continue to administer the ElectrifyMC Help Desk and Incentives Pilot program through FY 2024. The County will receive the EECBG formula funding to support energy efficiency and electrification</p>

	<p>homes. DEP is pursuing an RFP for an electrification contractor to assist the residential sector with electrification efforts.</p> <ul style="list-style-type: none"> - DEP will launch a New Electrification Incentive Program in FY23 to provide technical assistance and incentives for electrification in existing residential homes. - DEP has an electrification study underway as directed by County Council by Bill 44-21; the study will be completed by May 2023. The study will assess what it costs to electrify existing buildings. <p>MCGB: Make technical assistance programs available to properties that are seeking to move to full electrification properties to understand the strategies and funding approaches that can support such transitions.</p>	<p>summer 2023. The contractor, Elysian Energy, is managing a help desk to support residents with general questions, perform high-quality engineering-focused energy audits, perform retrofits of appliances and systems currently heated with fossil fuels with efficient electric alternatives, and administer prescribed financial incentives directly to residents. Explore this exciting pilot program here: https://www.montgomerycountymd.gov/ElectrifyMC</p> <ul style="list-style-type: none"> - In coordination with the City of Rockville, the County began to develop its approach for coordinated community spending of Energy Efficiency and Conservation Block Grant (EECBG) formula funding from the U.S. Department of Energy (DOE). Both jurisdictions will be receiving formula grants from DOE in early 2024 and are focused on funding energy efficiency and electrification upgrades in low-income households. (CAP Action B-3) <p>DOF:</p> <ul style="list-style-type: none"> - Property Tax Credit - Energy and Environmental Design was administered by the Treasury Department and for the 7th consecutive year the maximum permitted credit of \$5mm was granted. 	<p>upgrades in low-income homes in early 2024, which will be implemented by DHCA.</p> <p>DHCA:</p> <ul style="list-style-type: none"> - DHCA's Housing Division is coordinating with DEP to issue a RFP for revised energy efficiency improvement grant program for low-income single-family homes to include electrification retrofit opportunities <p>DOF:</p> <ul style="list-style-type: none"> - Continue to administer the Property Tax Credit – Energy and Environmental Design
<p>B-5: All-Electric Building Code for New Construction</p>	<p>DEP:</p> <ul style="list-style-type: none"> - DEP and DPS will support Bill 13-22 as it moves through the legislative process. New DPS positions approved in the FY23 budget will assist with implementing these all-electric building code requirements. 	<p>DPS:</p> <ul style="list-style-type: none"> - The 2121 building code adoption cycle is underway, including the Montgomery County Energy Code which has an amendment proposal to adopt a NZE energy modeling standard. 	<p>DPS:</p> <ul style="list-style-type: none"> - Enforcement of new codes will start spring of 2024, no later than May 30th. <p>DEP:</p>

	<p>DPS: Work to adopt the 2021 building codes, including the International Energy Conservation Code - Assess how to start to introduce net-zero energy language in the next code cycle. DPS is signing a contract with the New Buildings Institute to help determine the best path forward relating to energy code amendments. Projecting out a path over the next two or three code cycles; determining what are the right measures to include for net-zero codes. - Recruit two new positions approved in the FY23 budget. One position will focus on electrification and decarbonization; the second position will focus on green buildings and the International Green Building Code. - The 2121 building codes cycle is underway; in FY23 DPS will be working to adopt the 2021 building codes, including the International Energy Conservation Code. - DPS will assess how to start to introduce net-zero energy language in the next codes cycle. DPS is signing a contract with the New Buildings Institute to help determine the best path forward relating to energy code amendments. Projecting out a path over the next two or three code cycles; determining what are the right measures to include for net-zero codes. - DPS will be recruiting for two new positions approved in the FY23 budget. One position will focus on electrification and decarbonization; the second position will focus on green</p>	<p>- DPS will introduce a three code cycle stepped approach net-zero energy language in this code cycle. DPS has completed a code and regulation technical analysis with the New Buildings Institute to help determine the best path forward relating to energy code amendments. - DPS has filled two new technical positions approved in the FY23 budget. One position focuses on electrification and decarbonization; the second position focuses on green buildings and the International Green Building Code.</p> <p>DEP: - In November 2022, the County Council passed the Comprehensive Building Decarbonization legislation (Bill 13-22), which will require the County to issue all-electric building standards by December 31, 2026.</p>	<p>DEP will assist with outreach and education to building owners when all-electric building codes are adopted.</p>
--	---	--	---

	buildings and the International Green Building Code.		
B-6: Disincentivize and/or Eliminate Natural Gas in New Construction	<p>DEP:</p> <ul style="list-style-type: none"> In FY23, the County will support Bill 13-22 (Comprehensive Building Decarbonization Legislation) and various education, outreach, and incentive efforts to support building electrification. The County will also continue to advocate at the state level (General Assembly and Public Service Commission) that natural gas no longer be incentivized through the EmPOWER Maryland program and for building codes to encourage and/or require electrification. <p>DPS:</p> <p>Recruit two new positions approved in the FY23 budget. One position will focus on electrification and decarbonization; the second position will focus on green buildings and the International Green Building Code.</p>	<p>DPS:</p> <ul style="list-style-type: none"> DPS has hired two new positions approved in the FY23 budget. One position will focus on electrification and decarbonization; the second position will focus on green buildings and the International Green Building Code. Additionally multiple code amendment proposals have been drafted to focus on electrification. <p>DEP:</p> <ul style="list-style-type: none"> DEP staff advocated at the General Assembly and Maryland Public Service Commission for reforms to the EmPOWER Maryland program to eliminate publicly funded incentives for the installation of gas combustion equipment in new construction. 	<p>DPS:</p> <ul style="list-style-type: none"> Enforcement of new codes will start spring of 2024, no later than May 30th. <p>DEP:</p> <ul style="list-style-type: none"> The County will continue to advocate at the state level (General Assembly and Public Service Commission) that natural gas no longer be incentivized through the EmPOWER Maryland program and for building codes to encourage and/or require electrification.
B-7: Net Zero Energy Building Code for New Construction	<p>DGS:</p> <ul style="list-style-type: none"> Continue to build new buildings with net-zero targets. <p>DPS:</p> <ul style="list-style-type: none"> Recruit two new positions approved in the FY23 budget. One position will focus on electrification and decarbonization; the second position will focus on green buildings and the International Green Building Code. 	<p>DGS:</p> <ul style="list-style-type: none"> Continue to build new buildings with net-zero targets. <p>DPS:</p> <ul style="list-style-type: none"> Multiple code amendment proposals have been drafted to focus on Net Zero Energy goals. <p>M-NPPC-Planning</p>	<p>DGS:</p> <ul style="list-style-type: none"> Continue to build new buildings with net-zero targets. <p>DPS:</p> <ul style="list-style-type: none"> Enforcement of new codes will start spring of 2024, no later than May 30th. <p>MCPS:</p>

	<p>MCPS: -For new buildings, MCPS intends to minimize energy use intensity (EUI) per the new sustainability policy, called Policy ECA, Sustainability.</p> <p>M-NCPPC – Parks: - Incorporating net zero goals in new building construction.</p>	<p>- Approved in FY23, the Silver Spring Downtown and Adjacent Communities Plan encourages all new construction to exceed county minimum standards for energy efficiency.</p>	<p>- Finalize report on Net Zero Energy for New and Existing Construction (expected early 2024). Consider geoexchange (considering feasibility and funding) for each major construction project, and plan to seek REC credits for them.</p>
--	---	---	---

Transportation Actions	FY23 Plans	FY23 Accomplishments	FY24 Plans
T-1: Expand Public Transit	<p>MCDOT:</p> <ul style="list-style-type: none"> - MD 355 BRT and Veirs Mill BRT design has started and will continue. Construction is fully funded for the 355 BRT Central Phase and Veirs Mill Rd BRT in the 6-year CIP. - Continued planning work on US29 Phase 2 BRT. Planning studies are underway for the New Hampshire Avenue BRT and North Bethesda Transitway projects. - Planning was completed, and design has started for the first 2 lines of the Great Seneca Transit Network. Construction of the first 2 lines is funded in the 6year CIP. - Ride On Reimagine study underway, geared to make Ride On service more effective and will overlap with WMATA Bus Redesign Study in the county. - Move forward with finalization of a memorandum of understanding with MDOT SHA to implement bus lanes in Wheaton in the summer of calendar 2022. The latest draft of the MOU was routed to the Office of the County Atty on 7-1-2022 as a precursor to DOT approval/signature and routing to MDOT SHA for final approval. Process to be complete in early July 2022. 	<p>MCDOT:</p> <ul style="list-style-type: none"> - MCDOT, working together with Howard County, secured a Federal Congressional earmark for \$3.35M to fund vehicles for an extension of the US29 Flash service to Columbia, MD. DOT is actively working with Howard County to start this service in FY25. - Design is underway for the MD 355 and Veirs Mill Road Bus Rapid Transit (BRT) projects. - The Veirs Mill Road BRT project is working on 65% design to be completed in the SummerFall. The team is now working with the CMAR contractor and independent cost estimator to progress preconstruction activities. - The MD 355 BRT project is completed preliminary engineering. The team will start developing the RFQ RFP to bring the a progressive design-builder on board at the beginning of 2024. - NEPA work is progressing on both projects. NEPA for Veirs Mill is anticipated to be complete in early 2024 and for MD355 in late 2024. - MCDOT is working on bringing a Program Management Consultant on-board to help with the entire BRT program. 	-

	<ul style="list-style-type: none"> - Work with WMATA to plan and design a tactical bus lane in Silver Spring area and also planning on queue jump location opportunities. Development of Program of Requirements for new net zero bus maintenance and storage facility to serve is electric buses underway. - \$1 fares on Ride On will be implemented beginning August 1, 2022. Extensive public outreach campaign will be conducted prior to ensure the riding public is aware of the re-institution of fares at this half-price level. 	<ul style="list-style-type: none"> - Planning was completed for the US 29 BRT Phase 2. Preliminary engineering is underway. - Planning is underway for the New Hampshire Avenue BRT, North Bethesda Transitway. MCDOT anticipates recommending an alternative for each study by Fall/Winter.. - MCDOT is continuing to advance tactical bus lanes along Georgia Avenue in Silver Spring, MD 193 (University Boulevard) in Wheaton, and MD 586 (Veirs Mill Road) in Wheaton. Implementation of the University Boulevard project is planned for Summer Fall 2023. - A tactical bus lane can be implemented quickly, does not require road reconstruction and is typically run implemented on theon a curb lane or a parking lane. Tactical bus lanes are created using red paint to designate the bus lane and with signage signing to outline communicate the bus lane restrictions. - Ride On Reimagined Study continues. Phase 1 completed; and Phase 2 is currently underway with proposed improvements and expansions. - Two new limited stop services (Ride On extRa) are planned for the Great Seneca/Life Sciences corridor in summer 2024. Service would include improved station/shelter locations, tactical bus lanes as well as TSP. 	
--	--	--	--

		<p>M-NCPPC-Planning:</p> <ul style="list-style-type: none">- The recently approved Silver Spring Downtown and Adjacent Communities Plan (SSDACP) recommends expanding Bus Rapid Transit service through the downtown on both Colesville Road and Georgia Avenue. SSDACP also recommends studying opportunities to expand the VanGo circulator route to include Jesup Blair Park and Woodside Urban Park.- Planning Board recommended the Median Bus Lanes concept as the preferred alternative for the US 29 Mobility and Reliability Study.- Planning Board reviewed the Veirs Mill Road Bus Rapid Transit and Bicycle and Pedestrian Priority Area Mandatory Referral and provided comments to MCDOT.	
--	--	--	--

<p>T-2: Expand Active Transportation and Shared Micromobility Network</p>	<p>MCDOT:</p> <ul style="list-style-type: none"> - Complete design of Fenton Street project. - Additional measures planned for Grove Street. - Continue build-out of Bethesda bike facilities. <p>(Construction funding continues through FY25.) - Start design of newly funded projects in Olney and East County.</p> <ul style="list-style-type: none"> - Host more adult bicycling classes and e-scooter classes. - Install additional parking corrals for e-scooters and bicycles. - Move towards a more permanent micromobility program, subject to the passage of the bill currently before the Council. The service areas for shared micromobility will also be expanded in coordination with vendors. Time constraints on the span of service permitted for shared micromobility vehicles will be re-examined and may be removed. - Begin repairs to Capital Bikeshare stations to bring the facilities to a state of good repair. <p>Look at first mile/last mile issues that prevent some residents from being able to take public transportation.</p> <ul style="list-style-type: none"> - Building on an FY22 effort to conduct an equity review of sidewalk projects, MCDOT will undertake a deeper dive 	<p>MCDOT:</p> <ul style="list-style-type: none"> - MCDOT will be continuing to expand bicycling and scooter programs: <ul style="list-style-type: none"> - Completing planning, design and construction of multiple bike facility projects - Increasing numbers of Learn-to-Ride classes in multiple locations around the County - Adding a new Bike to Work Day Pit Stop in Germantown - Planning for new scooter corrals - Continuing outreach related to the BikeMatch MoCo bike donation program <p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - The Wheaton Regional Park Master Plan was approved. The master plan includes components for better connecting the park to the surrounding community, trail connectivity, and wayfinding signage. - M-NCPPC - Montgomery Parks' 2022 Parks, Recreation, and Open Space Plan, was approved, recommends improving active transportation using parks and trails to connect people to their work locations. - Montgomery Parks received a \$7.5 million from the Safe Streets and Roads for All (SS4A) grant program. The SS4A grant money will be applied to three major parks and trails in the county: Sligo Creek Stream Valley Park and trail, Matthew Henson State Park and trail, and Wheaton 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Working on CIP funding for Wheaton Regional Park Master Plan implementation.
---	--	---	---

	<p>analysis of the equity implications & distribution of benefits and outcomes of its transportation projects.</p> <p>M-NCPPC - Planning:</p> <ul style="list-style-type: none"> - Pedestrian Master Plan will go to Planning Board later this CY and will be taken up by County Council in early 2023. - The Complete Streets Design Guide will be presented to County Council in early FY23. In the Fall, the County Council will conduct a public hearing and review of county code changes. - Work with MCDOT to do an add-on to the Complete Streets Design Guide (could be a separate chapter or amendment) to put design guidance on shared streets for how those can be built out in the County. - Develop guidance on protected intersection design for regulatory projects. - With MCDOT, Planning has a bikeway branding effort to market the County's bicycle infrastructure to increase bicycling in the County. - Montgomery Planning will submit its Access Management Study to the Planning Board on July 28. The Access Management Study examines existing practices in Montgomery County managing property and corridor access 	<p>Regional Park. The parks department will deploy four strategies to improve safety at the access points, including: developing safe trail connections to neighborhoods, providing safe crossings for people walking, biking, and driving through intersections, creating separated spaces for all users of the transportation network in dense multimodal areas, and developing a permanent program of low-volume streets into neighborhood greenways.</p> <p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - The Department continued its work with the Planning Board and County Council to review the Pedestrian Master Plan which has now been approved. - Planning has been working MCDOT to do an add-on to the Complete Streets Design Guide to put design guidance on shared streets, for how those can be built out in the County. - Planning has completed guidance on protected intersection design for regulatory projects. - With MCDOT, Planning developed a Bikeway Branding Project to actively market the County's bicycle infrastructure to increase bicycling in the county. The original scope for the Bikeway Branding Project is complete. The Planning Department and MCDOT will be piloting one of the outcomes of the project -- a wayfinding approach -- in the North 	
--	--	---	--

	<p>and provides recommendations to improve access management based on best practices and consistent with Vision Zero and a Complete Streets framework. Its recommendations will provide a systemic way to improve the safety and efficiency of moving people and goods while reducing conflicts between all modes using and crossing roadways, including pedestrians, bicycles, and vehicles in all urban, suburban, and rural areas. Follow-on work efforts could include modifications to the County code by M-NCPPC and MCDOT.</p> <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - 2022 Parks, Recreation, and Open Space Plan, approval set for July 2022, recommends improving active transportation using parks and trails to connect people to their work locations. - Wheaton Regional Park Master Plan is in process. <p>Current draft of Wheaton Regional Park Master Plan includes recommendations for trail improvement that help expand active transportation.</p>	<p>Bethesda area. It is currently in preliminary design.</p> <ul style="list-style-type: none"> - The recently approved Silver Spring Downtown and Adjacent Communities Plan (SSDACP) encourages pedestrian and bicycle travel within the Plan area for local trips to reduce carbon and other greenhouse gas emissions. <ul style="list-style-type: none"> o SSDACP confirms recommendations for downtown Silver Spring from the Bicycle Master Plan and recommends three new locations for separated bike lanes on existing streets, and one new downtown street with separated bike lanes. o SSDACP recommends installing additional micromobility corrals in underutilized parking facilities and near Veterans Plaza and the forthcoming South County Regional Recreation and Aquatic Center (currently under construction). - Planning Department and MCDOT have been working together on the Shared Streets Guidelines project. The Planning Department has received a draft of the Shared Streets Design Guidelines for review. - The Department completed an Access Management Study that looks at ways to improve the multimodal transportation network for function and safety. 	
--	---	--	--

<p>T-3: Private Vehicle Electrification Incentives and Disincentives</p>	<p>DEP:</p> <ul style="list-style-type: none"> - Phase 2 of the Electric Vehicle Purchasing Co-op will launch in FY23, including the possibility of negotiating discounts through the dealership network (subject to supply chain issues getting resolved). - DEP will research what kind of incentives private commercial vehicle fleets could make use of, including exploring potential financial options for fleet electrification. - MWCOC is leading a region-wide EV charging planning effort that will get underway in FY23; the County is contributing staff support towards this effort. <p>MCDOT:</p> <ul style="list-style-type: none"> - Electric Vehicle Purchasing Coop (EVPC) to continue, with increased outreach efforts to businesses in the County to explore how to increase fleet EV purchases/leases and installation of EV charging facilities to support those vehicles. - Coordinate with DEP to support the Poolesville Green National Drive Electric Week (NDEW) and other related events at Poolesville Day. 	<p>DEP:</p> <ul style="list-style-type: none"> - In FY23, DEP built on the successful implementation of the EV Purchasing Co-op that launched in January 2022. By the end of FY23, the program had collected over 1,100 pledges from residents to make their next vehicle electric. Leveraging these pledges, DEP recruited local automobile dealerships and implemented a new phase of EV Purchasing Co-op program with the introduction of Dealership Incentives. Beginning in December 2022, DEP began sharing deals and special offers on plug-in vehicles from participating dealerships. These offers helped residents save money when purchasing and leasing electric vehicles. The EV Purchasing Co-op further helped residents by sharing information about other programs, incentives, and events available in the region through a monthly newsletter with over 3,000 subscribers. DEP also made progress towards developing a ZEV Strategic Plan. <p>MCDOT:</p> <ul style="list-style-type: none"> - MCDOT, working together with Howard County, secured a Federal Congressional earmark for \$3.35M to fund vehicles for an extension of the US29 Flash service to Columbia, MD. DOT is actively working with Howard County to start this service in FY25. 	<p>DEP:</p> <ul style="list-style-type: none"> - DEP will continue to expand the network of dealers participating in the Dealership Incentives program. DEP will also encourage and educate dealers on how to provide federal EV tax credits at the point of sale, which is enabled by a law that takes effect in January 2024. - DEP will also continue its successful community engagement strategy by organizing supporting events for residents to experience EVs and learn about the state, federal, and utility incentives that are available. - In FY24, DEP will develop a ZEV strategic plan that proposes additional strategies to incentivize private zero-emission vehicles and disincentivize internal combustion vehicles.
--	---	---	--

<p>T-4: Constrain Cars in Urban Areas, Limit New Road Construction</p>	<p>MCDOT:</p> <ul style="list-style-type: none"> - As a result of efforts by MC to amend the goals in the region’s long-range transportation plan, “Visualize 2045,” the TPB-adopted target for reduction in GHG emissions for the region has now been increased from 32% to 50% by 2030. More ambitious and impactful strategies will need to be adopted by regional jurisdictions in order to meet that goal. - The long-range fiscally constrained transportation plan “Visualize 2045” will be updated in 2024 with a call for projects to be identified by early 2023. MCDOT will evaluate existing projects and any new projects in both the long-range Plan and the near-term (6-year) Transportation Improvements Plan (TIP) with regard to their inclusion in those plans. The County may consider dropping major roadway capacity expansion projects already in the plans to help meet the County’s and the region’s climate goals. The submitted projects from the region will be assessed by TPB on GHG reduction criteria for inclusion in the revised transportation plan. <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Due to the overwhelming popularity of the Open Parkways initiative, the program remains. 	<p>MCDOT:</p> <ul style="list-style-type: none"> - Design is underway for the MD 355 and Veirs Mill Road Bus Rapid Transit (BRT) projects. - Updates to County Code submitted by MCDOT and approved by County Council in FY23 are being implemented via the Complete Streets Design Guide. - Recommended revisions to Chapter 49 Regulations underway, which will further define, interpret and apply the updates made to that portion of the County Code. <p>M-NCPPC-Parks:</p> <p>A. Open Parkways continue - https://montgomeryparks.org/roads-parkways/</p> <p>B. In April 2023 the Planning Board approved the permanent two-lane configuration of Little Falls Parkway between Arlington Road and Dorset Avenue. The Board made no recommendation on how to modify or re-appropriate the unused southbound travel lanes, which have remained open for recreational usage since the Planning Board decision. Parks is no longer considering creation of a linear park along the unused southbound travel lanes of Little Falls Parkway. Parks is proposing the removal of unused pavement to reclaim natural areas of Little Falls Stream Valley</p>	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Open Parkways continue - https://montgomeryparks.org/roads-parkways/ - Working on design and approval via county council on Little Falls Parkway Road Diet - https://montgomeryparks.org/projects/directory/little-falls-pilotproject/
--	---	--	--

	<p>- With MCDOT launched a pilot program in June 2022 to study the potential of permanently reducing Little Falls Parkway from four lanes to two (one in each direction) between River Road and Arlington Road (1.3 miles). The study will continue through the fall of 2022. The goal of the pilot project is to eliminate unintended traffic consequences in the surrounding neighborhoods while providing the long-term benefits of the popular Open Parkways program. If the study is successful, the excess space from the narrowed road will be used to create a new linear park or other recreational amenities, which will be accessible to park users seven days a week.</p>	<p>Park and creation of a separate shared use path connection alongside the Parkway. https://montgomeryparks.org/projects/directory/little-falls-pilotproject/</p>	
--	---	---	--

<p>T-5: Zero Emission Public Buses and School Buses</p>	<p>MCDOT:</p> <ul style="list-style-type: none"> - Next 10 electric Ride-On buses will be put into service. Ride-On will operate a total of 14 EV buses in FY23. - If the No/Low Emissions grant application is approved, the County will develop a project to construct a hydrogen station and purchase 13 hydrogen buses. - Finalize the program of requirements for a new net-zero bus maintenance and storage facility to serve electric buses. <p>MCPS:</p> <ul style="list-style-type: none"> - Continue testing and increasing electric school bus fleet. Use electric buses on summer school routes and increase the number of drivers who are familiar with the buses. <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Hiring a new fleet manager; the role will include responsibility for electrifying Parks' fleet and assisting the department in greenhouse gas reduction goals. - 3 new electric trucks and an electric work van were purchased and will become part of the Parks fleet in the upcoming fiscal year. <p>DGS:</p> <ul style="list-style-type: none"> - Issued an RFP for procuring 100 EV Ride On Buses over the next 3 years. FY23 will 	<p>DGS:</p> <ul style="list-style-type: none"> - DGS moved forward with Phase 1 bus order and continues to work with MCDOT to get to zero emission buses by 2035. <p>MCDOT:</p> <ul style="list-style-type: none"> - The Veirs Mill Road BRT project is working on 65% design to be completed in the Fall. The team is working with the CMAR contractor and independent cost estimator to progress preconstruction activities. - The County's initial Zero Emissions Bus Transition Plan will be finalized in 2024. A public report will be available and will include: <ul style="list-style-type: none"> - Zero Emission Vehicle Technology Evaluation - Service Plan and Energy Needs Assessment (including a coordinated effort with Ride On Reimagined) <ul style="list-style-type: none"> - Fleet, Facilities and Infrastructure Current and Planned Capacities - Fleet Transition Model - Operations and Maintenance Recommendations (including workforce development) <ul style="list-style-type: none"> - Economic/Life Cycle Cost Assessment - Funding and Finance Scan - Emissions Analysis - Schedule for Implementation 	<p>DGS:</p> <ul style="list-style-type: none"> - DGS awarded the FTA grant to procure 13 fuel cell buses and a hydrogen fuel cell station providing green hydrogen for fuel cell buses. DGS will continue to move forward with Phase 2 of electric bus purchase as approved.
---	--	---	--

	<p>be the first year of this procurement, and DGS anticipates ordering approximately 45 EV buses in FY23.</p> <ul style="list-style-type: none">- Investigating the possibility of funding additional EV buses.- Developing a plan for bringing hydrogen to the Gaithersburg bus maintenance facility to enable local hydrogen generation to power Ride On buses.	<p>- Federal Low-No grant for Hydrogen Fueling Station and 13 Hydrogen Fuel Cell Buses:</p> <ul style="list-style-type: none">- Grant agreement in place- Design-build activities on-going, including a project to install a new microgrid at the County's EMTOC bus depot in Gaithersburg.	
--	--	--	--

<p>T-6: Electrify County and Public Agencies Fleet</p>	<p>MCPS:</p> <ul style="list-style-type: none"> - MCPS Sustainability Policy (ECA) includes purchasing fleet vehicles that are cleaner fuel or hybrid/electric. Pilots underway. - Collaborating with PEPCO and solar vendors to support the county infrastructure. <p>DEP:</p> <ul style="list-style-type: none"> - DEP will coordinate a monthly intergovernmental meeting between Montgomery County agencies, including MCDOT and DGS, M-NCPPC, and MCPS, to share and coordinate plans and procurement strategies for electrification of fleet vehicles. <p>DGS:</p> <ul style="list-style-type: none"> - Implementing second phase of the zero-emissions plan for County fleet. Work with departments to right-size vehicles and re-imagine operations without the use of internal combustion engine vehicles. 	<p>DEP:</p> <ul style="list-style-type: none"> - DEP worked closely with DGS to identify public facilities to host EV charging stations that would support MCG fleet operations as well as community use. <p>DGS:</p> <ul style="list-style-type: none"> - DGS moved forward with purchase of electric vehicles for light-duty fleet. DGS will continue to prioritize purchase electric vehicles where available. <p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Parks is hired a new fleet manager; the role will include responsibility for electrifying Parks' fleet and assisting the department in greenhouse gas reduction goals. - Parks transitioned to an all electric e-transit van. 	<p>DEP:</p> <ul style="list-style-type: none"> - DEP will continue to coordinate with DGS to develop EV charging strategies that accelerate EV adoption <p>DGS:</p> <ul style="list-style-type: none"> - DGS will continue to prioritize purchase electric vehicles where available.
--	--	---	--

<p>T-7: Expand the Electric Vehicle Charging Network</p>	<p>MCDOT:</p> <ul style="list-style-type: none"> - Federal IIJA funding will be made available to the state to expand EV charging capacity along transportation corridors, primarily US 29, I-495, and I-270. The State of Maryland will publish a draft plan in July and a final report in August to lay out plans for using federal funds under the NEVI (National Electric Vehicle Infrastructure) program to expand EV charging along these routes. MCDOT will be reviewing those plans in coordination with other County agencies. - Add EV charging to additional County parking garages to the maximum extent possible, working with Pepco and other resources. - Submitted additional 3 sites for streetlight charging for coordination and approval internally (to Division of Parking). After they are approved, they will be submitted to PEPCO for final approval. Final approval from PEPCO is anticipated by the end of July/ early August 2022. <p>DEP:</p> <ul style="list-style-type: none"> - DEP will provide staff support to the Metropolitan Washington Council of Governments to develop a regional electric vehicle infrastructure plan. - DEP will provide outreach and education to condominiums, co-ops, and townhome communities 	<p>DEP:</p> <ul style="list-style-type: none"> - DEP led a whole-of-government effort to identify County sites for community charging and apply for the U.S. Federal Highway Administration's Charging and Fueling Infrastructure (CFI) Discretionary Grant. The County proposed 40 sites for community charging in its application, selecting based on the need to fill gaps in current infrastructure, expand access for equity areas and for residents of multi-family communities, connect EV charging with multi-modal transportation options, and support Montgomery County Government fleet operations, among other factors. DEP surveyed the public on their preferences for locations and experiences. - In addition, DEP made a series of presentations to common-ownership-communities and commercial properties about installing EV charging, including processes, common challenges, and available incentives. <p>DGS:</p> <ul style="list-style-type: none"> - The contract with the third party was never executed as Federal grant funding became available for the County June 2023. Received portable EV chargers and in service at Damascus Park and Ride and Correctional facility 	<p>DEP:</p> <ul style="list-style-type: none"> - In FY24, DEP will coordinate across departments to develop a ZEV strategic plan to meet the projected need for EV charging. DEP will continue pursuing grants and other opportunities to expand EV charging network. Pending a successful award on the County's 2023 CFI Discretionary Grant application, DEP will finalize a grant agreement and release a request for proposals to complete the awarded work. DEP will also develop processes to include private commercial properties in future rounds of the CFI grant and other funding opportunities. <p>In addition, DEP will continue to:</p> <ul style="list-style-type: none"> - coordinate across departments to develop standards and guidelines for community charging, including commercial right-of-way charging; - provide outreach, education, and technical assistance to property owners about installing, including multi-family communities and workplaces - engage workplace development organizations to support education and recruitment of EV charging technicians <p>DGS:</p> <ul style="list-style-type: none"> - County applied for the Federal grant funding; grant funds expected award by end of 2023. EV chargers will be installed as part of the Microgrid/Community Hub RFPs. Will move portable EV chargers based on need and demand. <p>DPS:</p> <ul style="list-style-type: none"> - Enforcement of new codes will start spring of 2024, no later than May 30th.
--	--	---	---

	<p>to encourage expansion of EV charging infrastructure in partnership with the Office of Common Ownership Communities, Montgomery County Green Bank, and Department of Permitting Services. In addition, DEP will explore additional programs that streamline and support multifamily communities to install EV charging.</p> <ul style="list-style-type: none"> - DEP will coordinate the County's response to funding opportunities for EV charging infrastructure made available through the Bipartisan Infrastructure Law and the MD Zero Emissions Vehicle Infrastructure Plan. <p>MCGB:</p> <ul style="list-style-type: none"> - Launch affordable rental EV charger program and use the learnings from that effort to assess the ability to provide a scaled program in the County. - Look to other approaches to support EV Chargers and leverage the business model of the EV Charger program to support financing strategies that would help private property owners undertake EV Charger projects. <p>M-NCPPC - Planning:</p> <ul style="list-style-type: none"> - FY23 approved work program includes conducting a review of the points system in the zoning code for public benefits related to higher density projects. May 	<p>DPS:</p> <ul style="list-style-type: none"> - A code amendment proposal has been drafted. This proposal requires a dedicated percentage of all new parking to be EVSE ready. <p>MCDOT:</p> <ul style="list-style-type: none"> - The MD 355 BRT project is completed preliminary engineering. The team is developing the RFP to bring a progressive design-builder on board at the beginning of 2024. - MCDOT-Traffic Engineering: <ul style="list-style-type: none"> - Continuing to work with PEPCO to secure sites to implement curbside EV charging stations in several parts of the County, dependent upon funding. - MCDOT-Parking: <ul style="list-style-type: none"> - In the design phase of adding two EV charging stations apiece at Garage 35 in Bethesda and Garage 9 in Silver Spring. Implementation of the plan is pending funding. 	<p>MCPS:</p> <ul style="list-style-type: none"> - Install EV charging stations for non-bus fleet, taking advantage of rebates. <p>Identify other grant and rebate programs to be able to install EV charging infrastructure at additional sites.</p>
--	--	---	--

be a way to begin looking at EV charging infrastructure provisions in the zoning code.

M-NCPPC – Parks:

-Will continue the installation of Public EV charging stations through the partnership with Pepco and BGE. The second round of EV installation is planned for Fall 2022, once review and permitting is complete. Parks is exploring options to expand the program with other electric utility providers in the county.

- Partnership with Pepco/BGE is in the pilot phase, but if the program goes smoothly, Montgomery Parks would be interested in installing more Pepco/BGE EV chargers at other locations.

DGS:

- DGS has awarded a contract for the installation of EV charging stations at approximately 65 County facilities geographically distributed throughout the County, including libraries, recreation centers, and swimming pools. All these EV chargers will be publicly accessible. The installation work will get underway in FY23.

- Receive and deploy portable EV chargers.

MCPS:

MCPS:

- Four Electric Vehicle Charging Stations were installed at the Carver Educational Services Building.

- Additional electric vehicle charging stations under construction at Gaithersburg Middle School Collaborated with County on joint application for federal funding for additional EV charging stations.

<p>- 3 pilot sites identified for EV charging stations. (CESC, Rockville High School, Gaithersburg Middle – these stations will be for public use.) One additional site has been identified for fleet vehicle charging. - Explore an employee campaign/program for public transportation.</p>		
---	--	--

<p>T-8: Transportation Demand Management and Telework Strategies</p>	<p>MCDOT:</p> <ul style="list-style-type: none"> - Travel Smart Ambassador program is funded in the FY23 budget. This program will seek to raise community awareness of the entire range of transportation options to reduce GHG emissions, promote resiliency and create a more livable, equitable community. The program will work to reach population subgroups not “tuned in” to typical media and messaging, including vulnerable groups such as lower-income and ethnic minorities, as well as suburban neighborhoods where many residents have minimal knowledge of options available. - Plans to provide increased outreach in White Oak and countywide. - Executive regulations for Transportation Demand Management are moving forward. 	<p>MCDOT:</p> <ul style="list-style-type: none"> - NEPA work is progressing on both projects. NEPA for Veirs Mill is anticipated to be complete in early 2024 and for MD355 in late 2024. - MCDOT-Commuter Services: <ul style="list-style-type: none"> - Continue to implement new approaches to Transportation Demand Management (TDM) Plans for development projects in the County’s six Transportation Management Districts (TMDs). - Obtain and track new employer TDM plans submitted into the County’s online system. Evaluate, with TMD Advisory Committees’ input, those new employer TDM Plans and the annual TDM reports from existing employers in the database. - Implement the TravelSmart Program to expand TDM efforts beyond commuting-to-work trips in order to reduce transportation-related greenhouse gas emissions from other types of trips. Establish relationships with government and community organizations and coordinate outreach campaigns and events to communicate a broad range of transportation options to various communities within the County. 	<p>-</p>
--	---	--	----------

		<p>M-NCPPC-Planning: - The recently approved Silver Spring Downtown Adjacent Communities Plan (SSDACP) amended the Non-Auto Driver Mode Share (NADMS) goal to a blended average (commuters and residents) of 65 percent.</p>	
--	--	---	--

<p>T-9: Traffic Management Systems</p>	<p>MCDOT:</p> <ul style="list-style-type: none"> - Continuing to work with SHA on traffic adaptive systems, focused on Route 108. Continuing to install pedestrian hybrid beacons and full traffic signals at block crossings to facilitate safe pedestrian crossings. MCDOT is developing a policy document on where to install these devices. - Continuing collaboration with MDOT SHA on the adaptive Signal corridors. MDOT SHA still has not completed its review of MCDOT recommendations due to continued staffing shortages. 	<p>MCDOT:</p> <ul style="list-style-type: none"> - MCDOT is working on bringing a Program Management Consultant on-board to help with the entire BRT program. - MCDOT-Traffic Engineering: <ul style="list-style-type: none"> - Continuing to deploy pedestrian hybrid beacons (PHB) and mid-block crossing signals, while minimizing unnecessary idling and delay of motor vehicles. - Planning implementation of adaptive traffic signal control in select corridors, to optimize signal timing by reducing unneeded stops in traffic corridors where appropriate based on traffic congestion levels, to be implemented as funding becomes available. 	<p>-</p>
--	---	---	----------

<p>T-10: Electric Vehicle Car Share Program for Low-Income Communities</p>	<p>DEP: - DEP will explore existing models from other parts of the country for potential replication locally.</p>	<p>MCDOT: - Planning was completed for the US 29 BRT Phase 2. Preliminary engineering is underway.</p>	<p>DEP: - In FY24, DEP will engage with car share operators and multi-family properties to explore and develop program concepts and partnerships and identify funding opportunities, including grants.</p>
--	--	---	---

<p>T-11: Off-Road Vehicle and Equipment Electrification</p>	<p>MCDOT:</p> <ul style="list-style-type: none"> - Undertake second phase of its electric mower pilot. The electric handheld equipment and trimmers that were piloted in FY22 worked well, and MCDOT is fully implementing them into the program. - Purchase 2 new electric mower models that are intended for industrial purposes. If the equipment works as intended, MCDOT will transition all mowing equipment into electric. <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Continue to transition small equipment over to electric as end-of-life cycle and funding becomes available. - Working to transition all our trim crews over to fully electric equipment in trailers outfitted to charge the equipment. <p>DEP:</p> <ul style="list-style-type: none"> - The County Executive submitted gas-powered leaf blower legislation in FY22; County Council will take up this legislation in FY23. 	<p>DEP:</p> <ul style="list-style-type: none"> - In FY23, the County Council passed legislation that will ban the sale of gas-powered handheld, backpack, and walk-behind leaf blowers by July 1, 2024 and ban the use of them July 1, 2025. There are an estimated 30,000+ leaf blowers in the County. <p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Parks is no longer purchasing gas powered trimmers or leaf blowers. When a piece of equipment is at the end of its life cycle an electric replacement will be purchased. Montgomery parks is currently on track to transition all handheld 2-cycle gas powered lawn equipment to electric in the next two years, and to transition all gas powered mowers to electric in the next six-to-seven years. - Parks has made Capital Asset purchases of nearly \$685,000 for electric mowers and enclosed electric trailers. 	<p>DEP:</p> <ul style="list-style-type: none"> - In FY24, DEP will implement the leaf blower ban and engage with landscaping services to support the transition and encourage a broader transition of other 2-stroke engine landscape equipment to electric. - DEP will engage with food truck operators to explore potential for electric battery generators to replace diesel and gas generators for food service. DEP will develop program concepts and identify funding opportunities. <p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Parks is continuing to replace gas powered equipment as acceptable options become available and when equipment reaches its end of life. By the end of FY24 Q2, 100% of handheld 2-cycle equipment will be electric or battery operated.
---	---	--	--

<p>T-12: Advocate for a Vehicle Carbon Gas Tax or VMT Tax</p>	<p>DEP: - The State Climate and Energy Policy Manager will begin researching this effort in coordination with MCDOT staff.</p>	<p>DEP: - The Maryland General Assembly passed legislation this year establishing a Transportation Revenue and Infrastructure Needs Commission to explore revenue options to support future transportation-related investments.</p> <p>MCDOT: - Planning is underway for the New Hampshire Avenue BRT, North Bethesda Transitway. MCDOT anticipates recommending an alternative for each study by Fall/Winter.</p>	<p>DEP: - DEP will continue to engage with State policymakers regarding policies that promote zero emission vehicles and reduce VMT.</p>
---	---	--	---

Sequestration Actions	FY23 Plans	FY23 Accomplishments	FY24 Plans
<p>S-1: Retain and Increase Forests</p>	<p>DEP:</p> <ul style="list-style-type: none"> - DEP will continue to pursue opportunities for tree planting and reforestation through the 5-million tree initiative as the programs develop. DEP anticipates being a stakeholder on three separate levels, providing technical advice for applicants in Montgomery County, providing assistance with applications to residents, and as an applicant. DEP anticipates applying for funds from the State of Maryland (the 5 million Tree Initiative) for forest reforestation efforts. - DEP is actively collecting locations for reforestation and for individual tree plantings, including at the Oaks closed landfill site. <p>OAG:</p> <ul style="list-style-type: none"> - Promote tree plantings and find ways to keep forests. <p>M-NCPPC - Planning:</p> <p>Reforest Montgomery is in its third full year and has increased planting efforts across the county. The program, managed by one Montgomery Planning staffer, now reforests anywhere from 5-10 acres per year and offers an average of 600+ free and discounted trees per year. The Reforest Montgomery program includes efforts to reforest County parkland and private properties protected by easements and offers free trees and a native tree coupon</p>	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Urban Forest Patches: This new program mapped out small forest patches that historically have been unmanaged but serve an important ecological value to the community. Stewartown Park's urban forest patch was planted with native trees and shrubs. Arboriculture Staff identified and removed NNIs to prepare the area for volunteers planted the area. - Through the Parks Reforestation Program in FY23 approximately 250 trees across 5.2 acres in Watts Branch Stream Valley Park and 40 trees at Good Hope Tributary were planted. - In FY23, the Weed Warriors Program saved over 15,800 trees and shrubs from NNI vines. <p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - FY23 Q1 updates: The Reforest Montgomery team grew with two full time Planning staff now dedicated to operating the programs, including compliance enforcement during Regulatory Review. - The Department rolled out an expansion of the Reforest Montgomery easement reforestation program (reforesting private properties) in early 2023. With this update, property owners willing to grant a new 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - A full time position is being hired and part of their duties will be to formulate a management plan for the urban forest patches to identify management needs and develop a timeframe and priority for work to be implemented. - Parks will continue to coordinate with the Planning department on plantings through the Parks Reforestation Program. - Weed Warriors Program will hire an additional FTE staff member to expand the reach of the program.

	<p>to reduce the cost of native trees planted within the county. The program focuses these efforts on urban areas of the county or areas where there has been historical forest loss or to reduce runoff and improve stream water quality. - September 2021 Site Plan approvals in the Ten Mile Creek Special Protection Area will result in more forest protection via park dedication and Category I easements: 1. Creekside at Cabin Branch includes 172 acres of forest retention (99% retained) and 82 acres of new forest planted, totaling 255 acres of protected forest (parkland and Cat. I easements). 2. Ashford Woods includes 51 acres of forest retention (87% retained) and 15 acres of new forest planted, totaling 66 acres of protected forest.</p> <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Continue to map tree stumps for canopy replacement. - Continue to require mitigation planting under the new requirements of the Forest Conservation Law amendments. - Continue to coordinate with the Planning Department on plantings through the Parks Reforestation Program. Planned plantings for FY23 include: Watts Branch Stream Valley Park: approximately 250 trees across 5.2 acres; Rock Creek Stream Valley Park: 5 large caliper trees; Rosemary Hills Local Park: 2 large caliper trees; Lynnbrook Park: 5 large caliper trees; additional projects will be added throughout the year. 	<p>Category I forest conservation easement to the Commission may also receive free reforestation through our program. In these cases, reforestation areas must be at least 1 acre and within a stream valley buffer and/or adjacent to existing forest.</p> <ul style="list-style-type: none"> - The team updated to the Reforest Montgomery coupon, which increased the discount from \$40 to \$50 off a native tree purchased at a participating retailer. - Since the start of the program in 2019, Reforest Montgomery has planted forest across 37 acres of public and private property, provided a discount on 2,290 native trees, planted 137 large trees on Commission parkland, and planted 361 free native trees on private properties throughout the County. - Over the next several planting seasons, we plan to increase the number of free trees offered through the Reforest Montgomery free tree program, with a goal of doubling the number of free trees planted annually from 100 trees to 200 trees. Applications for free trees from property owners within the Equity Focus Areas of the county are prioritized. - The County Council held a public hearing on the "No Net Loss of Forest" amendment to the Forest Conservation Law in early October 2022. In 2023, the County Council advanced the Planning Board's proposed 'No Net Loss of Forest' with amendments to the County's Forest Conservation Law (Bill 25-22-Forest Conservation – Trees). The 'No Net 	
--	---	---	--

	<p>- Continue to develop and maintain reforestation planting standards in accordance with best management practices to achieve survivorship and establishment to Piedmont Forest typology. - The Weed Warriors Program is continuing to train new members and planning workdays for the upcoming fiscal year.</p> <p>- Urban Forest Patches Program: The Horticulture, Forestry, and Environmental Education Division and Park Planning and Stewardship Divisions have mapped out small urban forest patches in our local, urban, and neighborhood parks. They collected data on species diversity, invasive cover, and understory health of the patches. Most of these patches are not currently managed but serve a deep ecological purpose in areas of the county with low forested and tree canopy cover. Program is in the early stages, and first project is in Carroll Knolls Local Park, implementing NNI and understory plantings. The program will increase forest health and make the patches more resilient to climate change.</p>	<p>Loss of Forest' amendments were enacted by the County Council and County Executive on April 3, 2023. The amendments included:</p> <ul style="list-style-type: none"> o Incentivize strategic protection of existing forest o Encourage planting new forests in areas of the county where forest cover is lacking, and o Expand options to create forest ecosystems and increase long-term resilience of planted forests. <p>- In late April, 2023, the Reforest Montgomery team held a public webinar for interested residents to provide information on the discounted/free trees and free reforestation available through the program. The recorded webinar is available at montgomeryplanning.org/reforest.</p> <p>- All tree planting and reforestation programs of Reforest Montgomery are continuing to expand tree canopy and forest cover in Montgomery County, and the 'no net loss' amendments to the Forest Conservation Law are now being implemented.</p>	
--	--	---	--

<p>S-2: Retain and Increase Tree Canopy</p>	<p>DEP:</p> <ul style="list-style-type: none"> - DEP will recruit for a nature-based climate solutions position in FY23 to assist with ongoing work towards meeting related CAP actions. - DEP will increase planting under the Tree Montgomery Program in FY23. Due to new hire of a tree planting staff in FY22, DEP expects additional plantings to be made in FY23. Several grant opportunities have been confirmed, and plans are underway. DEP has received \$1.5 million through the FY22 Omnibus Appropriations, with half of this targeted for tree planting and the other half for green infrastructure. DEP was awarded a grant through the DNR Trust Fund for a reforestation project at the Wheaton Branch property. DEP will be receiving a \$169,000 grant from the Chesapeake Bay Trust as part of Maryland's 5-million tree initiative and will initiate planting in fall 2023. DEP will continue to pursue opportunities for tree planting and reforestation through the 5-million tree initiative as the programs develop. - The Planning Department put forth amendments to enhance the Forest Conservation Law; the amendments are with Council, and Council is expected to take action in FY23. The amendments will help with forest and tree conservation during development projects that are subject to the Forest Conservation Law. - DEP will review the potential for new legislation to protect additional trees any time 	<p>DEP:</p> <ul style="list-style-type: none"> - The Department of Environmental Protection (DEP) Tree Montgomery completed the planting of almost 3,800 trees for FY23 including the planting of the 10,000th tree for the Tree Montgomery program. This is a record number of trees planted through this program which began in 2015. (CAP Action S-2) - DEP received a grant through the Chesapeake Bay Trust/Maryland 5-Million Tree Initiative to install shade trees in Equity Focus Areas. DEP worked with the Department of General Services to identify more than 380 planting sites on 12 properties and the planting of these 380 trees was completed in Q3. (CAP Action S-2) - DEP applied for grant through the Chesapeake Bay Trust/Maryland 5-Million Tree Initiative to plant 1,348 urban shade trees, including 1,154 through the grant and 194 as in-kind match. The shade trees will be installed at 41 Montgomery County Public Schools (MCPS). (CAP Action S-2) - The Clean Water Montgomery Grant Program awarded 23 of the 30 applications in February. DEP and the Chesapeake Bay Trust (the Trust) are partners in the program through the Trust's grant process. County nonprofit organizations such as local watershed groups, homeowner and community associations, faith-based organizations, and civic groups can apply for grants for projects including tree planting, installing permeable pavers or creating rain 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Tree Diversity Planting Plan: In addition to use of tree diversity data generated by the Parks landscape tree inventory to select a diverse and climate-resilient palette of trees for particular sites, the Parks team is also now utilizing data from the County's Urban Heat Island Mapping Campaign (2022) to assess heat distribution patterns in parks to prioritize future planting locations that reduce urban heat impacts. Park sites located within or adjacent to Equity Focus Areas also receive additional review for opportunity to plant landscape trees to further support mitigation of climate impacts within these communities. - Preventative Tree Maintenance: HFEE urban forestry program is instituting a 3 to 5 year rotation of preventative tree pruning and preventative tree maintenance. This help retain our current canopy by improving tree health. The goal is to prune the landscape trees in approximately 50 parks in FY24 - 2023 Urban Tree Summit is planned to be held in September.
---	---	--	---

	<p>there is redevelopment, perhaps using the model of the Roadside Tree Law.</p> <ul style="list-style-type: none"> - DEP will continue to implement riparian plantings above regulated requirements in stream restoration projects. <p>MCDOT:</p> <ul style="list-style-type: none"> - Will have additional funding for tree planting, enabling the Department to increase the rate of tree planting efforts. A total of over \$800K has been budgeted for FY23 stump removal and tree planting to improve the urban tree canopy. - MCDOT submitted a grant application to Chesapeake Bay Foundation and Casey Trees for \$800k; should any or all of these funds be awarded, they will enhance the Department’s tree planting efforts. <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Continue to increase focus and prioritization on parks located in Equity Focus Areas to ensure that they are being/have been visited on a regular basis for assessment of tree planting/canopy coverage needs. - The 2022 Urban Tree Summit is set to take place in September 2023 and is open to the public. There will be virtual and in-person field days, including an educational tour of Pope Farm Tree Nursery. -Tree Diversity Planting Plan: The Horticulture, Forestry, and Environmental Education Division (HFEE) mapped out the diversity of current landscape trees and built out a tree diversity management plan. Each maintenance region 	<p>gardens. The grant program is made possible through the County’s Water Quality Protection Fund and through federal appropriations. (CAP Action S-2, S-5)</p> <ul style="list-style-type: none"> - Staff continued working with congregations for the Congregations for Clean Water campaign to encourage local congregations to install green infrastructure. One congregation received 4 trees thus far and staff are working with 4 other congregations that expressed interest during the reporting period. To expand the Congregations for Clean Water program, staff applied for \$2,550,000 in federal appropriations but were denied funding. (CAP Action S-2, S-5) - DEP received a grant through the Chesapeake Bay Trust/Maryland 5-Million Tree Initiative to install shade trees in Equity Focus Areas. DEP worked with the Department of General Services to identify more than 380 planting sites on 12 properties and the planting of these 380 trees was completed in Q3. (CAP Action S-2) - DEP applied for grant through the Chesapeake Bay Trust/Maryland 5-Million Tree Initiative to plant 1,348 urban shade trees, including 1,154 through the grant and 194 as in-kind match. The shade trees will be installed at 41 Montgomery County Public Schools (MCPS). (CAP Action S-2) - The Clean Water Montgomery Grant Program awarded 23 of the 30 applications in February. DEP and the Chesapeake Bay Trust (the Trust) are partners in the program through the Trust’s grant process. County 	
--	--	--	--

	<p>was given a species and age diversity rating, along with an action plan to increase diversity levels. This will ensure our current canopy is resilient to climate change and pest/disease. Currently collaborating with Pope Farm to ensure new plantings follow recommendations. Preventative Tree Maintenance: In the past Tree Crews have only been able to perform reactive tree maintenance. HFEE urban forestry program in instituting a 3-year rotation of preventative tree pruning and preventative tree maintenance. This help retain our current canopy by improving tree health.</p>	<p>nonprofit organizations such as local watershed groups, homeowner and community associations, faith-based organizations, and civic groups can apply for grants for projects including tree planting, installing permeable pavers or creating rain gardens. The grant program is made possible through the County’s Water Quality Protection Fund and through federal appropriations. (CAP Action S-2, S-5)</p> <ul style="list-style-type: none"> - Staff continued working with congregations for the Congregations for Clean Water campaign to encourage local congregations to install green infrastructure. One congregation received 4 trees thus far and staff are working with 4 other congregations that expressed interest during the reporting period. To expand the Congregations for Clean Water program, staff applied for \$2,550,000 in federal appropriations but were denied funding. (CAP Action S-2, S-5) <p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Parks has mapped out the diversity of current trees and is working to implement a tree diversity plan with goals for each region of the County. - Preventative Tree Maintenance: First full fiscal year of Parks instituting a 3-year rotation of preventative tree maintenance to help retain the current canopy. In FY23, the tree crew 1,127 tree in 53 different parks. - The 2022 urban tree summit was held in September 2022 with a virtual conference and in person field days, one of which was at 	
--	---	---	--

		<p>Pope Farm Nursery, Park's plant production facility in Gaithersburg.</p> <p>M-NCPPC-Planning:</p> <p>- The resolution of adoption of the Silver Spring Downtown and Adjacent Communities Plan was approved unanimously by the Montgomery County Planning Board on June 2. The Silver Spring and Downton Adjacent Communities Plan recommends:</p> <ul style="list-style-type: none">• Implementing a Green Loop concept to create shaded, performance-based complete streets to serve the Plan area.• Increasing overall tree canopy cover to 45% tree canopy coverage on both public and private property.	
--	--	--	--

<p>S-3: Restore and Enhance Meadows and Wetlands (Not in Climate Work Plan 2022)</p>	<p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - On-Going meadow restoration projects: Rachel Carson Conservation Park: Project was started in 2021 and will be approximately 20 acres. Currently working on a 12-acre section adjacent to completed 8-acre section. - Locust Grove Nature Center: Project will create a small half-acre demonstration plot for environmental education and pollinator habitat. Meadowside Nature Center: Project includes a 1.5acre restoration for environmental education and pollinator habitat. - On-going wetland restoration projects: Little Bennett Regional Park: Just began restoration; project will be 20 acres in size when complete. The wetland will enhance habitat for protected species and is adjacent to Little Bennett creek. - Rock Creek Regional Park: Project is ongoing and will be approximately 5 acres and include invasive species control. Over 500 native plants will be supplied by Pope Farm and reintroduced by volunteers in the Weed Warrior Program. Black Hill Regional Park: On-going project is a 6-acre restoration along Cabin Branch stream valley, which will likely expand after the current acreage is complete. <p>DEP:</p> <ul style="list-style-type: none"> - DEP's Inspection and Maintenance team will conduct an inventory of potential restoration opportunities at stormwater maintenance facilities that are currently maintained in turf, for conversion to meadow habitat. 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Meadow Restoration Projects Completed: Locust Grove Nature Center: Project will create a small half acre demonstration plot for environmental education and pollinator habitat. Meadowside Nature Center: Project includes a 1.5-acre restoration for environmental education and pollinator habitat. <p>Wetland Restorations are still on-going.</p>	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Meadow Restoration Project: Rachel Carson Conservation Park: Project was started in 2021 and will be expanded in FY24 to include a total of 25 acres when completed. - Wetland restoration: Little Bennett Regional Park: Currently coordinating resources to increase restoration and NNI management. The wetland will enhance habitat for protected species and is adjacent to Little Bennett creek. - Received funding to hire 2 FTE staff to act as in-house field crew to control NNI and plant natives in high quality habitats. This will help increase management to retain wetlands, meadows, and forests on parkland.
---	--	---	--

<p>S-4: Regenerative Agriculture</p>	<p>M-NCPPC - Planning: - Advanced amendments to Forest Conservation law have been transmitted to County Council. The Planning Department incorporated recommendations of a stakeholder committee. The goal of the amendments is to get closer to a net zero forest loss status.</p> <p>M-NCPPC – Parks: - Agricultural leases will continue to have nutrient management, soil conservation, and use of cover crops.</p> <p>OAG: - Continue to promote food scrap composting, cover cropping, nutrient management practices, and leaf-grow deliveries. We will work with ILSR to construct the composting training site at the AHFP and hold trainings.</p>	<p>M-NCPPC-Planning: The County Council received advanced amendments to Bill 25-22, Forest Conservation – Trees. The Bill amended the Forest Conservation Law that will Achieve a no net loss of forest. Draft amendments to the law and regulations included:</p> <ul style="list-style-type: none"> • Increasing the amount of forest that needs to be preserved (forest conservation thresholds) in lower density land use categories, where additional space exists for on-site planting and protection. • Increasing forest planting (afforestation) requirements in the institutional land use category. • Increasing reforestation ratios and incentivizing required forest mitigation in the same watershed as the project or in a watershed considered high priority for forest planting or forest preservation. • Requiring planting of forest in unforested stream valley buffers, with some exceptions, such as if the stream valley buffer is not suitable to establish and retain required forest planting • Expanding options to create forest ecosystems and increase long-term resilience of planted forests. 	<p>OFSR: - Pursue opportunities to support access to land for food production and education, including for urban agriculture. Support MCPS initiative to establish REACH Hubs and food production on school properties. Consult with Manna Food Center and DHHS on the Farm to Foodbank Program capacity building grants program, which provides funding to Montgomery County farms to support their food production, including equipment and supplies necessary to implement regenerative agriculture practices.</p>
--------------------------------------	--	---	---

<p>S-5: Restore Soil Fertility, Microbial Activity, and Moisture Holding Capacity</p>	<p>DEP:</p> <ul style="list-style-type: none"> - Continue planting and establishing forests and trees through several programs and grant-funded projects. The Department of Environmental Protection will continue to expand its RainScapes program on private property through the installation of conservation landscape and rain garden projects (over 150 new projects). - Continue commercial food scraps recycling partnership program, soliciting partners that generate food scraps; providing technical assistance and best practice recommendations; helping to set up on-site food scraps separation and storage/recycling containers; providing collection/transportation to a compost facility; providing for processing fees; etc. - Continue to work with businesses, non-profit organizations, and local, state and Federal government facilities, providing technical assistance and support to establish recycling programs for food scraps. - Continue Phase I and launch Phase II of the singlefamily residential curbside recycling collection of food scraps pilot. Work will include selecting a contractor to collect food scraps from participating households; determining areas of eligible households; soliciting participation of eligible households; developing and producing educational materials; securing recycling carts, kitchen counter caddies, and compostable liners for up to 3,400 participating households; and more. 	<p>DEP:</p> <ul style="list-style-type: none"> - The Clean Water Montgomery Grant Program awarded 23 of the 30 applications in February. DEP and the Chesapeake Bay Trust (the Trust) are partners in the program through the Trust’s grant process. County nonprofit organizations such as local watershed groups, homeowner and community associations, faith-based organizations, and civic groups can apply for grants for projects including tree planting, installing permeable pavers or creating rain gardens. The grant program is made possible through the County’s Water Quality Protection Fund and through federal appropriations. (CAP Action S-2, S-5) - Staff continued working with congregations for the Congregations for Clean Water campaign to encourage local congregations to install green infrastructure. One congregation received 4 trees thus far and staff are working with 4 other congregations that expressed interest during the reporting period. To expand the Congregations for Clean Water program, staff applied for \$2,550,000 in federal appropriations but were denied funding. (CAP Action S-2, S-5) - The Clean Water Montgomery Grant Program awarded 23 of the 30 applications in February. DEP and the Chesapeake Bay Trust (the Trust) are partners in the program through the Trust’s grant process. County nonprofit organizations such as local watershed groups, homeowner and community associations, faith-based 	<p>DHCA:</p> <ul style="list-style-type: none"> - The Code Enforcement Division will continue to identify violations associated with faulty gutters, downspouts, dry ponds, retention ponds and storm water management. The Neighborhood Revitalization Division will continue to identify CDGB eligible projects that help to restore soil fertility microbial activity and moisture holding capacity. <p>OAG:</p> <ul style="list-style-type: none"> - Continue to promote conservation tillage and cover cropping to farmers that request assistance from OAG. Continue encouraging farmers to take advantage of the information and services offered by the Montgomery Soil Conservation District and the University of Maryland Extension-Montgomery County. 2) Continue placing properties into agricultural easements that require SCWQ plans. <p>OFSR:</p> <ul style="list-style-type: none"> - Continue to promote and seek opportunities to expand organics recycling in County institutions and in residential settings, and support on-farm composting initiatives led by OAG. The Montgomery County Food Council, which receives contract funding through the OFSR, provides leadership in
---	--	--	---

	<ul style="list-style-type: none"> - Continue to provide outreach and education on the benefits of grasscycling and composting. - Continue to distribute educational materials and conduct training sessions on using rodent-proof compost bins to include food scraps in backyard composting efforts. Continue testing and evaluation of two rodentproof compost bins by an expanded group of volunteer residents: one static compost bin model and one dual-chamber tumbler compost bin model. - Continue to conduct educational workshops and training for backyard composting of yard trim and backyard composting of food scraps using rodentproof compost bins. - Continue to provide compost bins to residents directly or via 22 partner distribution locations to encourage managing yard trim and food scraps at the source and create compost for use to improve soil health. <p>OAG:</p> <ul style="list-style-type: none"> - Continue to promote these practices and show the good work farmers do to reduce GHG and reduce pollution to the Chesapeake Bay. - OAG posts the GHG reduction of agricultural BMP installation; the COMET tool calculates the reduction in GHG for a BMP installed to NRCS standards. OAG posts GHG reduction and N, P, and sediment reductions on its website. - The Department of Environmental Protection will continue to expand its RainScapes program on private property through the installation of conservation landscape and rain garden projects 	<p>organizations, and civic groups can apply for grants for projects including tree planting, installing permeable pavers or creating rain gardens. The grant program is made possible through the County's Water Quality Protection Fund and through federal appropriations. (CAP Action S-2, S-5)</p> <ul style="list-style-type: none"> - Staff continued working with congregations for the Congregations for Clean Water campaign to encourage local congregations to install green infrastructure. One congregation received 4 trees thus far and staff are working with 4 other congregations that expressed interest during the reporting period. To expand the Congregations for Clean Water program, staff applied for \$2,550,000 in federal appropriations but were denied funding. (CAP Action S-2, S-5) <p>DCHA:</p> <ul style="list-style-type: none"> - DHCA's Code Enforcement Division as a part of it's inspection processes routinely inspects building exteriors and grounds to ensure that gutters, downspouts, dry ponds, retention ponds and other irrigation systems to ensure that they are in good working order and function as designed. This Division also addresses complaints associated with abandoned or operable vehicles parked on permeable surfaces in residential rear yards which can contribute to erosion and soil contamination. These activities helps to control storm water run-off, prevent soil contamination and ensure that cleaner water enters local estuaries and the 	<p>increasing resilience and sustainability through advocacy, network, and capacity building in the county's food system by connecting over 2,000 educators, nonprofits, government agencies, farmers and food entrepreneurs, and residents.</p>
--	--	---	--

	<p>(over 150 new projects).</p> <ul style="list-style-type: none"> - Continue commercial food scraps recycling partnership program, soliciting partners that generate food scraps; providing technical assistance and best practice recommendations; helping to set up on-site food scraps separation and storage/recycling containers; providing collection/transportation to a compost facility; providing for processing fees; etc. - Continue to work with businesses, non-profit organizations, and local, state and Federal government facilities, providing technical assistance and support to establish recycling programs for food scraps. - Continue Phase I and launch Phase II of the singlefamily residential curbside recycling collection of food scraps pilot. Work will include selecting a contractor to collect food scraps from participating households; determining areas of eligible households; soliciting participation of eligible households; developing and producing educational materials; securing recycling carts, kitchen counter caddies, and compostable liners for up to 3,400 participating households; and more. Continue to provide outreach and education on the benefits of grasscycling and composting. - Continue to distribute educational materials and conduct training sessions on using rodent-proof compost bins to include food scraps in backyard composting efforts. 	<p>Chesapeake Bay. The Neighborhood Revitalization Division Completed the installation of a storm water management at Kimberly Place, a CDGB eligible community that improves the quality of the water entering the Chesapeake Bay. This Division also completed the installation of new LED lighting and other site improvements, including tree planting and replacement in Montgomery Village and Wedgwood that provide better, more efficient lighting, improved walkability; prevents soil erosion; reduces carbon dioxide and reduces water pollution.</p> <p>OAG:</p> <ul style="list-style-type: none"> - University of Maryland Extension-Montgomery County, one of the partner agencies that receives County funding through the OAG, educates farmers about conservation tillage and cover cropping, practices that increase soil fertility, microbial activity, and moisture-holding capacity by sequestering carbon in the soil in the form of organic matter. The Montgomery Soil Conservation District administers the cover crop incentive program and low-cost no-till equipment rental program. As a result of these efforts, a very high percentage of county farmers practice conservation tillage and cover cropping. 2) When a property is put into an agricultural preservation easement in the county, the property owner 	
--	---	---	--

		<p>is required to obtain a Soil Conservation and Water Quality (SCWQ) plan from the Montgomery Soil Conservation District. SCWQ plans provide recommendations for conservation practices that protect the soil. In FY23, the OAG helped put three properties into agricultural preservation easements, all of them requiring SCWQ plans.</p>	
--	--	--	--

<p>S-6: Whole-System Carbon Management and Planning</p>	<p>DEP:</p> <ul style="list-style-type: none"> - DEP, in collaboration with the Urban Sustainability Directors Network's Nature Based Climate Solutions initiative and a workgroup with Planning Department and Department of Parks, will use the Nature-based climate solutions initiative framework to identify co-benefits associated with different interventions. DEP is convening a cross-departmental workshop in early FY23. Using the County's data, DEP and partners will identify ways to tap into the Trust for Public Land's carbon management tool. - DEP will continue to implement the lawn care program in FY23. - DEP will continue to plant and establish forests and trees through several established programs and grant-funded projects. - DEP promotes conservation landscapes through the Rainscapes program. <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Second annual Parks urban wood sale is set to take place in October of 2023. Continue to be an active member of natural climate solution working group led by the county. 	<p>M-NCCPC-Parks:</p> <ul style="list-style-type: none"> - The second annual Parks urban wood sale was held on December 10 and 11 that earned approximately \$43,000 in revenue to support the green waste recycling program <p>M-NCPPC-Planning:</p> <p>The County Council received advanced amendments to Bill 25-22, Forest Conservation – Trees. The Bill amended the Forest Conservation Law that will Achieve a no net loss of forest. Draft amendments to the law and regulations included:</p> <ul style="list-style-type: none"> • Increasing the amount of forest that needs to be preserved (forest conservation thresholds) in lower density land use categories, where additional space exists for on-site planting and protection. • Increasing forest planting (afforestation) requirements in the institutional land use category. • Increasing reforestation ratios and incentivizing required forest mitigation in the same watershed as the project or in a watershed considered high priority for forest planting or forest preservation. • Requiring planting of forest in unforested stream valley buffers, with some exceptions, such as if the stream valley buffer is not suitable to establish and retain required forest planting • Expanding options to create forest ecosystems and increase long-term resilience of planted forests. 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - The third annual Parks urban wood sale is scheduled for December 10 and 11.
---	---	--	--

Adaptation Actions	FY23 Plans	FY23 Accomplishments	FY24 Plans
A-1: Water Infrastructure Resilience	<p>WSSC:</p> <ul style="list-style-type: none"> - Continue with updates to the GHG plan. 	<p>WSSC:</p> <ul style="list-style-type: none"> - Six WSSC facility sites deemed vulnerable to flooding in its 2020 Climate Change Vulnerability Assessment Adaptation and Mitigation Plan have been included in WSSC's external grant funding requests for FY 25. - WSSC has included six WSSC sites identified as vulnerable to flooding in WSSC's 2020 Climate Change Vulnerability Assessment Adaptation and Mitigation Plan for inclusion in FY 25 external grant funding requests to address flood proofing recommendations. 	<p>WSSC:</p> <ul style="list-style-type: none"> - WSSC Water has applied for Maryland DNR Chesapeake Coastal Grant Gateway to assist with WSSC's implementation of the flood vulnerability mitigation FY 25 projects at multiple identified WSSC sites - New WSSC Water Emergency Operations Plan and Risk & Resilience Assessment planned for FY25 together with updated continuity of operations plans. - Smart One Water program seeking watershed level planning for entire water-cycle supplemented by smart water systems to reduce water loss and increase efficiency

<p>A-2: Repair and Enhancement of Stormwater Conveyance Systems</p>	<p>DEP -The Department of Environmental Protection will complete the design and permitting for the Wheaton Dam Flood Mitigation project by January 2023, and construction is expected to be completed in late 2024. -The Department of Environmental Protection will be applying to the United States Army Corps of Engineers for Planning Assistance to the State funding to study the causes of flooding and potential solution to these flooding problems in several watersheds.</p> <p>MCDOT: - The CIP budget for stormwater conveyance drains, outfall repairs, and culvert replacement will nearly double in FY23, approximately \$8.8 million more in the FY23-28 CIP for additional permit-related projects. Expanding capacity to undertake stormwater conveyance repairs and culvert replacement. The additional funds will be matched to MCDOT’s capacity to advance these projects.</p> <p>M-NCPPC – Parks: - MCDOT was able to secure additional funding for design and construction for their storm drain program. Parks is currently coordinating 3 projects that are set to begin construction in FY23.</p>	<p>MCDOT: - Ride On Reimagined Study continues. Phase 1 completed; and Phase 2 is currently underway with proposed improvements and expansions.</p> <p>M-NCPPC-Parks: - MCDOT was able to secure additional funding for design and construction for their storm drain program. Timeline for completion of Vandever st Outfall and Georgian Forest Local Park storm drain rehabilitation is calendar year 2023. Lillystone Dr and Garrett Park Rd outfalls have moved into design phase.</p>	<p>M-NCPPC-Parks: - In FY24, continue to work with MCDOT to identify and help prioritize county storm drain outfall projects. Since the start of FY24, the Georgian Forest LP outfall rehabilitation has been completed. Howard Ave outfall was completed. Vandever St outfall is planned to be constructed by the end of the calendar year. Four other projects are currently in survey/design stage.</p>
---	---	---	--

<p>A-3: Temperature Monitoring and Alerts</p>	<p>OEMHS:</p> <ul style="list-style-type: none"> - Extreme temperature plan is updated by OEMHS twice per year. - Working with the state of Maryland (MDEM) on a state-level weather data system that the state will own. <p>OEMHS & DEP:</p> <ul style="list-style-type: none"> - NOAA Urban Heat Campaign will be conducted in FY23. The Campaign is currently scheduled for early August. Coordination between NOAA, OEMHS, and DEP is underway. The County will partner with the American Geophysical Union to solicit assistance from a scientist through the Thriving Earth Exchange program to analyze the data gathered by County heat mapping campaign volunteers. Among other outcomes, the results will be used to identify communities to target shade tree plantings on private property and along streets. 	<p>OEMHS:</p> <ul style="list-style-type: none"> - The Extreme Temperature Plan was updated in May 2023 and October 2023. The Plan is updated twice per year to prepare for the summer and winter seasons. - OEMHS staff continue to generate temperature alerts for the public through Alert Montgomery during extreme heat and cold events. Alert Montgomery has 236,763 registered contacts, the largest mass notification system in Maryland, with an average of 1% to 3% growth each month. - OEMHS continues to coordinate with Maryland Department of Emergency Management (MDEM) and the University of Maryland (UMD) on the state-level weather system, called Mesonet. The first mesonet site was installed in Howard County in October. We are coordinating the site locations for Montgomery County with MDEM and UMD. The first Montgomery County site has been identified and permitting for installation is in progress, with installation anticipated in spring of 2024. 	
---	---	--	--

<p>A-4: Extreme Weather Energy Efficiency Building Code (Not in Climate Work Plan 2023)</p>		<p>DPS: - The Energy Code increases envelope performance each code cycle, this increases thermal performance of buildings in extreme weather. EV and ESS ready language prepares buildings for onsite generation and storage of energy in emergency situations.</p>	<p>DPS: - Enforcement of new codes will start spring of 2024, no later than May 30th.</p>
<p>A-5: Climate-Adapted Housing Incentives/Subsidies (Not in Climate Work Plan 2022)</p>	<p>DEP: - In FY23, DEP will launch a pilot program that will provide climate resilience funding for low- and moderate-income housing, to fill funding gaps in existing programs that these households may benefit from. Funds will have a broad scope of possible uses to help people stay in their homes and insulate these existing homes from climate vulnerabilities. DEP, through Tree Montgomery and several grant awards, will target frontline communities for shade tree plantings to increase the benefits of shading built surfaces and AC units.</p> <p>MCGB: Work with the County and property owners to understand the needs of affordable rental property owners to meet climate-adapting improvements and determine initial strategies for responding.</p>		<p>MCGB: - MCGB received new authorities from the County Council to engage in climate resilience activities. It is conducting a stakeholder engagement process in FY24 to identify key areas of Green Bank support including adaptation actions.</p>

<p>A-6: Green/Cool/PV Roof and Pavement Code (Not in Climate Work Plan 2023)</p>		<p>DPS:</p> <ul style="list-style-type: none"> - A code amendment proposal has been drafted that will require new construction to comply with more aggressive SRI values <p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - The DownCounty Planning Division has received the final version of Downtown Silver Spring Cool Streets Guidelines. The Guidelines were written by Rhodeside and Harwell from a Transportation Land-Use Connections grant obtained by the Council of Government. It assessed the Universal Thermal Temperatures associated with various impervious surfaces within Silver Spring and made recommendations for cooling the urban streetscape. In this process Planning staff have advanced the research, costs, benefits, maintenance, and priority areas for urban cooling strategies to mitigate the effects of urban heat and climate change. Staff have also considered collaborative efforts to demonstrate, study, and advance various urban cooling strategies. Application of these techniques will be applied during the site planning process. - The Silver Spring Downtown and Adjacent Communities Plan recommends all new development have a green cover of 35% or greater. This can be achieved through the planting of native trees, green roof, or a combination of both. 	<p>DPS:</p> <ul style="list-style-type: none"> - Enforcement of new codes will start spring
---	--	---	---

<p>A-7: Green Public Spaces</p>	<p>DEP: - See A-10.</p>	<p>M-NCPPC-Planning: - The recently approved Silver Spring Downtown and Adjacent Communities Plan recommends expanded vegetated parks, open spaces, and amenities within a 5-minute walk for all residents.</p>	
<p>A-8: Harden Emergency Shelters and Install Resilience Hubs</p>	<p>DGS: - Scotland Resilience Hub is scheduled for completion in October 2022. Look to prioritize other neighborhood recreation centers to turn into resilience hubs. OEMHS: - Recruit a Climate Adaptation program manager to support this effort.</p>	<p>DGS: - Scotland Resiliency Community Hub operational FY23. - Animal Shelter Resiliency Microgrid completed FY23. - Brookville Smart Bus Depot Microgrid completed FY23. OEMHS: - The OEMHS Climate Adaptation Program Manager was onboarded in April 2023. The County's first Resiliency Hub microgrid and battery backup were installed in spring of 2023 by DGS at Scotland Neighborhood Recreation Center. A list of sites for prioritization of resilient infrastructure/microgrids and resiliency hubs was developed by DGS, with whom OEMHS is cooperating to seek funding and prioritize placement. Work is also beginning to coordinate collaboration with other</p>	<p>DGS: - DGS worked with OEMHS to identify Resiliency Hub locations and preparing RFP release FY24.</p>

		<p>departments on community engagement and hub staffing during service disruptions. OEMHS is planning a training for spring of 2024 with County staff and nonprofit partners on best practices for the development of resiliency hubs, including site prioritization, collaboration with government and nonprofit service providers, community outreach and engagement, and funding mechanisms. Training will be provided with funding from the Maryland Emergency Response System.</p>	
<p>A-9: Mold Protection and Remediation (Not in Climate Work Plan 2022 and 2023)</p>		<p>DHCA: - DHCA's Code Enforcement Division regularly inspects multi-family rental properties on a scheduled basis and single family properties on complaint basis. During these inspections, inspectors regularly inspect for mold or for water leaks of infiltration that lead to, or contribute to mold growth. In a multi-family property, If more that 20% of the units in a building are identified to have mold, the property is designated as Troubled and must submit a corrective action plan outlining how they will remediate the mold and also prevent it from occurring in the future. For Single-family properties, notices of violations are issued and inspectors schedule follow-up visits to the property to ensure that the mold is remediated. Additionally, DHCA's Neighborhood Revitalization Division is charged with</p>	<p>DHCA: - DHCA's Code Enforcement Division will continue to conduct inspections at multi/single family dwellings in a manner that focuses on identifying violations that are associated with water leaks, infiltration and mold. The Neighborhood Revitalization Division will continue to identify and complete projects that contribute healthy building and home conditions.</p>

		<p>identifying needed upgrades at CDGB eligible neighborhoods that may involve storm water management projects which could lead to a decrease in water infiltration and the associated mold growth. This Fiscal Year, one such storm water management project was completed by this division in Montgomery Village. Another such project was completed at The Kimberly Place Condominium Community which was experiencing significant underground and surface water drainage issues that led to several large areas of standing surface water, water seepage into basements and failing of home foundations. Twenty-two 10 feet deep drainage trenches were installed throughout the community to mitigate storm water from entering lower levels of residences and causing mold growth.</p>	
<p>A-10: Green Infrastructure</p>	<p>DEP:</p> <ul style="list-style-type: none"> - DEP is in the process of reviewing Pay for Performance proposals and Invitations for Bids for projects that will include green infrastructure elements. - DEP's congregations for clean water initiative will lead to green infrastructure planning work in FY23. - DEP, through Tree Montgomery and several grant awards, will target frontlines communities for shade tree plantings to increase the benefits of shading-built surfaces and AC units. - DEP will release its 9th RFP for Watershed Implementation grants in partnership with the Chesapeake Bay Trust. This year's RFP will include 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - DEP and Parks have signed an MOU to expand this work. Parks currently has 6 active projects to implement on behalf of DEP's MS4 permit. Clearspring Stream Restoration is complete. Glenallan Stream Restoration is in permitting. Desmet Outfall and North Creek Stream Restoration are in design. <p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - The recently approved Silver Spring Downtown and Adjacent Communities Plan recommends expanded vegetated parks, open spaces, and 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Montgomery Parks is on track to achieve the 20% restoration requirement by 2025 as outlined in the Phase II MS4 permit. Additionally, the Maryland Department of the Environment (MDE) requested a plan for restoration implementation beyond 2025. Montgomery Parks is positioned to implement restoration projects beyond 2025 to meet the Department's recommendation to plan for additional restoration equivalent to 10% of the current baseline by 2030. - Parks currently has 5 active projects to implement on behalf of DEP's MS4 permit.

	<p>an expanded request for green infrastructure implementation projects to use the awarded EPA Community Grants, which are part of the \$1.5 million FY22 Omnibus Appropriations. DEP will continue training for stormwater BMP inspection and maintenance contractors, including ESD BMPs, and will begin a new program in partnership with the Alliance for the Chesapeake Bay to pilot inspection and maintenance incentives for ESD practices on private property in the Anacostia watershed, including a Green Ambassadors Program for maintenance assistance.</p> <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Continue projects to reach the 20% restoration requirement of its untreated impervious area for its Phase II MS4 permit. - DEP and Parks have signed an MOU to expand this work to include an additional 4 stream restoration and outfall projects. 	<p>amenities within a 5-minute walk for all residents.</p>	<p>Glenallan Stream Restoration is in permitting. Desmet Outfall, North Creek Stream Restoration and Lake Frank Outfalls are in design.</p>
--	---	--	---

<p>A-11: Climate Adapted Development Standards</p>		<p>DPS:</p> <ul style="list-style-type: none"> - PV, EV, and ESS language supports steps towards climate adaptation by allowing for the generation, storage, and transfer of energy for transportation 	<p>DPS:</p> <ul style="list-style-type: none"> - Enforcement of new codes will start spring
<p>A-13: Ban Stormwater Management Requirement Waivers</p>	<p>DEP:</p> <ul style="list-style-type: none"> - DEP and DPS have an effort underway to review the costs associated with water quality treatment waivers. <p>DPS:</p> <ul style="list-style-type: none"> - The County's stormwater management waiver process is already one of the most stringent in the area. DPS and DEP will collaborate in reviewing the existing fee structure for stormwater management waivers and will propose updates to the stormwater management waiver fees. 	<p>DPS:</p> <ul style="list-style-type: none"> - The County's stormwater management waiver process is already one of the most stringent in the area. DPS and DEP will collaborate in reviewing the existing fee structure for stormwater management waivers and will propose updates to the stormwater management waiver fees. 	

<p>A-14: Update Floodplain Maps</p>	<p>DPS:</p> <ul style="list-style-type: none"> - Anticipates receiving the preliminary flood maps for Montgomery County from FEMA, which will update the flood insurance program. Upon receipt of the flood maps, FEMA will undertake a six-month public comment period. - Participate in the Maryland Department of the Environment stakeholder consultation group to revise State stormwater management regulations. <p>OEMHS:</p> <ul style="list-style-type: none"> - New OEMHS hydrologist will start and will provide subject matter expertise on hydrologic processes. 	<p>DPS:</p> <ul style="list-style-type: none"> - DPS anticipates receiving the preliminary flood maps for Montgomery County from FEMA, which will update the flood insurance program. Upon receipt of the flood maps, FEMA will undertake a six-month public comment period. - DPS will participate in the Maryland Department of the Environment stakeholder consultation group to revise State stormwater management regulations. <p>OEMHS:</p> <ul style="list-style-type: none"> - The OEMHS Hydrologist started in September 2023. The hydrologist has been integrated into the County's Comprehensive Flood Management Planning team. 	
<p>A-15: Water Supply Protection</p>	<p>M-NCPPC – Planning:</p> <ul style="list-style-type: none"> -Continuing to apply updated guidelines to the Ten Mile Creek watershed. Planning staff is a member of the Patuxent Reservoir’s Watershed Technical Advisory Committee. There are ongoing long-term projects. One project is to develop a watershed-wide geodata base of the Patuxent watershed to enable the committee to map and analyze watershed. - WSSC Water will be hosting the geodatabase to advise the policy workgroup with inter-agency representatives. The committee is also working on a stream buffer restoration potential analysis to assess the potential for reforesting stream buffers in the reservoir watershed as a BMP to help the reservoir move closer to meeting its TMDLs for phosphorus and sediment. 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Clearspring Manor Stream Restoration was completed, which improved the habitat, improved water quality, and reduced erosion. Stream restoration projects in design and/or permitting include Glenallan Tributary, Pope Farm Tributary, Carderock Springs Tributary, Rich Branch and North Creek. All of these projects will be funded by the MDE SRF Loan, which is supported by the County WQPF. - Wildwood Road Outfall, Yates Street Outfall, Nairn Road Outfall and Byeforde Road Outfall stabilizations were completed. Wildwood and Yates are funded by the MDE SRF Loan, which is supported by the County WQPF. Designs are in progress for Howard Avenue, Flower Avenue 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Stream Restorations Planned for FY24: Pope Farm tributary is under construction. Stream restoration projects in design and/or permitting include Glenallan Tributary, Carderock Springs Tributary, Rich Branch and North Creek. All of these projects will be funded by the MDE SRF Loan, which is supported by the County WQPF. - Outfall Restorations planned for FY24: Howard Avenue, Flower Avenue Outfall, Parker Avenue Outfall, Desmet Place, and Lake Frank Outfalls. - Stormwater Retrofits for untreated impervious surfaces planned for FY24: Black Hill Regional Park, Colesville Local

	<p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Parks stormwater management staff will continue to ensure non-structural maintenance is completed on 837 SW BMPs in inventory. - Continue to include NNI management in the scope of stormwater projects. - Design and permitting are progressing for Clearspring and Glenallan stream restorations, and Pope Farm tributary is on the list of upcoming stream restoration projects. The MDE SRF Loan will fund the Clearsprings Manor Stream restoration. - Wildwood outfall stabilization is in the design phase, and the Byeford road outfall restoration is set to be complete at the beginning of FY23. Planned outfall restorations include Flower Avenue Urban Park, Wheaton Regional Park near Parker Avenue, and Yates. - Annual Pollution Prevention Training will continue in FY23. - Parks' stormwater retrofits of untreated impervious areas are planned at Maplewood-Alta Vista Local Park, Nolte Local Park, Dale Drive Local Park, and Colesville Local Park. <p>DEP:</p> <p>As part of the new MS4 Permit, the County (DEP, DOT, DGS, and MCPS) will start working on its salt management plan (SMP), which must be completed by FY25. The SMP shall be based on the guidance provided on best road salt management practices described in the Maryland Department of Transportation, State Highway</p>	<p>Outfall, Parker Avenue Outfall, Desmet Place, and Lake Frank Outfalls.</p> <ul style="list-style-type: none"> - Stormwater Retrofits for untreated impervious surfaces: Dale Drive Local Park was completed. Design is in progress for Black Hill Regional Park, Colesville Local Park and Nolte Local Park. - The updated Pollution Prevention Training was successfully completed by 335 staff. <p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - Planning staff is a member of the Patuxent Reservoir’s Watershed Technical Advisory Committee. The committee created the Patuxent Reservoirs Watershed Geodatabase that is hosted by WSSC-Water. The web app for the geodatabase is also complete and hosted by Prince George's County. The database enables participating agencies to do watershed mapping and analysis. In addition to hosting the database WSSC will also advise the policy workgroup with inter-agency representatives. - The Planning Department staff continued to participate in the DEP-led work group to develop a Comprehensive Flood Management Plan (CFMP) for the County. Phase 1 concluded with recommendations for how the County can improve the delivery of flood management services and reduce flood risk for residents, businesses and other stakeholders. Those recommendations were articulated as 17 specific “Outcomes”, each consisting of several “Necessary Competencies”. The Outcomes were assessed and prioritized based on levels of urgency, and interdependencies. Eleven of the 	<p>Park, Nolte Local Park, Glen Hills Local Park, and Kemp Mills Estates Local Park. D. Annual Pollution Prevention Training for Operations and Maintenance staff will continue in FY24.</p> <p>WSSC:</p> <ul style="list-style-type: none"> - <u>FY 24 and 25</u>: WSSC will continue to assess and purchase property as recommended to ensure a reliable water supply. - WSSC is a participant in updated and ongoing interstate agreements to preserve water during droughts. - Source water spill and contamination response exercises are conducted (annual through Interstate Commission on the Potomac River Basin). - Source Water Resilience planning to address source water resilience beyond off-river storage.
--	--	---	--

	<p>Administration’s Maryland Statewide Salt Management Plan, developed and updated annually as required by the Maryland Code, Transportation §8-602.1. The County’s SMP shall include, but not be limited to: a plan for evaluation of new equipment and methods, and other strategies for continual program improvement, training, and outreach for County personnel and contractors, developing and distributing best salt management practices outreach for educating residents within the County, and tracking and reporting.</p> <ul style="list-style-type: none"> - DEP will perform preventative Maintenance inspections on approximately 4,000 SWM BMPs under County jurisdiction and will assure that any identified maintenance needs are addressed. - Pesticide law, state fertilizer law education. - DEP submitted legislation in FY22 for onsite septic treatment, Bill 40-21 - Individual Water Supply and Sewage Disposal Systems; it is under Council review. - Refer to the other CAP actions that mention stream restoration and reforestation projects. 	<p>17 Outcomes were identified as having the highest urgency to get started on in Phase 2.</p> <ul style="list-style-type: none"> - Phase 2 of the project also began and is underway. It includes developing detailed implementation steps to further define the specific actions, in addition to watershed risk and alternative assessment, to advance the most urgent Outcomes as defined in Phase I. It will also identify watersheds in priority tiers for which more detailed studies should be conducted to assess risk of flooding, and develop and evaluate benefit/cost of alternatives, focusing on capital projects. <p>WSSC:</p> <ul style="list-style-type: none"> - WSSC water continues to support and comply with multiple agreements and organizations that protect and supplement the flow on the Potomac River to ensure a reliable source of water for the 5 million in the region. WSSC Water continues to pursue property purchases as buffer property to help protect the integrity of the WSSC reservoirs on the Patuxent River. - WSSC Water continues to support and comply with multiple agreements and organizations that protect and supplement the flow on the Potomac River to ensure a reliable water supply to 5 million in the region. WSSC water continues to purchase buffer property to help protect the integrity of the WSSC reservoirs along the Patuxent River. FY 24: WSSC initiated procurement for Real Estate and Brokerage Services. 	
--	---	---	--

<p>A-16 Flood Rescue Resources</p>	<p>DEP: - See G-16.</p>	<p>OEMHS: 35 Flood sensors have been installed at the County's most frequently flooded sites with funding from the US Department of Homeland Security. Data generated by the sensors on water levels and flood stages at bridges and dams is now fed directly to the ECC, OEMHS, MCPD, MCFRS, MCDOT, dam owners, and neighboring jurisdictions that may be impacted. Information on these flood sensors can be found on the County's flood website: https://www.montgomerycountymd.gov/flooding/county/flood-sensors.html</p> <p>OIR: - PIO promoted the County's installation of 35 Flood Sensors in flood-prone areas throughout the County through a media event and social media marketing.</p>	
<p>A-17: On-Site Water Reuse (Not in Climate Work Plan 2023)</p>		<p>WSSC: - WSSC water and waste water treatment plants utilize partially treated water for various process uses within the plants, including for gas and chemical eductors, site hydrants for washdown, and for chemical make-up water.</p>	<p>WSSC: - WSSC water and wastewater plants utilize partially treated used water as process water for process uses including gas and chemical eductors, site hydrants for washdowns, and chemical makeup water.</p>

<p>A-18: Expanded Community Gardens</p>	<p>OAG:</p> <ul style="list-style-type: none"> - Continue to find ways to produce more local food, work with MFCF and Manna, and work with DEP and DGS to link growers to county-owned land. <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Edgewood Community Garden will open in the Spring of 2023; it will help provide healthy, accessible food to this part of the County. - The Black Hill Community Garden (slated to open in 2023) will be adjacent to the Black Hill SEED classroom, allowing for increased learning opportunities and engagement with the public. - A community garden is under review in Stonehedge Local Park as a mini-refresher through the Level-of-Effort program. <p>HHS:</p> <ul style="list-style-type: none"> - The Office of Community Affairs is interested in helping the community gardens effort by providing community outreach support and connecting with faith-based organizations that may have land available for farming. 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - Edgewood Community Garden is completed with with 25 plots. - Black Hill Community Garden construction is complete with 15 raised beds constructed with wood recovered on Parkland through the Parks Green Waste Program. - Community Garden Program hired an additional full time staff member to help expand the program in the future. <p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - The Planning Department continued its work on the Fairland Briggs Chaney Master Plan that will be adopted in FY24. Recommendations include the development and support of Community Gardens in the Master Plan area. <p>OAG:</p> <ul style="list-style-type: none"> - The OAG has a limited role in helping establish community gardens given that the office does not own or control any properties nor has ties to community groups. The mission of the OAG is to promote agriculture as a viable component of the county's economic sector, and the large majority of agriculture takes place in the rural areas of the county, whereas community gardening takes place mainly closer to urban areas. The OAG would be very supportive in starting an incubator farm on the property the office is located in (Agricultural History Farm Park, Derwood), but this would require approval from the M-NCPPC, which is very unlikely. 	<p>M-NCPPC-Parks:</p> <ul style="list-style-type: none"> - FY24 the community gardens program will be focused on deeper dives in data, SOPs, gardener population, program offerings, educational outreach, website updates, technology automation and integration and other goals that expand the program in depth. - Stonehedge Local Park community garden will be included in park renovation project. <p>OFSR:</p> <ul style="list-style-type: none"> - Oversee the implementation of the 2023 Montgomery County Resident and Community Gardening Grant Program, including mid-year and end-of-year grant reporting; plan and budget for the 2024 program launch.
---	--	---	--

		<p>OFSR: - \$100,000 distributed across 10 organizations.</p>	
<p>A-19: Advocacy for Off-River Water Storage (Not in Climate Work Plan 2022)</p>	<p>DEP: - DEP will continue to support the effort to get federal funding to complete the necessary studies of alternative water supply options.</p>	<p>WSSC: - Reference the 10 year Montgomery County Water and Sewer Plan updated in 2022. The 2022 WRDA bill was passed and signed in 2022. Awaiting appropriation for the feasibility study. Possible to be included in the 2024 Congress Budget Bill.</p>	<p>WWSC: - Following appropriation of funding expected in 2024 (or thereafter), a feasibility is planned for Off-site water storage at Travilah Quarry.</p>

<p>A-20: Study Potential for Buildings in the County to Flood and Possible Remedies</p>	<p>DEP: - DEP is participating in the State's Advancing Stormwater Resiliency in Maryland (A-StoRM) initiative, which will potentially result in updated regulations for stormwater management. - The initiative began in FY22 to develop a comprehensive Flood Management Plan for the County will continue. This is a multi-year, multistage process involving a range of County departments and agencies that will ultimately lead to specific watershed studies intended to identify the causes of and potential solutions to flooding in the County. The effort will also result in recommendations related to the structure and resources of the County government focused on flooding preparation, response, and recovery.</p> <p>OEMHS: - Participating in the flood management study.</p> <p>MCDOT: - Assist DEP and DPS in participating with the MDE A-STORM stakeholder consultation process. - Participate in the Jacobs study on flooding.</p>	<p>OEMHS: - The OEMHS Hydrologist started in September 2023. The hydrologist has been integrated into the County's Comprehensive Flood Management Planning team.</p>	
---	---	--	--

Governance Actions	FY23 Plans	FY23 Accomplishments	FY24 Plans
<p>G-1: Build awareness among all Montgomery County Government staff about climate change</p>	<p>DEP: G-1, G-2, G-5, and G-6 have been consolidated (see G-2).</p> <p>M-NCPPC – Parks: Currently in the process of creating a 5-Year Sustainability Plan for M-NCPPC, which will include a 6-month internal stakeholder engagement process. The plan will evaluate the way the agency conducts business through a climate lens, incorporating goals and actions set forth by the CAP. The internal engagement process is intended to identify the intersection of climate change within different divisions of the agency and create internal buy-in by building solutions from the ground up. The Sustainability Plan will be completed in January of 2023.</p> <p>HHS: Build awareness within HHS of the County’s climate change efforts and how HHS work dovetails with climate change. Members of the climate team will present to HHS leadership, managers, and advisory boards and committees on the linkages between public health and climate change.</p>	<p>DEP: - Some Ambassadors, as well as other staff interested in championing climate change initiatives, took a 3-month Flow Leadership course (24 hours of learning) which provided them with a framework, set of strategies and tactics to facilitate the flow of ideas to implementation.</p> <p>MC: - Montgomery College's MC Green Team, meets monthly to discuss climate change activities at the College. Student, Faculty and Staff representatives work to provide College-wide climate change outreach.</p> <p>M-NCPPC-Planning: - Assisted M-NCPPC in updating Practice 6-40, Sustainability Standards, a Commission administrative practice that communicates agency-wide policy on sustainability practices for doing operations and business. The plan incorporates three pillars of sustainability Environmental Responsibility, Social Equity, and Economic Vitality as guiding principles for the development of Sustainability Plans. The revised Practice serves as a guiding framework to develop the Sustainability Plan which will outline five-year goals, targets, and programs. The Practice also requires biennial updates to the Commission on efforts to achieve goals, targets and programs.</p>	<p>DEP: - Develop and pilot a Climate Ready Office tool to help ALL departments and agencies pursue ambitious climate action and qualitatively measure their progress.</p>

		<ul style="list-style-type: none"> - Worked with M-NCPPC’s bi-county Sustainability Team to create a sustainability plan for FY23 27 that serves as a strategic plan to implement practices that advance sustainability of the Commission and the communities we serve. The plan will be updated every five years. - Implemented a plastic film recycling pilot for M-NCPPC departments at the Wheaton Headquarters. This resulted in procuring a local contractor to provide collection bins and permanent service. - Worked with the Parks department to standardize signage for recycling and waste management at the Wheaton Headquarters to help staff make informed recycling decisions in their daily role at the front of the recycling stream. - Support and Participation in Montgomery County GreenFest 2023 including a table and leading tours of the sustainability features of the Wheaton Headquarters 	
<p>G-2: Establish a Climate Change Academy to integrate Climate Change Training into the Professional Development of MCG staff</p>	<p>DEP:</p> <ul style="list-style-type: none"> - Ambassadors will come together for monthly learning sessions, alternating between informal “Lunch and Learns” and collective consulting sessions where Ambassadors help others solve challenges (similar to the Troika Consulting model). Consideration is being given to enhanced training on "Flow Leadership" to help Ambassadors catalyze change, and creating Ambassador learning groups based on specific focus areas is also being considered. 	<p>DEP:</p> <ul style="list-style-type: none"> - Some Ambassadors, as well as other staff interested in championing climate change initiatives, took a 3-month Flow Leadership course (24 hours of learning) which provided them with a framework, set of strategies and tactics to facilitate the flow of ideas to implementation. <p>MC:</p> <ul style="list-style-type: none"> - Montgomery College (MC) through its Workforce Development and Continuing Education (WDCE) and Academic Programs provides climate change educational opportunities. The Gudelsky Institute for Technical Education is building a new HVAC 	<p>DEP:</p> <ul style="list-style-type: none"> - Develop and pilot a Climate Ready Office tool to help ALL departments and agencies pursue ambitious climate action and qualitatively measure their progress.

		<p>control laboratory and developed a nationally recognized certification program to train HVAC controls technicians. The College also partnered with the University of Maryland College Park(UMCP) on a proposal to DOE's Building Training and Assessment Centers (BTAC) program. UMCP will provide training to engineers, while MC will train technicians in the new controls lab.</p> <p>M-NCPPC-Planning: - While the County continues to develop a Climate Change Academy, the Planning Department has continued to inform and educate staff on various topics through articles and engagement activities. Article topics have included recycling guidance at the Wheaton Headquarters, sustainable cooking tips, hosting a zero (or minimal) waste event, information about vendors who provide recyclable or compostable food service ware. Staff also included outreach and facilitated participation for events and activities that included Bike to Work Day, Car Free Day, Earth Day, America Recycles Day, An electronics recycling event and a sustainable kitchen demonstration. Staff also created a SharePoint site called the Planner's Toolbox to engage and equip planners with knowledge and skills through webinars, events, news and networking, much of which is sustainability oriented.</p>	
<p>G-4: Identify and create new positions that are needed for the County government to</p>	<p>OMB: - Continue effort to identify and create new positions needed for the County's climate goals.</p> <p>OHR:</p>		

<p>prepare for and respond to climate hazards, implement climate adaptation measures, and reduce greenhouse gas emissions</p>	<p>- Refocus efforts to research and define positions, roles, and responsibilities and develop applicable job classifications to respond to DEP needs.</p>		
<p>G-5: Establish a cross departmental Climate Innovation Lab to develop, fund and implement climate and resiliency initiatives</p>	<p>DEP: - G-1, G-2, G-5, and G-6 have been consolidated (see G-2).</p>		
<p>G-6: Designate Climate Ambassadors within each County department</p>	<p>DEP: - G-1, G-2, G-5, and G-6 have been consolidated (see G-2).</p>	<p>HHS: - The Office of Community Affairs (OCA) inaugurated a Climate Action Team (CAT) to raise awareness throughout the department about the intersection between climate, health, equity and populations served by our department. The OCA CAT developed and delivered 2 Lunch and Learn training sessions during FY23 On 2/24/2023 OCA Climate Action Team hosted a virtual Lunch & Learn workshop for County staff, on the Climate’s Impact on Chronic Disease, as part of the Equity Lunch & Learn Series, to raise awareness and build internal capacity. Dr. Ikenna Myers was the featured speaker and the meeting was attended by 37 MCG staff. The Climate Action Team includes staff from all OCA units, including the African American Health Program, Asian American</p>	

		<p>Health Initiative, Latino Health Initiative, Community Action Agency and Equity Team. Office of Community Affairs (OCA) Climate Action Team – Lunch & Learn, June 2, 2023</p> <p>The OCA Climate Action Team hosted a virtual Lunch and Learn workshop for County staff entitled “Climate Change and Public Health: Shifting Needs, Threats, and an Adaptive Workforce.” Helga Luest was the featured speaker and the meeting was attended by 35 MCG staff.</p>	
<p>G-7: Evaluate and update county planning, policy, and operations activities to account for the risks of climate change impacts and prioritize the needs of vulnerable residents</p>	<p>M-NCPPC - Planning:</p> <ul style="list-style-type: none"> - Thrive Montgomery 2050 is currently undergoing County Council review. Final approval is anticipated by fall 2022. Meetings to coordinate Thrive Montgomery 2050 and CAP implementation will begin after the final plan is approved. - Conduct climate assessments for Zoning Text Amendments and for master plans– Planning Board proposed that the Planning Department should do this instead of OLO under Council Bill 3-22; the T&E Committee agreed to make this change. T&E Committee has held two sessions on this bill, and the bill hasn’t gone to the full Council yet. Montgomery Planning has hired a consultant to help develop the methodology and has kicked off the project. Bill 3-22 is being amended to require the Planning Board to begin producing climate assessments for ZTAs and Master Plans as of March 1, 2023. 	<p>MC:</p> <ul style="list-style-type: none"> - Montgomery College staff continues to participate and coordinate with other County agencies on planning, policy, codes and operations related to climate change. <p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - Planning staff have continued to work with the consultant to develop a method for doing Climate Assessments as required by Bill 3-22, including estimating GHG emissions associated with Master Plans and ZTAs, estimating carbon sequestration, and making recommendations for community resilience. This work has included outreach to various stakeholders, including citizens, MCDEP, and the Office of Legislative Oversight. - Planning staff and their consultant presented the new process and templates for creating Climate Assessments for Master Plans and Zoning Text Amendments (ZTAs). These were presented to the Planning Board in December, 2022 for their approval. Staff received training on the use of the new tools with the expectation that all Master 	

	<p>OEMHS:</p> <ul style="list-style-type: none"> - Kick off the hazard mitigation planning process in FY23; anticipate completing the plan in Fall 2023. The hazard mitigation plan will make stronger connections to climate change. Planning a functional exercise in the Fall of 2023. <p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - The 5-year 2022 Parks, Recreation, and Open Space (PROS) Plan is set to be sent to Maryland Department of Planning on July 1st, 2022. The 2022 PROS Plan will serve as the planning policy for parks and recreation in Montgomery County. The plan addresses climate risks by calling for the creation resiliency plan to improve the ability of park and recreation facilities and natural resources to withstand the effects of climate change. <p>HHS:</p> <ul style="list-style-type: none"> - The Behavioral Health and Crisis Services Division of HHS will draft an addendum to its strategic plan to incorporate climate change considerations more directly into the work of the division. - 	<p>Plans and ZTAs transmitted to the County Council will include a Climate Assessment. The climate assessment process includes guidance for making recommendations for community resilience.</p> <ul style="list-style-type: none"> - Planning staff started creating climate assessments for ZTAs and Master Plans. One Climate Assessment has been completed for a ZTA. The Takoma Park Master Plan and the Fairland-Briggs Chaney Master Plan teams are currently applying the Quantitative Tool for estimating GHG emissions impacts. The teams are working on using the checklists and templates to report out the results of the quantitative analysis and recommendations for Adaptive Capacity and Community Resilience. Staff is working with the consultant who developed the model to resolve questions about the operation of the model and to understand the outputs. The Great Seneca Plan is in an earlier stage of development, but staff are already initiating work on the Climate Assessment for that master plan. <p>OEMHS:</p> <ul style="list-style-type: none"> - A draft of the 2024 Hazard Mitigation Plan is available. A public meeting was held on November 1, 2023 to introduce the plan and mitigation actions. A recording is available on OEMHS's webpage. https://www.montgomerycountymd.gov/oemhs/plan/hazardmitigation2024.html. The public comment period closed on November 8. OEMHS will review and incorporate feedback into the Draft plan before submission for Maryland Department of Emergency Management (MDEM) and Federal 	
--	---	--	--

		<p>Emergency Management Agency (FEMA) review and approval.</p> <ul style="list-style-type: none"> - OEMHS hosted an Integrated Emergency Management Course (IEMC) in partnership with FEMA in June 2023. At the conclusion of this course, OEMHS conducted a functional exercise with a weather-based scenario. 	
<p>G-8: Evaluate and update county planning, policy, and operations activities to reduce greenhouse gases</p>	<p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Parks' 5-year Sustainability Plan will include detailed metrics and goals around achieving carbon-free operations by 2035 and will align with the CAP. 	<p>MC:</p> <ul style="list-style-type: none"> - Montgomery College Procurement Office participates with other agency partners in developing and updating procurement practices to reduce green house gases. <p>OFSR:</p> <ul style="list-style-type: none"> - Engaged in discussions with DEP, GFPP, DC Food Policy Council, MC Corrections, and Cook County around GFPP best practices and implementation options. 	<p>OFSR:</p> <ul style="list-style-type: none"> - Explore the Good Food Purchasing Program as a standard for procurement in County institutions. <p>In partnership with DHHS, oversee implementation of the Maryland Market Money Program at Montgomery County sites; this program matches dollars spent at County farmers markets by SNAP participants to increase access to nutritious, locally produced food, while facilitating educational opportunities for consumers to connect with food producers and increasing the economic sustainability of our farms.</p> <p>In partnership with Office of Agriculture, oversee implementation of the Farm to Foodbank Program; this program makes fair market priced purchases from the farms, increasing capacity of local growers and the self-reliance of our County to produce food on our land, while reducing the current and future carbon footprint of the food consumed in our County.</p>

<p>G-9: Incorporate climate considerations into the County’s budgeting processes</p>	<p>OMB: - Further, develop the role of climate in the budget process by adding to and/or refining the information submitted by departments as part of the justification for their capital and operating budget requests.</p> <p>DEP: - OMB will continue to refine its set of climate questions and analytical framework. Early in FY23, DEP and the Department of Finance will be exploring modeling approaches to reduce emissions and enhance resilience.</p>	<p>DEP: - DEP entered into a contract with the University of Washington (with subcontractor Cal Poly, San Luis Obispo) on the “Climate Smart CIP” modeling tool. The tool has the following modules: a) DECARBONIZATION which generates forecasts of capital project lifecycle costs, energy efficiency, greenhouse gas emissions, and carbon sequestration; b) RESILIENCE which generates monetized forecasts of loss and damage to each project from exposure to extreme climate events, such as flooding, urban heat island effect; and c) SOCIAL EQUITY which allows decision-makers to modify project design to reduce or eliminate the disparate impact of climate change on vulnerable populations.</p> <p>OMB: - This is implemented for both the capital and operating budgets. OMB continues to work with other departments to improve, however.</p>	<p>DEP: - DGS and OMB will be trained in the use of the Climate Smart CIP tool. The goal over the next year and a half is to integrate, where practical, inputs and outputs of the Climate Smart CIP model with the County’s CIP model.</p> <p>OMB: - OMB will continue to include climate considerations in the County’s budgeting process, and is helping to implement a new Climate Smart tool for the capital budget.</p>
<p>G-10: Develop financing strategies for implementing climate actions and incorporate climate considerations into County finance practices</p>	<p>DOF: - Develop a monitoring program for the fuel-energy tax appropriation to the Green Bank that will begin in FY23. The monitoring program is intended to confirm that appropriated funds are used in accordance with the authorizing legislation. - DOF and DEP are responsible for the CPACE program, which the Green Bank administers. New loans are anticipated to be made in FY23 for energy savings projects in accordance with the revisions made in Bill 46-21. DOF will ensure that CPACE loans are accurately</p>	<p>MCGB: - MCGB conducts regular stakeholder and community outreach to educate the market and build demand for the clean energy marketplace using financing strategies. The Green Bank works with different private sector financial partners to catalyze investment in each of its transactions.</p>	<p>MCGB: - MCGB conducts regular stakeholder and community outreach to educate the market and build demand for the clean energy marketplace using financing strategies. The Green Bank works with different private sector financial partners to catalyze investment in each of its transactions.</p>

	<p>reflected on tax bills and monitor CPACE assessment collections.</p> <p>MCGB: Continue its engagement with the market to assure understanding of the needs and gaps in funding to make clean energy projects work. - Explore structures and products that could be developed to meet new and emerging needs and revise current products as the market needs dictate. - Expand the amount of private capital that will be brought to the County and make the financing most feasible for the end-user property owners.</p>		
<p>G-11: Develop climate, energy, health and racial equity metrics and a data driven assessment and reporting process</p>	<p>HHS: - Explore collaboration opportunities with Healthy Montgomery on health metrics and indicators.</p> <p>DEP: Update the climate webpage to include climate data and metrics information.</p>	<p>OMB: - Created dashboard with high level metrics on CAP progress to display on new climate website - Worked with CEAQAC advisory group to begin process to track detailed, sector-specific metrics - Began identifying data gaps to identify future metrics to track</p>	
<p>G-13: Update the County's teleworking and transit benefit policies to</p>	<p>M-NCPPC - Planning: - The teleworking policy and commuter stipend are ongoing.</p>		

<p>encourage MCG staff to reduce vehicle miles traveled</p>	<p>OHR: - Expand resources on managing in a hybrid environment, calculate the impact of Telework Program on GHG emissions, and provide individual consults and workshops to expand access to telework where appropriate.</p> <p>DGS: - Completing plans for the consolidation of County government facilities to reduce the footprint, associated costs, and energy requirements.</p>		
<p>G-15: Consolidate County climate data</p>	<p>DPS: - Moving forward with a new database system that will capture more information in support of the CAP, including building profile data. There is an opportunity to capture data points related to solar installations and EV charging systems (particularly for commercial buildings; residential EV charging data is already being captured).</p> <p>DEP: - Update the climate webpage to include climate data and metrics information.</p>	<p>DPS: - DPS is moving forward with a database system update which will capture more information in support of the CAP; including building profile data. There is an opportunity to capture data points related to PV, EV, and ESS (particularly for commercial buildings; residential EV charging data is already being captured).</p> <p>OFSR: - Hired Performance Management and Data Analyst to conduct landscape assessment of existing food systems data, including climate-related data.</p> <p>OEMHS: - The first advanced weather station in the Maryland State Mesonet Program has installed in Howard County in Q3, with assistance from OEMHS</p>	<p>OFSR: - Conduct a landscape assessment of existing food system data sets</p>

		<p>staff. We have selected the first of the Montgomery County sites, with installation anticipated in spring of 2024, in partnership with MDEM and UMD. This will provide realtime microclimate, local level data to assistance in preparation for extreme weather events of a localized nature and will help provide a local-level, Montgomery County specific weather data moving forward.</p> <p>OMB:</p> <ul style="list-style-type: none"> - Created spreadsheet to track and categorize existing climate data sources for Montgomery County, including both data owned by the county and data tracked by outside entities - Spreadsheet information will be shared on the new climate website - Not moving forward with a climate Data Retreat at this time 	
<p>G-16: Conduct climate vulnerability detailed assessments</p>	<p>M-NCPPC - Planning:</p> <ul style="list-style-type: none"> - Flood management study – Planning staff is participating in the team, helping County gather data related to stream valleys, floodplains, GIS, and elevations to help create a more realistic conditions map of the County for stormwater management plan. Will look at every aspect of stormwater management. <p>DEP:</p> <ul style="list-style-type: none"> - The initiative began in FY22 to develop a comprehensive Flood Management Plan for the County will continue. 	<p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - The Planning Department participated in planning for a Heat Mapping Study led by MCDEP and the County’s Office of Emergency Management and Homeland Security, as well as a graduate student from the University of Maryland. The project, which is supported by a grant from NOAA, maps heat islands in a broad swath of the County. The data collection was done in August 2022. Results are anticipated in the second quarter. - The Planning Department continues to participate in the DEP-led effort to develop a Comprehensive Flood Management Plan for the County. Phase 1 of the project is underway and deals with summarizing the existing framework related to 	

	<ul style="list-style-type: none"> - DEP continues to partner with DOT and DGS on the DoD NSA Bethesda Resiliency project - USACE Planning Assistance to States studies-- DEP will be proposing to USACE several areas for potential studies. - DEP will work in partnership with OEMHS, MCFRS, DOT, and others to implement real-time monitoring of flooding events through the newly installed (FY22) Flood Sensors deployed at 35 locations throughout the County. DEP is working with other County agencies and the Department of Homeland Security to assess the utility and long-term operations of this new system of Flood Sensors. - DEP Dam Safety Response Program will continue to implement Emergency Action Plans for the 8 dams and 2 levees that DEP is responsible for, including monitoring and maintaining preparedness to respond to storm events that may trigger staff deployment based on predicted rainfall amounts." 	<p>flooding impacts, regulations and policies, and responsibilities.</p> <p>OEMHS:</p> <ul style="list-style-type: none"> - The Thriving Earth Exchange project to map urban heat island effect, tree canopy, impervious surface and social vulnerability for resource prioritization is ongoing, with completion of the tool anticipated in spring of 2024. - Applied for Hazard Mitigation Assistance Grant funding for OEMHS and DEP projects. OEMHS project is scoping methods for public engagement in hazard mitigation and vulnerability data. The DEP project will study vulnerability of watersheds and provide mitigation actions. 	
--	--	---	--

Public Engagement, Partnerships, and Education Actions	FY23 Plans	FY23 Accomplishments	FY24 Plans
<p>P-1: Undertake vigorous public outreach campaign aimed at empowering the public with information on how to reduce emissions and adapt to the impacts from climate change</p>	<p>DEP:</p> <ul style="list-style-type: none"> - Climate Change Communication Coalition will launch the umbrella campaign for outreach around five areas of GHG reduction: using less energy at home, planting trees, reducing food waste, purchasing flood insurance, and transportation choices. - See P-3. <p>OEMHS:</p> <ul style="list-style-type: none"> - Participating in an effort to expand outreach to vulnerable communities in the US 29 corridor and how to expand Alert Montgomery subscriptions in the region of the County. <p>HHS:</p> <ul style="list-style-type: none"> - HHS will support the Alert Montgomery communications campaign to ramp up the number of people living along the US 29 corridor who get signed up for Alert Montgomery emergency notifications. HHS will support the development of communications tools that convey culturally appropriate messages to audiences in multiple languages. 	<p>DEP:</p> <ul style="list-style-type: none"> - During FY23, Montgomery Energy Connection completed 176 in person and virtual events resulting in 12,367 interactions with residents, 306 Quick Home Energy Checkup up referrals, 3,286 incandescent bulbs swapped for energy efficient LEDs, and 2,219 compact fluorescent bulbs properly recycled. (CAP Action P-1) - Project Porchlight, a new initiative, launched where Energy Ambassadors go door-to-door offering to swap out incandescent/CFL light bulbs with energy efficient bulbs LEDs for free. Through this program, new bulbs to residents in over six neighborhoods which accounted for over 3500 homes being visited and provided with information on programs to lower their utility costs. (CAP Action P-1) - Working with Delegate Lorig Charkoudian, we participated in Power in the Park in the Long Branch community where over 250 residents received energy information from various community groups. (CAP Action P-1) - DEP continued to co-lead the Maryland Coalition of Counties and Cities for Climate Action (MC4A), a statewide climate coalition of local governments that meets regularly to discuss state and local policy and programmatic issues. (CAP Action P-1) - DEP partnered with Community CHEER, Montgomery Parks, and the Long Branch Community Center to host a MLK community cleanup at Long Branch Community Center. Over 40 community 	<p>DEP:</p> <ul style="list-style-type: none"> - In 2024, we plan to continue to work with residents throughout the County to get them information about energy saving measures. We have ordered 500 Home Comfort Kits each for cold and warm weather and will be distributing them through various outreach campaigns. Electrify MC launched in July 2023 to help residents transition from fossil fuels (oil, gas, and propane) in their homes. Electrify MC will provide residents with a one-stop option to help them electrify their homes. We hope to reach over 250 homes through this program and complete 25 projects by the end of 2024. As for the Climate Communication plan, we have completed research and outreach around Climate Smart and may use it for the outreach campaign in 2024.

	<p><u>Behavioral Health and Crisis Service (BHCS)</u></p> <p>- Development of BHCS's FY23 strategic work plan will incorporate climate as a primary pillar and will include an analysis of staff feedback provided during the June 1, 2022 staff meeting and will consider climate-specific actions such as:</p> <ul style="list-style-type: none"> a) Having more cooling/warming stations for the homeless population b) Increase teleworking to decrease traffic and pollution o Expanding resources to decrease heating and cooling costs c) Development of an interview and storytelling project that shares clinical staff experiences working with clients on the impacts of climate change on behavioral health 	<p>members learned about recycling and waste reduction. (CAP Action P-1)</p> <ul style="list-style-type: none"> - DEP and the HHS' Latino Health Initiatives hosted the 1st ever Climate Stories– Our Grain of Sand/Nuestro Granito de Arena film festival at the AFI Silver Theatre (AFI Silver Theatre and Cultural Center) as part of the Climate Stories Ambassadors initiative. (CAP Action P-1) - Project Porchlight, a new initiative, launched where Energy Ambassadors go door-to-door offering to swap out incandescent/CFL light bulbs with energy efficient bulbs LEDs for free. Through this program, new bulbs to residents in Stoneybrook Homeowners Association and Chadsberry Homeowners Association. (CAP Action P-1) <p>HHS:</p> <ul style="list-style-type: none"> - Two HHS staff are contributing members of the C4 workgroup, and the development of communications tools <p>OEMHS:</p> <ul style="list-style-type: none"> - OEMHS continues to work as part of the County's Climate Change Communication's Coalition (C4) to collaborate with County partners on outreach efforts to communicate how best to engage the public in implementing changes to reduce emissions and adapt to climate change. In Q3 the Climate Adaptation Program Manager wrote articles for the County Executive's newsletter and was featured in at a weekly media briefing to discuss adaptation efforts, extreme heat alerts, flooding, and resiliency hub development. <p>PIO:</p>	
--	---	---	--

		<ul style="list-style-type: none"> - Hired contractor to conduct County-wide Climate communications 	
<p>P-2: Conduct an outreach campaign that uses evidence-based communications strategies</p>	<p>OEMHS:</p> <ul style="list-style-type: none"> - Recruit a Climate Adaptation program manager in FY23 to support outreach related to flood, Alert Montgomery. <p>DEP:</p> <ul style="list-style-type: none"> - Utilizing the results from our campaign in Spring 2022, we will create a campaign that uses evidence based communication strategies along with feedback from the public. - See P-1 and P-3. 	<p>DEP:</p> <ul style="list-style-type: none"> - We created a Climate Action Plan with communication staff from various agencies called Climate Smart. We attend many events in the community using this messaging. <p>OEMHS:</p> <ul style="list-style-type: none"> - The OEMHS Climate Adaptation Program Manager was onboarded in April 2023. They convene twice monthly with the C4 Community Engagement Workgroup to coordinate outreach efforts, with a particular emphasis on vulnerable communities, including non-native English speakers. To that end, outreach efforts were conducted countywide by OEMHS staff for National Night Out in early August, including Spanish-language outreach in White Oak. - For National Preparedness Month in September, an emphasis was placed on older adults, who are at particularly high risk from the health impacts of climate change. In concert with the OEMHS outreach coordinator and other staff, events were held weekly at senior centers and recreation centers, with distribution of materials in multiple languages. Two events emphasized outreach for the Spanish speaking community and one was held in concert with a Vietnamese Seniors gathering. Outreach was also conducted in concert with DEP staff in Spanish at an evening concert event in late September. Outreach is planned in Q4 for another large gathering of Spanish- 	

		<p>speaking families regarding emergency preparedness and climate change for over 200 people in Wheaton.</p> <p>PIO:</p> <ul style="list-style-type: none"> - Climate Communications Contractor is developing series of climate related infographics, web content 	
<p>P-3: Form a Climate Change Communication Coalition</p>	<p>DEP:</p> <ul style="list-style-type: none"> - The Climate Change Communication Coalition (C4) will be meeting bi-monthly to discuss the creation and progress of the outreach plan. <p>M-NCPPC – Parks:</p> <p>Parks' Public Affairs & Community Partnerships Division remains an active member of the Climate Change</p>	<p>DEP:</p> <ul style="list-style-type: none"> - The Climate Change Communication Coalition (C4) has come up with a comprehensive communication plan called "Climate Smart" that highlights County programs and also three actions that residents can take in five different topic areas: https://www.montgomerycountymd.gov/climate/get-involved.html <p>PIO:</p> <ul style="list-style-type: none"> - Created a County-wide Climate Change Communications Committee (C4) with communications, outreach/engagement staff from throughout the County to focus on climate communications and outreach strategies and messaging. This group meets bi-monthly. This is a space for people to share what is taking place in their own department, ensures connectivity between departments and keeps whole of government informed on climate issues. 	<p>M-NCPPC-Planning:</p> <ul style="list-style-type: none"> - The Department's Special Projects and Policy Manager was appointed to the County Climate Change Communication Coalition (C4). The group has been meeting periodically to discuss topics related to creating a coordinated communication and outreach strategy and action plan as envisioned in the climate action plan. Some of this work was put on hold while the County was in the process of hiring a new Climate Change Officer (CCO) and a new Director for the Department of Environmental Protection (DEP was leading this role until a new CCO was appointed), but has since resumed.
<p>P-4: Enhance County websites to focus more sharply on climate change</p>	<p>DEP:</p> <ul style="list-style-type: none"> - The updates to the climate and flood websites will be completed in early FY23. 	<p>PIO:</p> <ul style="list-style-type: none"> - Created a new Climate Portal as an information hub for County climate planning, updates, opportunities for community members to get involved, climate communications including all climate related communications, press releases and news coverage. 	

<p>P-5: Establish a Community Justice Academy in which Graduating Community Ambassadors Representing their Neighbors Conceive and Co-create Integrated Health, Equity and</p>	<p>DEP:</p> <ul style="list-style-type: none"> - Ground the Core and Collaborative Teams in transformative frameworks such as Community-Driven Planning, Participatory Action Research, and Collaborative Governance; initiate broader community outreach to lay foundation for community and government collaborators; develop high-level, loosely held concept of Community Justice Academy and build mechanisms for community feedback; build community relationships centered around listening, focusing on most impacted and underrepresented communities; conduct power analysis using the Spectrum of Community Engagement to Ownership; create community asset map to identify possible existing similar efforts and potential partners; develop Racial Equity Framework to guide the 'who' and the 'how' of the work; develop curriculum, ambassador structure, Community Justice Fund management, and governance. <p>HHS:</p> <ul style="list-style-type: none"> - HHS will support the development and launch of the Community Justice Academy. 	<p>DEP:</p> <ul style="list-style-type: none"> - The Community Justice Academy (CJA) development is still underway with the County partnering with frontline organizations and community members to develop a strategy and programming for equitable resilience. The partners meet regularly and have been making progress on power building & belonging and moving towards community ownership of climate resilience initiatives. <p>HHS:</p> <ul style="list-style-type: none"> - HHS staff is a contributing member of the CJA 	
---	--	---	--

<p>P-6: Use the Climate Energy and Air Quality Advisory Committee as a resource to advise the County</p>	<p>DEP: - CEAQAC will continue to meet monthly to advise the County on climate, energy, and air quality issues.</p>	<p>DEP: - CEAQAC continues to meet monthly advise the County on climate, energy, and air quality issues.</p>	<p>DEP: - CEAQAC looks forward to working with the new Climate Change Officer on climate metrics, building on their efforts from the previous year.</p>
<p>P-7: Facilitate ongoing input from community members on the CAP's implementation</p>	<p>DEP: - The Climate Team will continue participating in community meetings and events to discuss the Climate Action Plan and climate initiatives.</p>	<p>PIO: - Received public feedback on experiences related to climate and used that information to develop the Climate Smart campaign.</p>	<p>M-NCPPC-Planning: - As part of the outreach during the development of a recommended methodology for implementing the requirements of Bill 3-22, staff and the consultant have met twice with a citizen stakeholder group to share information, have discussions, and hear suggestions from the public regarding the proposed approach. Additional information sharing and outreach has occurred through email interactions.</p>
<p>P-8: Engage County artists through public art installations to raise awareness, discussion, and action on climate change</p>	<p>DEP: See P-7, P-9.</p>		<p>DEP: - DEP is working in partnership with HHS and the Arts and Humanities Council of Montgomery County on a Climate Resilience through Art project to strengthen the ties of community in the face of increasing climate hazards by building community resilience particularly for County residents most vulnerable to the impacts from climate change. A local artist will train and engage HHS clients using the Crisis Center and other services at HHS' Piccard Drive facility to produce art projects that will be installed at the facility.</p>

<p>P-9: Support the efforts of community organizations, businesses, and associations that promote and operationalize equitable climate action</p>	<p>DEP: - Capacity permitting, DEP to work with Departmental Climate Ambassadors to work with the Arts and Humanities Council of Montgomery County to pursue public art that raises awareness of climate change.</p>		<p>MC: - MC's WDCE provides County government sponsored Green Business programs by providing training for those businesses.</p>
<p>P-10: Establish a statewide coalition of local governments and youth groups focused on advancing ambitious state climate policy by collectively advocating their positions before the state legislature, Public Services Commission, and the utility companies</p>	<p>DEP: - DEP will continue to participate in, co-develop, and leverage the local government coalition to advance progress at the State level. - Climate Interns and DEP's Climate Engagement Program Manager are having exploratory conversations with youth-led organizations on the need for a coalition, with a report finished by Q1 of FY23.</p>		
<p>P-11: Establish partnerships with federal agencies located within the County's boundaries on GHG mitigation and climate resiliency efforts</p>	<p>DEP: See G-16.</p>		
<p>P-12: Advocate for the continued integration of climate change education into the existing school curriculum</p>	<p>DEP: - Work with MCPS staff and MAEOE (help to monitor the Green Schools process) to ensure that climate change and energy curricula are embedded into the Green Schools process.</p>	<p>PIO: - Working with MCPS Sustainability team on projects and programs including tree and plantings with students. This work also includes the adoption of "measures to address resiliency and awareness, such as increasing the tree canopy and outdoor</p>	

	<p>MCPS: Elevating programs through the community superintendents and talking with non-profits about successful green schools so that more schools will want to participate in green schools' efforts. - Aiming to increase the number of green schools. - Create talking points for principals to use at parent meetings, with some background information about climate change education and what's happening, helping principals feel more comfortable knowing where it is in the curriculum and be prepared to answer tough questions.</p>	<p>educational spaces on MCPS properties and mitigating stormwater runoff.</p>	
<p>P-13: Develop a standardized climate change curriculum across public schools and recommend the same for private schools and home schools</p>	<p>DEP: - Work with MCPS staff to develop standardized courses for K-12 students.</p> <p>MCPS: - Develop climate change learning standards because they are needed before developing a curriculum [between the Office of Curriculum and Instruction and the Science Office.] Develop a K12 environmental literacy plan that addresses environmental and climate standards. The MCPS environmental literacy plan can be shared with private schools.</p>	<p>MCPS: - An Environmental Justice course that includes research, investigation, and action focused on the disparate effects of climate change on people of color and those living in lower -income areas was successfully piloted at Walt Whitman HS</p>	<p>MCPS: - An ad hoc committee will be formed to develop environmental literacy plans and climate change curriculum for use by MCPS and private schools. b. During the 23-24 school year, a climate change elective course will be develop for piloting in the 24-25 school year.</p>

<p>P-14: Provide professional development for educators on climate change topics</p>	<p>DEP: - Through the Montgomery Energy Connection program, provide presentations and workshops for teachers and PTA members on how to reduce energy usage and make changes that will reduce the impact of GHG emissions.</p> <p>MCPS: n-going training to provide professional development for educators on climate change. MCPS will build on the environmental literacy plan to include plans for climate change lessons. Whenever a new curriculum is introduced, there is funding for professional development.</p>	<p>PIO: - DEP introduced and made available the FLOW Leadership Course to all departments and outside agencies (including MCPS and Montgomery College) and County Climate Ambassadors. More than 40 people initially took part.</p>	<p>MC: - WDCE, the Department of Applied Technologies and the Gudelsky Institute for Technical Education provide climate action training, while other academic programs integrate climate action into their more traditional syllabi.</p> <p>MCPS: - Determine if an online training course can be made available to staff through the MCPS Professional Development Portal.</p>
<p>P-15: Use school gardens or other outdoor learning facilities as a jumping off point to address a multitude of climate related topics</p>	<p>M-NCPPC – Parks: - Black Hill SEED (Sustainable Education Every Day) classroom is in the design phase and will begin construction in Fall 2023. The classroom is a sustainable, modular learning space that encourages creative education through the building’s living and technical components. For example, the SEED Classroom is net-zero water and net zero energy and will allow students to track energy production and rainwater collection. This community space will provide an example of how people can learn in comfortable and beautiful spaces that are healthy for both us and</p>	<p>MCPS: - The Live Infrastructure Manager position has been filled. MCPS is working on improving bioretention gardens (existing, under construction, and under design), planting additional trees, maintaining Forest Conservation Easements, and developing new school-based garden programs. Wherever possible, students are actively engaged in the planting activities.</p> <p>PIO: - Hosted Student Environmental Volunteer Day on Wednesday, Nov. 1. Students learned about sustainability and help beautify the community. They also worked to enhance the health of the environment by planting native plants and trees in the stormwater management gardens around the school.</p>	<p>MCPS: - MCPS is partnering with DEP and community nonprofits to establish a novel new pilot program to develop and construct a centralized Resilience, Education, Action, Climate, and Habitat (REACH) Hub. The REACH Hub will innovatively and equitably enhance climate resiliency and expand learning opportunities for students and teachers in an outdoor setting. The goal is to establish a novel community-based educational urban farm at a school, to serve as a pilot hub to support food production, and provide educational resources accessible to</p>

	<p>the environment. The new Black Hill Community Garden will be sited right next to the classroom and will also serve as a learning tool around sustainable/resilient food systems.</p> <p>MCPS:</p> <ul style="list-style-type: none"> - Authorized a new position in FY23, a Live Infrastructure Manager, and work is underway to fill this new position. The position will keep everything green in working conditions and build the capacity of people who can keep everything working—to nurture/encourage people to use what’s already there and expand how it can become a better learning environment. This effort will encompass not just school gardens; it will be inclusive of everything that’s part of the living infrastructure. 		<p>multiple MCPS schools and families in the neighborhood.</p> <ul style="list-style-type: none"> - Continue to improve bioretention and other ESD structures, (existing, under construction, and under design), planting additional trees, maintaining Forest Conservation Easements, and developing new school-based garden programs for students. Wherever possible, students are actively engaged in the planting activities. - Study outdoor classroom practices at other school districts to inform future implementation.
<p>P-16: Develop increased opportunities for students to participate in climate change learning experiences outside of the classroom</p>	<p>M-NCPPC – Parks:</p> <ul style="list-style-type: none"> - Parks Nature Centers will continue providing opportunities for students to participate in outdoor learning experiences that connect back to climate change. - Black Hill SEED (Sustainable Education Every Day) classroom is in the design phase and will begin construction in Fall 2022. The classroom is a sustainable, modular learning space that encourages creative education through 	<p>MCPS:</p> <ul style="list-style-type: none"> - MCPS second annual Youth Climate Summit took place on April 22nd at Tilden Middle School. This is the first in-person Youth Climate Summit. The full-day summit was designed to educate MCPS students about climate change and equip them with the tools to create climate action projects in their communities. This was a student led event. More information: https://ww2.montgomeryschoolsmd.org/YouthClimateSummit <p>PIO:</p>	<p>MCPS:</p> <ul style="list-style-type: none"> - MCPS will plan climate change-related learning and service activities for students as part of their Out of School Time programming. b. MCPS will initiate school-based and/or district-wide chapter(s) of the Youth Climate Institute. c. The inaugural Student Climate Action Council will plan and host educational opportunities for their peers - Continue to engage students through activities such as Youth Climate Summit,

	<p>the building’s living and technical components. For example, the SEED Classroom is net-zero water and net zero energy and will allow students to track energy production and rainwater collection. This community space will provide an example of how people can learn in comfortable and beautiful spaces that are healthy for both us and the environment. The new Black Hill Community Garden will be sited right next to the classroom and will also serve as a learning tool around sustainable/resilient food systems. The community gardens should break ground in the summer of 2022.</p> <p>MCPS:</p> <ul style="list-style-type: none"> - Build on the Youth Climate Summit and Town Hall meetings, working with student government, the curriculum office, and science and social studies departments. - Investigate other student climate programs outside of MCPS and other jurisdictions for potential replication or partnership in the County. 	<ul style="list-style-type: none"> - Offer SSL hours for students who participated in trash clean-ups, GreenFest event, recycling events, plantings, creating pollinator gardens in schools and coordinating with MCPS in their Outdoor Education programs. 	<p>Art Contests and online Sustainability Symposiums where Student Service Learning (SSL) hours can be earned.</p> <p>OFSR:</p> <ul style="list-style-type: none"> - Oversee the 2023 Montgomery County Resident and Community Gardening Grant Program, including development of the grant application, oversight of the review panel, coordination of awards, monitoring/reporting. Funding was awarded to the Charles Koiner Center for Agriculture Education to expand the "REACH Hub" project at A. Mario Loiderman Middle School focused on food production and education. Additionally, the OFSR plans to support the implementation of a small-scale farm at Kemp Mill MS, led by AfriThrive.
<p>P-17: Develop sustainability goals for schools to reach and provide incentives to do so</p>	<p>MCPS:</p> <ul style="list-style-type: none"> - Begin implementation of the Sustainability Policy (ECA). MCPS schools are required to complete a sustainability action plan. The form provides schools with an opportunity to 	<p>MCPS:</p> <ul style="list-style-type: none"> - Green Schools leaders in MCPS and partner agencies (including the Maryland Association for Environmental and Outdoor Education, MAEOE, (formerly the Audubon Natural Society) and the Montgomery County Council of Parent-Teacher 	<p>MCPS:</p> <ul style="list-style-type: none"> - Require each school to submit a local Sustainability Action Plan. Provide central support and stipends for its implementation, and partner with external

	<p>reflect on where they are and where they want to go.</p> <ul style="list-style-type: none"> - Division of Sustainability will share data with schools and give them real-time information so they know how their schools are performing. - Division of Sustainability will continue working with schools to support individual schools' efforts. 	<p>Associations, MCCPTA) continue working together to support increasing the number of certified Green Schools in MCPS.</p> <p>MAEOE announced the successful submissions for recertification and new applications on April 21. Eight new schools will be certified this year bringing the total of MCPS Green School certified schools to 96 or nearly 46 percent.</p> <p>MCPS has a target to achieve 50 percent of our schools to be certified by 2024 and a long-term goal of 100 percent of the school to be certified by 2035. These schools will be recognized at the MAEOE Youth Summit on May 18 at the Sandy Point State Park. (P-17)</p> <p>In FY23, stipends were offered to school-based staff who led their Sustainability Team or the MD Green School Certification, and stipends were also offered to staff who served as mentors in the Green School Process.</p> <p>In FY23, stipends were offered to school-based staff who led their Sustainability Team or the MD Green School Certification, and stipends were also offered to staff who served as mentors in the Green School Process.</p>	<p>volunteers and agencies to expand technical support.</p> <p>In FY24, MCPS will increase the level and types of support to schools as they pursue Green School certification, with a goal to reach 50% by the end of 2024, as stated in the CAP. MCPS is also working to leverage partnerships with the PTAs and the Student Climate Action Council to meet and exceed these goals.</p> <p>In FY24, one additional stipend was added to the three existing Sustainability Stipends, available too staff at every school, as described here: https://www2.montgomeryschoolsmd.org/siteassets/district/departments/facilities/sustainability/stipend-flyer.pdf</p> <p>- The new stipend is for Food Waste Diversion Coordinator. Existing, continuing stipends will be provided for: School Sustainability Team Leader, MDGS Certification/Recertification and Green Schools Mentor.</p>
<p>P-18: Encourage climate change action at home</p>	<p>MCPS:</p> <ul style="list-style-type: none"> - Expand on FY22's efforts in partnering with PTAs. Everything done at school is consistent with what students can do at home. MCPS is working on "building a bench" to ensure long-term continuity. - Investigating a potential partnership with MCPL for books with green themes; MCPL summer reading 	<p>MCPS:</p> <ul style="list-style-type: none"> - MCPS expanded partnerships with PTAs, providing learning at the Parent Academy to expand and reinforce the concept that everything we do at schools is consistent with what students can do at home as well. 	<p>MCPS:</p> <ul style="list-style-type: none"> - MCPS will continue partnering with PTAs, including: MCCPTA has a Greens Schools Subcommittee whose volunteers assist schools in completing requirements and voluntary climate actions; MCPS will be hosting a webinar about our sustainability actions in several public forums to increase

	<p>challenge—including green-themed books and practices.</p> <p>DEP: Through the communication plan and outreach efforts, we will reach 1000 families and encourage them to take climate action in their homes.</p>		<p>knowledge, engagement and partnerships, effectively linking together adults and children in increasing awareness about and actions to mitigate climate change.</p>
<p>P-19: Establish cross departmental partnership to facilitate implementation of climate goals at County schools</p>	<p>MCPS: - Convene the cross-departmental partnership meetings quarterly or as needed. Staff will develop agendas in advance with a specialized time for the educational/curriculum piece vs. the operational discussions to enable more focused discussion.</p>	<p>MCPS: - The Civilian Conservation Corps provided staff to implement some stormwater management bioretention improvements at Gaithersburg High School - The Montgomery County Forestry Board and the County’s Tree Montgomery program worked closely with Rocky Hill Middle School’s environmental club to plant eight shade trees at the school. This planting was part of a larger effort to add 45 new shade trees around the school. Grant funding was provided through the Chesapeake Bay Trust from the State’s 5-Million Tree Initiative. The benefits of shade trees are far reaching and go well beyond the school boundaries. The students were planting for their future.</p> <p>PIO: - MCPS - Oct event - Gaithersburg HS -cross-departmental Student Environment Volunteer Day.</p>	<p>MCPS: - Continue to seek partnerships with volunteer organizations to implement improvements at our school sites, including corrective actions at bioretention facilities and tree-planting.</p>

Economic Development Actions	FY22 Plans	FY22 Accomplishments	FY23 Plans
Sustainable Economic Development	<p>DEP: -Hire Green Workforce Liaison to help align the County's Climate Action Plan with WorkSource Montgomery's Local Area Workforce Plan and the Office of Procurement's equity and inclusion goals; jumpstart the development of an anchor strategy to align major County anchor institutions' food purchasing with the County's climate, resilience and food security and sustainable agriculture efforts; enhance support to Impact Silver Spring to advance its existing work supporting and expanding worker ownership business models.</p>		<p>DEP: - Begin work with the Office of Food Systems Resilience and the Good Food Purchasing Program https://goodfoodpurchasing.org/ to assess and make sustainability and equity recommendations related to the local and sustainably produced food and processes at one of the County's cafeterias. The hope is that the insights and learnings from the analysis can help County anchor institutions advance their sustainable food procurement. This action was recommended in the County's High Road Inclusion Framework for an Equitable Climate Ready Economy https://www.montgomerycountymd.gov/climate/Resources/Files/montgomery-county-high-road-report.pdf</p>

Zero Waste Actions	FY22 Plans	FY22 Accomplishments	FY23 Plans
Zero Waste Actions (Not in Climate Work Plan 2022)	<p>DEP:</p> <ul style="list-style-type: none"> - Zero waste actions related to food scraps composting are described in S-5. - In coordination with the Solid Waste Advisory Committee, DEP will create a tracking mechanism for regularly reporting on progress related to Zero Waste activities. 	<p>MCPS:</p> <ul style="list-style-type: none"> - On April 17, 2023, in celebration of Earth Day events, Maryland State Delegates Soloman, Charkoudian, and Coleman Mcilwain, other State and local partners, and student leaders visited Rock Creek Forest Elementary School to recognize and celebrate their food recovery and composting programs. 	<p>MCPS:</p> <ul style="list-style-type: none"> - Expand Food Recovery Program to 100% of MCPS schools.