

| Climate Action Plan Actions                                | Fiscal Year 2022 - Updates through Quarter 3   |
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| <b>Clean Energy Actions</b>                                |  |
| E-1: Community Choice Energy Program                       | <p><b>DEP:</b></p> <p>a. PSC Community Choice workgroup meetings related to the establishment of regulations for the CCE program continue. The latest discussions have focused on the enrollment of new customers after the initial launch of the CCE program.</p>   |
| E-2: Private Building Solar Photovoltaic Code Requirements | <p><b>DPS:</b></p> <p>a. DPS is working with stakeholders to explore options for the 2021 IECC. The 2021 codes are currently under review at the state level. Once the state publishes the 2021 codes, the County can move to public engagement.</p>   |
| E-3: Promote Private Solar Photovoltaic Systems            | <p><b>DEP:</b></p> <p>a. Following a successful inaugural Capital Area Solar Co-op in 2021, the second round of the Capital Area Solar Co-op is scheduled to launch on April 1, 2022 and run through August 31, 2022.</p> <p>b. DEP is continuing to work with a consultant (ICF) through a contract with MWCOG to support a stakeholder-informed analysis of how to incorporate a renewable energy allowance into the BEPS program to incentivize deployment of renewables in the County.</p> <p><b>MCOG:</b></p> <p>a. The Green Bank launched its low- and moderate-income solar program for homeowners earning under \$97,500 in March 2022 in conjunction with the Solar Co-Op. The program offers three options: a loan at 600 credit score; a pre-purchase of SRECs to reduce by 10% the upfront cost of the system; and a Power Purchase Agreement with a major PPA provider with two (and expecting a third) pricing options.</p> <p>b. The Green Bank closed on a \$370,000 loan in partnership with City First Enterprises to fund a 159-kW solar array on Hampshire Towers, an affordable rental property in Takoma Park.</p> <p>c. The Green Bank is working to close on 3 solar arrays under its PPA program: 2 faith-based entities and one affordable housing owner.</p> <p>d. The Green Bank is working toward closing on its second community solar project in a funding in partnership with Sandy Spring Bank.</p> <p>e. The Green Bank continues to try and solve the solar on condominium need. Five projects are on hold as the condominiums work out how to get the property and mortgage holder approvals to put solar on the roofs of the property and meet the condominium laws for approvals.</p> |

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| <p>E-4: Public Facility Solar Photovoltaic Installations and Groundwork</p>   | <p><b>DEP:</b><br/> a. Discussions continue related to developing an agrivoltaic pilot site. DEP contracted with the National Renewable Energy Laboratory to help develop an EFP for an agrivoltaic pilot and demonstration. The potential site on Revenue Authority property at the Poolesville Golf Course is still under consideration, in addition to other potential approaches. OAG and DGS are also supporting this effort.</p> <p><b>DGS:</b><br/> a. The DGS Oaks landfill construction will begin in spring 2022 and is expected to be complete in fall 2022.<br/> b. The DGS Scotland Recreation Center Resilience Hub has completed design and construction phases and is anticipated to be operational in summer 2022. See section A-8 below<br/> c. The DGS Brookville Smart Energy Depot will complete construction in summer 2022 and will be fully operational in fall 2022.<br/> d. DGS began construction at the Montgomery County Animal Shelter in spring 2022 and is expected to be complete in Summer 2022.</p> <p><b>DPS:</b><br/> a. DPS is still waiting on the approval of County Code Chapter 17 which allows us to utilize SolarAPP+</p> <p><b>MCPS:</b></p> |
| <p>E-5: Advocate for a 100% Renewable Portfolio Standard by 2030<br/> <b>(Not in Climate Work Plan 2022)</b></p>                  | <p><b>DEP:</b><br/> a. DEP onboarded the State Energy and Climate Policy Manager position (approved in the FY22 budget) in late March 2022 who will begin undertaking advocacy on a 100% RPS in Maryland.</p>   |
| <p><b>Building Actions</b></p>  |   |
| <p>B-1: Electrification Requirements for Existing Commercial and Public Buildings<br/> <b>(Not in Climate Work Plan 2022)</b></p> | <p><b>DPS:</b><br/> a. multiple departments are coordinating on a draft plan for electricification ready and electrification of new construction. In the plan, there will be opportunities to explore level 3 alterations as a method of electrifying existing buildings.</p>   |
| <p>B-2: Electrification Requirements for Existing Residential Buildings<br/> <b>(Not in Climate Work Plan 2022)</b></p>           | <p><b>DPS:</b><br/> a. multiple departments are coordinating on a draft plan for electricification ready and electrification of new construction. In the plan, there will be opportunities to explore level 3 alterations as a method of electrifying existing buildings.</p>   |

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| <p>B-3: Energy Performance Standard for Existing Commercial and Multifamily Buildings</p>                | <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. DEP publicly released the BEPS Technical Report--the building typology and technical analyses to inform BEPS regulations--on February 14, 2022.</li> <li>b. The Council continued to review the BEPS legislation sent by the County Executive in April 2021; the T&amp;E Committee held a briefing on the BEPS Technical Report that will inform regulations on March 14, 2022, followed by two more work sessions on March 14 and March 28, 2022. On March 28, 2022, the T&amp;E Committee unanimously voted Bill 16-21 out of committee. The full Council is scheduled to review and vote on Bill 16-21 in April 2022.</li> <li>c. DEP is continuing to engage stakeholders on the status of BEPS legislation and is tracking those interested in joining the BEPS Advisory Board. DEP is developing a focus group platform to collect feedback on a technical assistance/resource hub.</li> </ul> <p><b>DPS:</b></p> <ul style="list-style-type: none"> <li>a. Continued work with DEP to support BEPS.</li> </ul> <p><b>MCGB:</b></p> <ul style="list-style-type: none"> <li>a. The Green Bank closed on a \$3.2 million loan to support a \$5.8 million energy retrofit project at 8101 Connecticut Avenue condominiums. This project used a new structure where the Green Bank's CLEER program stands behind a loan by Sandy Spring Bank and the Green Bank also provided over \$1 million of capital to the loan.</li> <li>b. The Green Bank is supporting a major technical assistance effort for a large campus of properties to understand its current conditions and improvement potential.</li> <li>c. The Green Bank now has attracted 8 capital providers to support the County's C-PACE program. The Green Bank is working on closing the first C-PACE loan on a energy retrofit project with a faith-based organization.</li> </ul> |
| <p>B-4: Electrification Incentives for Existing Buildings<br/><b>(Not in Climate Work Plan 2022)</b></p> | <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. DEP has been involved in Rocky Mountain Institute's 2022 Electrify cohort in partnership with the City of Takoma Park, Habitat for Humanity Metro Maryland, and the Montgomery County Green Bank to design a building electrification program.</li> <li>b. The County Executive's Recommended FY23 budget includes \$1M for electrification incentives and additional staff support for electrification initiatives within DPS.</li> </ul> <p><b>MCGB:</b></p> <ul style="list-style-type: none"> <li>a. The Green Bank is working on a large-scale electrification project for an affordable housing property. The project will transition the property from a central plant that uses natural gas to in-unit electric mini-splits. The project is expected to close in June 2022.</li> </ul>  |
| <p>B-5: All-Electric Building Code for New Construction</p>  | <p><b>DPS:</b></p> <ul style="list-style-type: none"> <li>a. DPS is working with stakeholders to explore options for the 2021 IECC. The 2021 codes are currently under review at the state level. Once the state publishes the 2021 codes, the County will move to public engagement. DPS will utilize the New Buildings Institute decarbonization language during amendment proposal.</li> <li>b. DPS has a voting seat in the IECC Energy modeling and Net Zero Energy subcommittee.</li> </ul>  |

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| B-6: Disincentivize and/or Eliminate Natural Gas in New Construction | <p><b>DPS:</b></p> <p>a. The County is continuing to explore legal and building code strategies to disincentivize fossil fuel use and encourage electrification in newly constructed buildings.</p> <p>b. See B-5 for related DPS efforts.</p>  |
| B-7: Net Zero Energy Building Code for New Construction              | <p><b>DGS:</b></p> <p>a. New DGS construction and major renovation projects that are currently in the design and planning phases have completed net zero studies. The completed net zero studies will inform the design standards and best practices to be utilized in future projects. Cost implications are included in the studies.</p> <p><b>DPS:</b></p> <p>a. DPS is working with stakeholders to explore options for the 2021 IECC. The 2021 codes are currently under review at the state level. Once the state publishes the 2021 codes, the County will move to public engagement. DPS will utilize the New Buildings Institute decarbonization language during amendment proposal. Additionally, the 2018 International Green Construction Code, which was adopted in September 2021, will advance energy goals through enforcement on new construction over 5,000 square feet.</p> <p>b. DPS continues to work with procurement to establish a contract with NPO, New Buildings Institute, to work through code modification scenarios. 2018 IgCC is now being enforced.</p> <p><b>MCPS:</b></p> <p>a. MCPS has applied for a grant from the Maryland Energy Administration Decarbonizing Public Schools Grant Program.</p> |
| <b>Transportation Actions</b>  |   |

T-1: Expand Public Transit

**MCDOT:**

- a. The goal of restoring Ride On service levels to 80% of pre-Covid levels by January 2022 was achieved and plans are in place to reach 90% of pre-Covid service levels by July 2022. Active recruitment through job fairs and media engagement and advertising resulted in a large operator training class enrolled for Q4.
- b. Preliminary design continues to advance for both Veirs Mill Road and MD 355 BRT. Preliminary design for US 29 BRT Phase 2 is awaiting completion of the US 29 Mobility and Reliability Study Part 2, requested by County Council T&E Committee, to be completed and should start sometime next fiscal year. Preliminary engineering for Great Seneca Science Corridor Transit Network is beginning. In addition, MCDOT has initiated Planning for the New Hampshire Avenue and North Bethesda Transitway BRT corridors.
- c. MCDOT received a debriefing from the Federal Transit Administration (FTA) on its prior RAISE grant application. Information obtained was used to inform development of a modified application to FTA for “Low/No” grant program. This program helps transit agencies purchase or lease low- or no- emission vehicles that use advanced technologies to help improve air quality and combat climate change. That grant application includes design and construction of a hydrogen fueling station and 13 hydrogen-fueled buses for Ride On and will be submitted to FTA in Q4. More information is provided in T-5 below.
- d. The County Executive’s proposed FY23-28 CIP includes full funding for design and construction of both the MD355 Central BRT project and the Veirs Mill BRT project. The proposed CIP also includes funding final design for the northern and southern portions of the MD355 BRT. In the next few months, MCDOT is preparing to submit the Veirs Mill Road BRT for consideration as a Small Starts Federal Transit Administration Capital Infrastructure Grant project.
- e. The transportation infrastructure funding workgroup established two subgroups: one group focused on evaluating capital funding needs and identifying suitable financing mechanisms, and the other group focused on best-practices-related policies and organizational structures to support more efficient and effective implementation of capital improvement projects to support transportation.

T-2: Expand Active Transportation and Micromobility Network

**MCDOT:**

- a. MCDOT advanced implementation of bikeway recommendations in the Bicycle Master Plan through capital projects and development approvals.
- b. MCDOT continued construction of Capital Crescent Surface Trail Phase 1 and Woodmont Cycle Track and started construction of the Emory Lane and MD-115 Shared Use Path.
- c. MCDOT started design of Forest Glen Passageway, completed design of the Montgomery Ave Two Way Separated Bike Lane, and completed 35% design of Amherst Avenue. MCDOT continued design of: the Grosvenor Bicycle and Pedestrian Priority Area (BiPPA), Good Hope Road Shared Use Path, Bradley Blvd, Capital Crescent Trail Tunnel, Dale Drive Shared Use Path, Fenton Street Bikeway, Fenton Street Bikeway, and Forest Glen Sidewalk. Franklin Ave Sidewalk, Heritage Triangle Shared Use Path, MacArthur Blvd Segment 3, Marinelli One Way Separated Bike Lanes, MD 355 Clarksburg Bike Path, Seven Locks Bikeway Facility Planning Refresh, Tuckerman Lane Sidewalk/Bikeway, Veirs Mill Road BiPPA, Washington Grove Connector.
- d. MCDOT completed the MD355 Crossing Project, with an underpass providing safe, efficient crossing for pedestrians and cyclists between NIH and Naval Support Activity Bethesda/Walter Reed, and directly connecting with the Metro station. The project includes a shallow pedestrian underpass below MD 355 (Rockville Pike) and new high-speed elevators providing additional access to the Metro station.
- e. MCDOT completed a pilot of the Grove Street Neighborhood Greenway.
- f. MCDOT continued Construction of White Flint Metro Access Improvements Phase 1. MCDOT conducted public hearings for 3 additional sidewalk projects.
- g. MCDOT is working with County representatives, municipalities and private e-scooter/e-bike operators to expand service areas covered by the micromobility pilot. Micromobility services were successfully expanded to the Germantown area in Q2.
- h. MCDOT continues to explore funding options for placement of additional micromobility corrals in pilot areas.
- i. MCDOT continues to sponsor Learn-to-Ride bike and e-scooter training classes, which are being well-attended. Planning is underway for 6 Bike to Work Day Pit Stops at locations around the

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| <p>T-3: Private Vehicle Electrification Incentives and Disincentives</p>     | <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. MCDOT and DEP launched the EV Purchasing Co-op Pilot and asked residents and local businesses to "make the pledge" to purchase an EV for their next vehicle. With support from its contractor, Electrification Coalition, the County began recruiting and training local auto dealerships to join an "Electrified Dealers" network. The County will connect residents who take the pledge and opt-in with dealerships.</li> <li>b. DEP onboarded the Zero-Emissions Vehicle Senior Planning Specialist position (approved in the FY22 budget) in late March 2022.</li> <li>c. MCDOT and DEP coordinated with local partners, including EV Owners Association of DC (EVADC), on the Go Electric event in March 2022, which featured demonstrations of EV models by owners. The County planned additional electric vehicle showcase events in April 2022.</li> </ul> <p><b>MCDOT:</b></p> <ul style="list-style-type: none"> <li>a. The Electric Vehicle Purchasing Coop (EVPC) pilot was launched in January 2022. Goals of the pilot program include providing a robust resource for information, promoting interest in &amp; knowledge about EVs in the community, educating auto dealers to become knowledgeable resources about EVs through the "Electrified Dealers" program, and getting 1,000 residents and 50 businesses in Montgomery County to sign a pledge to make their next car (or fleet purchase) an EV. The pilot program will run through May 2022, after which a final report will be provided by the contractor, Electrification Coalition, and a determination made regarding next steps.</li> <li>b. DEP completed the hiring process and has on-boarded the Zero Emissions Senior Planning Specialist, Brian Booher, who is taking an active role in these programs.</li> <li>c. MCDOT and DEP coordinated with Poolesville Green for participation in National Drive Electric Week (NDEW), including outreach at the Poolesville Day event. An ad campaign for NDEW event ran on the exteriors of Ride On Electric Buses.</li> <li>d. See related progress in T-7.</li> </ul> |
| <p>T-4: Constrain Cars in Urban Areas, Limit Major New Road Construction</p> | <p><b>MCDOT:</b></p> <ul style="list-style-type: none"> <li>a. MCDOT removed the Mid-County Highway from the 2022 Transportation Long Range Plan, Visualize 2045.</li> <li>b. The Transportation Planning Board sponsored and reviewed the Climate Change Mitigation Study (December 2021) and is developing policies and strategies for a regional consensus to be included in Visualize 2045 adoption. The consensus strategy and goals may include pricing and VMT reduction strategies.</li> </ul>  |

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| <p>T-5: Zero Emissions Public Buses and School Buses</p> | <p><b>MCDOT:</b></p> <p>a. Through the on-going task to develop the Zero Emissions Bus (ZEB) Transition Plan, MCDOT completed a “quick’ transition plan in Q3 to include with the upcoming Low/No grant application at the end of May (Q4). This element of the grant will be for the design and construction of a hydrogen fuel cell station and 13 hydrogen buses for Ride On. In addition, with this task, the team will develop a first draft of the Program of Requirements (POR) for the new bus depot to be completed in Q4. Development of the PEER analysis/model for the 2027 and 2035 ZEB overall transition plans is ongoing. The ZEB Plan is on track to be completed by mid-2023.</p> <p>b. MCDOT received a debriefing from FTA with feedback on its prior RAISE grant application. Information obtained was used to inform the Low/No grant application cited in “a” above, which includes a proposed hydrogen fueling station and 13 hydrogen-fueled buses for Ride On.</p> <p>c. MCDOT supports WMATA’s goal to achieve a zero-emissions bus fleet by 2045.</p> <p><b>MCPS:</b></p> <p>a. As of the end of April 2022, MCPS has received 24 of the 25 buses, with one more expected in the next two weeks.</p> |
| <p>T-6: Electrify County and Public Agencies Fleet</p>   | <p><b>DGS:</b></p> <p>a. DGS’s Phase I fleet transition study focused on eliminating vehicles due to underutilization, downsizing and replacing with a smaller vehicle, and identifying County vehicles that can be replaced with zero-emission vehicles. The Phase I study is expected to be completed in early Winter 2022. See also G-13 below.</p> <p>b. The MCPD Pilot test EV police vehicle has been received. DGS is working with the manufacturer and equipment supplier to solve technical issues related to fitting the vehicle for police service.</p> <p><b>MCPS:</b></p> <p>a. MCPS has begun work on transforming its fleet. Purchasing is underway to pilot 3 new vehicles; one full electric van, and two electric-hybrid vehicles.</p>   |



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| <p>T-7: Expand the Electric Vehicle Charging Network</p>             | <p><b>DEP:</b></p> <p>a. DEP onboarded the Zero-Emissions Vehicle Senior Planning Specialist position (approved in the FY22 budget) in late March 2022.</p> <p><b>DGS:</b></p> <p>a. DGS issued an RFP for the provision of EV charging stations on County properties to make more charging available on County property for both County vehicles and EVs owned by the public. Proposals have been evaluated and will progress to award and contract negotiations in spring 2022 with construction anticipated to begin in summer 2022.</p> <p>b. Implementing EV charging requirements for all new projects – beyond those where it is already required -- and as part of the public benefits list would require a zoning text amendment in order to implement.</p> <p>c. MCDOT partnered with DGS to allow charging of County EV Fleet vehicles at Parking Lot District EV charging stations. This is especially useful in areas such as Wheaton where the new office building houses several County agencies and fleet vehicles.</p> <p><b>DPS:</b></p> <p>a. DPS is working with stakeholders to explore options for the 2021 IECC. The 2021 codes are currently under review at the state level. Once the state publishes the 2021 codes, the County will move to public engagement. DPS will utilize the New Buildings Institute decarbonization language during amendment proposal. Additionally, the 2018 International Green Construction Code, which was adopted in September 2021, will advance energy goals through enforcement on new construction over 5,000 square feet.</p> <p>b. DPS continues to work with procurement to establish a contract with NPO, New Buildings</p> <p><b>MCDOT:</b></p> <p>a. MCDOT finalized guidelines and Council adopted code changes to allow for homeowner-installed vehicle charging facilities within the public right of way.</p> <p>b. Actively planning in conjunction with DGS to add two EV charging stations to Garage 45 in Wheaton for county employee use for fleet vehicles. MCDOT also is planning on adding two dual-port EV charging stations to Garage 13 in Wheaton.</p> |
| <p>T-8: Transportation Demand Management and Telework Strategies</p> | <p><b>MCDOT:</b></p> <p>a. The MCDOT NextGen TDM regulations were advertised in the County register for public comment. MCDOT is reviewing comments to determine any needed revisions.</p> <p>b. Implementation of the White Oak TMD is underway.</p> <p>c. MCDOT is promoting the FareShare program to private sector employers and employees; County government employees received information on available Get-In transit/vanpool subsidy programs during Open Enrollment efforts.</p> <p>d. MCDOT is continuing to provide assistance to County businesses to support telework, including providing free consulting from national experts.</p>  |

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| T-9: Traffic Management Systems   | <p><b>MCDOT:</b></p> <p>a. MCDOT is advancing the installation of pedestrian hybrid beacons (PHB, or HAWK's) to promote pedestrian safety when crossing multilane roadways or crossing point where reduced vehicle gaps and higher levels of pedestrian exposure to moving vehicle traffic exists. Additionally, MCDOT is developing a policy document that provides criteria on where and under what conditions PHB's should be considered.</p> <p>b. MCDOT continues its work/collaboration with MDOT SHA on adaptive signal control implementation on MD 108. MDOT SHA has not completed its review of the recommendations because of staffing constraints. MCDOT is encouraging additional progress from the State on this action for next quarter's update.</p>  |
| T-10: Electric Vehicle Car Share Program for Low-Income Communities<br><b>(Not in Climate Work Plan 2022)</b> |   |
| T-11: Off-Road Vehicle and Equipment Electrification  | <p><b>DEP:</b></p> <p>a. Legislation to phase out the sale and use of gas-powered leaf blowers was sent to the County Council on March 15, 2022.</p> <p><b>MCDOT:</b></p> <p>a. See T-1 above for updated information on the grant efforts. However, the No-Lo grant application does not include heavy-duty off-road equipment at this point. If the grant is successful, however, the hydrogen fueling facility may be able to be used for fueling of heavy duty off-road vehicles in the future.</p> <p>b. A total of 79 electric leaf blowers and string trimmers have been distributed to Highway Services mowing and maintenance crews to replace prior gas-powered equipment. A total of 192 electrical components and accessories, including backpack battery units, batteries, belts and chargers, were purchased to enable this transition.</p> |
| T-12: Advocate for a Vehicle Carbon/Gas Tax or VMT Tax  | <p><b>MCDOT:</b></p> <p>a. MCDOT participated in a discussion with County representatives to State Legislature. The delegation is aware of County's interest to advance this issue in the next legislative session.</p>   |
| T-13: Advocate for Rail Alternative Fuels   | <p><b>MCDOT:</b></p> <p>a. This action is not yet started.</p>  |
| <b>Carbon Sequestration Actions</b>   |   |

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| <p>S-1: Retain and Increase Forests</p>   | <p><b>DEP:</b></p> <p>a. DEP continues to work on new contract mechanisms with standards for tree spacing, densities, and aftercare for all tree and shrub plantings in DEP projects.</p> <p><b>M-NCPPC - Parks:</b></p> <p>a. M-NCPPC acquired 472.78-acres of property. This land acquisition will create the new Broad Run Conservation Park. Public ownership of this property will ensure long-term preservation and conservation of land that includes: 325 acres of forest, significant areas of contiguous forest and forest interior habitat, and 1.5 miles of Broad Run mainstream and headwater tributaries.</p> <p><b>M-NCPPC - Planning:</b></p> <p>a. Montgomery Planning staff introduced an amendment to strengthen the Forest Conservation Law in April, 2022. The Montgomery County Planning Board approved the draft with minor changes, and it will be transmitted to the County Council for introduction in May 2022. The bill would increase forest planting and forest conservation requirements for projects subject to the Montgomery County Forest Conservation Law.</p>  |
| <p>S-2: Retain and Increase Tree Canopy</p>   | <p><b>DEP:</b></p> <p>a. The new program manager for the Tree Montgomery program stepped into the position smoothly and is making significant contributions to both the FY22 and FY23 planting seasons.</p> <p>b. DEP applied for a grant through the CBT to install a minimum of 250 trees in urban frontline communities.</p> <p>c. Met with two strong candidates for developing micro-forests at congregations. Next steps include developing planting plans and acquiring funding.</p> <p>d. DEP submitted two grants through the FY22 Omnibus Appropriations bill and has received advance notice that both will be awarded. These grants will include \$1.5 million for tree planting and green infrastructure with a focus on underrepresented communities.</p> <p><b>MCDOT:</b></p> <p>a. MCDOT planted approximately 500 trees in the right-of-way in Q3, with a total of 1,672 plantings completed in Q1-Q3 of FY22.</p> <p>b. The County Executive transmitted the proposed Operating Budget to Council with a recommendation to increase funding for stump removal and tree planting. Stump removal is necessary to create space for tree canopy replacement in established urban areas.</p> |
| <p>S-3: Restore and Enhance Meadows and Wetlands<br/><b>(Not in Climate Work Plan 2022)</b></p> | <p><b>M-NCPPC - Parks:</b></p> <p>a. Final plantings were installed for Ken-Gar Palisades Local Park wetland creation and enhancement project. Work began September 2019 on execution of a Wetland Mitigation Project at the Ken Gar Palisades park to mitigate for wetland impacts incurred through construction of the Purple Line light rail transit project connecting Prince George’s and Montgomery Counties in Maryland. Project improvements included removal of invasive species within the existing wetlands, expansion of wetland areas, and replanting of native wetland plant species.</p>   |

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| S-4: Regenerative Agriculture  | <p><b>M-NCPPC - Parks:</b></p> <p>a. M-NCPPC maintains agricultural leases on parkland for farming. These agricultural leases include requirements for nutrient management, soil conservation, and use of cover crops.</p> <p><b>OAG:</b></p> <p>a. OAG spoke with farmers about practices that will reduce GHG emissions and spoke with agricultural marketing professionals from MD and VA about what Montgomery County farmers are doing.</p>  |
| S-5: Restore Soil Fertility, Microbial Activity, and Moisture-Holding Capacity | <p><b>DEP:</b></p> <p>a. The commercial food scraps recycling partnership program now includes 32 partners. In the 3rd Quarter, 71.64 tons of food scraps were recycled. Work was completed to identify commercial food scraps generators impacted by MD Bill 264, which requires food scraps recycling under specific circumstances. Staff is reaching out to the approximately 1,600 commercial food scraps generators it believes may potentially subject to MD Bill 264, to conduct surveys to estimate the amount of food scraps generated, educate them about the partnership program and offer participation.</p> <p>b. DEP launched a single-family curbside pilot recycling collection of food scraps in portions of Silver Spring and Potomac. Key program data and feedback from participants is being collected to inform future pilot expansion and ultimately for countywide curbside recycling collection.</p> <p>c. DEP continues outreach on the benefits of grasscycling and composting through distribution of updated information on the website, via brochures, tip sheets and social media postings.</p> <p>d. DEP launched its project to test and evaluation the effectiveness of two models of rodent-proof compost bins for food scraps composting in backyards, and continues to conduct workshops and webinars for participants of the project to test and evaluate use of rodentproof compost bins, as well as for yard trim composting.</p> <p>e. DEP continues to provide compost bins to residents either directly or via 18 partner distribution locations, to encourage managing of yard trim and food scraps at the source and create compost for use to improve soil health.</p> <p><b>OAG:</b></p> <p>a. OAG worked with the Compost Crew on Compost Outposts to increase the amount of food scrap composting taking place in the County taking advantage of ZTA 20- 04.</p> |
| S-6: Whole-System Carbon Management and Planning                               | <p><b>DEP:</b></p> <p>a. Received a commitment from the World Resources Institute to incorporate 2018 data related to trees and forests into the GHG inventory, adding to 2005 and 2015 existing data.</p> <p>b. Applied for and secured technical assistance from the Urban Sustainability Directors Network's Nature Based Climate Solutions initiative to help the County identify and prioritize cross-cutting Nature Based Climate Solutions and conduct a gap analysis to identify a decision support and measurement tool.</p>   |
| <b>Climate Adaption Actions</b>  |   |

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| A-1: Water Infrastructure Resilience                         | <p><b>WSSC:</b></p> <p>a. WSSC completed these efforts in June 2021. The WSSC climate change guidelines are being incorporated into Engineering and Construction design guidelines.</p>   |
| A-2: Repair and Enhancement of Stormwater Conveyance Systems | <p><b>MCDOT:</b></p> <p>a. MCDOT started construction for the Hidden Valley Culvert.</p> <p>b. MCDOT completed construction of the Clarksburg Road Culvert.</p> <p>c. MCDOT started design of Crabbs Branch Culvert, Peach Leaf Court Culvert, and Crystal Rock Drive Culvert, and completed design of the Pooks Hill Road Culvert Rehabilitation.</p> <p>d. MCDOT completed construction of Blunt Road South Culvert and the Turkey Branch Parkway Culvert Replacement.</p> <p>e. MCDOT conducted maintenance of storm culverts and ditches countywide. Completed a Flood Plain Study for the Clarksburg Road Culvert and initiated Flood Plain Studies for the Wightman Road Culvert and for the Tucker Lane Culvert.</p> <p>f. Progress on other actions includes:</p> <ul style="list-style-type: none"> <li>• MCDOT pursued funding and started design for the Amaranth Drive Culvert.</li> <li>• MCDOT started construction on the Armat Drive culvert.</li> <li>• MCDOT participated in regular Flooding Task Force meetings.</li> <li>• MCDOT supported DEP on defining the scope for a task to develop a strategy to address flooding county-wide.</li> <li>• MCDOT completed a flood study of the 9/1/22 storm for the Twinbrook/Rockcrest Watershed.</li> <li>• MCDOT began a Riverfalls drainage study.</li> </ul> <p><b>M-NCPPC - Parks:</b></p> <p>a. Ongoing coordination with MCDOT has resulted in a program to address failing stormdrain outfalls and associated downstream channels on parkland. The collaboration continues to implement projects that not only address the aging infrastructure, but also protects eroding banks and promotes velocity dissipation and infiltration before the drainage channel reaches a perennial stream.</p> |
| A-3: Temperature Monitoring and Alerts                       | <p><b>OEMHS:</b></p> <p>a. The County's application for the NOAA urban heat mapping grant was approved. Meetings with OEMHS, DEP, and NOAA have begun and we are soliciting volunteers to assist with the project. The heat mapping event is tentatively scheduled in August, we will need a hot and dry day. More information available in the County's Press Release:<br/> <a href="https://www2.montgomerycountymd.gov/mcgportalapps/Press_Detail.aspx?Item_ID=40448">https://www2.montgomerycountymd.gov/mcgportalapps/Press_Detail.aspx?Item_ID=40448</a></p> <p>b. OEMHS and OPI continue to promote and encourage Alert Montgomery registrations</p> <p>c. The Spring 2022 update of the Extreme Temperature Plan is in progress with completion scheduled for May.</p>  |

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| A-4: Extreme Weather Energy Efficiency Building Code  | <p><b>DPS:</b></p> <p>a. Currently no codes directly correlate to resiliency but the increased efficiency in the 2021 IECC puts Montgomery County on a path to better extreme weather resiliency through envelope, onsite solar, and potential onsite storage. The 2018 International Green Construction Code, adopted in September 2021, also enforces increased efficiencies and onsite generation.</p>  |
| A-5: Climate-Adapted Housing Incentives/Subsidies<br><b>(Not in Climate Work Plan 2022)</b> |  |
| A-6: Green/Cool/PV Roof and Pavement Code   | <p><b>DPS:</b></p> <p>a. The 2018 International Green Construction Code was adopted in September 2021.</p> <p>b. DPS is exploring specific amendments to the 2021 codes to require solar reflective index (SRI) requirements for roofing materials.</p>  |
| A-7: Green Public Spaces  | <p><b>DEP:</b></p> <p>a. DEP is in the process of identifying projects to fulfill future Municipal Separate Storm Sewer System (MS4) permit requirements and it anticipates that Green Streets projects will be part of that portfolio.</p>  |
| A-8: Harden Emergency Shelters and Install Resilience Hubs                                  | <p><b>DGS:</b></p> <p>a. The Scotland Recreation Center Resilience Hub has completed design and construction phases and is anticipated to be operational in summer 2022. See also E-4 above.</p>   |
| A-9: Mold Protection and Remediation<br><b>(Not in Climate Work Plan 2022)</b>              |  |
| A-10: Green Infrastructure  | <p><b>DEP:</b></p> <p>a. DEP hired the new Tree Montgomery Program Manager approved in the FY22 budget. The new employee started in January 2022, and this will allow the program to expand planting in FY23 to 3000 trees.</p> <p>b. In the last year, DEP completed restorative work on four stormwater management ponds (Briar Acres, Persimmon Tree, Peachwood and Quail Valley).</p> <p>c. DEP presently has Glenmont Forest Green Streets in construction.</p> <p>d. DEP currently has nine stormwater management Pond Retrofit projects in design (Airpark, Watkins Mill, Germantown Park, Clearspring Manor, Plum Gar, Longmead Crossing, Williamsburg Village, Norbeck Manor and Leisure World) and three Stream Restoration projects (Grosvenor Stream, Old Farm Creek and Germantown Park Stream).</p> <p><b>M-NCPPC - Parks:</b></p> <p>a. Parks has completed 2 of the 4 original stream restorations identified for the County's MS4 permit. DEP and Parks have signed an MOU to expand this work to include an additional 4 stream restoration and outfall projects</p> |
| A-11: Climate-Adapted Development Standards   | <p><b>DPS:</b></p> <p>a. DPS is in communications with neighboring jurisdictions, the state energy administration, and multiple national organizations to better align with holistic goals and utilize national expertise.</p>   |

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| <p>A-12: Stormwater Retention Credit Trading<br/> <b>(Not in Climate Work Plan 2022)</b></p> |  |
| <p>A-13: Ban Stormwater Management Requirement Waivers</p>                                   | <p><b>DPS:</b><br/> a. The timeframe for updates to FEMA’s Flood Insurance Rate Maps (FIRM) has been delayed. DPS is working with FEMA to ascertain an updated timeline for community outreach and the ability for residents to easily view flood maps online. b. DPS participated in the kick off meeting with Jacobs, a consultant that is working with the Flooding Taskforce to comprehensively address flood prevention and mitigation in Montgomery County. These meetings are ongoing and include many other County stakeholders.</p> |
| <p>A-14: Update Floodplain Maps</p>  | <p><b>DPS:</b><br/> a. DPS is cooperating with FEMA who is the lead agency in updating the Flood Insurance Rate Maps. DPS routinely updates GIS layers as new floodplains at the local level are mapped as part of its floodplain study reviews.<br/> b. A draft scope of work has been prepared for the development of a comprehensive strategy to address flooding in the County. Contributors to this included DEP, DOT, DPS, and OEMHS. Contract vehicles to undertake this work are being assessed.</p>                                 |

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| A-15: Water Supply Protection  | <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. DEP is targeting future stormwater management pond retrofit and environmental site design (ESD) projects in areas with no current or inadequate stormwater management. A site suitability model and maps have been developed to identify these areas for future investment.</li> <li>b. DEP is continuing to successfully inspect and maintain over 20,000 stormwater management facilities in the County.</li> <li>c. DEP held a press event December 7, 2022, with the County Executive, DOT and WSSC representatives to highlight the need to manage the use of salt to melt snow and ice. Monitoring data has shown increase impacts to drink water and biotic communities in streams from salt use. DEP is also working with a state delegate and OIR on state legislation that would provide voluntary certified applicator training for salt applicators and limited liability legislation.</li> <li>d. Please also see A-10.</li> </ul> <p><b>M-NCPPC - Parks:</b></p> <ul style="list-style-type: none"> <li>a. Stoneybrook Tributary to Rock Creek stream restoration is complete. Design and permitting continue to progress for Clearspring and Glenallen stream restorations.</li> <li>b. Montgomery Parks' FY22 Outfall Restoration Program underway with 5 of the 12 projects complete.</li> </ul> <p><b>M-NCPPC - Planning:</b></p> <ul style="list-style-type: none"> <li>a. Montgomery Planning is working on ensuring adequate implementation of the 10 Mile Creek Special Protection Area. The Montgomery County Planning Board approved an update of the Environmental Guidelines for Environmental Management of Development in Montgomery County to include a new chapter that covers environmental requirements for development in the Ten Mile Creek watershed, including requirements specific to implementing the 10 Mile Creek Special Protection Area. Montgomery Planning is continuing to apply these Guidelines and requirements to all development review in the Ten Mile Creek watershed.</li> <li>b. The Planning Board approved the Creekside at Cabin Branch and Ashford Woods Preliminary and Site Plan applications. Planning staff coordinated with WSSC staff that monitor the Little Seneca Lake as part of their reviews. These applications required a Stream and Wetland Restoration Plan as</li> </ul> |
| A-16: Flood Rescue Resources   | <p><b>OEMHS:</b></p> <ul style="list-style-type: none"> <li>a. The Sensors OEMHS has received in agreement with the US Department of Homeland Security are currently being installed. Expected completion of installation is the month of May.</li> </ul>   |
| A-17: On-Site Water Reuse  | <p><b>DPS:</b></p> <ul style="list-style-type: none"> <li>a. DPS plans to explore county legislation to enforce water conservation as a method of energy conservation.</li> </ul>   |
| A-18: Expanded Community Gardens   | <p><b>M-NCPPC - Parks:</b></p> <ul style="list-style-type: none"> <li>a. The new Edgewood Community Garden is set to open in Spring of 2023.</li> </ul>   |
| A-19: Advocacy for Off-River Water Storage<br><b>(Not in Climate Work Plan 2022)</b> |   |



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| <p>A-20: Study Potential for Buildings in the County to Flood and Possible Remedies</p>   | <p><b>OEMHS:</b></p> <ul style="list-style-type: none"> <li>a. A Task Order Proposal Request (TOPR) has been submitted to solicit proposals for the Hazard Mitigation Plan update.</li> <li>b. OEMHS interviewed candidates for the Hydrologist position in April. Hiring process is underway.</li> </ul>   |
| <p><b>Climate Governance Actions</b></p>  |   |
| <p>G-1: Build Awareness among All Montgomery County Government Staff about Climate Change</p>   | <p><b>CEX:</b></p> <ul style="list-style-type: none"> <li>a. OHR and CEX drafted information about the County’s climate initiatives for inclusion at new employee orientation sessions.</li> <li>b. The County Executive and Climate Change Officer co-hosted a training on becoming a climate change leader for 125 MCG employees.</li> </ul> <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. DEP secured support from the Association of Climate Change Officers (through a carve out in a state contract) for two workshops focusing on risk assessment for Budget Analysts and Administrators and working collaboratively across organizational lines for departmental Climate Ambassadors.</li> <li>b. DEP deepened awareness among County staff about access to the Urban Sustainability Directors Network membership benefits (the County has more members than any other jurisdiction in the country).</li> </ul> <p><b>MCPS:</b></p> <ul style="list-style-type: none"> <li>a. MCPS staff completed Climate Ambassador training hosted by DEP</li> </ul> <p><b>M-NCPPC -Parks:</b></p> <ul style="list-style-type: none"> <li>a. 15 staff from Montgomery Parks participated in the 3-part Climate Ambassador program hosted by Montgomery County and ACCO.</li> </ul> <p><b>OHR:</b></p> <ul style="list-style-type: none"> <li>a. OHR and CEX drafted information about the County’s climate initiatives for inclusion at new employee orientation sessions.</li> </ul> |
| <p>G-2: Establish a Climate Change Academy to Integrate Climate Change Training into the Professional Development of Montgomery County Government Staff</p> | <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. The Association of Climate Change Officers (ACCO) conducted two training programs for about 50 Departmental Climate Ambassadors, focusing on the science and impacts of climate change.</li> <li>b. Training included an outline of the expectations of Climate Ambassadors: 1) Mobilize staff to green their department’s day-to-day operations, 2) build resiliency among vulnerable community members they serve, and 3) work as a team with other department Ambassadors to implement and evolve the Climate Action Plan.</li> </ul> <p><b>OHR:</b></p> <ul style="list-style-type: none"> <li>a. DEP and OHR began developing the components of a Climate Change Academy, including drafting a brief strategy document to identify priority training groups (e.g., OMB Budget Analysts/Budget Administrators, Climate Ambassadors and Communication/ Engagement staff).</li> </ul>  |

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| G-3: Incorporate Climate Competencies into Montgomery County Government Job Descriptions and Performance Plans   | <p><b>OHR:</b></p> <p>a. A three level Climate Change Competency Framework was drafted and shared with the Climate Leadership team in January 2022. The next steps were to share the framework with a few key departments, assess specific jobs within the framework and determine current department gaps. The OHR team will revisit the timeline and approach given the current bandwidth in the departments due to Omicron and recommend a revised approach for FY22.</p>   |
| G-4: Identify and Create New Positions that Are Needed for the County Government to Prepare for and Respond to Climate Hazards, Implement Climate Adaptation Measures, and Reduce Greenhouse Gas Emissions | <p><b>OMB:</b></p> <p>a. The CE's recommended FY23 budget included 16 new positions for the County's climate efforts, including positions to implement Building Energy Performance Standards, address flooding.</p>  |
| G-5: Establish a Cross-Departmental Climate Innovation Lab to Develop, Fund, and Implement Climate and Resiliency Initiatives  | <p><b>CEX:</b></p> <p>a. Innovation Office led a half-day training using the innovation method of liberating structures to help climate ambassadors launch successful departmental teams.</p>  |
| G-6: Designate Climate Ambassadors within Each County Department   | <p><b>DEP:</b></p> <p>a. Climate Ambassadors within each County department are continuing to be identified.</p> <p>b. Climate Change Ambassadors will participate in training provided by the Climate Change Academy (see G-2 and G-5 for details).</p>  |
| G-7: Evaluate and Update County Planning, Policy, Codes, and Operations Activities to Account for the Risks of Climate Change Impacts and Prioritize the Needs of Vulnerable Residents                     | <p><b>M-NCPPC - Planning:</b></p> <p>a. 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.</p> <p><b>OEMHS:</b></p> <p>a. DEP has scheduled the Flooding Strategic Plan kick-off meeting for May 5.</p> <p>b. A Task Order Proposal Request (TOPR) has been submitted to solicit proposals for the Hazard Mitigation Plan update.</p> <p>c. The Spring functional exercise is scheduled for June 22.</p>                                      |
| G-8: Evaluate and Update County Procurement, Planning, Policy, and Operations Activities to Reduce Greenhouse Gases  | <p><b>CEX:</b></p> <p>a. County departments provided climate change, resiliency, and greenhouse gas emissions detail in their FY23 operating and capital budget submissions. The responses informed the CE's FY23 budget discussions.</p>  |
| G-9: Incorporate Climate Considerations into the County's Budgeting Processes  | <p><b>CEX:</b></p> <p>a. County departments provided climate change, resiliency, and greenhouse gas emissions detail in their FY23 operating and capital budget submissions. The responses informed the CE's FY23 budget discussions.</p> <p><b>DEP:</b></p> <p>a. The Association of Climate Change Officers met with OMB, Finance and DEP to consider development of a risk assessment model to inform the budgeting process.</p> <p><b>OMB:</b></p> <p>a. Departments included climate information alongside their FY23 operating and capital budget requests, and improvements for the FY24 budget cycle have started.</p> |

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| <p>G-10: Develop Financing Strategies for Implementing Climate Actions and Incorporate Climate Considerations into County Finance Practices</p> | <p><b>DEP and DOF:</b></p> <p>a. Bill 46-21 amending the CPACE financing program was enacted on March 15, 2022 and will become effective on June 27, 2022.</p> <p>b. Bill 44-21--which will provide 10% of the Fuel Energy Tax to the Green Bank to further its work in the County--was passed unanimously by Council on February 1, 2022.</p> <p><b>MCGB:</b></p> <p>a. The Green Bank implemented its newest structure with Sandy Spring Bank where the Green Bank matedh its CLEER loss reserve product with an investment of Green Bank capital in the project loan. This novel strcuture will provide much more flexibility for the Green Bank and its partners to invest in ceal energy improvements. The Green Bank capital reduced the interest rate for the property owner.</p> |
| <p>G-11: Develop Climate, Energy, Health, and Racial Equity Metrics and a Data-Driven Assessment and Reporting Process</p>                      | <p><b>DEP and OMB:</b></p> <p>a. One of the Climate Fellows is primarily focused on collecting and researching data sources to support a climate-focused metrics dashboard to better communicate the County's progress towards its climate goals.</p> <p>b. Created dashboard with high level metrics on CAP progress to display on new climate website</p> <p>c. Worked with CEAQAC advisory group to begin process to track detailed, sector-specific metrics</p> <p>d. Began identifying data gaps to identify future metrics to track</p>  |
| <p>G-12: Formalize the Climate Leadership Team to Guide the Implementation of Climate Plan Actions</p>  | <p><b>CEX:</b></p> <p>a. Evaluated policy options for formalizing the Team, and ramifications, including the Open Meetings Act. Will have a draft of executive orders in Q4.</p>   |
| <p>G-13: Update the County's Teleworking and Transit Benefit Policies to Encourage MCG Staff to Reduce Vehicle Miles Traveled</p>               | <p><b>CEX:</b></p> <p>a. The County's new teleworking policy was finalized and rolled out in October 2021.</p> <p>b. See T-6 for information on the Zero Emissions fleet transition plan.</p>  |
| <p>G-14: Establish Montgomery County Government Carbon Fund for Air Travel<br/><b>(Not in Climate Work Plan 2022)</b></p>                       |  |

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| <p>G-15: Consolidate County Climate Data</p>                         | <p><b>DEP and OMB:</b></p> <ul style="list-style-type: none"> <li>a. One of the Climate Fellows is primarily focused on collecting and researching data sources to support a climate-focused metrics dashboard to better communicate the County's progress towards its climate goals.</li> <li>b. 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.</li> <li>c. Spreadsheet information will be shared on the new climate website.</li> <li>d. Not moving forward with a climate Data Retreat at this time.</li> </ul> <p><b>DPS:</b></p> <ul style="list-style-type: none"> <li>a. New database system under development.</li> </ul>  |
| <p>G-16: Conduct Climate Vulnerability Detailed Assessments</p>      | <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. MCDOT, DGS, and DEP are working with the Department of Defense/Walter Reed and surrounding community to identify climate change related vulnerabilities in the transportation, energy, and stormwater sectors and develop a Resiliency Implementation Plan for the Installation.</li> <li>b. DEP, DGS, and Gannett Fleming (project consultant) toured Walter Reed facilities and met with energy staff at Naval Support Activity Bethesda in December 2021. DEP and Gannett Fleming participated in an off-base stormwater walking tour in the Stoney Creek watershed in Bethesda in December 2021. Staff discussed the NIH Stormwater Pond project and identified sites for potential stormwater management facilities and upgrades.</li> <li>c. Field data collection was completed in December for the Walter Reed grant. The consultant is preparing the following deliverables for project Technical Advisory Committee review: Initial Vulnerability Assessment; Preliminary Floodplain Evaluation; Existing Conditions Assessment. The project is scheduled for completion in late Fall 2022.</li> </ul> |
| <p><b>Public Engagement, Partnerships, and Education Actions</b></p> |   |

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| <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 of Climate Change</p> | <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. DEP worked with One Montgomery Green to disseminate invite for meeting with founder of the Empowerment Institute to learn more about the Cool Block program.</li> <li>b. The DEP Climate Engagement position (approved in the FY22 budget) was onboarded in Q3.</li> <li>c. DEP is organizing climate storytelling workshops, facilitated by Climate Stories Project, in which community members develop, articulate, record, and share their own climate story—their personal and community relationship with climate change. This project is related to the Community Justice Academy as its focus is on amplifying the voices of under-represented and frontline community members. Community based partners include the African American Health Program, Latino Health Initiative, Community Advocacy Institute, African Affairs Advisory Group, Caribbean American Advisory Group and others.</li> </ul> <p><b>HHS:</b></p> <ul style="list-style-type: none"> <li>a. The Office of Community Affairs (OCA) Green team continues to raise awareness and educate colleagues about Climate Change and the climate crisis. An HHS Climate Corner infographic title “Top 5 Reasons Why HHS Cares About Climate” was developed and submitted to the Public Information Office team for inclusion in the HHS Director’s Corner March newsletter. Monthly climate awareness presentations have been delivered to the OCA managers team.</li> <li>b. To commemorate Earth Month, 14 OCA staff participated in the 1st Annual OCA Park Cleanup at Wheaton Regional Park on April 4, 2022. The OCA team, made up of staff from the Latino Health Initiative (LHI) and the Community Action Agency, were joined by Montgomery Parks outreach staff who delivered an educational demonstration to increase awareness about the impact of litter, recycling and the Parks Department’s cleanup efforts. With cleanup supplies provided by Parks, the team worked together to pick up multiple bags of waste and recyclable items littered throughout the park.</li> <li>c. DEP’s Community Climate Ambassadors training workshop was adapted into Spanish in coordination with the Climate Stories Project, LHI and other community partners. LHI and community partners recruited 43 participants to take part in the 3 session training in Spanish. Participants learned about the impact of climate change in their communities and began</li> </ul> |
| <p>P-2: Conduct an Outreach Campaign that Uses Evidence-Based Communications Strategies</p>   | <p><b>DEP:</b></p> <ul style="list-style-type: none"> <li>a. Work continues on the development of an outreach campaign, including seeking input from the public through: <a href="https://mygreenmontgomery.org/2022/calling-creative-minds/">https://mygreenmontgomery.org/2022/calling-creative-minds/</a></li> </ul>  |

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| <p>P-3: Form a Climate Change Communication Coalition</p>  | <p><b>DEP:</b></p> <p>a. Climate Change Communication Coalition (C4) has been created and includes representatives from DEP, MCDOT, CEC-SSUD, HHS, Libraries, PIO, Community Partnerships, Parks, Montgomery College, OHR, MCPS, OEMHS, and FRS. This group meets twice a month and is in the process of a county wide outreach program to receive input from the public about our messaging around climate change. C4 will focus on five themes identified by the Climate Planning Team: 1) Energy Efficiency/Renewables, 2) Buying local food/reducing food waste/eating more plant based foot, 3) Sustainable Transportation, 4) Purchase flood insurance, 5) Plant trees.</p> <p><b>MCPS:</b></p> <p>a. MCPS participated in this Coalition</p> <p><b>M-NCPPC - Parks:</b></p> <p>a. Parks is a participating member in the County's Climate Action Communication Workgroup, which meets 2-4 times per month. The Workgroup is creating a promotional campaign to educate and inspire the public on simple lifestyle changes people can make to reduce their carbon footprint.</p> |
| <p>P-4: Enhance County Websites to Focus More Sharply on Climate Change</p>  | <p><b>PIO:</b></p> <p>a. A refresh of the County's climate webpage is currently under development.</p> <p>b. The County's flood webpage is being updated.</p>  |
| <p>P-5: Establish a Community Justice Academy in which Graduating Community Ambassadors Representing their Neighbors Conceive and Co-Create Integrated Health, Equity and Quality-of-Life Solutions Directly Applicable to their Communities</p> | <p><b>DEP:</b></p> <p>a. New Climate Engagement Program Manager hired; scope of work for Community Justice Academy written and contractor identified; met with Racial Equity and Social Justice Committee to discuss mutual goals, priorities and approaches. Work to resume in 4th Quarter with fully executed contract.</p>  |
| <p>P-6: Use the Climate, Energy, and Air Quality Advisory Committee as a Resource to Advise the County on Performance Metrics and Plan Implementation</p>  | <p><b>DEP:</b></p> <p>a. CEAQAC continues to meet monthly. In mid January 2022, CEAQAC provided advisory recommendations to the County Executive on the FY 2023 recommended budget to support the County's climate change initiatives.</p> <p>b. CEAQAC provided advisory guidance on a climate speaker series to be offered through the Montgomery County Public Libraries.</p>   |

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| <p>P-7: Facilitate Ongoing Input from Community Members on the CAP's Implementation</p>  | <p><b>DEP:</b></p> <p>a. The Climate Team discussed the Climate Action Plan and plan implementation at a variety of community events and venues and met with interested community members to identify partnership opportunities. To-date in FY22, community meetings include: Faith Alliance for Climate Solutions, National Night Out, One Montgomery Green, Food Council, Town of Kensington, Air and Climate Public Advisory Committee, Rotary, Silver Spring Citizens Advisory Board, MidAtlantic Region Environmental Professionals, Mid-County Citizens Advisory Board, Common Energy's COP26 Climate Action Marathon, Gaithersburg Community Museum, Mental Health Advisory Committee, Councilmember Katz's Student Advisory Group, and Town of Chevy Chase.</p> <p>b. DEP and MCPL co-hosted a Contemporary Conversations session with climate change journalist and author Elizabeth Kolbert.</p> <p><b>M-NCPPC - Parks:</b></p> <p>a. In coordination with the County's Climate Action Communication Workgroup, Parks began the first phase of soliciting public input in April 2022. The workgroup is asking the public to submit words, phrases or a sentence that will inspire neighbors to take action on simple climate solutions. Parks is sharing the campaign on social media and e-newsletters through May 27, 2022.</p> |
| <p>P-8: Engage County Artists through Public Art Installations to Raise Awareness, Discussion, and Action on Climate Change</p>  | <p><b>DEP:</b></p> <p>a. DEP staffer agreed to serve as member of Public Arts Trust Steering Committee.</p>   |
| <p>P-9: Support the Efforts of Community Organizations, Businesses, Municipalities, and Associations that Promote and Operationalize Equitable Climate Action</p>  | <p><b>DEP:</b></p> <p>a. The climate change art contest winning entries are now on display in the Climate Action Plan virtual information room.</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, the Public Service Commission, and the Utility Companies</p> | <p><b>CEX:</b></p> <p>a. The Maryland Coalition of Counties and Cities for Climate Action, a statewide climate coalition of local governments, has launched and is meeting regularly.</p> <p><b>DEP:</b></p> <p>a. DEP onboarded the State Energy and Climate Policy Manager position (approved in the FY22 budget) in late March 2022 who will manage Montgomery County's participation in this Coalition of local government to build consensus on climate and energy policies at the State level.</p>  |
| <p>P-11: Establish Partnerships with Federal Agencies Located within the County's Boundaries on GHG Mitigation and Climate Resiliency Efforts</p>  | <p><b>CEX:</b></p> <p>a. See update on the US Department of Defense grant in G-16.</p>  |
| <p>P-12: Advocate for the Continued Integration of Climate Change Education into the Existing School Curriculum</p>  | <p><b>MCPS:</b></p> <p>a. MCPS reports that work is well underway in science and social studies to identify the myriad of climate connections in the current curriculum and highlight that content. A draft of climate connections will be ready to share with related MCPS departments in Spring 2022.</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><b>MCPS:</b></p> <p>a. Curriculum review and update continues, with subjects that are related to climate change highlighted with a special icon.</p>   |

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| <p>P-14: Provide Professional Development for Educators on Climate Change Topics</p>   | <p><b>MCPS:</b></p> <ul style="list-style-type: none"> <li>a. Several virtual MD Green School support sessions held Fall 2021 - Winter 2022 to assist MCPS Green Team Leaders in certifying/recertifying as Green Schools.</li> <li>b. On November 15, 2021, MCPS hosted a Fall Symposium to celebrate American Recycling Day. Students, staff, and school-based Green teams learned about how MCPS contributes to the 4R's—"Reduce, Reuse, Recycle, Rethink"</li> </ul>  |
| <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><b>MCPS:</b></p> <ul style="list-style-type: none"> <li>a. MCPS has authorized a new position in FY23, Live Infrastructure Project Manager, and work is underway to fill this new position.</li> </ul> <p><b>M-NCPPC - Parks:</b></p> <ul style="list-style-type: none"> <li>a. Currently, the Montgomery Parks Community Garden Program Manager serves as a Co-Chair to the Gardening Subcommittee (under the Montgomery County Food Council). The purpose of this group is to highlight, advance, and create opportunities for gardening and local food production across 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.</li> </ul>  |
| <p>P-16: Develop Increased Opportunities for Students to Participate in Climate Change Learning Experiences Outside of the Classroom</p>     | <p><b>MCPS:</b></p> <ul style="list-style-type: none"> <li>a. MCPS hosted the Youth Climate Summit on Saturday March 5, 2022, an event organized, planned and led by students!</li> </ul> <p>As part of the public comment period for updates to Board Policy ECA, Sustainability, MCPS students hosted a Environmental Sustainability Youth Town Hall on March 22, 2022. Guest speakers included the Student Member of the Board of Education, and representatives of Facilities Management, Curriculum, Transportation and Food and Nutrition Services. During that town hall, 31 students posted comments. More information about the Policy is available at <a href="https://www2.montgomeryschoolsmd.org/departments/policy-public-comment">https://www2.montgomeryschoolsmd.org/departments/policy-public-comment</a>. A total of 99 comments were received on the draft policy.</p> <p>All secondary students receive a monthly newsletter that has a section dedicated to Sustainability initiatives in MCPS.</p> <p><b>M-NCPPC - Parks:</b></p> <ul style="list-style-type: none"> <li>a. Black Hill Visitor Center was successfully recertified and Meadowside Nature Center extended their certification as a Maryland Green Centers with MAEOE (Maryland Association for Environmental and Outdoor Education). The Maryland Green Center award represents a commitment to the Maryland Green Schools Program. The Nature Center's continue to support local schools with the implementation of environmental literacy and assisting them in earning Green School status.</li> </ul> |



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| <p>P-17: Develop Sustainability Goals for Schools to Reach and Provide Incentives to Do So</p>                        | <p><b>MCPS:</b><br/> a. MCPS successfully certified one new school (Whitman HS) and recertified 28 schools in the Maryland Green Schools program, bringing the total of participating schools to 91.</p> <p>On April 21, 2022 the MCPS Policy Management Committee reviewed suggested changes to Board Policy ECA, Sustainability, and voted that the policy be forwarded for full board review on June 7, 2022. The draft policy can be found at <a href="https://www2.montgomeryschoolsmd.org/siteassets/district/departments/policy-public-comment/eca/eca.pdf">https://www2.montgomeryschoolsmd.org/siteassets/district/departments/policy-public-comment/eca/eca.pdf</a> and an FAQ can be found at <a href="https://www.montgomeryschoolsmd.org/uploadedFiles/departments/facilities/sustainability/Policy%20ECA_FAQ.pdf">https://www.montgomeryschoolsmd.org/uploadedFiles/departments/facilities/sustainability/Policy%20ECA_FAQ.pdf</a></p> |
| <p>P-18: Encourage Climate Change Action at Home</p>  | <p><b>DEP:</b><br/> a. The Montgomery County Council of PTAs hosted a Zoom meeting featuring Montgomery Energy Connection during Energy Action Month, attended by representatives from PTA school-based leadership to share actions households can take to reduce energy use and costs.</p> <p><b>MCPS:</b><br/> a. MCPS staff hosted a "table" at the Montgomery County Greenfest on Saturday April 23, 2022, sharing information about MCPS SERT Teams and various recycling opportunities</p>   |
| <p>P-19: Establish Cross-Departmental Partnership to Facilitate Implementation of Climate Goals at County Schools</p> | <p><b>MCPS:</b><br/> a. MCPS has met monthly with various agencies to solve related issues, with additional collaborative work planned.</p>  |
| <p><b>Economic Development</b></p>  |  |
| <p>Sustainable Economic Development</p>   | <p><b>DEP:</b><br/> a. Final draft of report submitted: "High Road Economic Inclusion Framework for an Equitable Climate-Ready Economy" which is being reviewed by departments and agencies. Report will be made public in the 4th Quarter; as a result of the preliminary recommendations, a new Green Workforce Liaison position was included in the CE Recommended FY23 Operating Budget, the focus of which is to help align CAP economic development opportunities with workforce development, small business support and procurement.<br/> b. The consultant Project Equity completed a detailed analysis of the opportunities associated with worker-ownership transitions. As a result, \$50,000 in Operating Expenses was included in the CE Recommended Operating Budget to supplement Impact Silver Spring's existing work to accelerate the spread of worker-owned businesses.</p>   |
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| <p style="text-align: center;"><b>Acronyms</b></p>  |  |
| <p>- CAI: Community Advocacy Institute</p>  |  |
| <p>- CAP: Climate Action Plan</p>   |  |
| <p>- CBT: Chesapeake Bay Trust</p>  |  |

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| - CCE: Community Choice Energy                                    |
| - CEAQAC: Climate, Energy, and Air Quality Advisory               |
| - CE: County Executive  |
| - CEX: County Executive Office                                    |
| - CIP: Capital Improvements Program                               |
| - C-PACE: Commercial Property Assessed Clean Energy               |
| - DEP: Department of Environment Protection                       |
| - DGS: Department of General Services                             |
| - DOF: Department of Finance                                      |
| - DOT: Department of Transportation                               |
| - DPS: Department of Permitting Services                          |
| - EV: electric vehicle  |
| - FEMA: Federal Emergency Management Agency                       |
| - FRS: Fire and Rescue Service                                    |
| - FTA: Federal Transit Administration                             |
| - FY: fiscal year   |
| - GHG: greenhouse gas   |
| - GIS: Geographic Information System                              |
| - HAWK: High-Intensity Activated crosswalk                        |
| - HHS: Department of Health and Human Services                    |
| - IECC: International Energy Conservation Code                    |
| - IGCC: International Green Construction Code                     |
| - KW: kilowatt(s)   |
| - KWh: kilowatt hour(s)   |
| - LHI: Latino Health Initiative                                   |
| - MCDOT: Montgomery County Department of Transportation           |
| - MCG: Montgomery County Government                               |
| - MCPD: Montgomery County Police Department                       |
| - MCPS: Montgomery County Public Schools                          |
| - MDOT: Maryland Department of Transportation                     |
| - M-NCPPC: Maryland-National Capital Park and Planning Commission |
| - MORE: Montgomery County Racial Equity                           |
| - MOU: Memorandum of Understanding                                |
| - MSDE: Maryland State Department of Education                    |
| - MTA: Maryland Transportation Authority                          |
| - MW: megawatt(s)   |
| - MWCOG: Metropolitan Washington Council of Governments           |
| - NOAA: National Oceanic and Atmospheric Administration           |
| - OAG: Office of Agriculture                                      |

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| - OEMHS: Office of Emergency Management and Homeland Security              |
| - OHR: Office of Human Resources   |
| - OIR: Office of Intergovernmental Relations                               |
| - OMB: Office of Management and Budget                                     |
| - OPI: Office of Public Information  |
| - PEPCO: Potomac Electric Power Company                                    |
| - PSC: Public Service Commission   |
| - PV: photovoltaic   |
| - RAISE: Rebuilding American Infrastructure with Sustainability and Equity |
| - RFP: request for proposal  |
| - SEED: Sustainable Education Every Day                                    |
| - SHA: State Highway Administration  |
| - SSL: Student Service Learning  |
| - TMD: Transportation Management District                                  |
| - TPB: Transportation Planning Board                                       |
| - USDOT: United States Department of Transportation                        |
| - WMATA: Washington Metropolitan Area Transit Authority                    |
| - WSSC: Washington Suburban Sanitary Commission                            |