Logic and Action Plan: Post-Quarterly Progress Meeting

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**Tree Canopy–2021-2022** *[NOTE: make sure to edit* ***pre****- or* ***post****- in the text above, to tell the reader whether this logic and action plan is in preparation for your quarterly progress meeting or has been updated based on discussion at the quarterly progress meeting.]*

**Long-term Target:** Continually increase urban tree canopy capacity to provide air quality, water quality and habitat benefits throughout the watershed. Expand urban tree canopy by 2,400 acres by 2025.

**Two-year Target:**

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| **Instructions:** Before your quarterly progress meeting, provide the status of individual actions in the table below using this color key. |
| Action has been completed or is moving forward as planned. |
| Action has encountered minor obstacles. |
| Action has not been taken or has encountered a serious barrier. |

Additional instructions for completing or updating your logic and action plan can be found on [ChesapeakeDecisions](http://www.chesapeakebay.net/decisions/srs-guide).

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| Factor | Current Efforts | Gap | Actions | Metrics | Expected Response and Application | Learn/Adapt |
| *What is impacting our ability to achieve our outcome?* | *What current efforts are addressing this factor?* | *What further efforts or information are needed to fully address this factor?* | *What actions are essential (to help fill this gap) to achieve our outcome?* | *What will we measure or observe to determine progress in filling identified gap?* | *How and when do we expect these actions to address the identified gap? How might that affect our work going forward?* | *What did we learn from taking this action? How will this lesson impact our work?* |
| Funding and Finances | Partners developed a [Tree Canopy Financing Guide](https://chesapeaketrees.net/wp-content/uploads/2019/04/FinancingUrbanTreeCanopyPrograms_LowRes_040919.pdf), a [Funding Urban Forestry Online Course](https://mostcenter.umd.edu/resources/funding-urban-forestry-programs), and delivered training at 2020 Chesapeake Tree Canopy Summit. | Funding (federal, state, local) and staffing to support tree canopy efforts (planting, preservation, and maintenance) is still primary need cited by partners. Need further local capacity building, especially in low canopy areas, and at a higher level, need to work with jurisdictions, funding partners, and subject matter experts to develop new solutions to address gaps. | 1.1, 1.2, 1.3 | Implementation of new funding strategies/  recommendations  that emerge from the Funding & Policy Roundtable process and state-level efforts | Though some new investments might occur in the next 2 year window, change towards a more robust funding framework will likely take longer (2023-2025 and beyond) |  |
| Federal and State Government Agency Engagement | State forestry agencies and USFS are main entities engaged and coordinating through Forestry Workgroup. | More engagement with other state programs (water quality, climate, public health, EJ, etc.) and other federal partner agencies is needed to address tree canopy co-benefit opportunities and tree equity needs in underrepresented communities | 1.3, 2.1, 2.2, 3.1, 3.2, 3.3 | Number of new state or federal agency programs contributing to tree canopy partnership; tangible outcomes of their contribution | We hope to see a marked increase in participation by end of 2022, with tangible outcomes likely to come after 2022-2025) |  |
| Local Government Agency Engagement | Some local engagement occurring through Chesapeake Tree Canopy Network and collaboration with Local Leadership Workgroup | Need to build our CBP local engagement capacity, especially around sharing new land cover/change data and sharing best practices/resources for maintaining and expanding tree canopy | 1.2, 2.1, 2.2, 3.1, 3.2, | Ideally - # of local governments using our website, resources, trainings, etc. to strengthen local programs | When the new land cover data are out, 2022 will be a big year for local engagement and capacity building, with much work needed 2023-2025 to apply the data to decision making |  |
| Legislative Engagement at State and Local Level: Policies and Ordinances | Partners developed the guide [Making your Community Forest Friendly: A Worksheet for Review of Municipal Codes and Ordinances](https://owl.cwp.org/mdocs-posts/making-your-community-forest-friendly-a-worksheet-for-review-of-municipal-codes-and-ordinances/), and offered recorded webinar and training at Summit. Important 2021 legislative efforts for tree canopy in Maryland in Virginia, and strengthening of DC tree regulations in prior years. | More partnership focus needed to assess and help strengthen state and local policies to maintain and expand tree canopy and provide sufficient staffing/resources for their implementation and/or enforcement. | 2.1, 2.2 | Implementation of new policy strategies/  recommendations  that emerge from the Funding & Policy Roundtable process and state-level efforts | Though some new policies will hopefully be adopted in the next 2 year window, change towards a more robust policy framework will likely take longer (2023-2025 and beyond) |  |
| Partner Coordination | Mostly occurring through Forestry Workgroup partners, though we advanced a few cross-outcome projects in prior workplan (local leadership, schools) | Need to keep growing collaboration with related outcomes/  workgroups (local leadership, diversity, stewardship, schools, climate etc.) and strengthen networks of partner coordination in each jurisdiction | 2.2, 3.1, 3.2, 3.3, 4.1, 4.4 | # of CBP cross-outcome projects that advance tree canopy; integration of tree canopy into other outcome efforts whenever relevant | Through cross—outcome projects in 2021-22 and beyond, we hope to see increased local and partner engagement in tree canopy efforts beyond our current limited network of urban forestry practitioners (e.g.underrepresented community groups, local govts, planners, schools, etc.) |  |
| Scientific and Technical Understanding: Technical Capacity and Knowledge | CBP tree canopy data now widely available and a variety of resources/tools through the Chesapeake Tree Canopy Network website | Need updated CBP land cover/land use data and change analysis that will quantify gains and losses and help guide future strategies; need data and tools to overlay tree canopy data with environmental justice and climate resilience priorities | 3.1, 3.2, 3.3, 3.4 | Tree canopy status and trends reports (Baywide and local fact sheets) and equity-related tools are easily accessible and widely used by local decision makers, practitioners, and advocates | Hope to see a marked increase in local engagement with tree canopy data/planning via use of these new resources by end of 2022 |  |
| Public and Landowner Engagement: Education and Outreach | Chesapeake Tree Canopy Network is ready platform for sharing education/ outreach resources; LLWG recent completion of Tree Canopy module within Chesapeake watershed curriculum for local governments | Need more training and capacity to effectively engage underrepresented community groups in tree equity efforts; need a well-defined communications/  outreach/  engagement strategy, informed by lessons learned from prior outreach initiatives; | 4.1, 4.2, 4.3, 4.4, 4.5, 4.6 | Increased # of partnership projects supporting community-based tree equity efforts; a set of well-informed recommendations for communication/  outreach strategies that we can share and implement in 2022-2025 cycle | This will be a longer-term process to engage communities over 2022-2025 but we will aim to support specific projects each year and apply the learning to future year efforts |  |
| Environmental Factors Challenging Tree Canopy progress: Population Growth (Development); Climate Change (storms, drought, etc.) Biota (pests, invasive species, etc.) Habitat Condition (poor soils, utility/infrastructure conflicts, etc. impacting urban tree plantings) | Most of these factors are difficult to manage with existing programs, though information resources and technical assistance providers within states are helpful | Need for a robust analysis of the new CBP land cover/change data to help us understand relative influence of various drivers of tree canopy loss (development, pests, storms, natural mortality, removals, etc.); need to synthesize best practices for addressing these challenges through the lens of climate resilience | 2.1, 3.2, 3.3, 3.4 | New data, tools and guidance that help local managers better respond to the array of threats to canopy and implement best practices to maintain and expand canopy | We aim to get several new resources out by end of 2022, with the intent that they will strengthen on the ground practices in 2023-2025 and beyond |  |

|  | ACTIONS – [2021-2022] | | | | |
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| Action # | Description | Performance Target(s) | Responsible Party (or Parties) | Geographic Location | Expected Timeline |
| Management Approach 1: Bolster Funding and Partnerships | | | | | |
| 1.1 | Implement state programs and grants to incentivize tree canopy progress | STATE TREE CANOPY LEADS: PLEASE SEND ME ANY EDITS BY 4/12:  1. DE – Implement state grant programs to assist communities with tree canopy expansion 2. DC – (1) Increase tree canopy through street tree and other public property plantings (2) Increase tree canopy on private properties through incentive programs, such as River smart Homes 3. MD – (1) Implement statewide urban and community forestry programs (Forest Conservation Act, Reforestation Law, and Roadside Tree Law) to maintain the net urban tree canopy statewide (2) Increase tree canopy through homeowner tree planting assistance programs such as the Marylanders Plant Trees coupon program and Lawn to Woodland program 4. PA – (1) Increase tree canopy through TreeVitalize tree planting, Urban Riparian Buffer, and Community Forestry Management grants (2) Engage Youth Conservation Corp to conduct inventories (3) Provide inventory and i-Tree training; assist communities with UTC assessments when high resolution data is available and use with inventory data to create management plans (4) Continue to support PA Tree Map (5) Turf to Trees/Pollinator Habitat Pilot project 5. VA – (1) Increase tree canopy on public and private properties through grants and incentive programs, such as Virginia Trees for Clean Water and when funds are available, Richmond Urban Tree Canopy Initiative (2) Continued development of the Virginia Tree Stewards which promote good tree care and increase tree planting in their areas of influence (3) The VA U&CF grant will include the opportunity to apply for urban tree canopy assessments 6. WV – Increase tree canopy through WV Project CommuniTree and Bay Trees grants and partnerships. Encourage municipalities to adopt TC goals and plans. Promote Mountaineer Treeways, Project Learning Tree, and US Forest Service Green Schools 7. NY - Implement state grant programs (such as NYSDEC’s Urban and Community Forestry Grant Program and Trees for Tributaries Program) to assist communities with tree canopy expansion | 1. DE FS, DNREC 2. DDOT, DOEE 3. MD FS, MSHA, local governments 4. PA DCNR, PSU 5. VA DOF, VA Urban Forest Council, Tree Steward Coordinator 6. WVDEP, WVDOF, Cacapon Institute 7. NYSDEC, Upper Susquehanna Coalition | 1. DE 2. DC 3. MD 4. PA 5. VA 6. WV | Ongoing |
| 1.2 | Provide guidance/case studies/best practices for local governments and partner organizations on how to strengthen funding and partnerships for Tree Canopy | 1. Work with LLWG and other partners to continue dissemination of Financing Guide, MOST Funding Course, and other best resources for local governments | Alliance for the CB/USFS/FWG/ LLWG/ Environmental Finance Center | Bay-wide | 1.Ongoing |
| 1.3 | Explore options for expanding Tree Canopy funding for diverse Chesapeake communities through leveraging federal, state, and private resources (e.g. work with Bay Funders Network) | 1. Convene a Funding and Policy Roundtable, engaging jurisdiction leadership, topic experts, and cross-sector partners with interest in tree co-benefits (climate, public health, equity, stormwater, etc.) 2. Prepare Briefing Papers on key topics for use in the Funding & Policy Roundtable and beyond. *Potential topics: Maintenance Investments, Innovative Financing Approaches (incl. State Revolving Funds, etc.), Leveraging Co-Benefits Funding (public health, climate resilience, community development, etc.)* 3. In conjunction with the CBP DEIJ Implementation plan and Roundtable, identify strategies to expand and focus the assistance available to support tree canopy efforts in underserved communities of color and low-income areas | USFS/FWG, with support from CBC, State leadership, ngos, etc.  2.USFS/FWG/ need contractor support  3.USFS/FWG/  Diversity WG | 1. Bay-wide  2. Bay-wide | 1.Spring 2022  2.Summer -Fall 2021  3.Summer 2021-Summer 2022 |
| Management Approach 2: Strengthen Policy and Ordinances | | | | | |
| 2.1 | Review state and local policies in place to support urban tree canopy and provide recommendations on best practices, model ordinances, etc. for Bay jurisdictions | 1. Prepare Issue Reports on key topics for use in the Funding & Policy Roundtable and beyond. *Potential topics: Tree Conservation Policy, Trees & Climate Resilience, Tree Equity Strategies* 2. Use Funding and Policy Roundtable findings and state-level strategy meetings to develop a set of recommendations for the Executive Council 3. Develop state-specific training materials with guidance on local tree canopy policy/ordinance options, as a supplement to LLWG Local Government Curriculum | 1. USFS/FWG/ need contractor support  2. FWG/CBP Management Board-need contractor support  3.USFS/FWG/  LLWG/Local Action Cohort -need contractor support |  | 1.Summer-Fall 2021  2.Spring-  Summer 2022  3.Summer 2021 |
| 2.2 | Work with stormwater program managers (federal/state/local) to better integrate urban tree canopy and riparian buffer goals with TMDL/WIP implementation and MS4 programs | 1. Collaborate with Chesapeake Stormwater Network (CSN) to expand use of urban tree BMPs by local stormwater managers and engineers and minimize urban tree removal 2. Coordinate with state TMDL/WIP and Stormwater Program Managers to encourage more urban tree BMPs in WIP implementation |  |  | 1.Ongoing  2.Ongoing |
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| Management Approach 3: Increase Technical Capacity and Knowledge | | | | | |
| 3.1 | Provide guidance, training, and technical assistance to help local governments and partners develop robust urban tree canopy implementation programs | 1. Convene biennial Tree Canopy Summit to engage urban forestry practitioners and cross-sector partners in best practices and innovative strategies 2. Collaborate with Local Leadership Workgroup to incorporate tree canopy strategies into GIT- funded workshop for land use planners | 1.USFS/FWG/  Alliance for the CB  2.USFS/FWG/  LLWG |  | 1.Summer-  Fall 2022  2.Fall 2021-  Spring 2022 |
| 3.2 | Support the development of Bay-wide high resolution UTC data updated regularly (e.g. every 5 years) to track progress/net gain; | 1. Assess and communicate Tree Canopy status & change (2013-2018) to stakeholders through i) a Bay-wide Summary Report and ii) local (county) fact sheets 2. Test and refine as needed the methodology for the Tree Canopy Indicator | 1.USFS/FWG/  USGS/Chesapeake  Conservancy-  Others TBD  2.USFS/FWG/  USGS |  | 1.Summer 2021-Spring 2022  2.Summer 2021-Spring 2022 |
| 3.3 | Develop and share data, tools and best practices for advancing tree equity  *(note: action modified from prior workplan to address current priorities)* | 1. Building on the CBP [Environmental Justice and Equity Dashboard](https://gis.chesapeakebay.net/diversity/dashboard/), synthesize and disseminate environmental justice and climate resilience-related datasets, tools and resources that can best support local tree equity initiatives 2. Explore opportunities with the Climate Resilience WG and Diversity WG to connect the change in high temperature extremes indicator with the tree canopy indicator. | 1.USFS/FWG/  USGS/NOAA/  Diversity WG  Climate Resiliency WG |  | 1.Summer-  Fall 2021 |
| 3.4 | Provide guidance and standards/best practices for tree planting and maintenance to improve long-term survival | 1. Develop a Trees & Climate Resilience technical guide 2. Continue to grow the network of “tree stewards” through new training programs in Maryland and Delaware and expansion of existing programs in other Bay states (USFS grant to Alliance for Chesapeake Bay and DE Forest Service) | 1.USFS/FWG-need contract support  2.Alliance for the CB, MD Forest Service, DE Forest Service |  | 1.Fall 2022  2.Ongoing |
| Management Approach 4: Expand Community Outreach and Education | | | | | |
| 4.1 | Work to facilitate greater local participation and engagement of underrepresented communities in tree canopy initiatives | 1. Work with Diversity Workgroup, LGAC, the Local Leadership Workgroup and other partners to connect underrepresented community groups with tree canopy-related resources, assistance, and engagement opportunities | 1.USFS/FWG/  Diversity WG/  LLWG/LGAC |  | 1.Ongoing |
| 4.2 | Use online tools/webinars/list serves to support ongoing training and information sharing in the urban forestry community of practice | 1. Maintain and strengthen the Chesapeake Tree Canopy Network and e-newsletter as our primary hub for resources and communication | 1.USFS/FWG/  Alliance for the CB |  | 1.Ongoing |
| 4.3 | Develop and pilot social marketing and other innovative outreach methods to broaden community engagement in urban tree canopy implementation | 1. Work with CBP Communications Team to compile lessons learned from tree planting initiatives and develop recommendations for future efforts | 1.USFS/FWG/CBP  Communications  Team-contract support TBD |  | 1.Summer-  Fall 2021 |
| 4.4 | Develop communication and outreach strategies targeted to diverse audiences, focusing on areas with greatest need and opportunity (e.g. low canopy/underserved communities; schools, faith-based, and other civic organizations; homeowner associations; etc.) | 1. Pursue DEIJ-focused training in community engagement best practices for urban forestry partners 2. Collaborate with CBP Local Leadership Workgroup on disseminating Tree Canopy module for watershed curriculum for local officials; develop supplemental state-specific resources 3. Work with Education Workgroup to refine and disseminate Trees and Schools Guide and to identify further training/resource needs for school-based tree canopy efforts | 1.USFS/FWG/  Diversity WG-need contract support  2.USFS/FWG/  LLWG  3.USFS/FWG/  Education WG |  | 1.Fall 2021  2.Summer 2021  3.Summer-  Fall 2021 |
| 4.5 | Continue to increase and promote the number of Arbor Day events and UTC education programs on DoD installations for military community awareness | 1. Host Arbor Day/Tree Planting events at select DoD installations, | DOD |  | Ongoing |
| 4.6 | Develop educational resources that expand the awareness, appreciation, planting and stewardship of fruit and nut trees within educational institutions, under-served communities, parks and other public lands | 1. Compile and feature resources and community stories on food forests/urban orchards on Chesapeake Tree Canopy Network website | USFS/FWG/  Alliance for the CB |  | Dec 2021 |
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