



Maryland
Department of
the Environment

Commission for the Innovation and Advancement of Carbon Markets and Sustainable Tree Plantings

January 5, 2022
Regular Meeting



Meeting Agenda

- **2:00-2:10pm** - Welcome from the Chair
- **2:10-2:20pm** - Introduction of Tree Grower and Carbon Market leads
- **2:20-2:45pm** - Introduction of Commission members
- **2:45-3:00pm** - Commission charge and context
- **3:00-3:10pm** - Commission work plan and timeline
- **3:10-3:25pm** - Open discussion and questions
- **3:25-3:30pm** - Public comment period



Commission Goals

1. Grow 5 million native trees by 2030
2. Build Carbon Markets
3. Advance Equity
4. Ensure that trees optimize
 - Environmental
 - Economic
 - Social Benefits





Implementation Leads

- **Maryland Department of the Environment**
 - Tracking, program coordination, and accounting
 - Staff Commission
- **Maryland Department of Natural Resources**
 - Technical assistance tree planting/management
 - 13 new contractor positions and expanded program funding
- **Maryland Department of Agriculture**
 - Manage one-time \$1000 per acre bonus for landowners who enroll forested streamside buffers via CREP
- **Chesapeake Bay Trust**
 - Development and management of new Urban Trees Program



Commission Membership

Membership	Representative
Maryland Department of the Environment (<i>Chair</i>)	Secretary Ben Grumbles (Asst Sec. Dr. Suzanne Dorsey)
Maryland Department of Natural Resources	Secretary Jeannie Haddaway-Riccio (Asst Sec. Phil Hager)
Maryland Department of Agriculture	Secretary Joe Bartenfelder (Asst Sec. Hans Schmidt)
State Treasurer	Treasurer Dereck Davis or their designee
Maryland Association of Counties	David V. Lykens, Director of Baltimore County Department of Environmental Protection and Sustainability
Maryland Municipal League	Angelica Bailey, Legislative Director
Commission on Environmental Justice and Sustainable Communities	Camille Burke, Commission Chair
Chesapeake Bay Foundation	Josh Kurtz, Maryland Executive Director
Maryland League of Conservation Voters	Kim Coble, Executive Director
Blue Water Baltimore	Darin Crew, Senior Manager of Operations
Maryland Chapter of The Nature Conservancy	Dr. Deborah Landau, Director of Ecological Management
Maryland Farm Bureau	Colby Ferguson, Director of Government & Public Relations
University of Maryland, College Park	Dr. Joseph Sullivan, Professor and Associate Dean, College of Agriculture & Natural Resources
Patapsco Heritage Greenway	Dr. Mark Southerland, President of the Board
Maryland Forestry Foundation	Gary Allen, President



Core Charges

1. A plan to support the State's carbon mitigation goal of planting **5 million native trees by 2030**;
2. A plan to ensure that trees planted under this Act are **managed**;
3. Recommendations regarding a **carbon market** to support the State's tree-planting goals; and
4. Recommendations on reviewing State policies to reduce and **mitigate the clearing of trees** during the construction of State highways and other transportation projects.



Statewide Connections

- Greenhouse Gas Reduction Act Plan and Inventory
- Maryland Commission on Climate Change
- Chesapeake Bay Program goals
- Commission on Environmental Justice and Sustainable Communities



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The Greenhouse Gas Emissions Reduction Act

2030 GGRA Plan

**MARYLAND
COMMISSION
ON CLIMATE
CHANGE**

*2021 Annual Report
and Building Energy
Transition Plan*

A report to Governor
Larry Hogan and the Maryland
General Assembly with
recommendations for reducing
greenhouse gas emissions and
preparing for and adapting to the
impacts of climate change

**Maryland's Phase III
Watershed Implementation Plan to
Restore Chesapeake Bay by 2025**

Final Document | August 23, 2019

Annual Report 2021

**Maryland Commission on Environmental Justice and
Sustainable Communities**



Draft Work Plan and Timeline (Meetings on Fridays – 2-3:30pm)

- **February 11**
 - MDA and DNR Implementation Strategies
- **March 11**
 - CBT Urban Tree Growing Plan
- **April 8**
 - MDE Tree Accounting and Quantifying Carbon
- **April 12 - End of Legislative Session**
- **May 6**
 - MDE and Invited Speakers: Intro to Carbon Markets and the role of the State
- **May 27**
 - MDE and Invited Speakers:
 - Private financing
 - Clean Water Commerce Act
 - Water Quality Revolving Loan Fund
 - Environmental Impact Bonds
- **June 17**
 - MDOT and DNR:
 - Tree mitigation for transportation projects



Draft Work Plan and Timeline (Meetings on Fridays – 2-3:30pm)

- **July 8**
 - Progress reports from all agencies
 - Key challenges: long-term tree maintenance
- **July 29**
 - Progress reports from all agencies
 - Key challenges: nursery stock or other logistical barriers
- **August 19**
 - Progress reports from all agencies
 - Key challenges: other policy barriers
- **September 9**
 - Walk through and discuss sections of draft report
- **September 30**
 - Walk through and discuss sections of draft report
- **October 10 - Final Report Distributed**
- **October 21**
 - Vote on final report

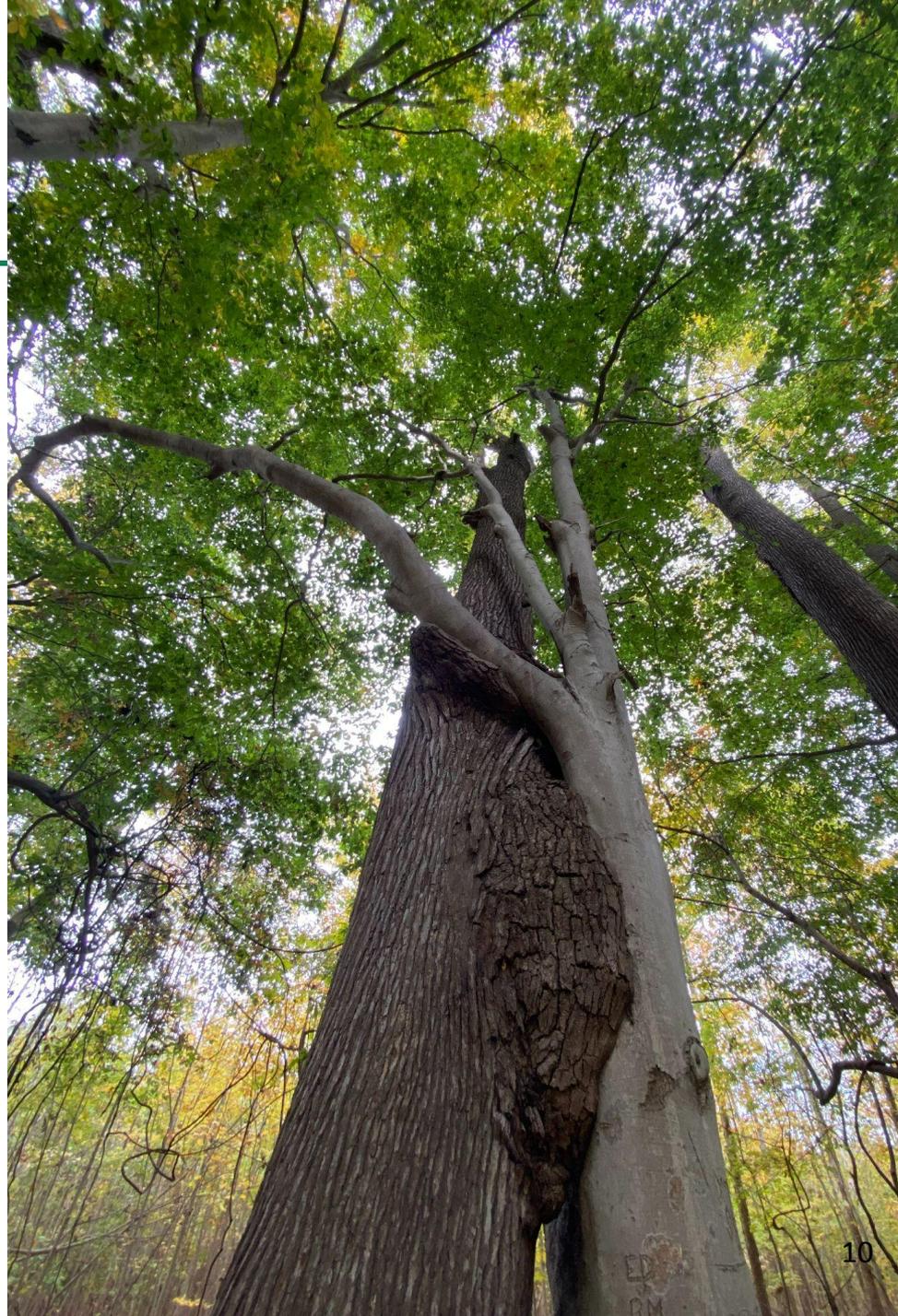
September 1 - Finish Draft Report

**October 30 - Submit Final Report
to General Assembly and
Governor's Office**



Shared Commitments

- Full engagement at all regular meetings
- Content and materials for advanced review
- Venue for sharing expertise and experience
- Open invitation to engage coordinating staff and implementing agencies in between meetings

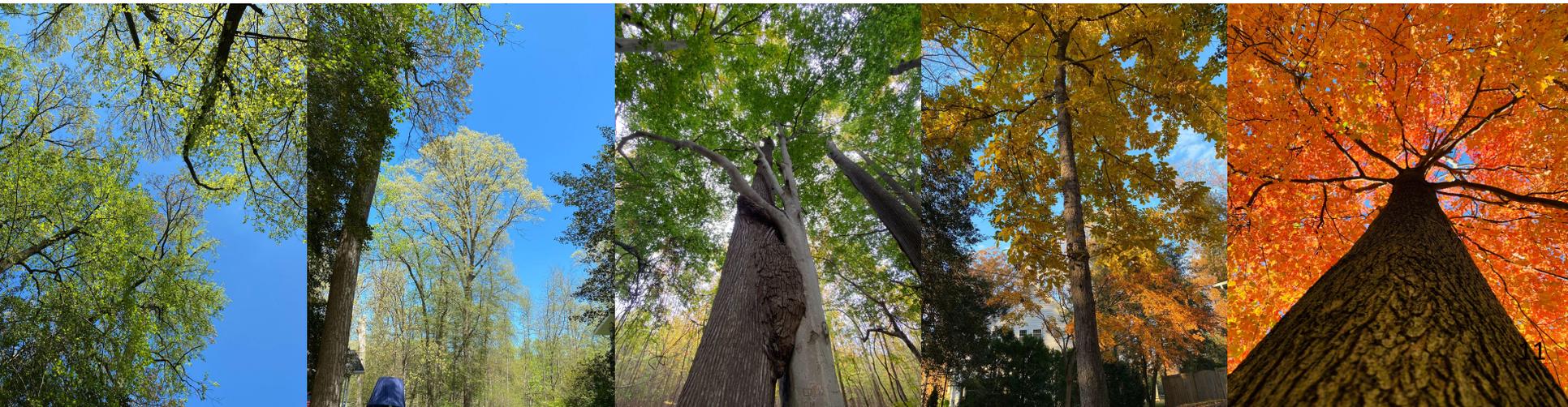




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Questions and Discussion

Commission Members and Implementation Leads





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Public Comment Period

Please add name and affiliation in the chat box and we will take comments in the order received.



Staff Contact

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MDSG State Science Policy Fellow

Climate Change Program

Maryland Department of the Environment

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Supporting Considerations

- science–based guidelines to maximize co-benefits
- potential planting sites, including impact on private land and related ecological services
- strategy for ensuring that at least 500,000 trees are planted in underserved areas
- list of native tree species
- review of existing programs and current resource capacity for tree plantings
- plan for expanding or creating new capacities necessary to achieve goals
- analysis of trees scheduled to be cut down and the impact on carbon sequestration
- overview and analysis of logistical and policy barriers to achieving the goals
- plan for seeking private capital to support tree plantings and forest conservation
- plan for establishing a State–based carbon offset market
- potential policy changes to facilitate use of Water Quality Revolving Loan Fund and Environmental Impact Bonds
- plan for reviewing future transportation procurement to minimize and fully mitigate tree clearing