

# Annapolis Environmental Commission

## Comprehensive Plan Summit

February 26, 2020

# Comprehensive Plan Purpose

Land Use Vision to Guide  
Development and Redevelopment

# 2009 Comprehensive Plan Elements

- Land Use and Economic Development
- Transportation
- Municipal Growth and Community Facilities
- Parks
- Environment
- Housing
- Water Resources- drinking, wastewater, stormwater
- Implementation

## 2009 ENVIRONMENT VISION

The vision of Annapolis as a “Green” City.....

....protect the community’s natural resources – shorelines, forested areas, creeks, and other natural areas.

.... new patterns and habits of building and living that seek to reduce our carbon emissions and energy use.

.....boosting parks, recreational offerings and cultural offerings; expanding options to walk, bike or take transit instead of driving; enabling people to live and work in the city; and having a variety of economic services in proximity to neighborhoods.

*Annapolis Comprehensive Plan 2009, Chapter 7 - Environment*

# 2009 ENV Goals and Recommendations

- Goals:
  - Protect the Bay; Shrink Carbon Footprint; Protect Env. Sensitive Areas
- Recommendations:
  - Reduce stormwater pollution
  - Protect and restore env sensitive areas
  - Shrink carbon footprint and become community of green buildings to combat climate change
  - Improve community environmental stewardship and education
  - Minimize noise and light pollution

# 2009 Environmental Elements

- Water Resources:
  - Protect and conserve existing water supply- reduce water use
  - Enhance wastewater systems
  - Maintain water resource areas- limit recreational use
- Land Use:
  - Evaluate risks from sea level rise in decision involving land use along waterfront
- Parks:
  - Protect natural environment

# Measuring Progress

- Reduce stormwater pollution
  - Stormwater Policy- treat 100% redev and 125% new sites
  - Watershed Implementation Plan
- Protect and restore environmentally sensitive areas
  - FCA- no net loss (over 40,000 sq. ft.)
  - Tree Canopy Protection- smaller lots
  - Critical Area- FCA applies on split lots
  - Restoration- Spa Creek, St. Lukes, Back Creek, St. Mary's
- Shrink carbon footprint and become community of green buildings to combat climate change
  - Solar Park, GHG Inventory
- Improve community environmental stewardship and education
- Minimize noise and light pollution

# Climate Goals and Tracking

## • Climate Goals

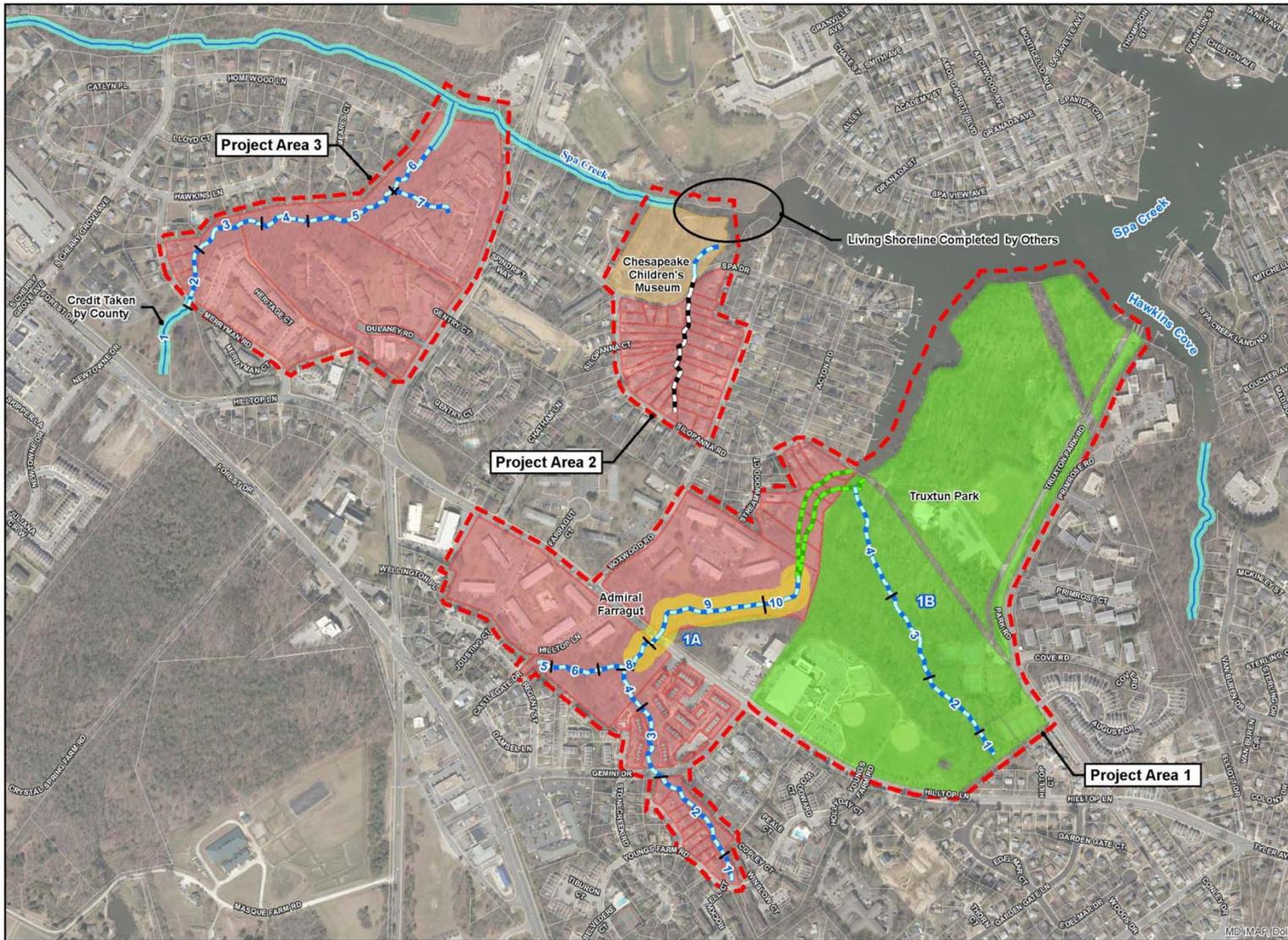
- 10% reduction for city government emissions; 15% reduction by 2020 (from 2006 baseline)
  - Source: City of Annapolis Department of Neighborhoods and Environmental Programs (DNEP), “The Energy Consumption and Greenhouse Gas Emissions of the Facilities and Operations of the City of Annapolis in Fiscal Year 2006” and City Council of the City of Annapolis Resolution 38-06 (9/11/06)
- 25% reduction of community-wide emissions by 2012; 50% reduction for city government emissions by 2012 (from 2006 baseline)
  - Source: DNEP, “Sustainable Annapolis, Community Action Plan” (May 2010)
- Reduce greenhouse gas pollution in accordance with the Paris Climate Accord – limit temp rise 1.5°C
  - No specific Annapolis target listed
  - US goal had been 26-28% reduction by 2025 (2005 baseline)
  - Source: City Council of the City of Annapolis Resolution 22-17 (July 2017)

## Tracking Progress

- 2006
  - Inventory of city government emissions
- 2008
  - Inventory of community-wide emissions
- 2010
  - Climate action plan
- 2020 -- Ongoing
  - Inventory of city government emissions
  - Review of data needs and tracking requirements to make recommendations for easier and more frequent updates and tracking
  - As part of Comp Plan – clarify GHG reduction targets

# In Progress

- Restoration Projects
  - Green Vest- stream restorations Spa Creek, Back Creek
  - SPCA
- Tree Canopy Assessment
- Resiliency Roadmap
  - City Dock plan
  - GHG Inventory



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### Spa Creek Watershed Improvement Project

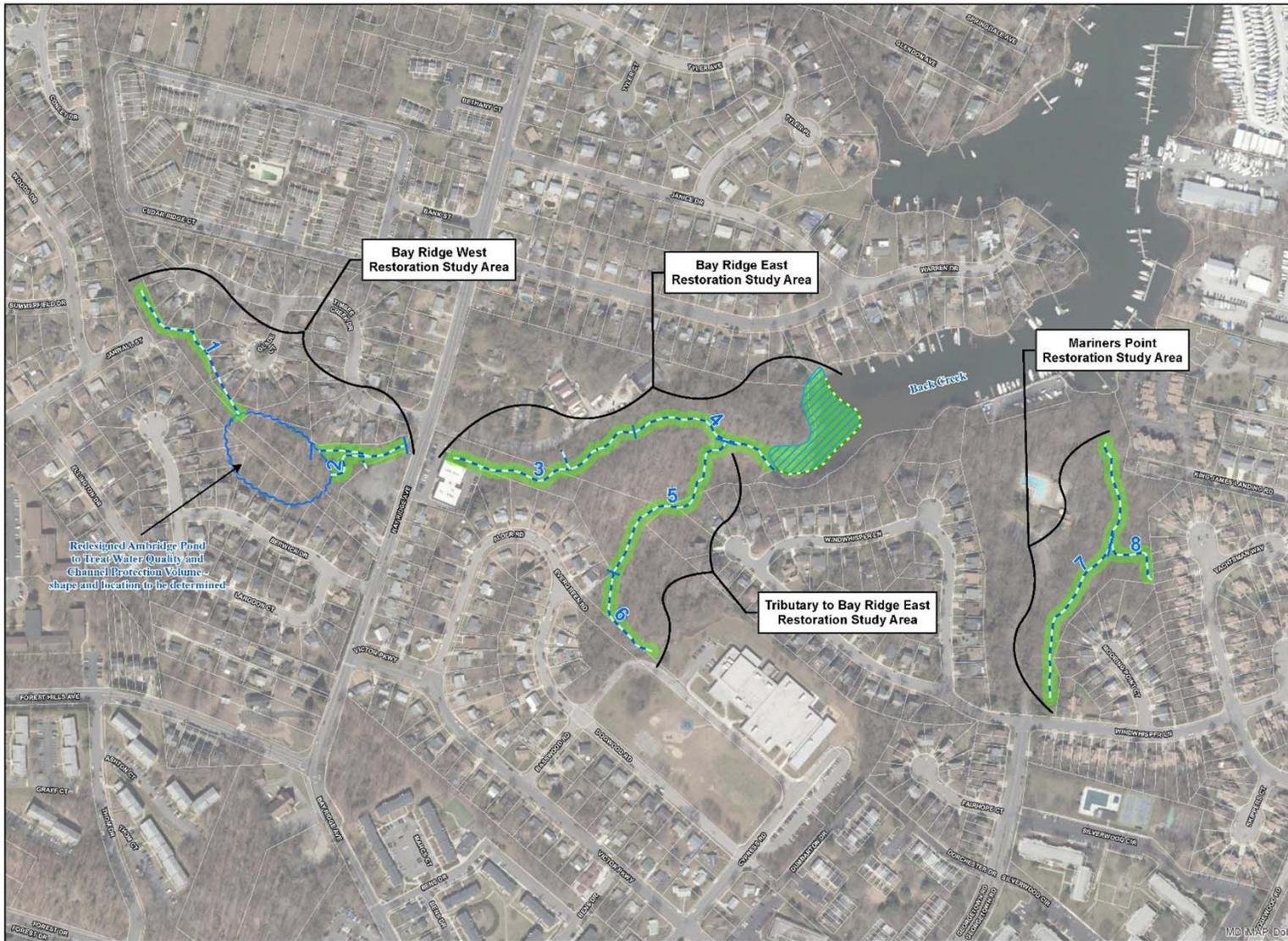
City of Annapolis  
MS4 Compliance Program

- Reach Break
- Potential Restoration**
  - Stream Stabilization/Culvert (884 LF)
  - Stream Restoration (6,997 LF)
  - Potential Living Shoreline (2,084 LF)
- - - Project Limits
- Area of Stream Restored by Others
- H+S Study - Admiral Farragut Project (1,131 LF)
- City Owned
- Parks & Rec Owned
- Privately Owned



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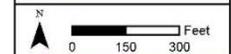
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**Back Creek Watershed Improvement Project**

City of Annapolis  
MS4 Compliance Program

- Potential Stream Restoration (4,520 LF)
- Potential Living Shoreline (550 LF)
- Potential Shoreline Restoration (46,380 SF)
- Reach Breakline
- Restoration Study Area



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# 2020 Comprehensive Plan Visions

1. Quality of Life and Sustainability thru **stewardship of land, water, and air.**
2. Growth concentrated in existing population and business centers.
3. Community design- compact, mixed use, walkable design consistent with community character, located near transit to ensure **efficient use of land and transportation**
4. Growth areas have **water resources and infrastructure to accommodate population and business expansion** in orderly, efficient and environmentally sustainable manner.
5. **Land and water resources and Chesapeake Bay are carefully managed to restore and maintain healthy air, water, natural systems and living systems.**
6. **Waterways, forests, open space, natural systems and scenic areas are conserved.**
7. Govt., business, residents are responsible for creating sustainable communities by **balancing efficient growth with resource protection.**
8. Implementation- strategies, policies, programs and funding for growth , developemnt, resource conservation, infra and transportation

# 2020 Comprehensive Plan Elements

- Trends, Data, Demographics
- Municipal and Economic Growth Element
  - Development Regulations Element
- **Adaptation and Resilience**
- Water Resources Element
- Environment and Sustainability
- Housing
- Transportation
- Parks and Community Facilities
- Land Use
- Implementation

# AEC Suggestions – Goals & Strategies

**GOALS:** Deliver clean water for recreation and aquatic life by meeting stormwater reduction goals

Meet Total Maximum Daily Load, TMDL, and Annapolis Watershed Implementation Plan

## **Strategies:**

- Stormwater practices that reflect current and ten-year projected rainfall frequency and intensity that has increased due to climate change.
- Require treatment of 100% of redev sites; 125% new sites.
- Green Infra practices- green roofs, rain gardens, rain barrels, permeable pavement/sidewalks
- Improve permitting of environmental restoration projects.

# AEC Suggestions – Goals & Strategies

## **GOAL: Preserve and connect habitat and green, open spaces**

- **Strategy:** develop and adopt Annapolis Greenway Plan to connect green spaces, forests, tree canopy to guide voluntary conservation of certain lots and to guide where development should best be sited on certain lots
- **Strategy:** open space in new and re-development

## **GOAL: Meet Tree canopy goal of 50% by 2036**

- **Strategy:** adopt or use authority to preserve trees in critical area

## **GOAL: Climate resilient drinking water, stormwater and wastewater systems**

- **Strategy:** evaluate risks to land, developed areas, and water infrastructure from sea level rise. Identify funding/financing and implement mitigation measures.

NOW WE WANT TO HEAR FROM  
YOU

# Next Steps

- March 4- AEC meeting – work session on Comp Plan
  - 7:00-9:00 PM – Gorman 3<sup>rd</sup> Floor
- April 30 – Public Input Meeting- Planning Dept.
- Send input to:
  - bevinbuch5@gmail
  - michaelgiblin723@comcast.net