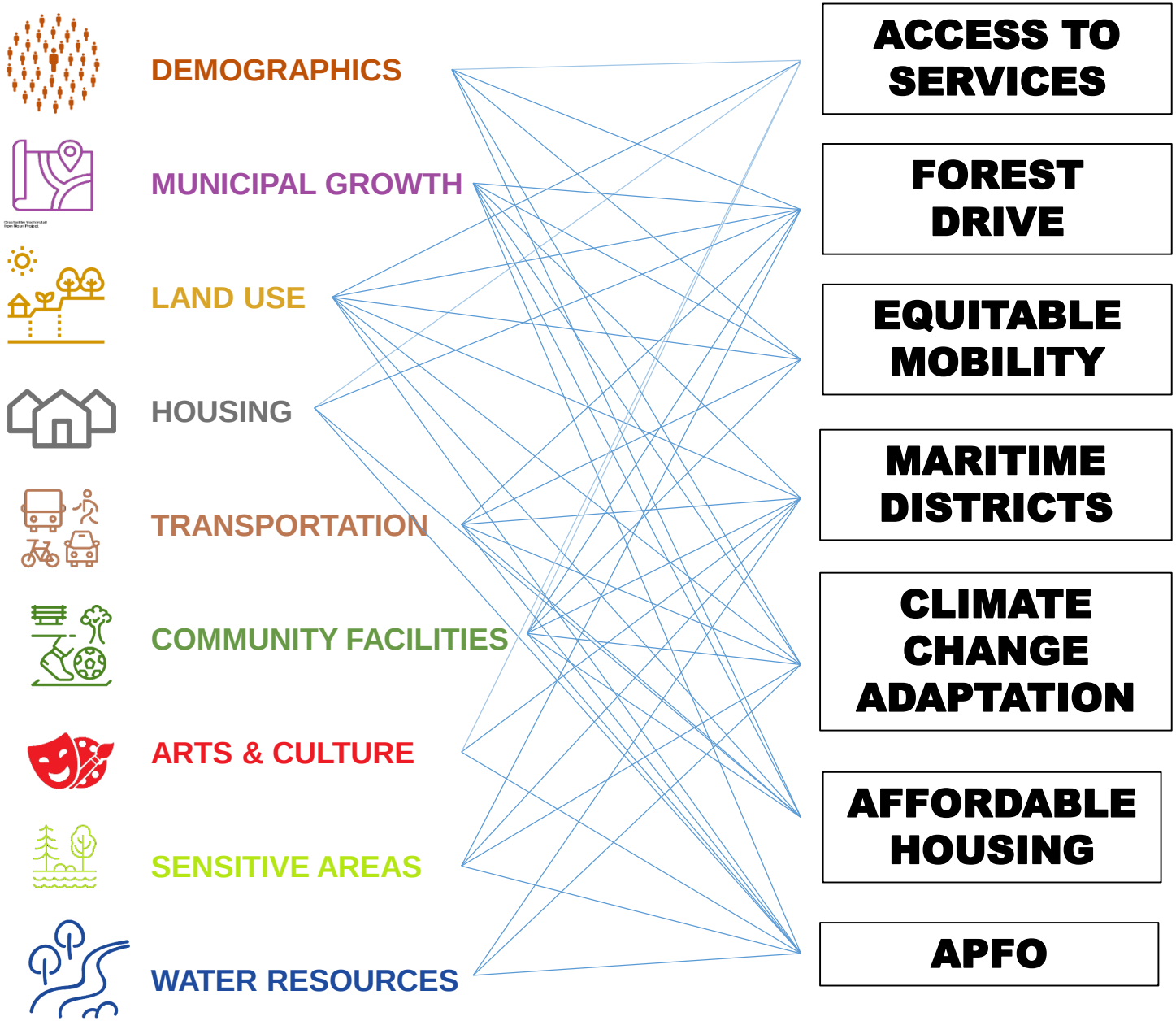
COMPREHENSIVE PLAN WORK SESSION

Environmental Matters Committee

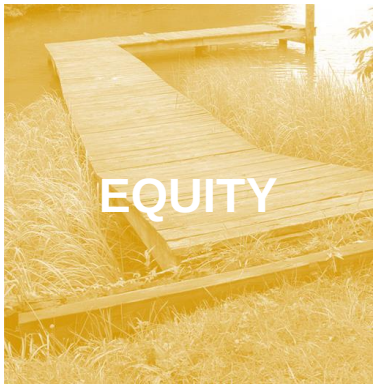
April 21, 2021

Annapolis Ahead
ANNAPOLIS COMPREHENSIVE PLAN 2040

ANNAPOLIS AHEAD



GUIDING PRINCIPLES



How can we ensure that all Annapolitans have equitable access to our public amenities?

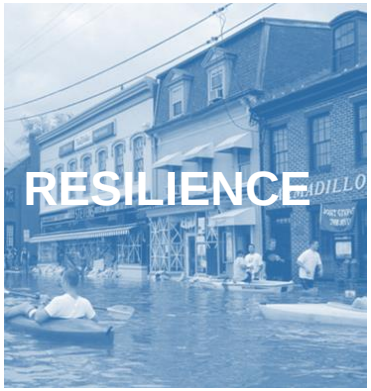
THRIVING CITY

1. Housing Affordability
2. Enhanced Neighborhood Character
3. Inclusive Economic Growth
4. Compact and Connected Development
5. Improved Health Outcomes

How can we ensure that our health is improved by our surrounding environment ?

FUNCTIONAL CITY

1. Bicycle and Pedestrian Connectivity
2. Improved Access to Community Services
3. Enhanced public realm
4. Equitable Access to the Waterfront
5. Robust creative economy



How can we better prepare for, respond to, and adapt to more frequent turbulent events?

ADAPTIVE CITY

1. Preserved and restored environmental assets
2. Minimized carbon footprint
3. Improved water quality
4. Adaptation to increased flooding and heat impacts
5. Strengthened and diversified economic drivers

VISION FRAMEWORK

THRIVING CITY

1. Demographics
2. Municipal Growth
3. Land Use
4. Housing

FUNCTIONAL CITY

5. Transportation
6. Community Facilities
7. Arts & Culture

ADAPTIVE CITY

8. Sensitive Areas
9. Water Resources

GOALS

METRICS

RECOMMENDATIONS

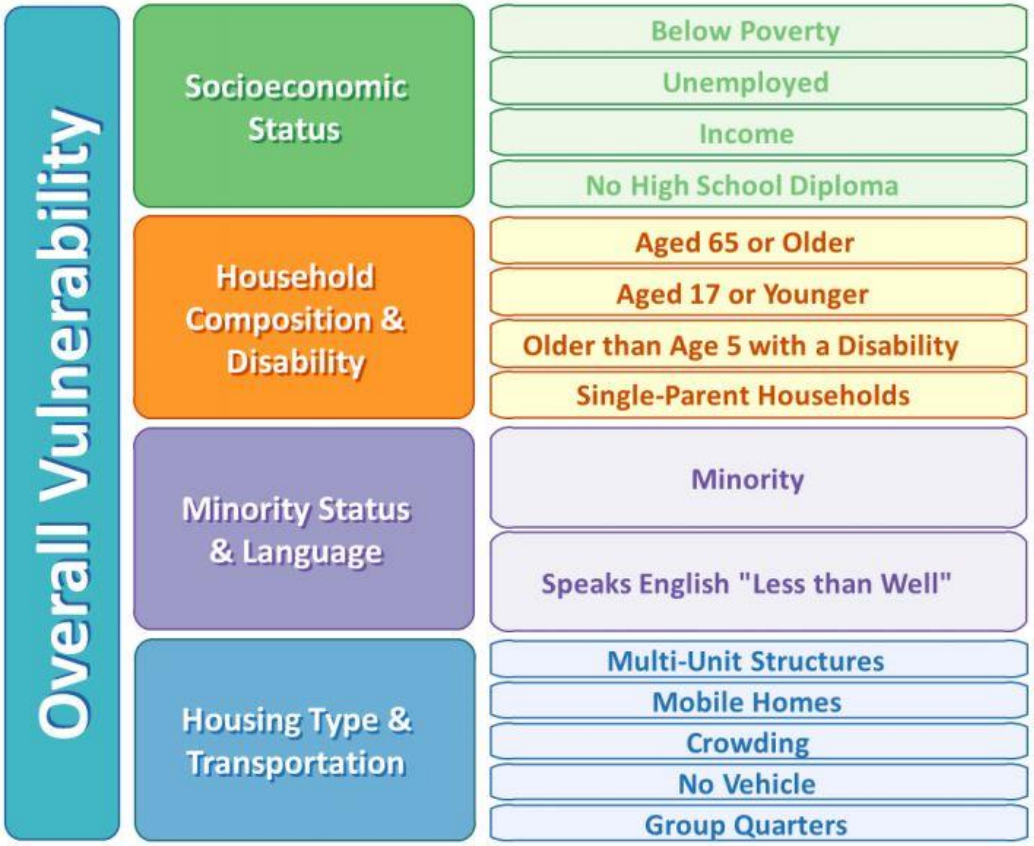
THE THRIVING CITY

PRINCIPLES

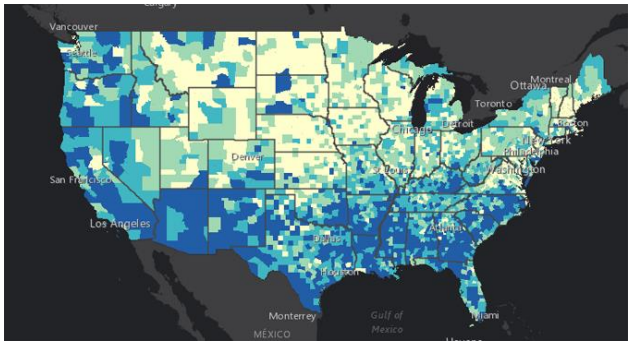
- **Housing Affordability** - expand the range of housing choices that are accessible both in terms of geography and affordability, and are responsive to the needs of renters and owners of low to middle income
- **Improved health outcomes** - reducing disparities in premature mortality and levels of fitness and nutrition by neighborhood
- **Enhanced neighborhood character** - context-sensitive neighborhood-serving development that reduces blight and physical incongruity while fostering visual harmony and cohesion
- **Inclusive economic growth** - maintain employment growth at a healthy rate locally in the context of the region and nation, and that increases wages in low-wage occupations
- **Compact and connected growth** - prioritize mixed-uses, connections between adjacent parcels, and shared parking solutions to maximize the proximity of residents to services, leverage infill development opportunities, and minimize negative impacts to sensitive areas.

DEMOGRAPHICS

SOCIALLY VULNERABLE POPULATIONS



Center for Disease Control - Social Vulnerability Index

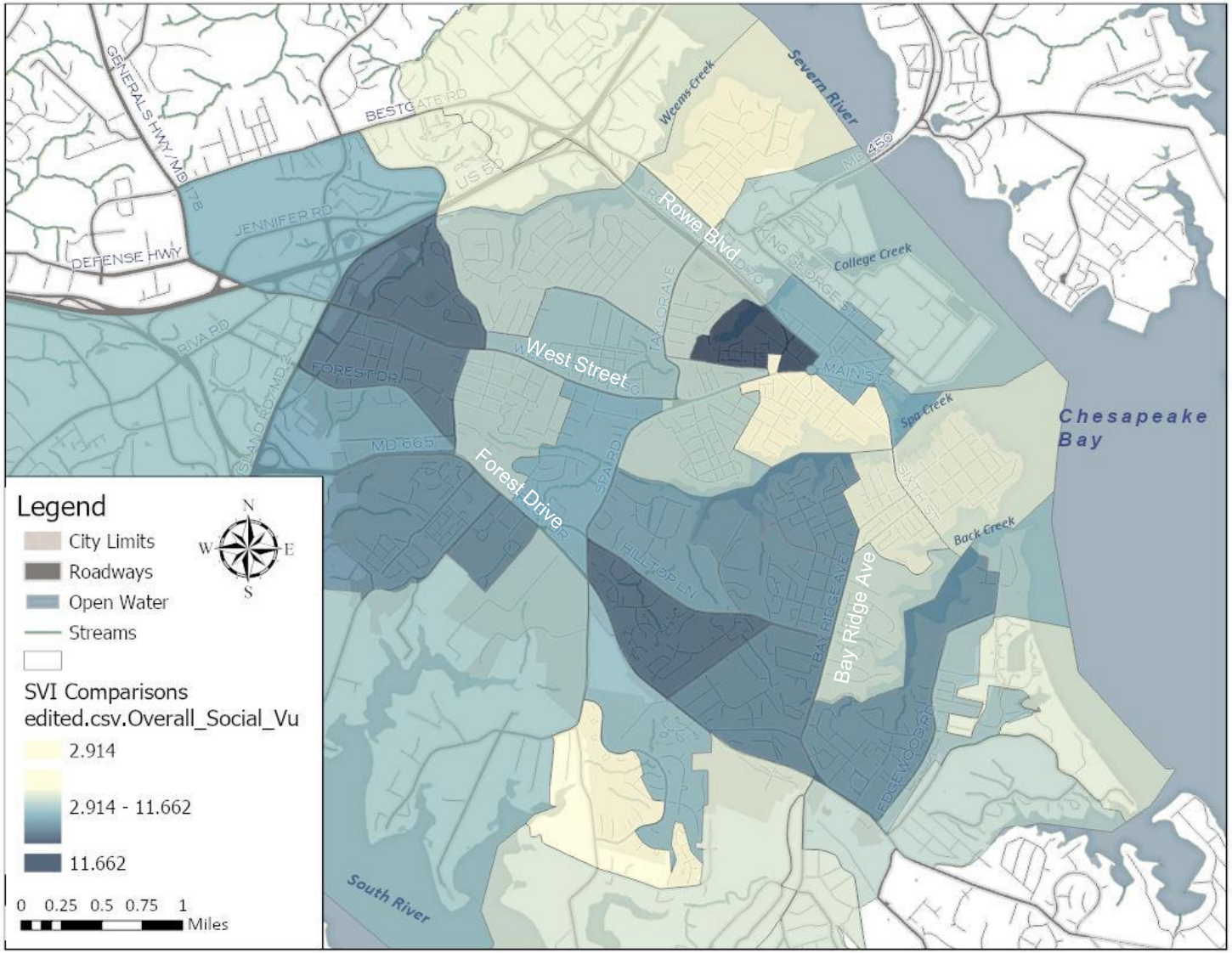


What is Social Vulnerability?

"Every community must prepare for and respond to hazardous events, whether a natural disaster like a tornado or a disease outbreak, or an anthropogenic event such as a harmful chemical spill. The degree to which a community exhibits certain social conditions, including high poverty, low percentage of vehicle access, or crowded households, may affect that community's ability to prevent human suffering and financial loss in the event of disaster. These factors describe a community's social vulnerability."

DEMOGRAPHICS

SOCIAL VULNERABILITY



Created by Vectorstall
from Noun Project

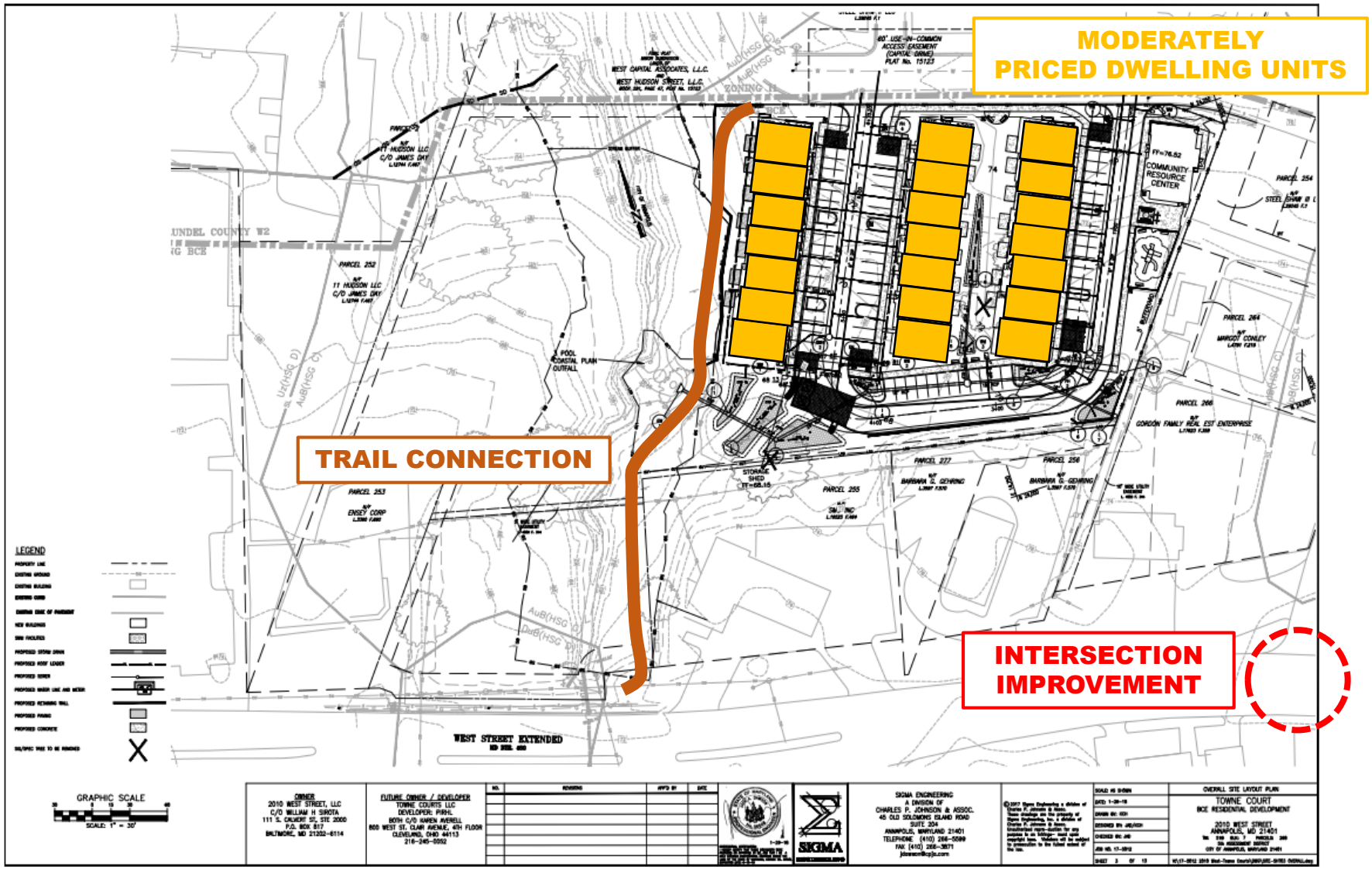
MUNICIPAL GROWTH

Where and How do We Want to Grow?

MUNICIPAL GROWTH

Created by Wentworth from Noun Project

Towne Courts development as a model for infill growth



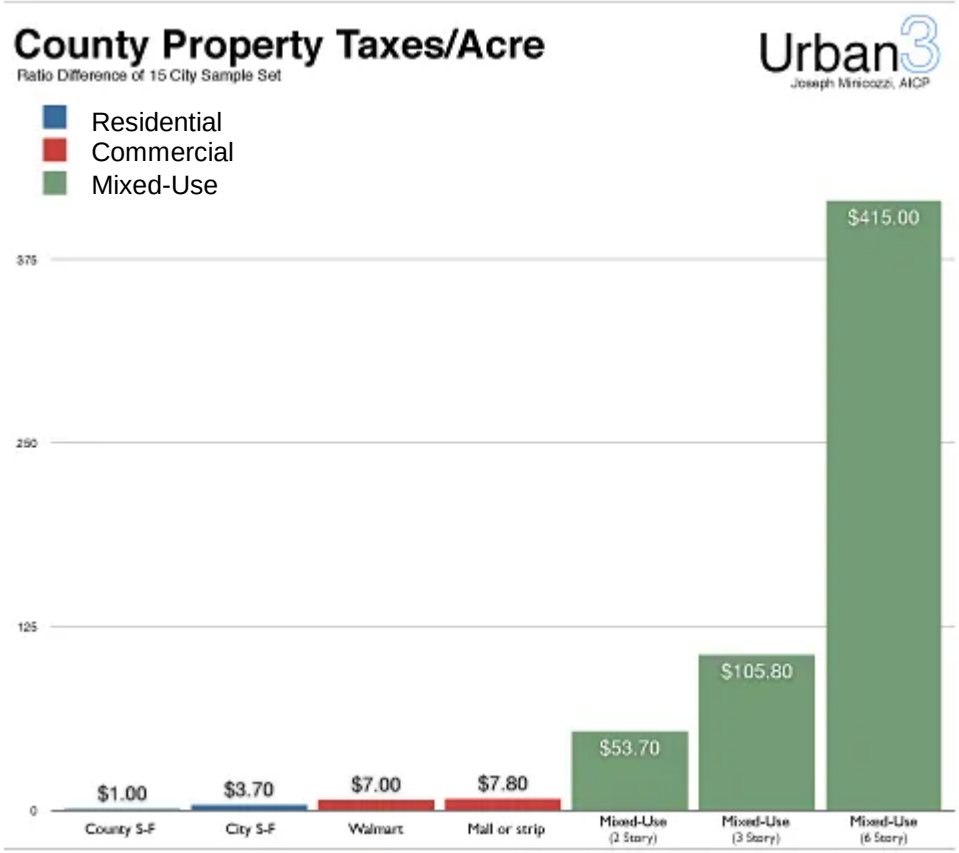
MUNICIPAL GROWTH

"SMART MATH OF MIXED-USE"

	ASHEVILLE WALMART	DOWNTOWN MIXED-USE
Land Consumed (acres):	34.0	00.2
Total Property Taxes per Acre:	$6,500	$634,000
Retail Taxes* per Acre to City:	$47,500	$ 83,600
Residents per Acre:	0.0	90.0
Jobs per Acre:	5.9	73.7

*Estimated from public reports of annual sales per sq.ft..

Urban3
Joseph Minicozzi, AICP
Joe@urban-three.com



Average county property tax/acre ratio across sample set of 15 different cities from Montana to Florida.

MUNICIPAL GROWTH

GOAL 1

Grow in a way that assures public facilities and infrastructure remain adequately sized and equipped to deliver exceptional service to existing residents, institutions, and businesses.

GOAL 2

Within the designated growth area, promote exceptional development that addresses the city's planning goals and, in particular, contributes to the creation of good paying jobs and the fiscal strength of the city.

GOAL 3

The city's planned growth in the number of households will prioritize increasing workforce and affordable housing.

GOAL 4

Prioritize growth through strategic infill development opportunities that will better connect residents to retail, services, and amenities.

GOAL 1

Grow in a way that assures public facilities and infrastructure remain adequately sized and equipped to deliver exceptional service to existing residents, institutions, and businesses.

PERFORMANCE METRIC:

- The *levels of service* documented in the fiscal impact studies supporting this Comprehensive Plan are not reduced over time but instead kept the same or improved.

RECOMMENDED ACTIONS:

1. Implement APFO especially for parks and neighborhood parks especially.
2. Expand parks and public open spaces and ensure any major land use proposals incorporate open spaces and trails that can help link together the City's public amenities.
3. Maintain disciplined plans for the allocation of water and sewer connections in keeping with State of Maryland MDE regulations and guidelines (see Chapter 5: Community Facilities).
4. The City will extend no facilities or services to any property without annexation. However, on a case-by-case basis, the City may consider a pre-annexation agreement – a contract requiring the owner to annex when the City is ready to do so.

GOAL 2

Within the designated growth area, promote exceptional development that addresses the city's planning goals and, in particular, contributes to the creation of good paying jobs and the fiscal strength of the city.

PERFORMANCE METRIC:

- Any redevelopment plans for properties annexed into the City will be reviewed and approved by the Planning Commission and be found consistent with this Comprehensive Plan.
- Each annexation approved by the City will be found to make a net positive fiscal impact to the City.

RECOMMENDED ACTIONS:

1. Apply the recommended land use plan designation and appropriate mixed use zoning to each annexation as provided for in the Land Use Chapter.
2. Require that development proposals in the growth area protect and/or restore sensitive areas like forests, stream buffers, and wetlands and where possible incorporate these resource areas into the planned Annapolis Greenway discussed in this Plan.
3. Conduct fiscal impact studies of each proposed annexation.

GOAL 3

Growth in the number of households will prioritize increasing workforce and affordable housing.

PERFORMANCE METRIC:

- The affordable housing performance measures included in Chapter 3: Housing will be achieved.

RECOMMENDED ACTIONS:

GOAL 4

Prioritize growth through strategic infill development opportunities that will better connect residents to retail, services, and amenities.

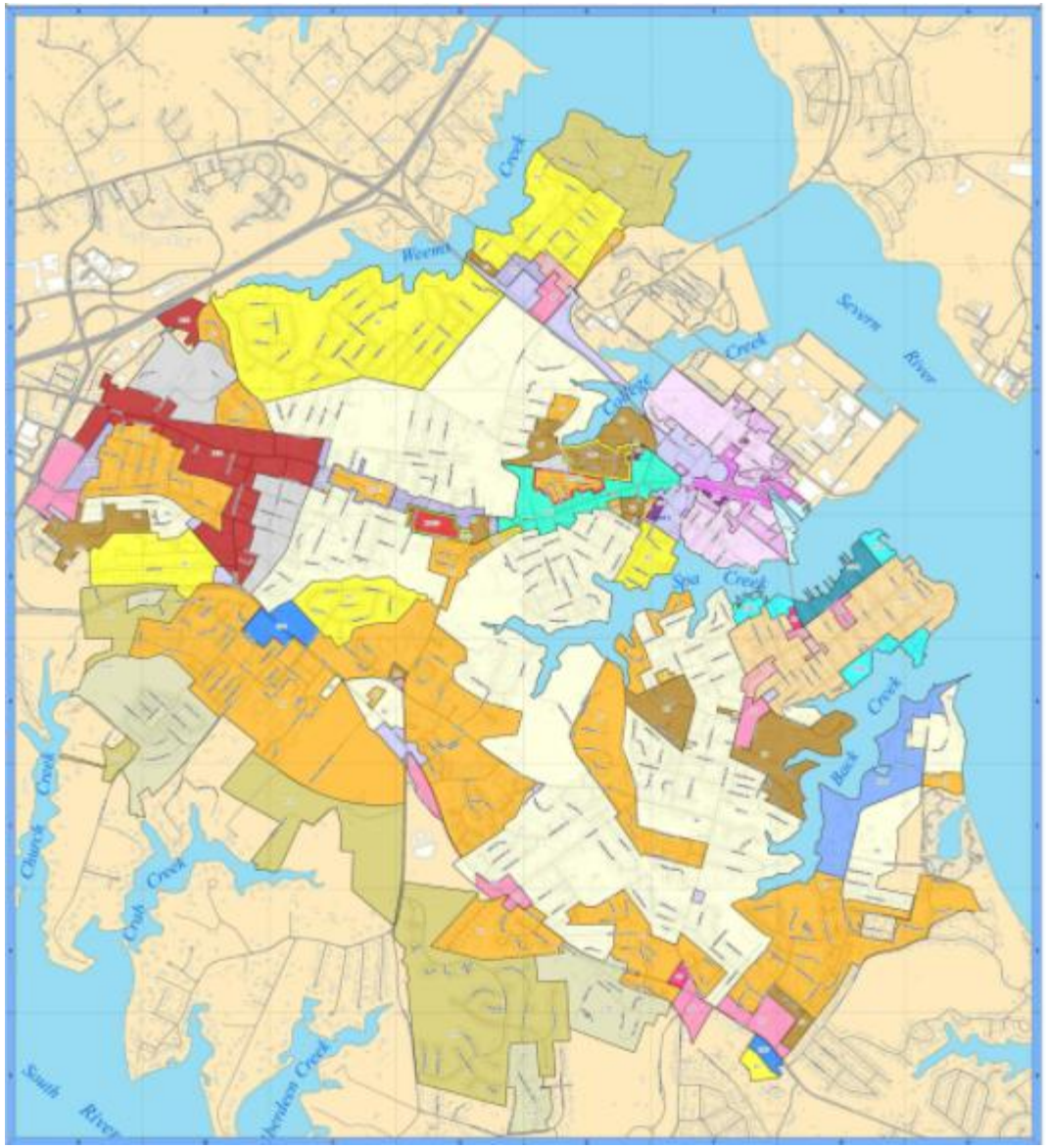
PERFORMANCE METRIC:

RECOMMENDED ACTIONS:

LAND USE

LAND USE

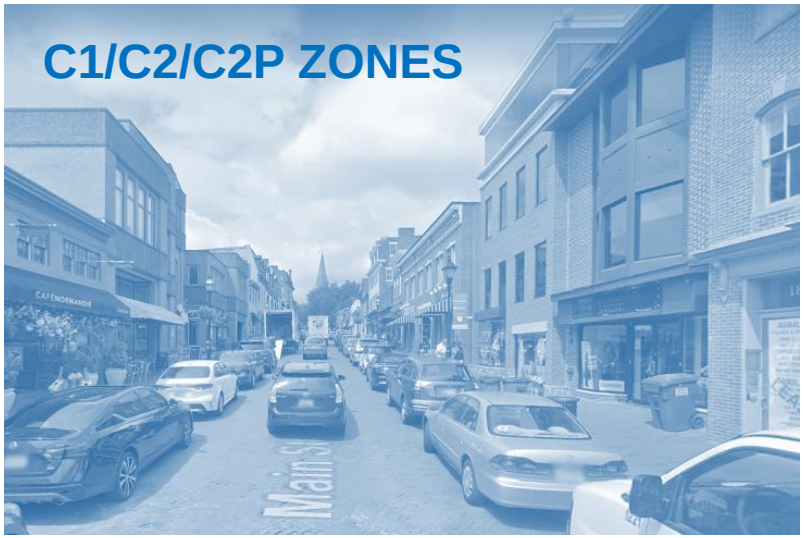
CURRENT ZONING MAP



- B1
- B2
- B3
- B3-CD
- BCE
- BR
- MX
- P
- PM
- PM2
- I1
- C1
- C1A
- C2
- C2A
- C2P
- WMC
- WME
- WMI
- WMM
- R1
- R1A
- R1B
- R2
- R2-NC
- R3
- R3-NC
- R3-NC2
- R3-R
- R4
- R4-R

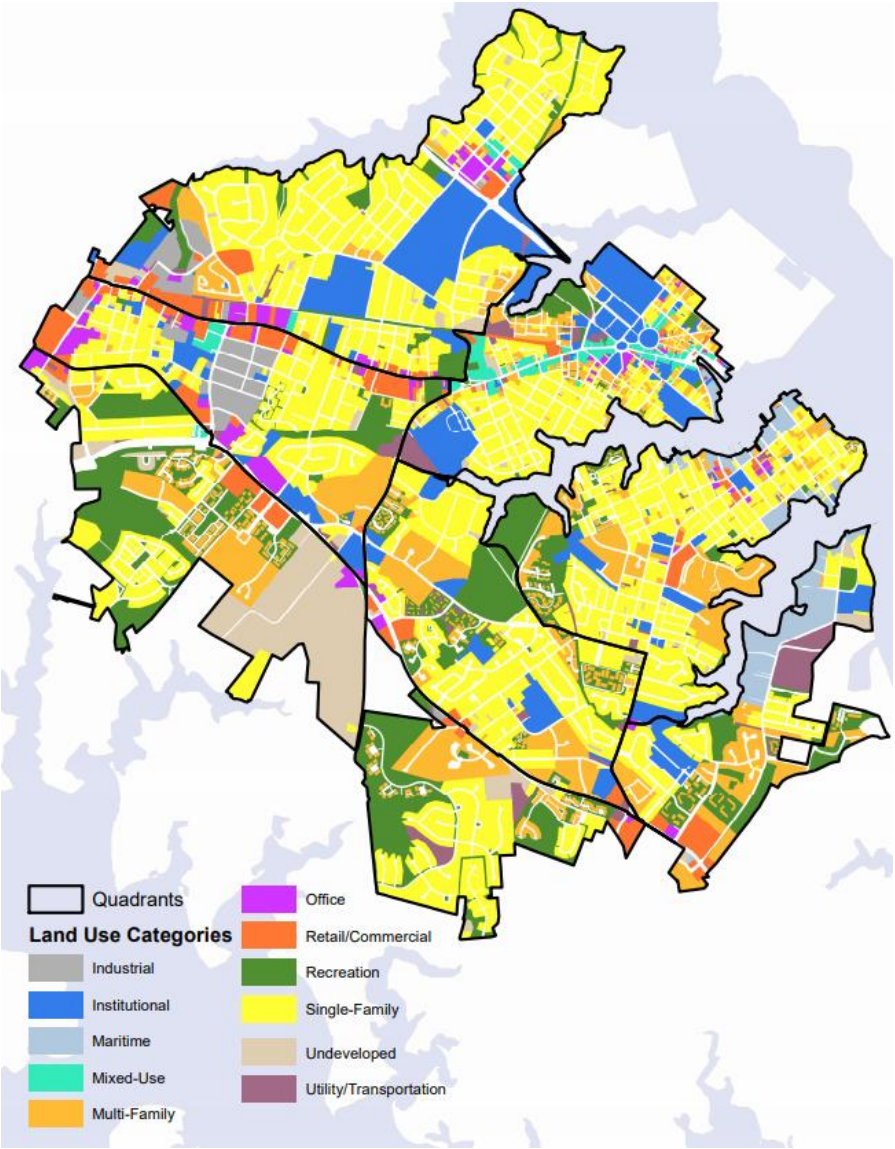
LAND USE

PERFORMANCE-BASED APPROACH



LAND USE

EXISTING LAND USE MAP



DRAFT FUTURE LAND USE MAP

LAND USE

GOAL 1

Guide infill redevelopment into arrangements that complement the neighborhoods where they are located.

GOAL 2

Promote the improvement and re-investment in vacant or underutilized parcels.

GOAL 3

Identify zoning language adjustments to the residential districts that will help to bring about more housing options for workforce and middle - income residents.

GOAL 4

Support and sustain the expansion of businesses and private sector employment and the revitalization of the tourism sector (including restaurants and retail) which has been adversely impacted by the COVID-19 pandemic.

GOAL 5

Protect and secure the historic resource values of downtown Annapolis while promoting both its economic vitality and its role as the central civic gathering place for the City's residents.

GOAL 6

Link the city together with a network formed by the city's remaining natural areas, improved open spaces, parks, and institutional uses.

GOAL 1

Guide infill redevelopment into arrangements that complement the neighborhoods where they are located.

PERFORMANCE METRIC:

- New zoning standards adopted for each of the new mixed use place types.

RECOMMENDED ACTIONS:

1. Amend the Zoning Ordinance, as recommended herein, to bring its requirements into better alignment with the desire for compatibility between new and existing development.
2. Create illustrations of generally acceptable building design principles for each of the Development Types and uses these as models for the character of new construction that is expected.
3. Specifically promote infill development and redevelopment in the Upper West Street corridor (see Chapte 3: Housing) to facilitate the creation of a walkable community where new housing options and neighborhood commercial uses coexist.

GOAL 2

Promote the improvement and re-investment in vacant or underutilized parcels.

PERFORMANCE METRIC:

- By 2040, the aggregate assessed value of property designated as vacant or underutilized will have increased at a rate at least twice that of the City's overall assessable base.

RECOMMENDED ACTIONS:

1. Implement a policy of assertively promoting and incentivizing the repurposing and redevelopment of existing buildings and sites within the City. This includes removing unnecessary obstacles and delays in the plan review and approval process and overall streamlining of redevelopment applications.
2. Assemble a suite of tax and other incentives to bring about the redevelopment of vacant and underutilized properties especially those projects with designs that create more walkable environments and deliver public benefits within the neighborhoods where they are located.

GOAL 3

Identify zoning language adjustments to the residential districts that will help to bring about more housing options for workforce and middle - income residents.

PERFORMANCE METRIC:

- The number of housing units per acre will increase commensurate with the quality of their community design and provided public services and facilities are available.
- The share of total housing units in Annapolis in housing types with two, three and four units will grow from 6% to 15%.

RECOMMENDED ACTIONS:

1. Increase the allowable housing unit density in the current R-3 and R-4 zones to levels better matched with the vibrant activity center Annapolis has become since these districts were first applied. Current zoning standards enshrine a low density suburban and automobile dependent development pattern in many places which is incompatible not only with the historic patterns that characterize Annapolis but with the many goals of this Plan.
2. Amend the Zoning Ordinance to encourage multiple housing types that can fit compatibly within each of the City's residential zoning districts. As guidance, housing types that can fit compatibly within existing single-family neighborhood are shown in Chapter 3: Housing, under Housing Goal 4.

GOAL 4

Support and sustain the expansion of businesses and private sector employment and the revitalization of the tourism sector (including restaurants and retail) which has been adversely impacted by the pandemic.

PERFORMANCE METRIC:

- Between 2020 and 2040, the number of jobs within the City's the light industrial sector will increase.
- By 2025 the restaurant and tourism sector will have surpassed its economic productivity levels recorded at the beginning of 2019, before the shut-downs related to the Covid-19 pandemic.

RECOMMENDED ACTIONS:

1. Maintain the City's zoning for light industrial use and explore the interest among major industrial landholders for preparing a master plan to promote the expansion of existing firms and the modernization of the industrial district generally.
2. The City's economic development efforts should focus on business retention, intensification and expansion within areas zoned for light industrial use and in areas zoned for maritime businesses.
3. Coordinate with the maritime sector to facilitate its modernization and response to evolving economic conditions in the maritime and tourism industries.
4. Consider economic development incentives to support the return of businesses into street level storefronts and restaurants.
5. The City's economic development efforts should focus on business retention, intensification and expansion within mixed use areas.

GOAL 5

Protect and secure the historic resource values of downtown Annapolis while promoting both its economic vitality and its role as the central civic gathering place for the City's residents.

PERFORMANCE METRIC:

- The City estimated number of downtown visitors (and hotel occupancy rates) remain at or exceed levels set prior to Covid 19 pandemic through 2040.
- The square footage of leased commercial floor area remains at or exceed levels set prior to Covid 19 pandemic through 2040.

RECOMMENDED ACTIONS:

1. Build the infrastructure needed to protect downtown from both routine nuisance flooding and the flooding associated with sea level rise and storm surge or facilitate the enhancement of the most at-risk buildings.
2. Implement the consensus plan of the City Dock Action Committee.
3. Continue to maintain stringent historic preservation requirements in downtown to protect the City's architectural and city planning heritage.

GOAL 6

Link the city together with a network formed by the city's remaining natural areas, improved open spaces, parks, and institutional uses.

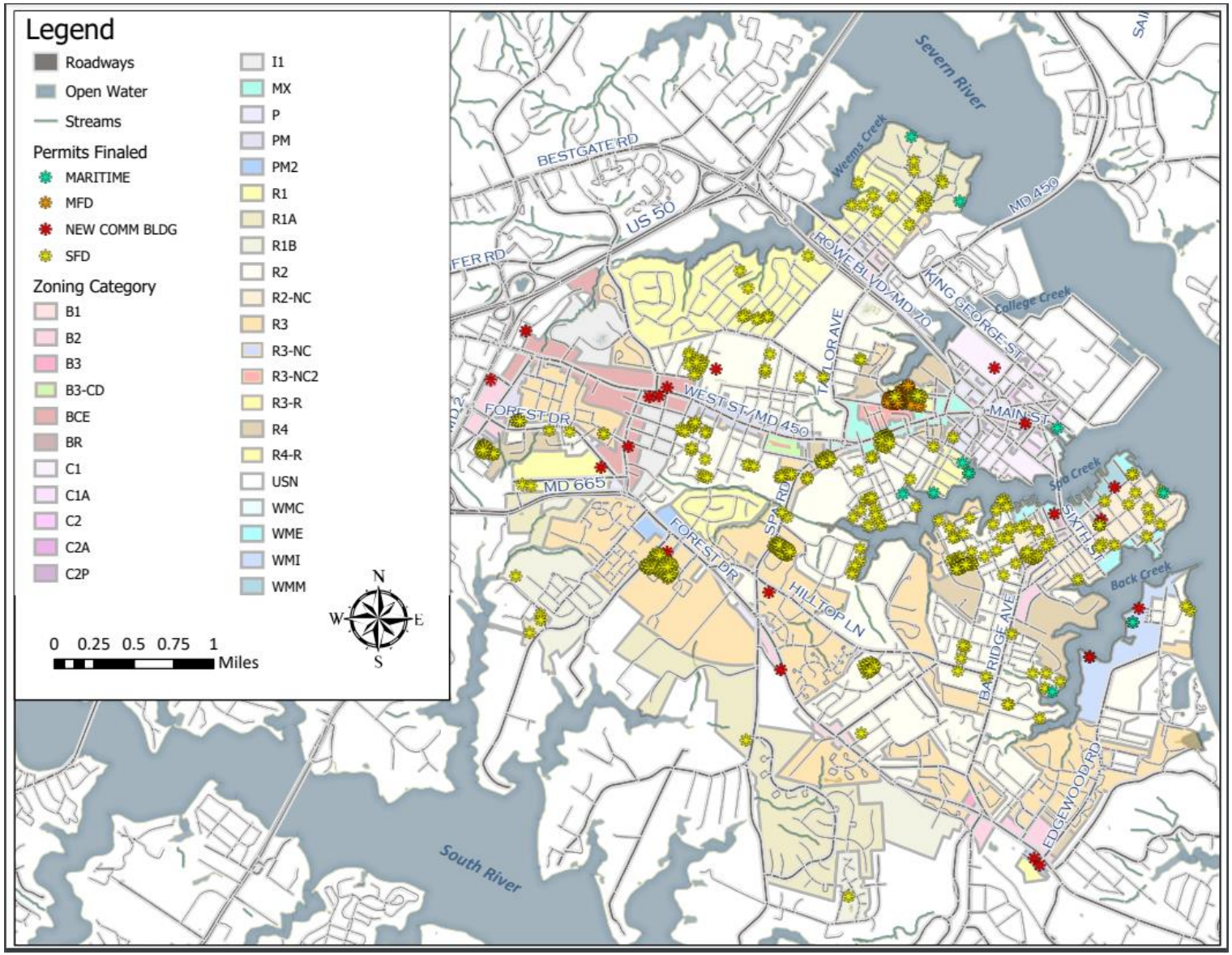
PERFORMANCE METRIC:

RECOMMENDED ACTIONS:

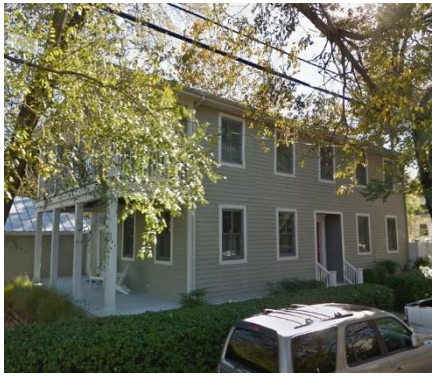
1. Design, adopt and implement a Greenway Plan led and shaped by volunteers in the Annapolis community.
2. In the review and approval of infill and redevelopment projects, align parkland dedications and required open space set-asides to promote the interconnection of open spaces across parcels.
3. Require that public access easements be established within areas set aside for future open space or planted for required forest conservation.
4. Design certain streets to be part of the Greenway Plan and elevate the importance of street tree planting and coordinated landscaping along properties with street frontage.
5. Use the City's forest conservation requirements to direct conservation or afforestation in ways that build larger networks of forest in Annapolis.
6. Amend the zoning ordinance and map to create and apply Environmental Enhancements areas guided by the Future Land Use Map.

HOUSING

HOUSING


Legend
Roadways
Open Water
Streams
Permits Finaled
MARITIME
MFD
NEW COMM BLDG
SFD
Zoning Category
B1
B2
B3
B3-CD
BCE
BR
C1
C1A
C2
C2A
C2P
I1
MX
P
PM
PM2
R1
R1A
R1B
R2
R2-NC
R3
R3-NC
R3-NC2
R3-R
R4
R4-R
USN
WMC
WME
WMI
WMM
0 0.25 0.5 0.75 1
Miles
N
W
E
S
Severn River
South River
Weems Creek
College Creek
Spa Creek
Back Creek
BESTGATE RD
US 50
MD 450
ROWE BLVD/MD 70
KING GEORGE ST
TAYLOR AVE
WEST ST/MD 450
MAIN ST
FOREST DR
MD 665
SPA RD
SIXTH
HILLTOP LN
BAYRIDGE AVE
EDGEWOOD RD

HOUSING



The most acute housing affordability need in Annapolis today is for those earning 80%-120% of the Area Median Income. Additional housing options of the types above would have the most significant impact addressing this need.

HOUSING

GOAL 1

Produce a supply of affordable rental and ownership housing in order to meet current and projected needs.

GOAL 2

Preserve the supply of quality housing for low income and workforce households.

GOAL 3

Plan for changing housing needs over time in relation to both the production of new housing and preservation of existing units.

GOAL 4

Increase the supply and diversity of housing types and the locations where such housing can be compatibly provided to best facilitate housing that addresses the particular needs of the city's households by, for example, age, income, disability, and household size.

GOAL 1

Produce a supply of affordable rental and ownership housing in order to meet current and projected needs.

PERFORMANCE METRICS:

- The percent of total renter households that are “severely cost burdened” is reduced to 10% by 2040.
- The percent of total home-owner households that are Severely Cost Burdened by 2040 is reduced to 6.5%

RECOMMENDED ACTIONS:

1. Coordinate with Anne Arundel County and the State of Maryland to encourage the development of affordable and moderately priced rental and owner-occupied housing within the greater Annapolis area.
2. Promote infill development and redevelopment in the Upper West Street corridor (see Chapter 3) to increase the supply of housing and rental units in particular.
3. Use the City’s authority to annex and permit development to promote housing development in the City’s 82.6-acre Growth Area
4. Reevaluate the MPDU program and consider its practicality.
5. Revise the R3 and R4 Districts and increase the allowable housing unit density to standards that are more compatible with the urban center Annapolis has become.

GOAL 2

Preserve the supply of quality housing for low income and workforce households.

PERFORMANCE METRICS:

- Over the next 20 years, achieve no net loss in the supply of housing meeting the needs of low and moderate income households.

RECOMMENDED ACTIONS:

1. Formalize a policy of no net loss in quality affordable units to be managed by the Community Development division of the City's Planning & Zoning Department.
2. Mitigate displacement of low- and moderate-income households by facilitating strategies aimed at reducing the costs of maintenance and property taxes.
3. Maintain and regularly update a map of naturally-occurring affordable housing (NOAH) in the greater Annapolis area and develop triggers and criteria for preservation actions.
4. Give greater preference at the highest level of City staff, in time and resources, to working closely with residents in low and moderate income neighborhoods who may not be formerly organized to advance their interests, especially where owner occupied housing is generally affordable.

GOAL 3

Plan for changing housing needs over time in relation to both the production of new housing and preservation of existing units.

PERFORMANCE METRICS:

- The formation of an effective system for biannually reporting on the status of housing affordability and routinely offering expert recommendations to the Mayor and City Council for improvement.

RECOMMENDED ACTIONS:

1. Formalize a system of regular monitoring and reporting on the production and preservation of housing units.
2. On an ongoing basis, postulate and test zoning changes related to density and unit types and select and adopt zoning amendments that reduce regulatory barriers to the production of affordable housing units.
3. Formalize a policy of regular coordinated reporting with Anne Arundel County on the production and preservation of affordable housing units in the greater Annapolis area.

GOAL 4

Increase the supply and diversity of housing types and the locations where such housing can be compatibly provided to best facilitate housing that addresses the particular needs of the city's households by, for example, age, income, disability, and household size.

PERFORMANCE METRICS:

- The percent of housing units in housing types with two, three and four units will grow from 6% to 15% of the total by 2040.

RECOMMENDED ACTIONS:

1. Amend the Zoning Ordinance to encourage multiple housing types that can fit compatibly within each of the City's residential zoning districts. As guidance, the following housing types generally fit compatibly with neighboring single-family lots.
2. Amend the zoning ordinance to provide that one accessory dwelling unit be allowed by-right on all single-family lots in all zoning districts subject to a certain lot size, to be determined.
3. Create legislation that incentivizes accessory dwelling units.
4. Foster new opportunities for mixed income and mixed-use communities including through the redevelopment of the Eastport Terrace and Harbor House.

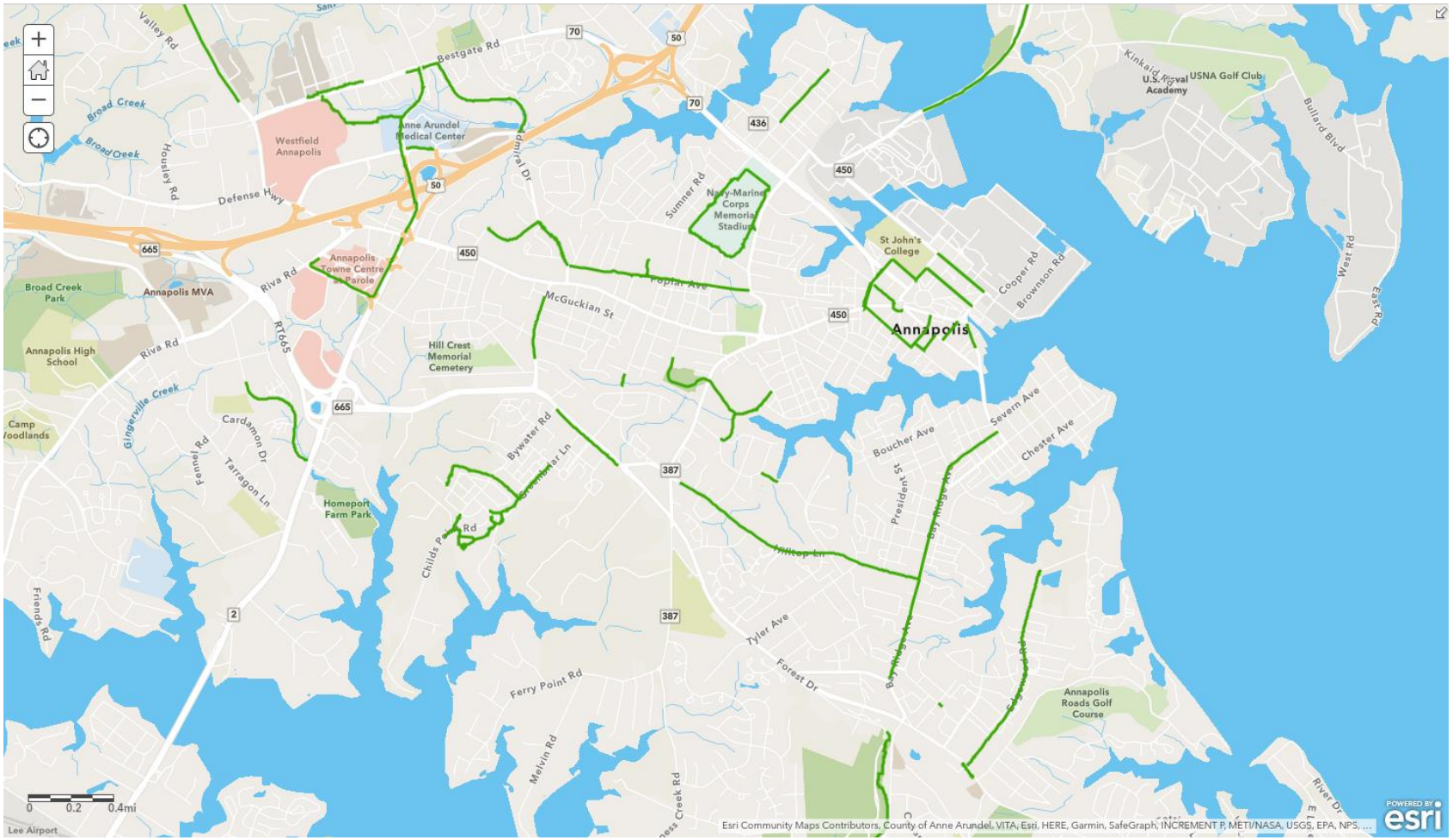
THE FUNCTIONAL CITY

PRINCIPLES

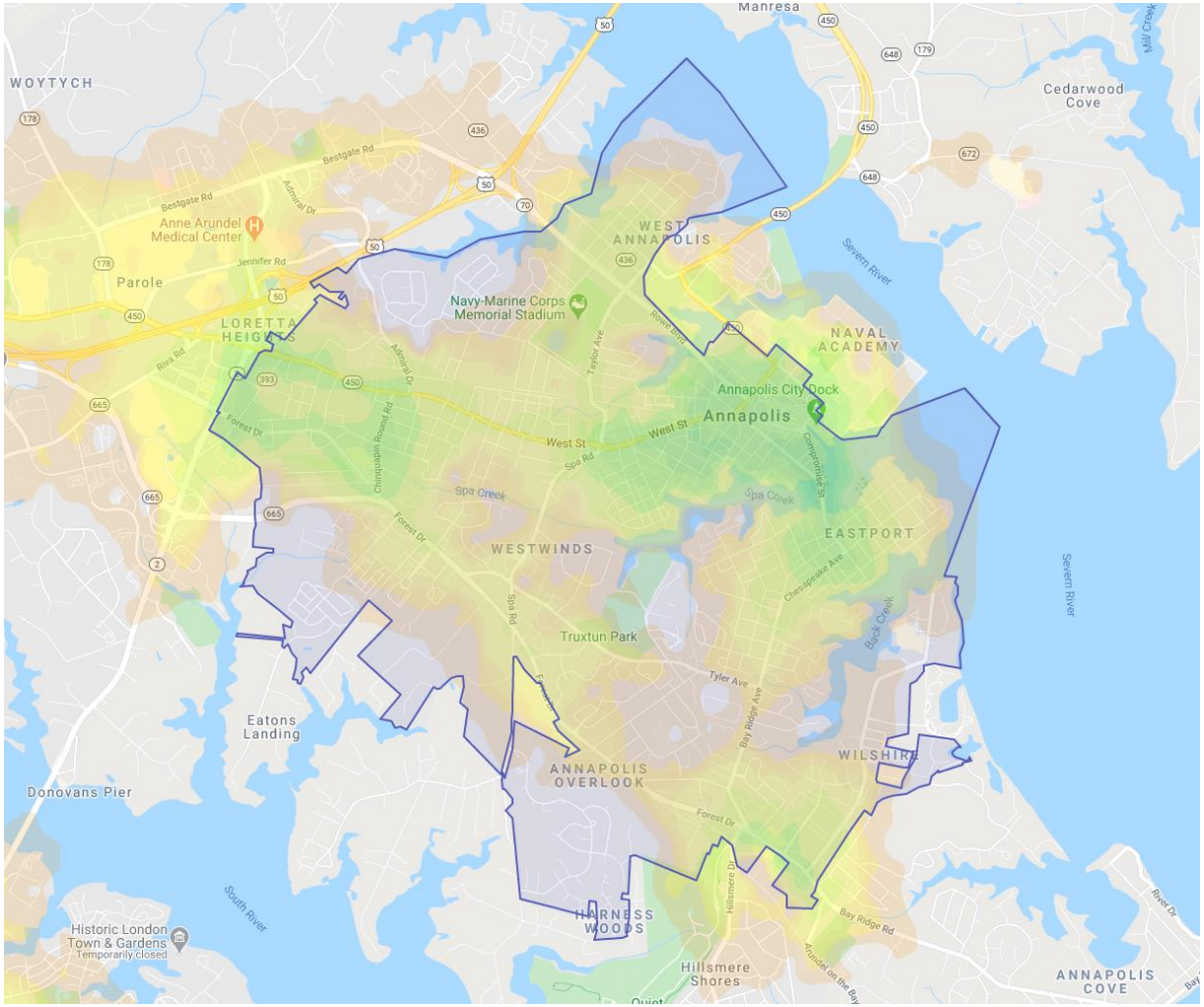
- **Bicycle and pedestrian connectivity** - minimize gaps in bicycle and sidewalk infrastructure to improve opportunities for active transportation and recreation.
- **Access to Community Services** - new resources to improve health, educational outcomes, opportunities for growth, and to support workforce and community development.
- **Enhanced public realm** - expand and enhance the diversity of public spaces that can be used for leisure, social activity, communal gathering, and economic/touristic activity
- **Inclusive access to waterfront opportunity** - increase the amount and quality of waterfront space that is publicly accessible for a variety of water-based activities
- **Expanded creative economy** - support arts and culture through increased access to and the quality of arts and cultural opportunities for all residents
- **Safety** - create and enforce policies that ensure all residents and visitors feel safe, mitigate conflicts, and leverage community engagement.

TRANSPORTATION

EXISTING FRAGMENTED BIKE NETWORK



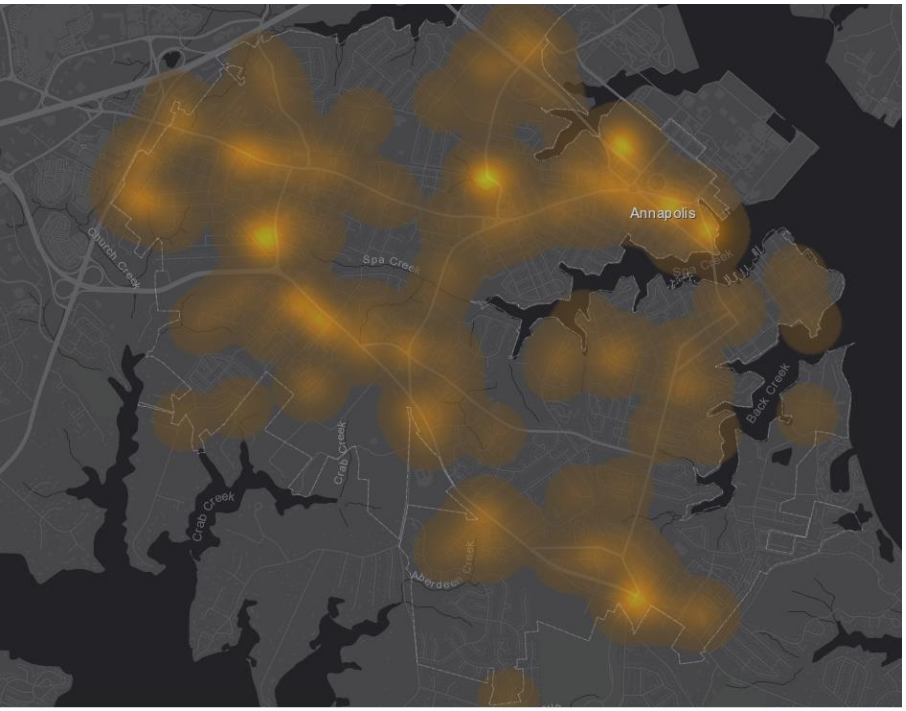
EXISTING PEDESTRIAN ACTIVITY "ISLANDS"



Walk Score Map of Annapolis (Walk Score data)

TRANSPORTATION

VEHICLE CRASHES



Heat Map of Vehicular Crashes

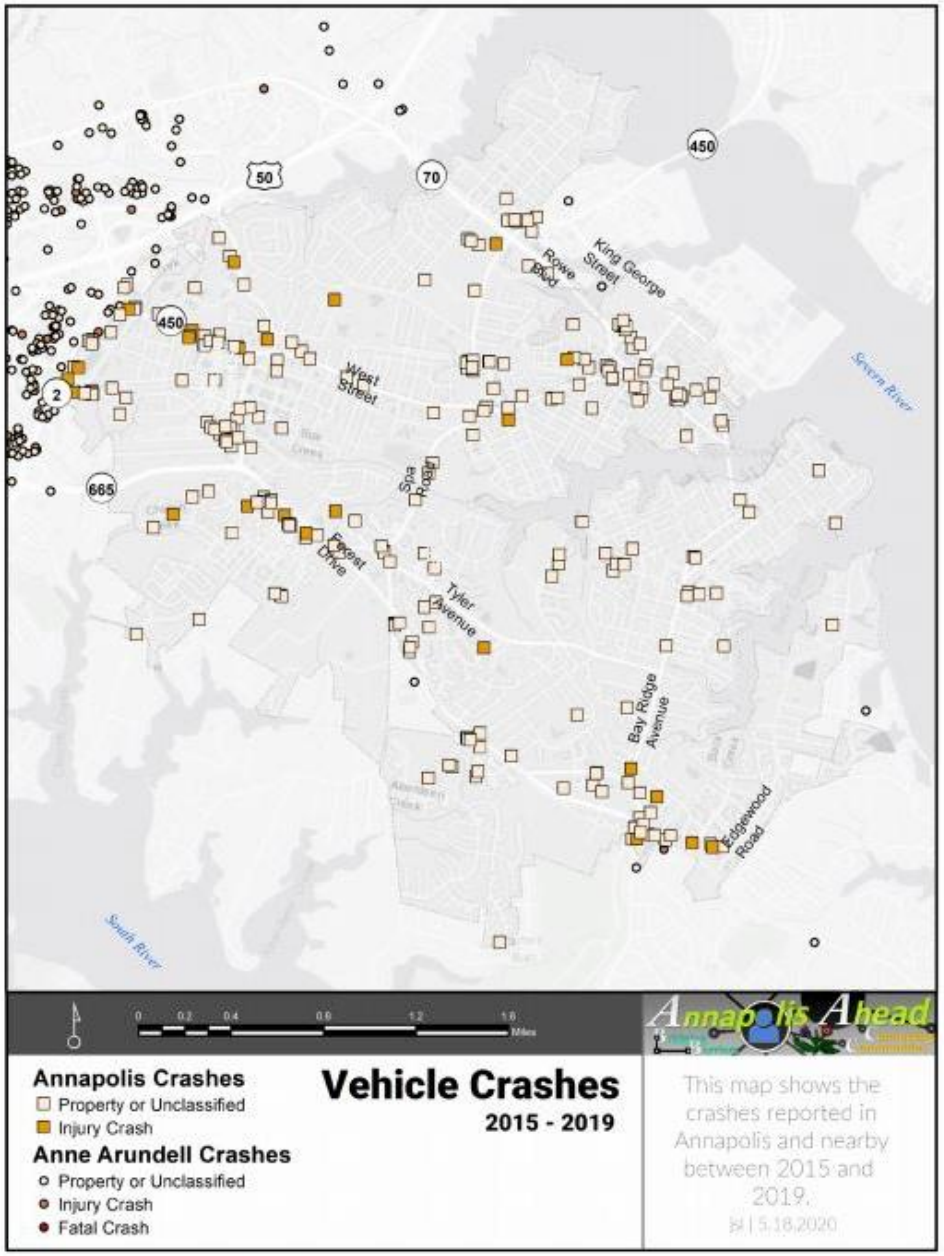


Figure 12. Annapolis Crash Map
(source: City of Annapolis)

TRANSPORTATION

GOAL 1

Shift the mix of mobility investments towards active modes, public transit, micro-mobility / ridesharing, and support for telework options to double the usage of these modes by 2040.

GOAL 2

Build a policy environment in Annapolis that is mode-neutral, equitable, and oriented to safety.

GOAL 3

Transportation will take a leadership role in creating a greener and healthier Annapolis to sustain the economic, environmental, and societal quality of the City.

GOAL 4

Expand partnerships with Anne Arundel County, MDOT/SHA, NSA-Annapolis, NPS, St. John’s College, HACA, local businesses, and others to improve mobility and connectivity for residents and visitors alike.

GOAL 1

Shift the mix of mobility investments towards public transit, micro-mobility / ridesharing, active modes, and support for telework options to double the usage of these modes by 2040.

PERFORMANCE METRICS:

- Capital investments in transportation for public transportation, walking, biking, and Mobility-as-a-Service (MaaS) will increase from 7% to 12% of General Fund expenditures by Fiscal Year 2025 and 25% by 2040

RECOMMENDED ACTIONS:

1. Complete the Bike network improvements identified in the 2011 Bike Master Plan
2. Prioritize the design and construction of the WEE (West East Express) as the spine of the City's bike network.
3. Explore the feasibility of a no-fare public transit system to encourage more ridership.
4. Implement integrated micro-mobility options, including bikeshare, paddleshare, ridesharing services, carshare, and a an Annapolis Mobility App.
5. Connect Annapolis Transit with Truman Parkway park-and-ride station and work with AA County and MTA to create new express stop(s) for several routes at the proposed multi-modal transit center.
6. Ensure that all approved bikeways recommendations are budgeted and integrated with CIP roadway improvements.

GOAL 2

Build a policy environment in Annapolis that is mode-neutral, equitable, and oriented to safety.

PERFORMANCE METRICS:

- Crash rate lower than rate of population + employment increase by 2025; Reduce serious injuries from car crashes to 3.0 per million VMT by 2040.
- Allow no new full-movement driveways on major arterials (and reduce the total number of existing driveway cuts)

RECOMMENDED ACTIONS:

1. Adopt a Complete Street policy and process for every planning, design, and maintenance project.
2. Adopt a Vision Zero policy including engineering, education, enforcement, encouragement, and evaluation elements.
3. Conduct a neighborhood connectivity study that details all barriers to mobility in the City and identifies targeted actions for improving connections between neighborhoods.
4. Work with MDOT/SHA to prioritize State-owned roadways in the City for multi-modal improvements, particularly MD 450 (West Street), MD 435 (Taylor Avenue), and MD 436 (Ridgely Avenue)

GOAL 3

Transportation will take a leadership role in creating a greener and healthier Annapolis to sustain the economic, environmental, and societal quality of the City.

PERFORMANCE METRICS:

- Triple the mileage of walking and biking facilities from 2020 to 2040.
- Increase bike + walk mode share to 5.0% by 2040.
- Expand the number of publicly accessible EV charging stations tenfold by 2025

RECOMMENDED ACTIONS:

1. Adopt green street design standards by 2025 that include expanded tree canopy and stormwater bmp's.
2. Work with BGE and other partners to establish more public car-charging stations in Annapolis, particularly downtown.
3. Revise ordinance language to require car-charging parking spaces for new or redeveloped major residential and commercial properties.
4. Become a Silver-level bike-friendly and Bronze-level walkfriendly community, designated by the League of American Bicyclists and Walk Friendly Communities, respectively;

GOAL 4

Expand partnerships with Anne Arundel County, MDOT/SHA, NSA-Annapolis, NPS, St. John's College, HACA, local businesses, and others to improve mobility and connectivity for residents and visitors alike.

PERFORMANCE METRICS:

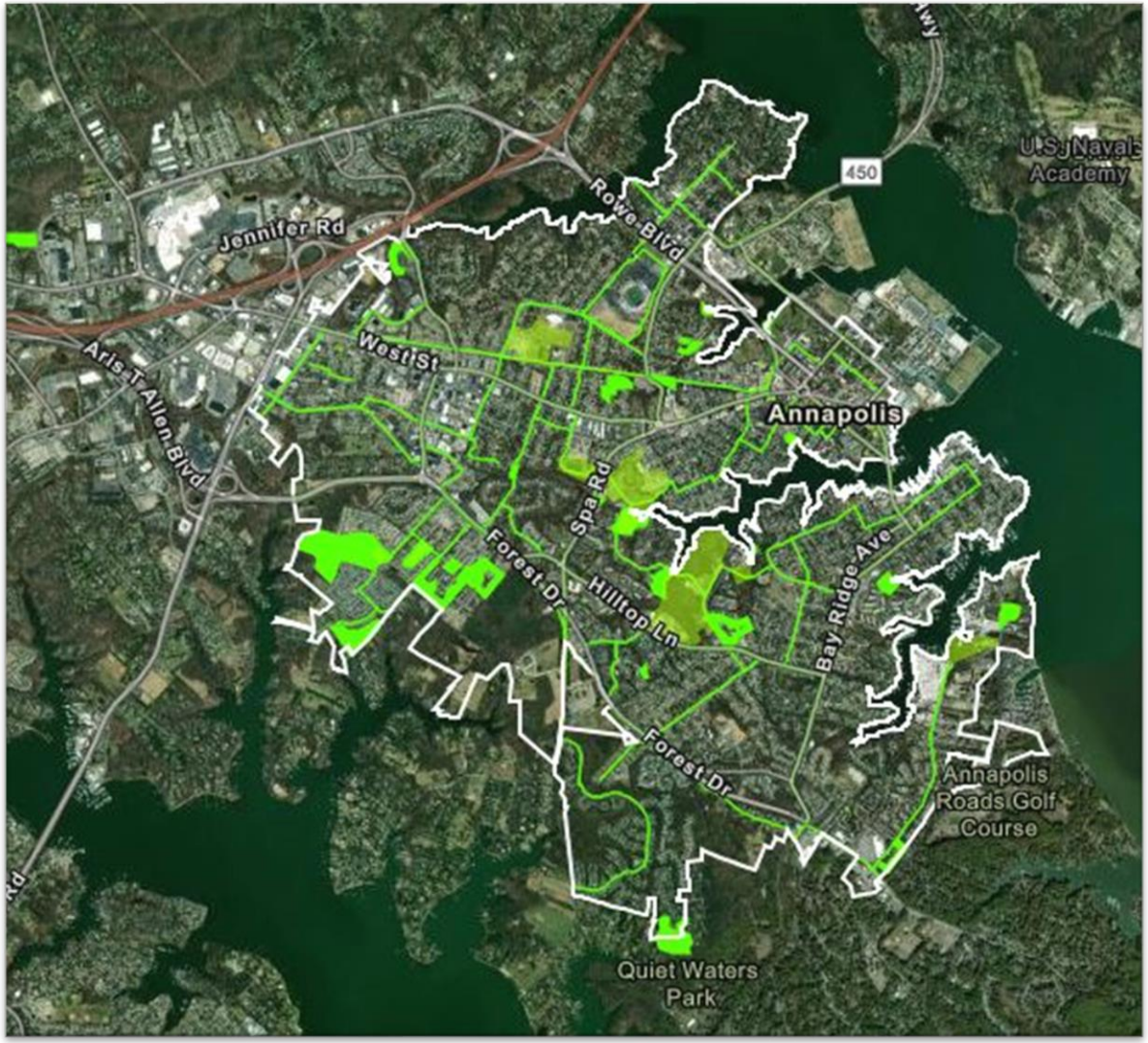
RECOMMENDED ACTIONS:

1. Continue to meet quarterly with Anne Arundel County Transportation staff to coordinate improvements to Forest Dr.
2. Work with MDOT/SHA and NSA-Annapolis, and Anne Arundel County to implement the recommendations of the MD 450 Bicycle Retrofit Feasibility Study.
3. Work with MDOT/SHA and Anne Arundel County on improvements to the intersection of MD 665, Chinquapin Round Rd, and Forest Drive as recommended in the Parole Mobility Plan and other studies.
4. Partner with St. John's College and HACA to study and implement bike facility connections between King George Street and Calvert Street.
5. Partner with HACA and other property owners to extend the Poplar Trail west along the former WB&A railroad corridor.

COMMUNITY FACILITIES

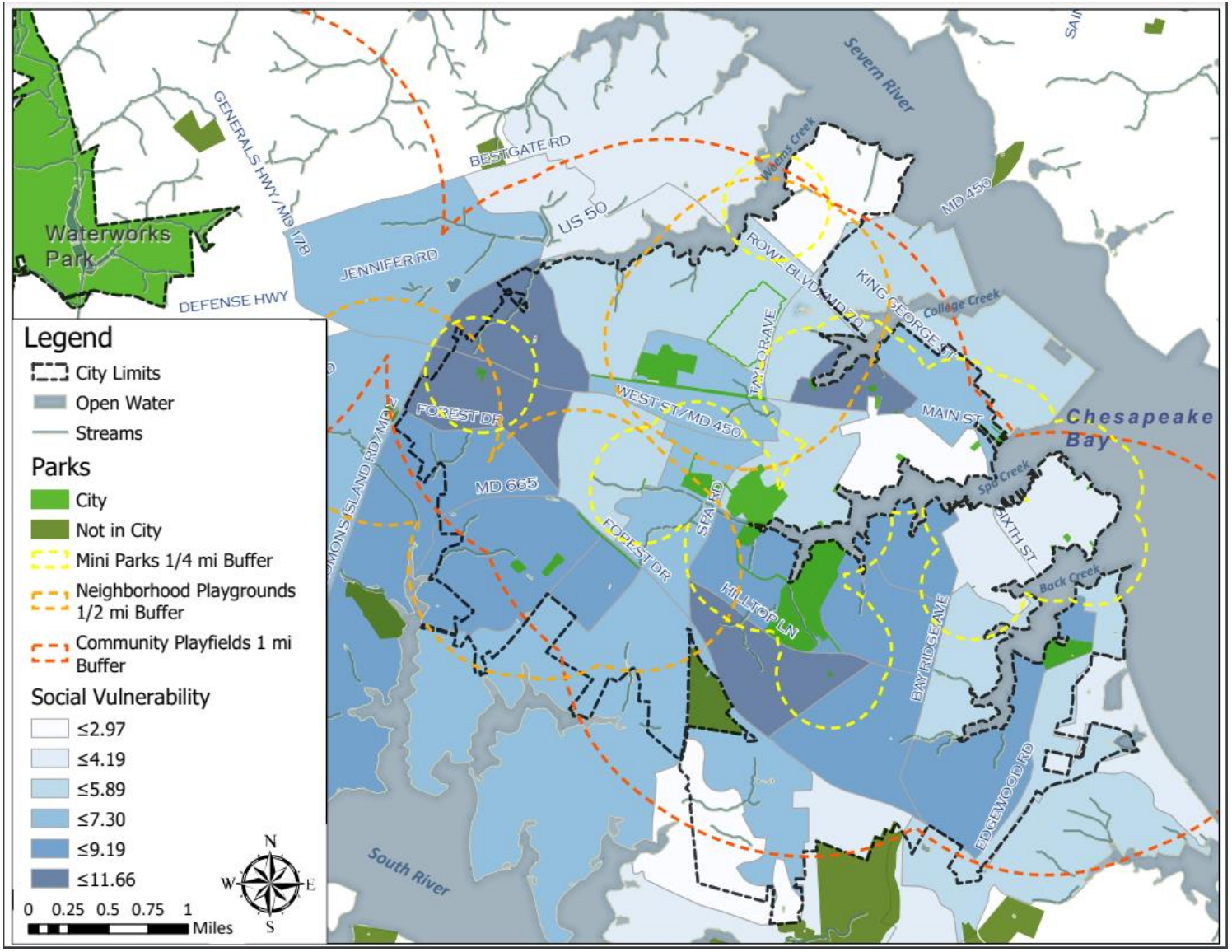
COMMUNITY FACILITIES

UNIFIED AND CONNECTED PARK SYSTEM



COMMUNITY FACILITIES

OPEN SPACE EQUITY



COMMUNITY FACILITIES

EQUITABLE WATERFRONT ACCESS

Public Waterfront:

9800 +/- LF

Total Waterfront:

45,580 +/- LF

COMMUNITY FACILITIES

GOAL 1

Merge Annapolis' parks and recreation system with its evolving network of conservation areas and trails to create a comprehensive greenway system.

GOAL 2

Expand parks facilities strategically to achieve equitable access for all where each resident is no more than a quarter mile from a Mini-Park, a half-mile from a Neighborhood Park, or one mile from a Community Playfield.

GOAL 3

Prioritize equitable waterfront access by creating new parks on existing city-owned waterfront, enhancing existing waterfront parks, and working with public and private partners to activate additional waterfront open spaces for public use.

GOAL 4

Expand the operations budget for the parks and recreation system to reach more residents, expand program offerings, activate underutilized resources, and improve maintenance.

GOAL 5

Leverage opportunities for expanded recreational use of Waterworks Park through improved bike and pedestrian connections, new and enhanced access points, new programming, expanded parking options, and activation of underutilized structures.

GOAL 1

Merge Annapolis' parks and recreation system with its evolving network of conservation areas and trails to create a comprehensive greenway system.

PERFORMANCE METRICS:

- Publication of a comprehensive park system map that includes active parks, waterfront access points, passive natural areas, as well as connecting trails and bikeways.

RECOMMENDED ACTIONS:

1. Revise the mission of the Annapolis Conservancy Board to include regular coordination with the Department of Parks and Recreation.
2. Refine and publish an official park system map that includes detailed information on access to conservation areas, water access, and trail connections.
3. Work with a consultant to develop a citywide parks, recreation, and trails master plan to be updated every ten years.
4. Maintain an online GIS map of greenways that includes prioritized conservation opportunities updated annually.
5. Explore training opportunities for Parks maintenance staff to include habitat restoration and conservation land management.

GOAL 2

Expand parks facilities strategically to achieve equitable access for all where each resident is no more than a quarter mile from a Mini-Park, a half-mile from a Neighborhood Park, or one mile from a Community Playfield.

PERFORMANCE METRICS:

- All residents are within a ¼ mile of a mini-park and a half-mile from a neighborhood park.

RECOMMENDED ACTIONS:

1. Update the Adequate Public Facilities Ordinance to meet this goal's performance metric by clarifying the level of service standards, updating the fee structure to reflect current park development costs, and simplifying the process.
2. Update the 2004 Parks and Trails Master Plan with an emphasis on strategies for new park creation, partnerships, and stewardship, new opportunities for revenue generation, improved trail connections between neighborhoods to expand park access, and updated maintenance guidelines.

GOAL 3

Prioritize equitable waterfront access by creating new parks on existing city-owned waterfront, enhancing existing waterfront parks, and working with public and private partners to activate additional waterfront open spaces for public use.

PERFORMANCE METRICS:

- Double the linear feet of publicly accessible waterfront by 2040 from XXXX LF to XXXX LF.

RECOMMENDED ACTIONS:

1. Continue to work with the HACA and other community partners to restore and activate the open space area at Hawkins Cove as an accessible and functional recreational amenity, and improve trail connectivity to Truxtun Park.
2. Work with public and private property owners along College Creek to create parks and trails master plan for the area that will create new and improved water access opportunities, preserve existing open space and cultural sites, restore habitat, and improve bike/ped connections throughout the area.
3. Update the adequate public facilities ordinance to require public waterfront access for all new waterfront development, excluding single family parcels.
4. Create straightforward signage provisions to be included in all future public access easements not maintained by the City.

GOAL 4

Expand the operations budget for the parks and recreation system to reach more residents, expand program offerings, activate underutilized resources, and improve maintenance.

PERFORMANCE METRICS:

- Expand the operations budget XX% every five years.
- Increase staff by XX by 2030 and by XX by 2040.

RECOMMENDED ACTIONS:

1. Explore the feasibility and return on investment of developing a modern multi-use sports complex at the former Public Works facility as a revenue-generating asset for the City.
2. Support the creation of an independent parks foundation that can help to aggregate private donations, manage fundraising campaigns, and spearhead new parks initiatives.
3. Explore new opportunities for revenue-generating concessions within existing parks including paddle craft rentals, food service, and other complementary uses.
4. Prioritize the development of a dedicated parks maintenance facility.
5. Prioritize the filling the Recreation Associate position at the Stanton Center to allow for additional programming.

GOAL 5

Leverage opportunities for expanded recreational use of Waterworks Park through improved bike and pedestrian connections, new and enhanced access points, new programming, expanded parking options, and activation of underutilized structures.

PERFORMANCE METRICS:

- Activate the historic pump house by 2025
- Complete all approved bike connections by 2025

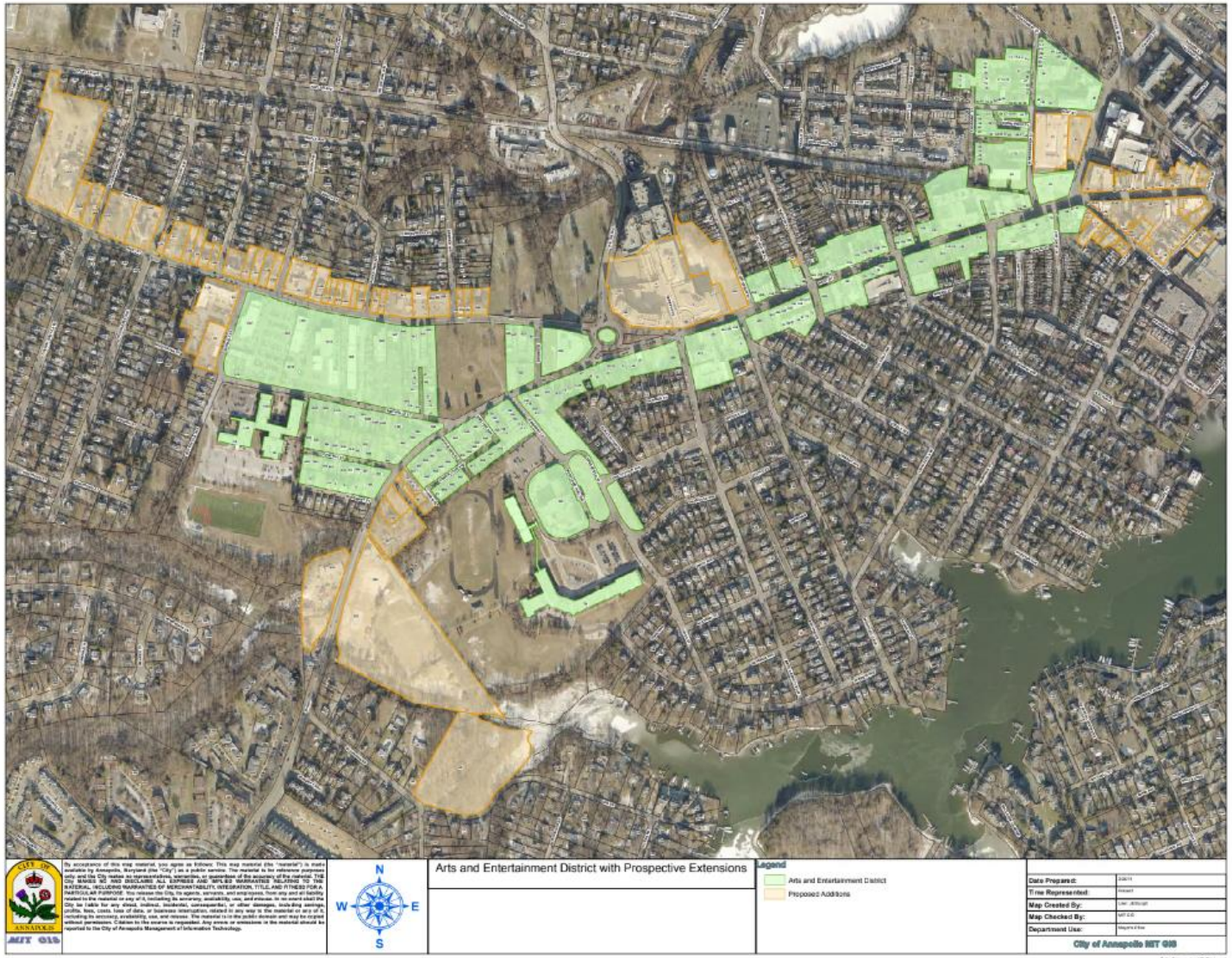
RECOMMENDED ACTIONS:

1. Continue to work with M.O.R.E. and other partners to expand access to the park for users of all ages and interests.
2. Continue to work with Anne Arundel County staff and elected officials to create the necessary bike and pedestrian facilities to connect the park to nearby residential communities and commercial centers.
3. Expand the trail network around the Solar Energy Facility and explore a potential parking area at N. River Road.
4. Explore using an RFP process to solicit developer interest in the restoration and activation of the historic pump house building.

ARTS & CULTURE

ARTS & CULTURE

ARTS DISTRICT – PROPOSED EXPANSION



ARTS & CULTURE

HISTORICAL NARRATIVES THAT ARE INCLUSIVE AND EQUITABLE

ARTS & CULTURE

PROACTIVE ENHANCEMENTS TO BETTER SUSTAIN THE HISTORIC DISTRICT

ARTS & CULTURE

GOAL 1

Adopt an approach to historic and cultural preservation that is inclusive and equitable and fully acknowledges the diversity of cultures that have created the Annapolis of today.

GOAL 2

Expand the reach of the Annapolis Arts District and growth of the creative economy through support for district expansion, public realm enhancements, programming, and institutional partnerships.

GOAL 3

Expand the capacity of the Art in Public Places Commission (AiPPC) to increase event programming, artist opportunities, place-making initiatives, and other public realm enhancements.

GOAL 4

Enhance the sustainability of the Historic District through proactive improvements to infrastructure, context-sensitive guidelines for temporary uses, and code updates to better leverage upper floors of buildings.

GOAL 1

Adopt an approach to historic and cultural preservation that is inclusive and equitable and fully acknowledges the diversity of cultures that have created the Annapolis of today.

PERFORMANCE METRICS:

- Add at least X historic sites outside of the downtown Historic District to the City of Annapolis Local Landmark program and at least X application for National Register status every five years.

RECOMMENDED ACTIONS:

1. Develop a preservation action plan for all notable historic sites beyond the downtown Historic District, particularly those relevant to African-American heritage.
2. Work with the National Park Service to implement its Master Interpretation Plan which is taking an expansive and inclusive approach to cultural and historical interpretation.
3. Explore the potential for a National Register designation of the Parole Rosenwald School and funding opportunities for preservation.
4. Budget for the City to add a new Historic Site Manager position who will better manage, curate, and program historic sites owned by the City.
5. Identify funding opportunities for artists, designers, and curators to develop new ways of interpreting historic sites.

GOAL 2

Expand the reach of the Annapolis Arts District and growth of the creative economy through support for district expansion, public realm enhancements, programming, and institutional partnerships.

PERFORMANCE METRICS:

RECOMMENDED ACTIONS:

1. Support the expansion of the Annapolis Arts District through City Council legislative action.
2. Partner with Maryland Hall to launch a campus master plan to better program and leverage existing open space areas.
3. Partner with the Arts District on grant applications for public art opportunities and streetscape enhancements.
4. Partner with the Arts District to continue existing event programming and support additional programming.

GOAL 3

Expand the capacity of the Art in Public Places Commission (AiPPC) to increase event programming, artist opportunities, place-making initiatives, and other public realm enhancements.

PERFORMANCE METRICS:

- Increase the programming budget of AIPPC by XX% every five years.

RECOMMENDED ACTIONS:

1. Identify additional sources of dedicated funding for AiPPC.
2. Partner with AiPPC on grant funded opportunities for public art, place-making, and event programming through staff support.
3. Support AiPPC's dedicated programs with staff input and coordinate on the creation of new programs that can help to activate public places and generate new opportunities for artists.

GOAL 4

Enhance the sustainability of the Historic District through proactive improvements to infrastructure, context-sensitive guidelines for temporary uses, and code updates to better leverage upper floors of buildings.

PERFORMANCE METRICS:

RECOMMENDED ACTIONS:

1. Implement the recommendations of the Consensus Plan of the City Dock Action Committee.
2. Work with business owners to develop updated guidelines for sidewalk seating and shading, parklets, and signage.
3. Update code requirements for fire suppression systems within Historic District buildings to activate more upper floors for residential use. As part of the code, explore the feasibility of a tax benefit for the creation of moderately priced dwelling units (MPDU's).
4. Work with BGE, Historic Annapolis, State of Maryland, and other partners to develop a strategic plan for burying power lines within the Historic District, coordinated with the construction schedule of City Dock/Hillman Garage projects.

THE ADAPTIVE CITY

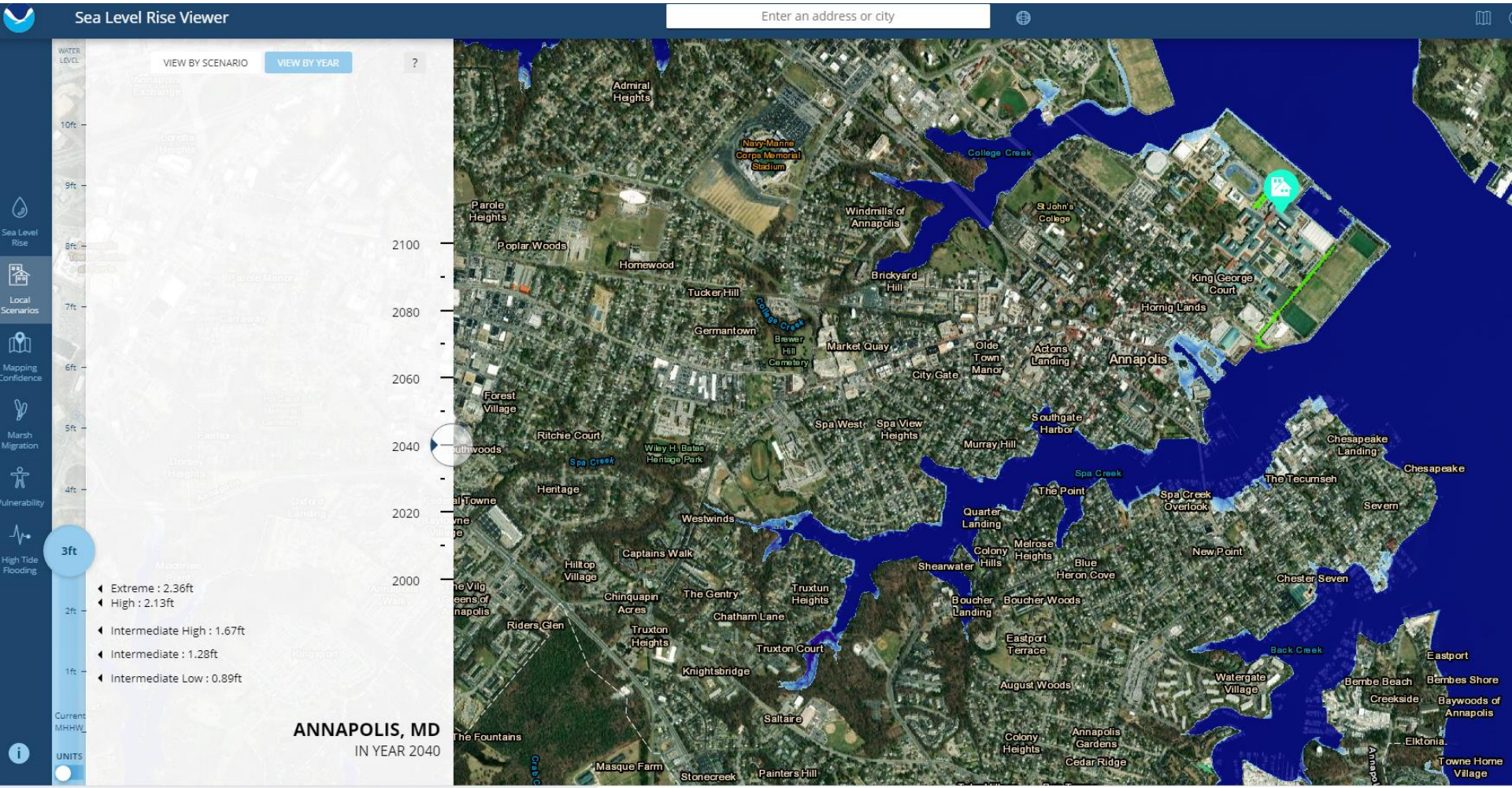
PRINCIPLES

- **Minimized carbon footprint-** reduce carbon emissions and footprint by working toward carbon neutrality or sequestration.
- **Improved water quality** - reduce the amount of polluted runoff into local tributaries and enhance the quality of local waterways.
- **Adapt to increased flooding** - reduce economic loss and number of people exposed to climate-related flooding.
- **Adapt to changing temperatures** - reduce impervious cover while increasing tree canopy coverage, and reduce exposure and incidents related to extreme temperatures.
- **Diversified economy built for the future** - encourage a diversified based of industries that are primed for the future national and global economy and adaptable to a variety of economic threats.
- **Preserve and restore environmental assets** - limit the loss of natural infrastructure that can help to reduce flooding and storm surge, increase biodiversity, and limit heat impacts.

SENSITIVE AREAS

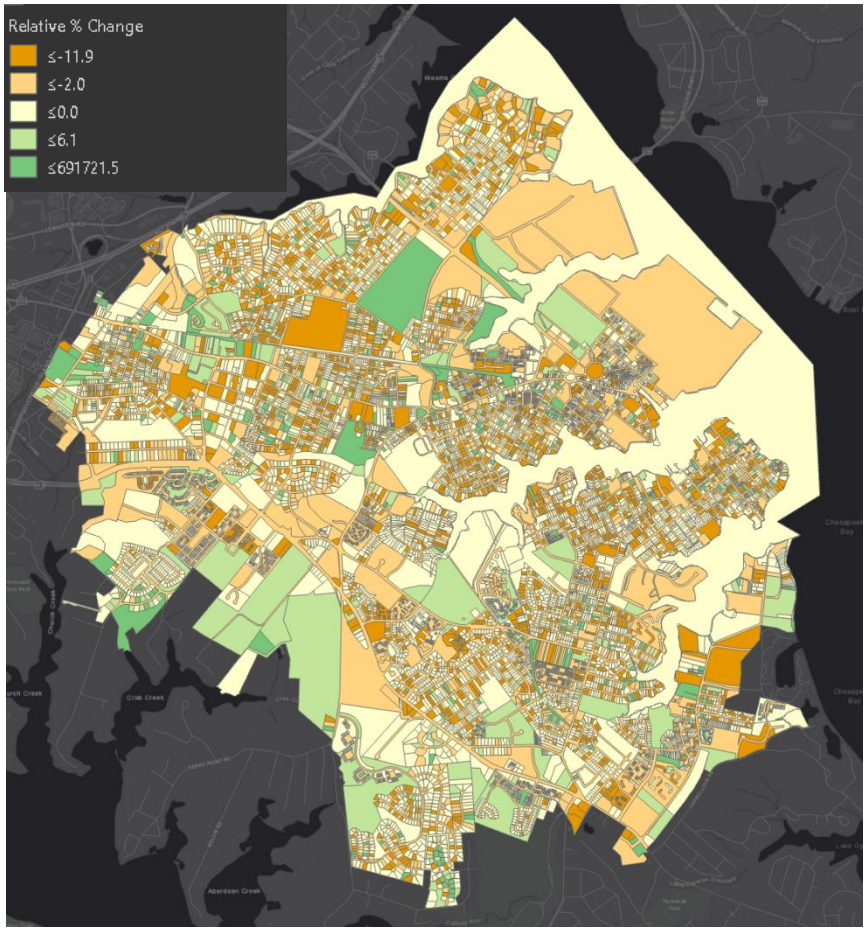
SENSITIVE AREAS

SEA LEVEL RISE PROJECTION

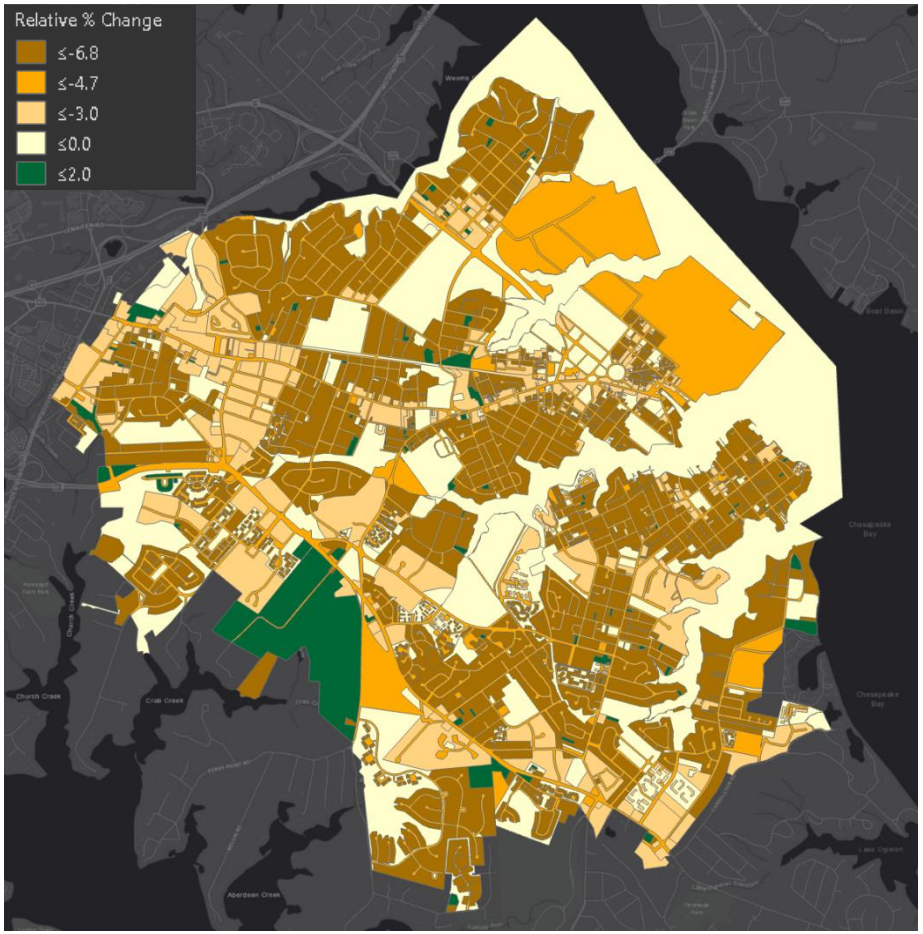


SENSITIVE AREAS

TREE CANOPY CHANGE 2011-2017 BY PARCEL



TREE CANOPY CHANGE 2011-2017 BY LAND USE



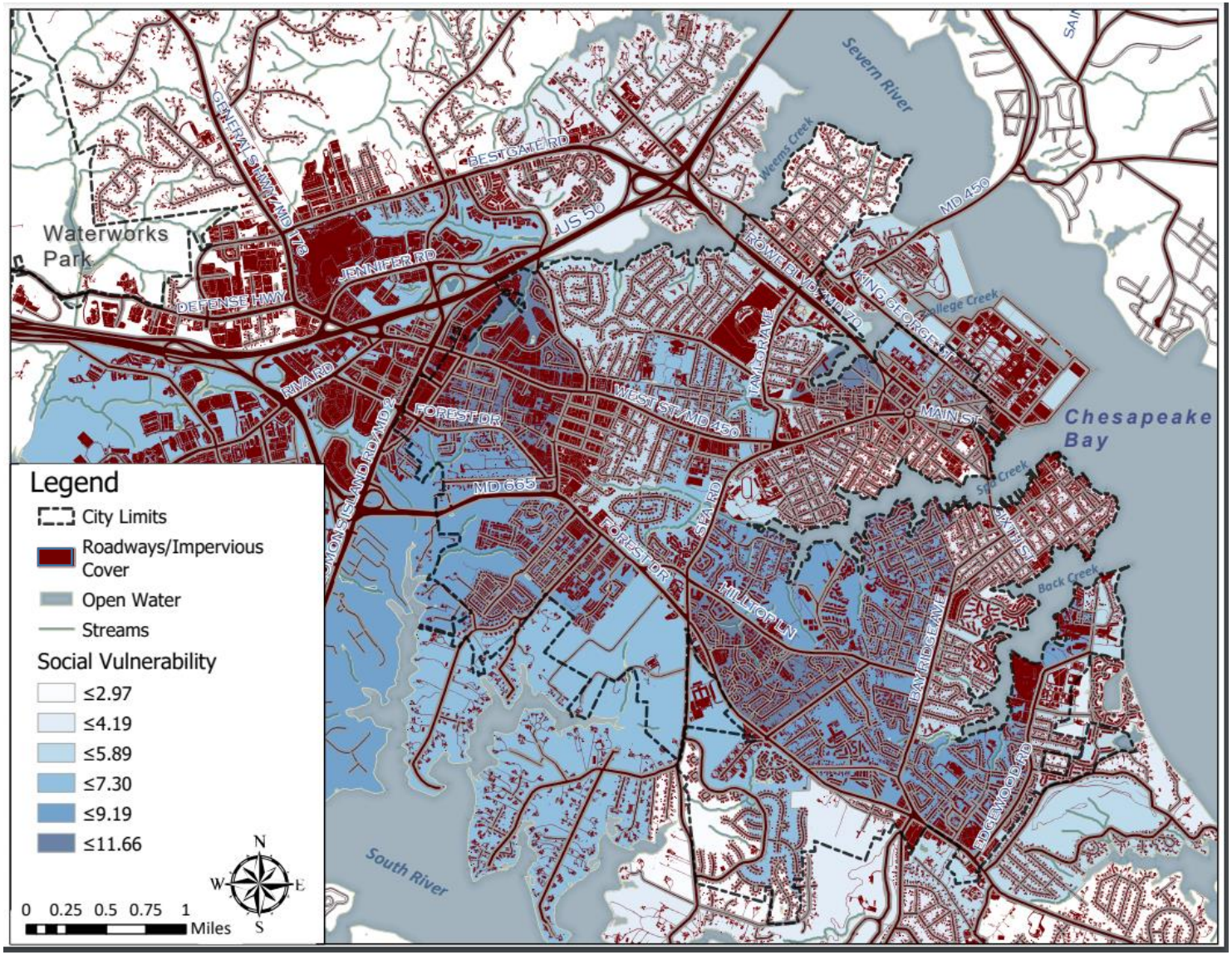
Tree Canopy is Declining
78.5 acres of net loss
43.6% in 2011 to 41.7% in 2017
-1.89% absolute loss

Both Gain and Loss
29 acres of gain
107 acres of loss

Residential Loss
Tree canopy declined most on residential properties

SENSITIVE AREAS

IMPERVIOUS COVERAGE AND SOCIAL VULNERABILITY



SENSITIVE AREAS

GOAL 1

Develop a comprehensive and equitable approach to resilience that addresses places impacted by climate change beyond flood zones and socially vulnerable communities that may be disproportionately impacted by climate events.

GOAL 2

Expand the City's tree canopy by prioritizing planting within heat islands and within the communities most impacted by the heat islands.

GOAL 3

Reinforce vulnerable shoreline areas through the application of green infrastructure, grey infrastructure when critically necessary, and by addressing the root causes of soil erosion and natural landscape degradation.

SENSITIVE AREAS

GOAL 4

Promote a coordinated approach to food access that ensures all residents have access to healthy foods, and particularly foods which are locally or regionally harvested.

GOAL 5

Expand the City's biodiversity through a coordinated approach that combines conservation of natural assets, preservation of existing tree canopy, new planting strategies, and stewardship of protected areas.

GOAL 6

Adopt a comprehensive approach to minimizing the City's carbon footprint that includes vehicle emissions reductions, clean energy generation, green building standards, carbon capture, and other strategies for reducing greenhouse gas emissions.

GOAL 1

Develop a comprehensive and equitable approach to resilience that addresses places impacted by climate change beyond flood zones and socially vulnerable communities that may be disproportionately impacted by climate events.

PERFORMANCE METRICS:

- Adoption of the Resilience Plan with annual updates on implementation.
- % public investment in resilience measures beyond flood zones and within socially vulnerable communities.

RECOMMENDED ACTIONS:

1. Complete the City's draft Resilience Plan and ensure that it includes an Equitable Resilience Framework.
2. Create a standard for resilience hubs that can be implemented within the City's most socially vulnerable communities.

GOAL 2

Expand the City's tree canopy by prioritizing planting within heat islands and within the communities most impacted by the heat islands.

PERFORMANCE METRICS:

- Increase the City's tree canopy to 50% of its total land area by 2036 and ensure a net gain of at least 1% each year to meet this goal.

RECOMMENDED ACTIONS:

1. Work with NOAA or other partners to conduct a citywide surface heat mapping that will augment exist data on heat islands based on impervious coverage and tree canopy.
2. Revise the City's tree mitigation policy to require a 5-year maintenance agreement rather than a perpetual easement.
3. Update the Street Tree Master Plan to include priority areas feasible for new tree planting in the public realm.
4. Initiate a pilot planting program for Minority-owned businesses based in the communities where the planting is targeted.
5. Develop soil amendment and watering guidelines for new street trees to enhance the survival rate of new street trees.
6. Initiate a community tree planting initiative in partnership with the Watershed Stewards Academy modelled after RePlant Anne Arundel program.
7. Create an online dashboard for tracking the City's tree canopy year by year to ensure the goal of 50% coverage is met by 2036.

GOAL 3

Reinforce vulnerable shoreline areas through the application of green infrastructure, grey infrastructure when critically necessary, and by addressing the root causes of soil erosion and natural landscape degradation.

PERFORMANCE METRICS:

- % of total shoreline reinforced

RECOMMENDED ACTIONS:

1. Conduct a flood resilience study for the Eastport Peninsula to identify feasible strategies for flood mitigation.
2. Complete the restoration of Hawkins Cove in partnership with HACA, and other community stakeholders.
3. Develop a comprehensive slope stabilization and erosion control plan for Truxtun Park's waterfront areas including priority actions.

GOAL 4

Promote a coordinated approach to food access that ensures all residents have access to high quality foods, and particularly foods which are locally harvested.

PERFORMANCE METRICS:

- Elimination of food deserts by 2025
- # of local and/or healthy food pop-up events organized annually close to communities in need.

RECOMMENDED ACTIONS:

1. As part of the City's Resilience Plan, create a map of food deserts and/or healthy food access gaps to help prioritize interventions.
2. Work with public and private partners to create new opportunities for farmers markets and other healthy food pop-up events within food deserts and other socially vulnerable communities.
3. Work with Parks and Recreation staff, Master Gardeners program, and/or other partners to create more opportunities for community gardening education, creation, and stewardship.
4. Work with Parks and Recreation staff and other partners to expand opportunities for recreational fishing and crabbing.

GOAL 5

Expand the City's biodiversity through a coordinated approach that combines conservation of natural assets, preservation of existing tree canopy, new planting strategies, and stewardship of protected areas.

PERFORMANCE METRICS:

RECOMMENDED ACTIONS:

1. Develop management guidelines for conservation easements, and particularly in regard to parcels identified as Environmental Enhancement Areas.
2. Prioritize potential conservation easements that are contiguous with existing conservation areas.
3. Update the City's Street Tree Master Plan to include new guidelines for tree preservation within private setback areas that contribute to streetscape canopy.
4. Work with the Deputy City Manager of Resilience and Sustainability, Department of Parks and Recreation, Annapolis Environmental Commission, and other partners to create a comprehensive stewardship guide and training program for city residents.

GOAL 6

Adopt a comprehensive approach to minimizing the City's carbon footprint that includes vehicle emissions, clean energy generation, green building standards, carbon capture, and other strategies for reducing greenhouse gas emissions.

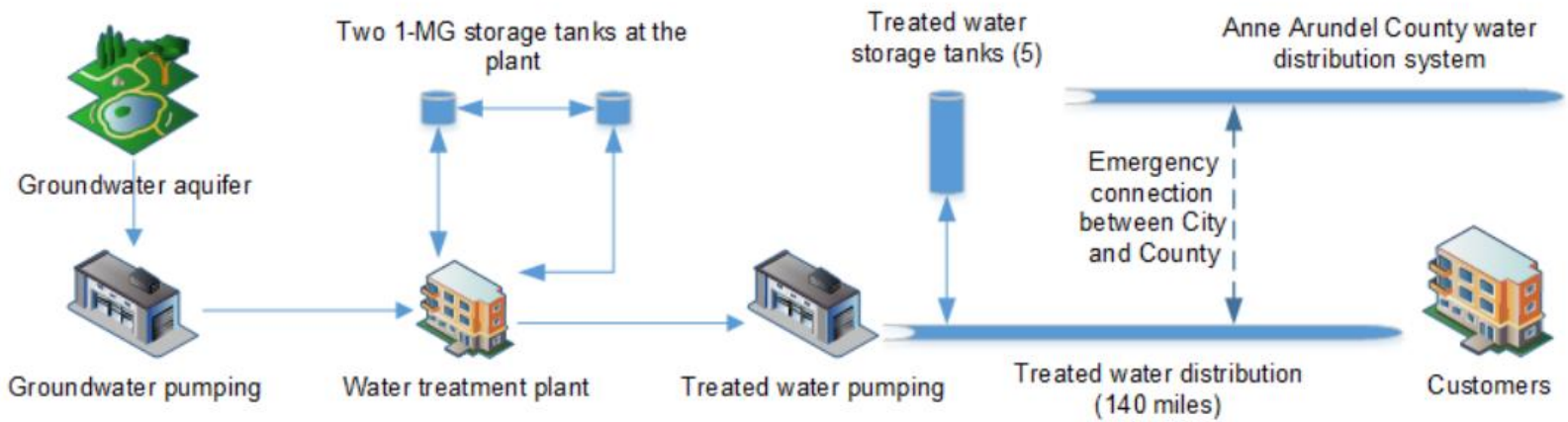
PERFORMANCE METRICS:

RECOMMENDED ACTIONS:

1. Implement the recommendations of the City's compost study, including a curbside compost pilot project and the development of a City-managed composting facility.
2. Continue to transition the City's fleet to electric vehicles with the goal of being completely electric by XXXX.
3. Transition the City's transit fleet to electric vehicles by XXXX.
4. Work with BGE and other partners to establish more public car-charging stations in Annapolis, particularly downtown.
5. Update the City's green building requirements to include new standards for energy efficiency, water efficiency, and site design.
6. Develop planting guidance for maximum carbon absorption in both public and private development projects.
7. Complete an inventory of Greenhouse Gas emissions from community level sources.

WATER RESOURCES

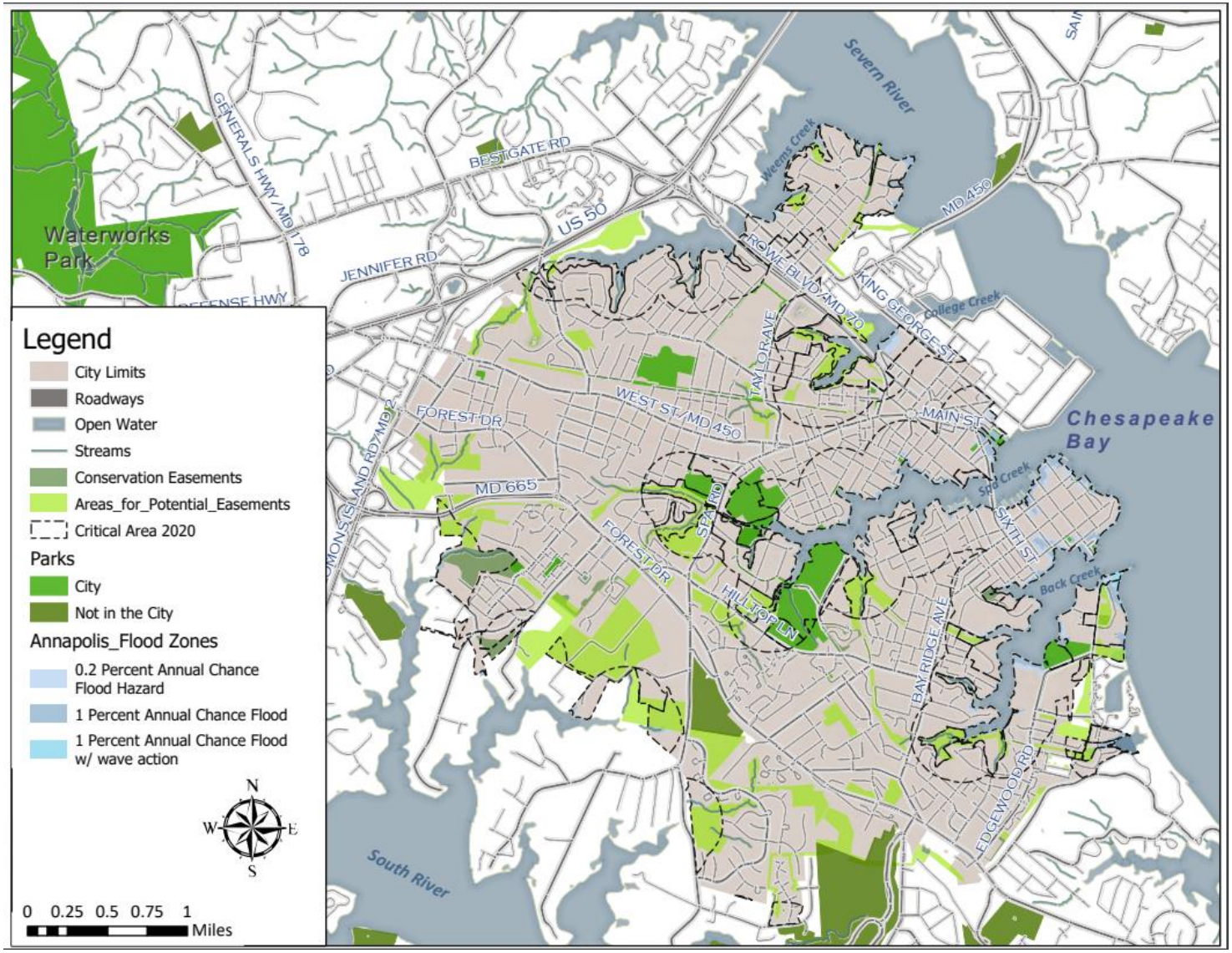
WATER RESOURCES



1.5 billion gallons of potable water produced per year	**8 Million Gallons per Day (MGD)** water treatment capacity	**137** miles of water pipes
1 water treatment plant	**5** elevated water storage tanks[4]	**2,900** water valves
8 groundwater wells (**3** aquifers)	**2** 1-MG[5]/each finished water storage tanks	**1,240** fire hydrants

WATER RESOURCES

GREENWAY EXPANSION



WATER RESOURCES

GREENWAY EXPANSION

Location	Ward	Conflict	Property	Vacant	Contiguous - Cons	Contiguous - Park	Critical Area	Flood Zone	Watershed	Trail Access	Water Access	Survey Justification	Comments
back10	7		private	Y/N	N	N	Y	Y	Back	N	Y		
back11	7		private - multiple/HOA	Y	N	N	Y	Y	Back	N	Y		
back12	7		private	Y	N	N	Y	N	Back	Y	N		
back13	7		private - HOAs, public - City	Y	Y	N	N	N	Back	Y	N	Connection to Trails	old rail line ease
back14	7		public - AA Co	Y	N	Y	Y	Y	Back	Y	N	Community Benefit	This buffer along
back15	7		private - multiple	N	N	N	Y	Y	Back	N	N	Connection to Other Plans	These rear years
back16	7		private	Y	N	N	Y	Y	Back	N	Y	Connection to Other Plans	Needed to conn
back17	7		private	N	N	N	N	N	Back	N	N	Community Benefit	establish greenv
back18	7		private	Y/N	N	N	Y	N	Back	Y	N		
back19	6		public - AA Co	Y	N	Y	N	N	Back	N	N		
back20	7		public - City ROW	Y	N	N	Y	N	Back	Y	N	Community Benefit	Could make offic
back21	8		private - church	Y/N	N	N	Y	Y	Back	Y	Y	Wooded Natural Area	The Education Tr
chase1	7		private - HOA	Y	N	N	Y	N	Chase P	N	N		
chase2	7		private	Y	N	N	Y	Y	Chase P	N	Y		
church1	3		private	N	N	N	Y	N	Church	N	N		
church2	3		public	Y	N	N	Y	N	Church	N	N		
church3	3		private	Y	N	N	N	N	Church	N	N	Connection to Other Plans	These areas are i
church4	3		public ROW	Y	N	N	N	N	Church	N	N	Connection to Other Plans	
church5	3		public ROW	Y	N	N	N	N	Church	N	N	Connection to Other Plans	
church6	3		public ROW	Y	N	N	N	N	Church	N	N	Open Space	
church7	3		public ROW	Y	N	N	N	N	Church	N	N	Connection to Other Plans	
church8	4		private	Y	Y	N	Y	N	Church	N	N	Open Space	connection to co
church9	3		private - multiple	Y	N	N	N	N	Church	N	N	Special Habitat	Large existing gr
church10	3,4		private - multiple	Y	N	N	N	N	Church/Spa	Y	N	Adjacent to existing Walking / Biking	Could be part of
college1	2		public - City	Y	N	Y	Y	N	College	Y	N		
college2	2		private	Y	N	N	Y	N	College	Y	N		
college3	2		private	Y	N	Y	Y	Y	College	N	Y		
college4	2		public - HACA	Y	N	N	Y	Y	College	N	Y		
college5	2		public - AA Co	N	Y	N	Y	Y	College	N	Y		
college6	2		public - cemetery	Y	N	Y	N	N	College	N	N	Connection to Other Plans	A ravine, occasio
college7	2		private	Y/N	Y	Y	N	N	College	Y	N	Wooded Natural Area	All on private pr
college8	2		public - State, Naval Academy	Y	N	N	Y	Y	College	N	Y		Currently State c
college9	2		private - cemetery	Y/N	N	N	Y	Y	College	N	Y	Open Space	Would provide c
college10	2		private - multiple	Y	N	Y	N	N	College	Y	N		
college11	2		private - multiple	Y/N	N	N	N	N	College	Y	N	Wooded Natural Area	Creates contigui
college12	1,2		private ROW	Y/N	N	N	Y	N	College	Y	N	Community Benefit	Safe, minimal tra
college13	2		public - State, private - multipl	Y/N	N	N	Y	Y	College	N	Y	Adjacent Stream or Other Headwaters	Good area to res

WATER RESOURCES

GOAL 1

Expand access and awareness of natural stormwater management best practices through community partnerships, a public information campaign, and small business and minority hiring.

GOAL 2

Dramatically reduce the City's high volume of stormwater runoff using a coordinated arsenal of tactics including conservation, removal of impervious cover, stormwater retrofits, changes to the site development code and adequate public facilities requirements, and other measures.

GOAL 3

Utilize an equity-driven approach to improving water quality within the City's creeks that prioritizes investments based on community need and environmental justice.

WATER RESOURCES

GOAL 4

Ensure that the City's water supply is protected, adequate in volume to supply future projected needs, regularly monitored for quality, and has the necessary infrastructure to be delivered without failure.

GOAL 5

Establish a proactive approach to managing wastewater infrastructure that mitigates pipe and pump failure, backups, and overflows, and integrates new technology when available.

GOAL 1

Expand access and awareness of natural stormwater management best practices through community partnerships, small business and minority hiring, and prioritization of watershed projects in underserved communities.

PERFORMANCE METRICS:

RECOMMENDED ACTIONS:

1. Work with Green Vest and other stormwater project contractors to integrate community involvement, minority subcontracting, and other possible programs to broaden awareness of stormwater management bmp's.
2. Work with Anne Arundel County to improve and expand the existing Stormwater Management Property Credit Program.
3. Eliminate single-use plastics within the City's waste stream through legislation and an educational campaign.

GOAL 2

Dramatically reduce the City's volume of stormwater runoff using a coordinated arsenal of tactics including conservation, removal of impervious cover, stormwater retrofits, changes to the site development code and adequate public facilities requirements, and other measures.

PERFORMANCE METRICS:

- Meet the TMDL goal of 20% reduction based on the EPA's Chesapeake Bay pollution diet.

RECOMMENDED ACTIONS:

1. Develop an development incentive program to encourage more green infrastructure interventions within large impervious areas.
2. Work with the Watershed Stewards Academy to develop a program that encourages homeowners to implement green infrastructure projects to capture and treat more stormwater on site.
3. Work with the Annapolis Conservancy Board to prioritize the conservation of undeveloped areas that would have the highest benefit to reducing stormwater runoff.

GOAL 3

Utilize an equity-driven approach to improving water quality within the City's creeks that prioritizes investments based on community need and environmental justice.

PERFORMANCE METRICS:

- % of total watershed improvement investment within areas of high social vulnerability and historic disinvestment.

RECOMMENDED ACTIONS:

1. Leverage the City's share of the Watershed Protection and Restoration (WPRF) Fee to stormwater outfalls at high-need locations.

GOAL 4

Ensure that the City's water supply is protected, adequate in volume to supply future projected needs, regularly monitored for quality, and has the necessary infrastructure to be delivered without failure.

PERFORMANCE METRICS:

RECOMMENDED ACTIONS:

1. Budget for the necessary water pipe upgrades across the eleven improvement areas as recommended in the 10-year Water and Sewer Plan.
2. Develop a public information campaign, and potentially an incentive program, to encourage residential and commercial water conservation and beneficial use of rainwater collection.
3.

GOAL 5

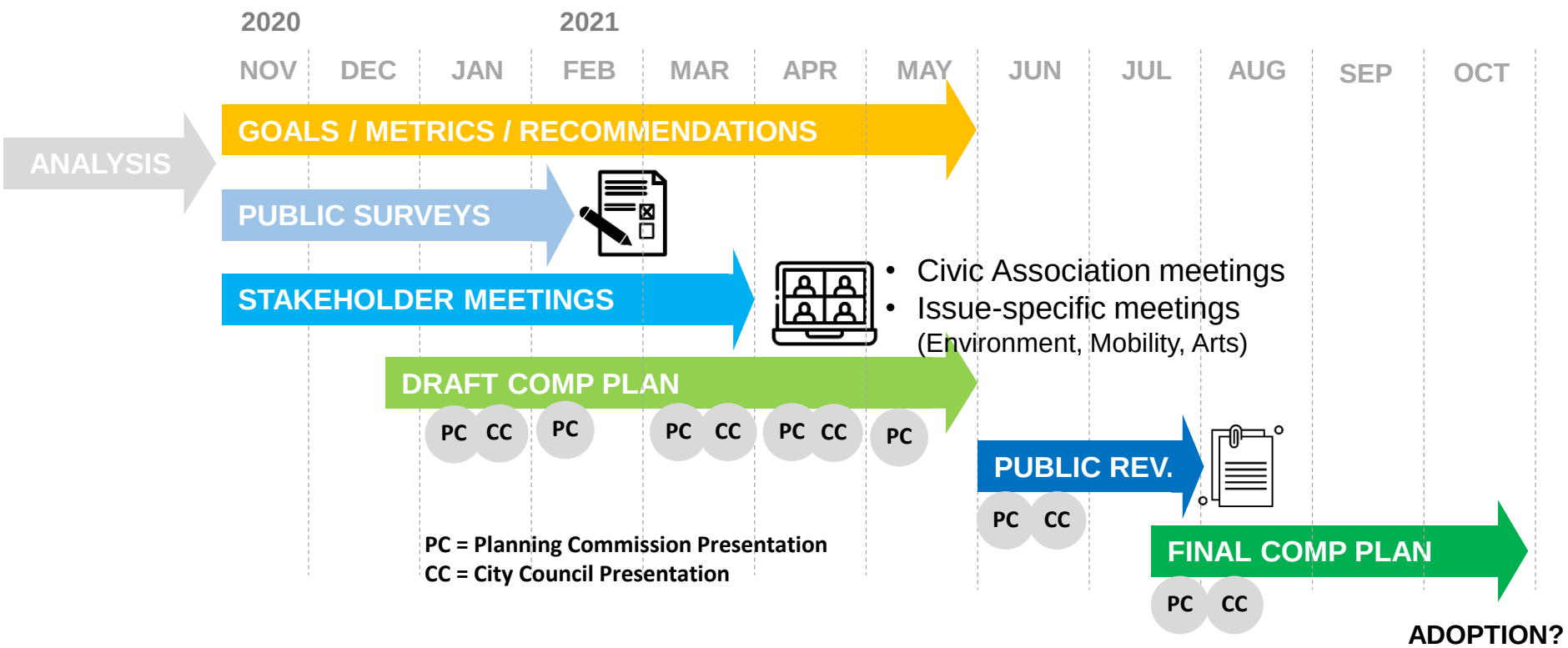
Establish a proactive approach to managing wastewater infrastructure that mitigates pipe and pump failure, backups, and overflows, and integrates new technology when available.

PERFORMANCE METRICS:

RECOMMENDED ACTIONS:

1. Budget for the necessary wastewater pipe upgrades across the five improvement areas as recommended in the 10-year Water and Sewer Plan.
2. Utilize a Capacity, Management, Operation, and Maintenance (CMOM) approach to managing the wastewater infrastructure.
3. Leverage the City's share of the Bay Restoration Fund to improve priority sites in the Critical Area for wastewater retrofits.

TIMELINE



Annapolis Ahead
ANNAPOLIS COMPREHENSIVE PLAN 2040