



# CITY OF BALTIMORE Climate Action Plan

Joint Commission Meeting  
*Planning Commission and Sustainability Commission*

May 17, 2023



# Overview

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- First plan in 2012
- 2023 update:
  - Equity is the filter for goals and actions and will be applied when developing implementation strategies.
  - Include a financial analysis and vet actions to model impacts such as green house gas emission (GHG) reduction
  - Actions will be assessed with criteria including City authority to implementation as well as the following community benefits:
    - Resilience
    - Public Health
    - Economic Prosperity (feels like it covers local green jobs too)
    - Social Cohesion



# Purpose

To guide City actions and City-community partnerships toward carbon neutrality in a way that:

- enhances urban sustainability;
- improves quality of life;
- enhances co-benefits;
- addresses equity and climate justice;
- prioritizes strategies; and,
- actions and builds a healthier city for current residents and future generations.



**In January 2022, Mayor Scott set new GHG emissions reductions targets for the city, including a carbon neutrality goal:**

- **30% reduction in carbon emissions by 2025 (relative to 2007)**
- **60% reduction by 2030 (relative to 2007)**
- **Carbon Neutrality by 2045**



# PERSONNEL & KEY STAKEHOLDERS



# City & Consultant Team

## Baltimore City Office of Sustainability Team

- Aubrey Germ, Climate and Resilience Planner
- Valerie Rupp, Climate & Resilience Manager
- Ava Richardson, Sustainability Director
- Amy Gilder-Busatti, Sustainability Manager
- Tara Josberger\*, CAP Outreach Intern
- Quentin Klein-Alfano\*, Climate Outreach Intern
- Durmon Jones\*, Climate Outreach Intern

\*Internships end before or in June 2023

## AECOM Consulting Team



Alison Nemirow  
Project Manager



Josh Lathan  
Technical Lead



Christopher Wassif  
Analyst



Vanessa Goh  
Sustainability  
Planner



# Stakeholder Engagement

- Technical Advisory Council
- Resident Advisory Council
- Public Engagement



# CAP PROCESS: UPDATE



# Climate Action Plan (CAP) Goals

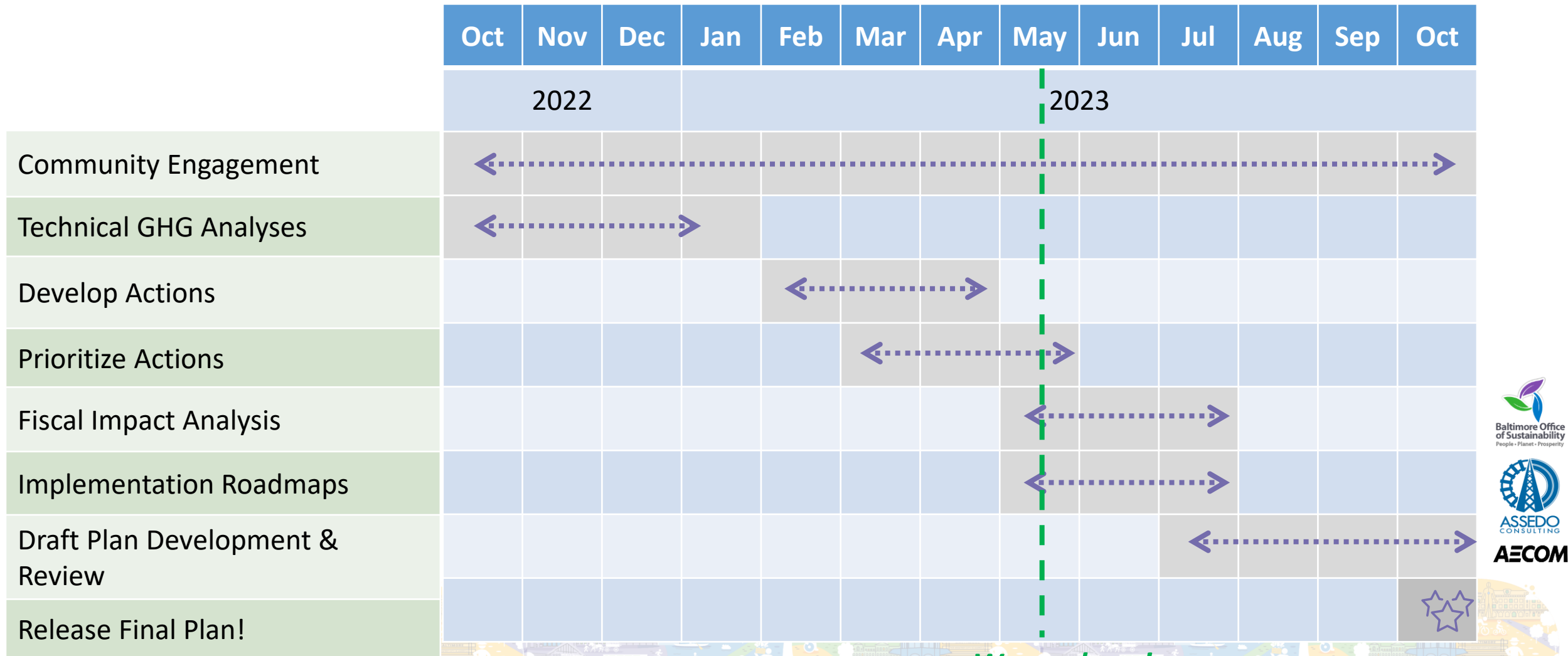
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- Develop a clear roadmap for the city to meet its **ambitious GHG reduction targets**.
- **Integrate equity** into the process, recommendations, and plan outcomes.
- Highlight the intersection of climate action and **other community and city priorities**.
- Be **accessible and useful** to all city stakeholders!





# CAP Update Process –Timeline



*We are here!*



# ACTION PRIORITIZATION PROCESS



# Action Evaluation & Prioritization Process

- **Goal:** Prioritize actions into Community-wide and municipal actions
- **Tool:** Action Selection and Prioritization (ASAP) Tool
- **Process:**
  - Evaluate actions for their impact on:

Criteria	Definition
<b>Primary Benefit (Emissions Reduction)</b>	An estimate of the emissions reduction potential of the action
<b>Community Benefits</b>	Benefits generated by climate actions beyond the primary benefit of emissions reduction
<b>Feasibility</b>	How easy or difficult it will be to implement the action



# Community Benefits & Feasibility Criteria

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## Community benefits

1. Resilience
2. Public Health
3. Economic Prosperity
4. Social Cohesion

## Feasibility Criteria

1. City ability to implement

Financial Analysis will also be used to consider the feasibility of actions in the plan

Equity is a filter for vetting actions. It will be a central consideration in the implementation roadmaps and strategies developed to implement the plan.



# A LOOK AHEAD



2/15/2023

Baltimore City - CAP RAC Meeting #8

13

# Next Steps:

## • Action Prioritization

- Sort into **near-, medium-, and long-term priorities**
  - Community wide and municipal actions are prioritized separately
- Use ASAP results to prioritize actions. Could consider:
  - Highest **emissions reduction, community benefit and feasibility** scores
  - Top actions in each **sector** (buildings, transportation, waste)
  - **Timing** – actions that need to be implemented now

## • Fiscal Impact Analysis

- Working with Baltimore City Department of Finance to **estimate the cost to the City** to implement the plan

## • Implementation Road Maps

- **Identify key actions, benchmarks, partners** to achieve goals

## • Draft Plan and Review

- **Internal** review
- Input from Sustainability & Planning Commissions
- **Public** comment period

## • Design

## • Finalization

- **Approval** by Sustainability & Planning Commissions

## • Awareness and Education

- **Strategies** to be developed for:
  - **Subcabinet** engagement
  - **Other partner and stakeholder** involvement
  - **Public** awareness



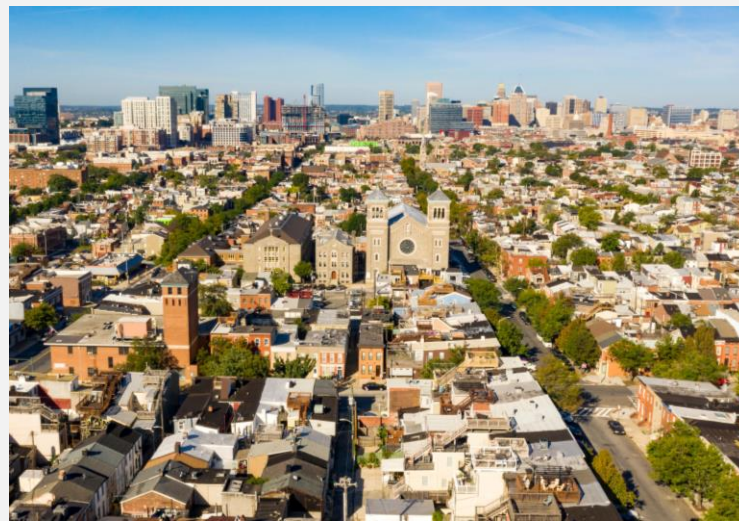


# CITY OF BALTIMORE Climate Action Plan

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*Planning Commission and Sustainability Commission*

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Brandon M. Scott  
Mayor

# Disaster Preparedness and Planning Project (DP3) - 2023 Update

Sustainability Commission  
+ Planning Commission  
Joint Meeting

**May 17, 2023**



# Overview



WHAT IS THE  
DP3?



PLANNING  
PROCESS



OPPORTUNITIES FOR  
ENGAGEMENT



NEXT STEPS



QUESTIONS

# Intro to Tetra Tech



- Carryout the overall planning process
- Provide technical support and subject matter expertise
- Develop outreach and engagement materials
- Facilitate meetings
- Draft and finalize the DP3
- Support the adoption process



**JaLeesa Tate, CFM**

Senior Community Resilience Professional

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**Jessica Stokes, MSEM, NJCEM**

Emergency Management Specialist

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# What is the DP3?

# What is the DP3?

- The DP3 is Baltimore's Hazard Mitigation Plan + Climate Adaptation Plan.
- Hazard Mitigation is a sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event.

Mitigation saves \$6 for every \$1 spent on average. Maryland can save up to \$100 million in benefits.



“...provides the blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and local ability...” (CFR).

# Hazard Mitigation Plans + FEMA



## HMPs:

- ✓ Are authorized by the Disaster Mitigation Act of 2000
- ✓ Provide an overview of the impacts of natural hazards on communities
- ✓ Provide a roadmap to reducing the impact of these hazards
- ✓ Require FEMA-approval for the jurisdiction to be eligible for pre-disaster mitigation funding
- ✓ Necessitate 5-year updates to maintain eligibility for FEMA funding

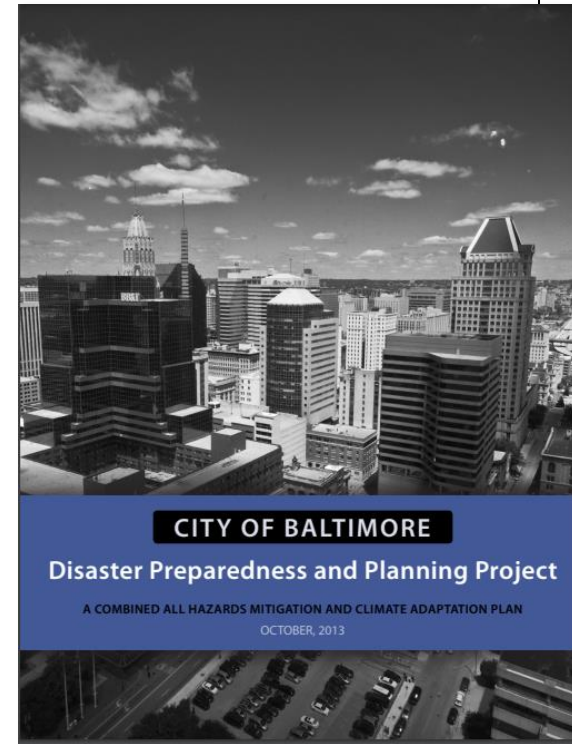
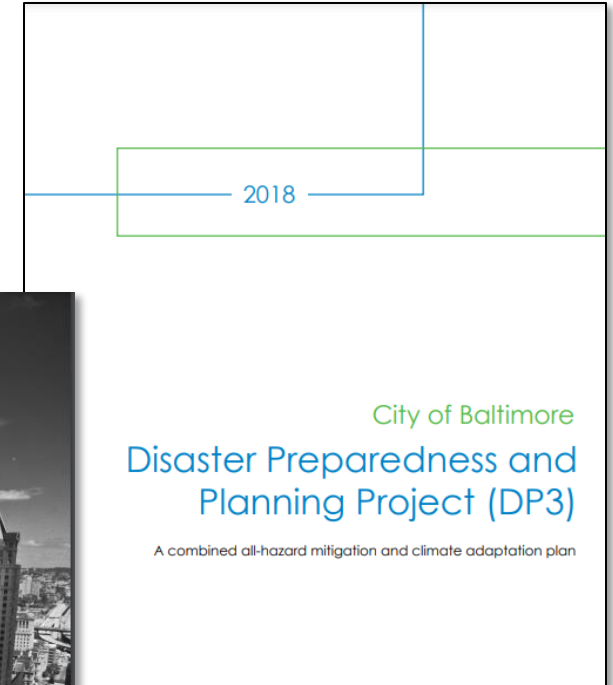
## FEMA HMP Priorities:

- **Climate Change:** Assess projected changes in natural hazards
- **Future Changes:** Project changes in population and development
- **Equity:** Inclusion of underserved communities and socially vulnerable populations; evaluate disproportionate risks
- **Building Codes:** Adoption and enforcement; inclusion of hazard-resistant provisions
- **High Hazard Potential Dams:** Evaluate all dam risk and include criteria required under HHPD grant program
- **Integration across FEMA programs:** Address Community Lifelines

# DP3 Goals



- **Protect the health, safety, and welfare** of Baltimore City residents and visitors
- **Prevent damage** to structures, infrastructure, and critical facilities
- **Build resilience and disaster prevention** and planning into all programs, policies and infrastructure
- **Enhance the city's adaptive capacity** to cope with future conditions
- Promote hazard mitigation and climate adaptation **awareness and education**
- Become an even **higher rated Community Rating System (CRS)** classified community



# 2018 DP3 Hazards

- **Flooding**
- **Coastal Hazards**
  - *Tropical Storms and Hurricanes*
  - *Sea Level Change*
  - *Tsunamis*
- **Precipitation Variability**
  - *Nor'easters*
  - *Drought*
- **Wind**
  - *Tornado*
  - *Derecho*
- **Extreme Heat**
  - *Air Quality and Respiratory Illnesses*
- **Land**
  - *Earthquakes*
  - *Land Subsidence*
  - *Urban Karst/Sinkholes*



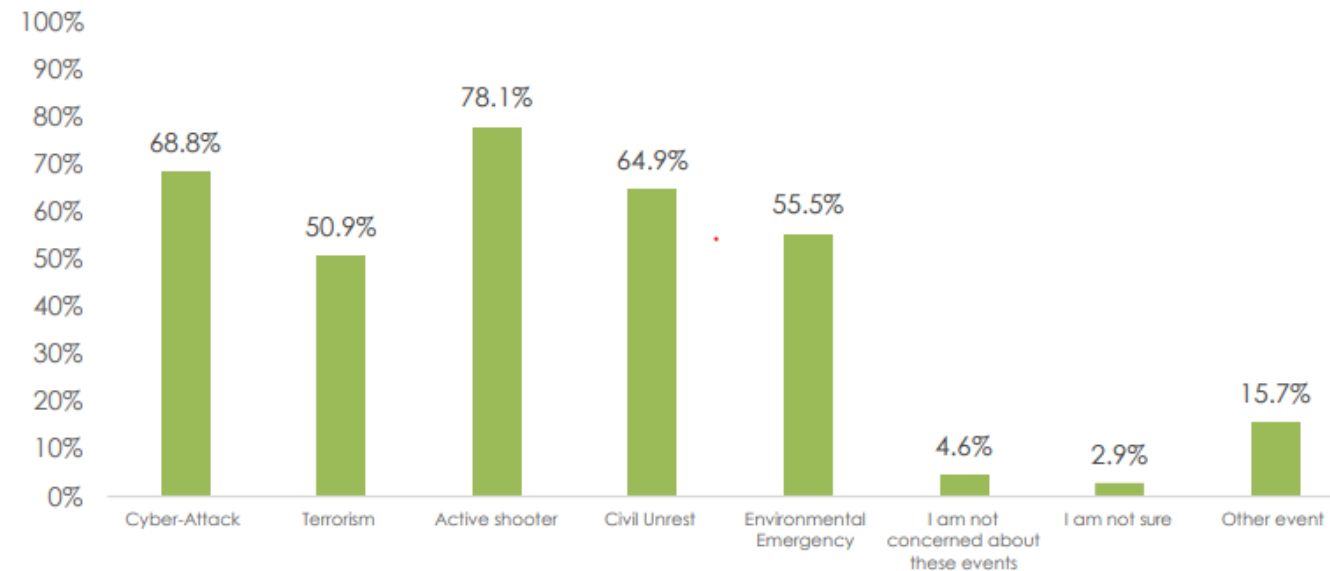
# 2023 DP3 Update: New Features



- Updated hazard data, climate science, and GIS mapping
- Improved focus on and granularity of data around socially vulnerable populations
- Updated critical facilities data
- Restructuring of hazard categories
- Inclusion of dam data
- Inclusion of priority human-caused hazards
- Expansion of actions identified in Chapter 6 – Moving Forward (such as food resilience)
- Rewritten and reprioritized mitigation actions
- High level financial analysis of priority

## 2018 DP3 Community Survey Results

Percentage of Respondents Concerned about Man-Made Hazards







# Planning Process

# Planning Process



# Project Structure



- **Core Planning Team (CPT)** serves as the discipline leads to guide the development of the DP3. The CPT meets to discuss project status, support data gathering, troubleshoot any issues, inform the development of HMAC and public meeting materials, and review drafts.
- **Hazard Mitigation Advisory Committee (HMAC)** composed of stakeholders across disciplines and community leaders throughout the city and region. Provides input and guidance on the development of the DP3, provides subject matter expertise, and advises the CPT on community needs and concerns to ensure community representation and inclusion in the planning process.
- **Social Equity Committee (SEC)** (still being formed) composed of residents and community leaders that convene to discuss vulnerabilities and advise on equitable action development and prioritization.
- **Community Stakeholders and General Public** may be businesses, private citizens, community organizations, etc. that partake in various public engagement opportunities throughout the planning process.

# Key Partners

Core Planning  
Team



Hazard  
Mitigation  
Advisory  
Committee

Stakeholders  
and the  
Public



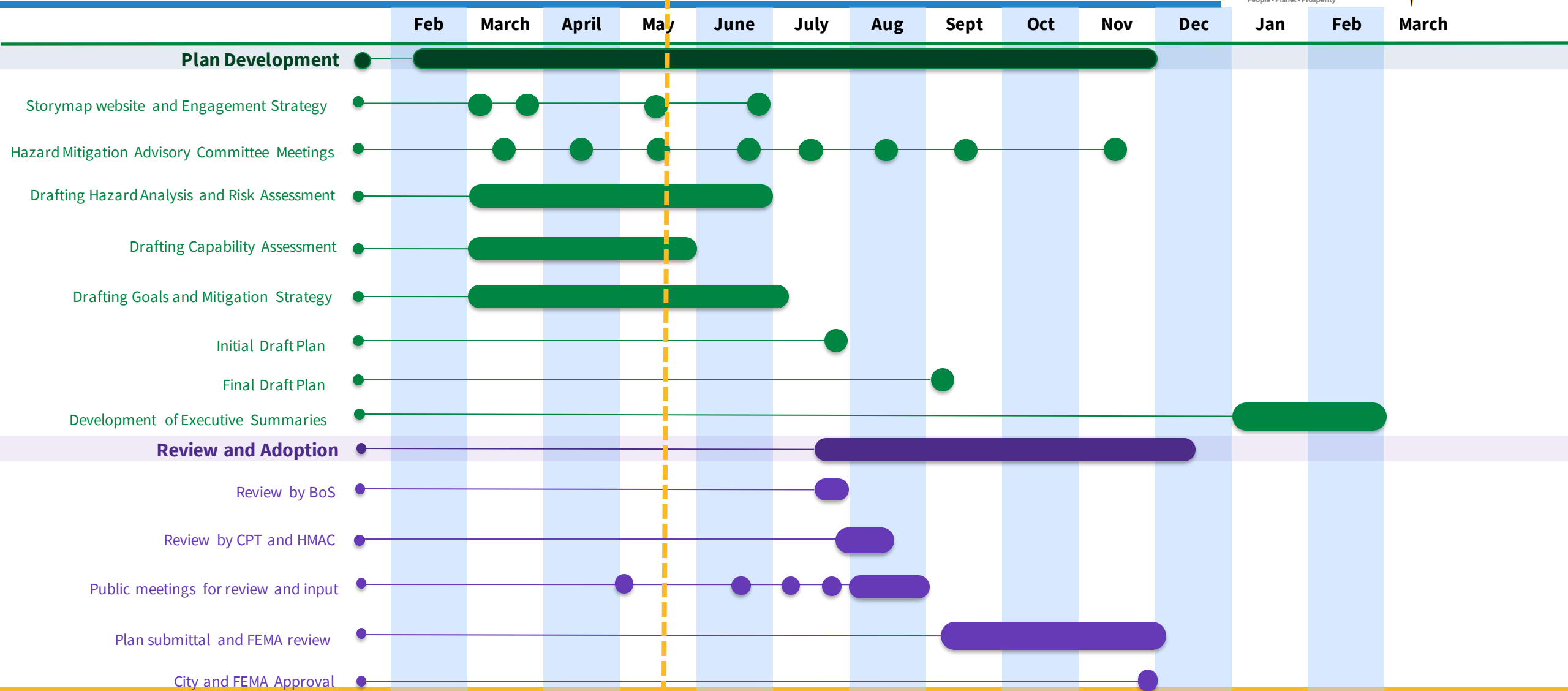
MDEM &  
FEMA



FEMA

# Timeline

We are here





# Opportunities for Engagement

# Engagement Strategy

- Public Meetings and Workshops
- Outreach at Community Events
- BoS Website Updates
- Social Media Posts
- StoryMap
- Surveys (online and hardcopy)



# Engagement Opportunities



- Public Survey:
  - <https://www.surveymonkey.com/r/DP3PublicSurvey>



- Stakeholder Survey:
  - <https://www.surveymonkey.com/r/DP3StakeholderSurvey>



- Visit the DP3 Webpage for upcoming meetings and  
  - <https://www.baltimoresustainability.org/plans/disaster-preparedness>







# Next Steps

# Next Steps



- Take / share the surveys!
- Attend DP3 Community Engagement Events
  - Wednesday, June 21<sup>st</sup> - Sustainability Open House
  - Early July – In-person Workshop (TBD)
  - Late July – In-person Workshop (TBD)
- Engage with the StoryMap (coming soon)
- Check the DP3 webpage and Baltimore City social media for Plan updates and chances for engagement
  - <https://www.baltimoresustainability.org/plans/disaster-preparedness-plan/>
- Comment on the Draft Plan
  - Posted on Konveio
  - Public briefing to Planning Commission during public comment period
- Email [aubrey.germ@baltimorecity.gov](mailto:aubrey.germ@baltimorecity.gov) with any questions, concerns, or comments.



**Brandon M. Scott**  
Mayor

# Questions

# Project Contacts

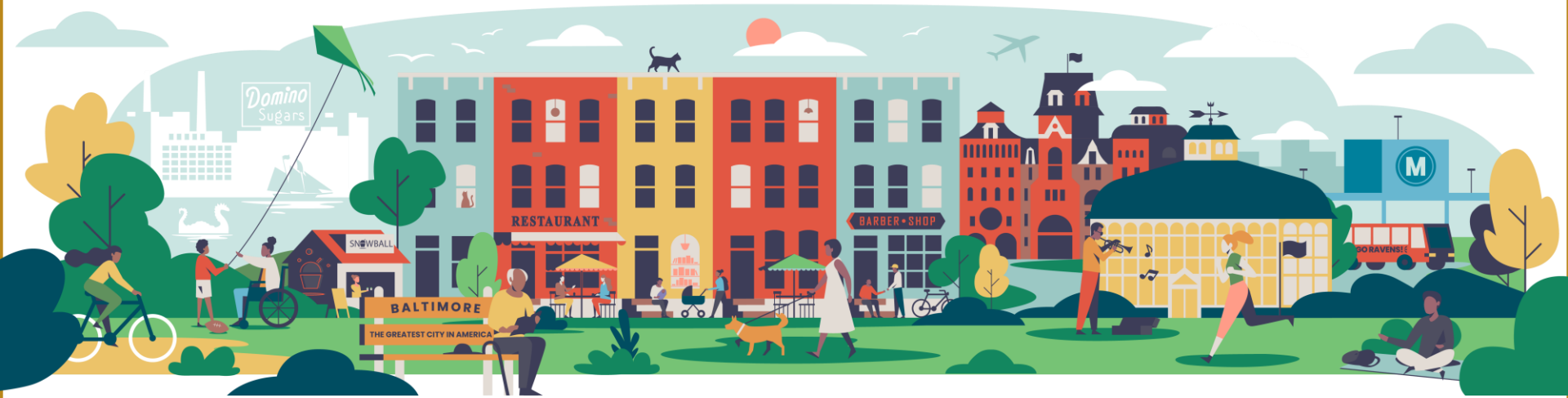


## **Aubrey Germ, AICP, CFM**

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## **JaLeesa Tate, CFM**

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# COMPREHENSIVE PLAN



**BALTIMORE CITY  
DEPARTMENT  
OF PLANNING**



# What is Our Baltimore and Why is it Important?

- Our Baltimore is our City's first Comprehensive Plan update since 2006.
- The focus of the plan is the **spaces, places, and neighborhoods** that make Baltimore home.
- Urban planning ties this planning process together – how can City policies related to **urban planning** make the experience of living in Baltimore better for existing residents?

# Background

- Every jurisdiction in Maryland is required to complete a 10-year Comprehensive Plan following each decennial census.
- The plan must include certain required elements, but otherwise jurisdictions have flexibility to approach the plan as they choose.
- The plan must be submitted to the State Department of Planning for review by 2024.
- In addition, the City Charter requires the Planning Commission to adopt and revise a master plan for the proposed physical development of Baltimore City.

## Focus of Comprehensive Plan

- Guide *equitable* neighborhood development over the next 10 years and beyond
- How to retain and support residents
- How to make Baltimore an inviting place to live so residents will:
  - want to stay
  - benefit from staying
  - invite their friends to live in Baltimore



# Building Blocks for Comprehensive Plan

Existing  
and New  
Plans

2020  
Census  
Results

Mayor's  
Pillars/  
Action  
Plan

Community  
Engagement

# Planning Process

## Planning Process.



The planning process is being led by the Department of Planning with support from an Advisory Council, Engagement Leadership Team, and other city agencies.

### **SPRING 2022 – LISTENING: ESTABLISHING VISION AND TOPICS**

The City and our engagement partners are collecting community input and ideas to develop the plan's key themes, visions, and goals.

### **FALL 2022 – CREATING: DEVELOPING RECOMMENDATIONS**

We will engage stakeholders to develop and refine goals, strategies and recommendations to address the topics identified in the listening phase.

### **2023 – DRAFTING AND REVIEWING: WRITING AND REVISING PLAN**

We will engage stakeholders to provide feedback on a draft plan.

# Spring/Summer 2022

## LISTENING: Establishing Vision and Topics

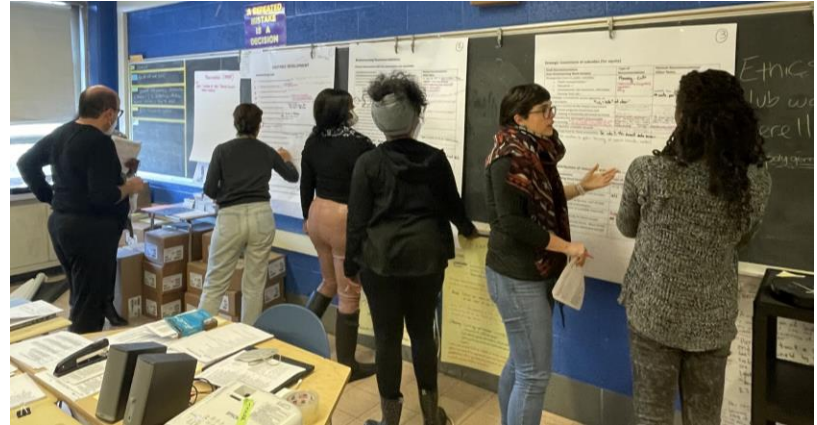
- Open Houses
- Engagement Partners
- Storytelling Ambassadors
- Online Survey



# Fall 2022/Winter 2023

## CREATING: Brainstorming Recommendations

- Work sessions in each planning district
- Work sessions with topic experts
- Community conference
- Online Feedback



# 2023: DRAFTING AND REVIEWING

- Policy Recommendations
- Planning for Retention and Growth
- Area Planning



# Policy Recommendations

## Livable Places

- Equitable Neighborhood Development
- Affordable housing
- Vacant housing
- Historic resources
- Public Spaces/Placemaking

## Equitable Access

- Public transit
- Food access/security
- Digital equity and broadband
- Access to green spaces/well maintained parks

## Inclusive Economy

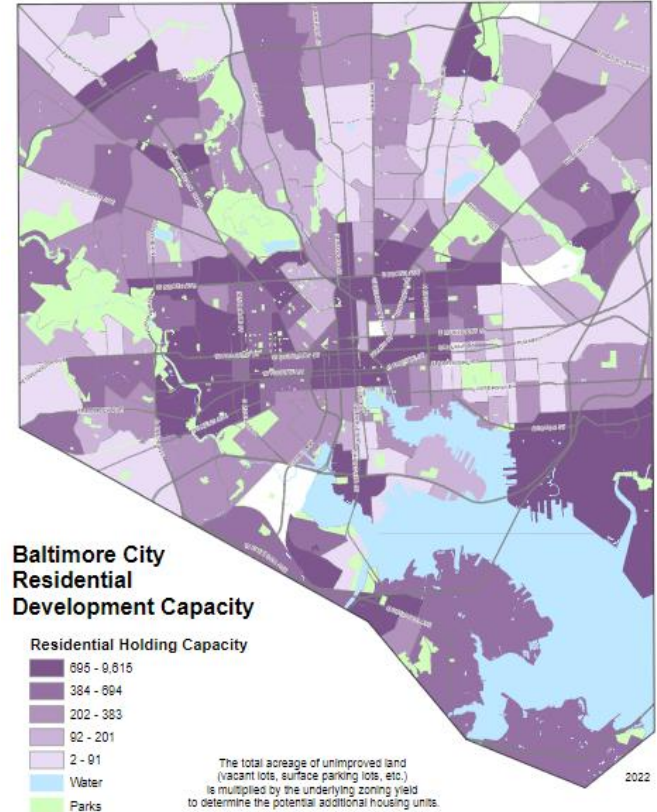
- Baltimore's Competitive Growth Sectors
- Workforce Development
- Neighborhood retail
- Small business ecosystem
- Freight movement

## Healthy Communities

- Environmental justice
- Public health disparities
- Neighborhood Cleanliness
- Designing for Public safety
- Trees and Forests

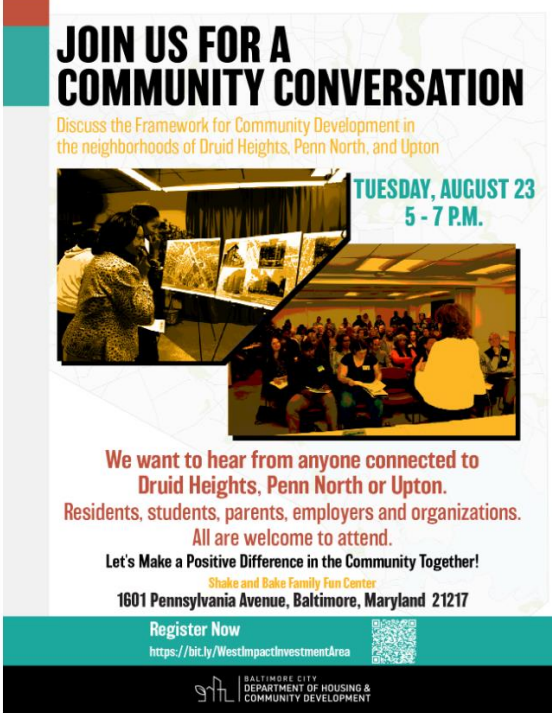
# Planning for Retention and Growth

- Housing Market Typology
- Impact Investment Areas
- Middle Neighborhoods
- Green Network
- New Residential Construction Opportunities
- Proposed Land Use Map
- Infrastructure



# Area Planning


- INSPIRE
- Perkins Somerset Oldtown
- Middle Branch
- Reconnecting West Baltimore
- Greenway Trail
- Downtown



**JOIN US FOR A  
COMMUNITY CONVERSATION**

Discuss the Framework for Community Development in  
the neighborhoods of Druid Heights, Penn North, and Upton

**TUESDAY, AUGUST 23  
5 - 7 P.M.**




**We want to hear from anyone connected to  
Druid Heights, Penn North or Upton.  
Residents, students, parents, employers and organizations.  
All are welcome to attend.**

**Let's Make a Positive Difference in the Community Together!**

*Shake and Bake Family Fun Center*  
**1601 Pennsylvania Avenue, Baltimore, Maryland 21217**

**Register Now**  
<https://bit.ly/WestImpactInvestmentArea>



**SHIL** BALTIMORE CITY  
DEPARTMENT OF HOUSING &  
COMMUNITY DEVELOPMENT



# Our Baltimore Home | OurBaltimore ([planourbaltimore.com](http://planourbaltimore.com))

## Questions and Comments



**BALTIMORE CITY  
DEPARTMENT  
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