Resilient Hampton
Downtown Hampton, Phoebus & Buckroe Water Plan
Community Meeting

May 18, 2022
Welcome!
Introductions

- City of Hampton Staff
- Waggonner & Ball Staff
- Moffatt & Nichol
Agenda

6:30pm-7:00pm  Presentation
  Resilient Hampton vision
  Water plan analysis
  Themes & strategies

7:00pm-7:10pm  Q&A

7:10pm-8:00pm  Gallery Walk & Feedback

Please sign in to let us know you’re here!
Resilient Hampton Initiative
Resilient Hampton

**Resilience** is the bolstering of a community's inherent strengths in order to alleviate chronic stresses and enable recovery from extreme events and shocks in ways that make the community even stronger than before.

Forces of water
The Challenge

Climate Change
Projected 1% Annual Flood Risk

2040

2080
Sea Level Rise and Drainage Capacity

Most of Downtown Hampton drains into the Hampton River via small or mid size culverts. Significant culvert outlets are located at the ends of Lincoln St and Wine St. Major culverts in downtown Hampton are located underneath land projected to be underwater by 2100 with culvert inundation preceding land inundation. This will decrease the drainage capacity in rain events and create back flow conditions, exacerbating existing flood risk already increasing due to sea level rise.
Resilient Hampton Timeline

- Dutch Dialogues
  - Catalyst
  - Living with Water
  - Commitment

- Living with Water Plan
  - Guiding Principles
  - Goals
  - Values

- Newmarket Creek Pilot
  - Water Plan
  - Pilot Projects
  - Education

- Downtown, Phoebus, Buckroe
  - Water Plan
  - Projects
  - Education

Complete
Implementing
Next Steps
Dutch Dialogues

• In the long term it is more effective to work along with the system instead of working against the system.

• A water-based approach requires a larger perspective, in scale as well in time. You need a regional approach and a dot at the horizon.

• You need the courage to think big, and the guts to act small.
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2015

2015-2018 Complete Implementing Next Steps
Our Mission: Living with Water

To envision, create, and empower Hampton to live and thrive with water and the impacts of climate change through approaches driven by data and values.
Our Values

**Safe**
reducing risk during major events and creating safe, reliable systems

**Equitable**
prioritizing strategies that create benefits for all, and supporting marginalized sectors of the community

**Natural**
repairing and protecting natural systems in order to sustain them for the future

**Nimble**
adapting in the face of changing environments, improved data, and new best practices

**Integrated**
leveraging public/private investments to support the local economy and being fiscally responsible

**Sufficient**
adapting in the face of changing environments, improved data, and new best practices

**Heritage**
appreciating the history and culture of local communities and supporting it into the future

**Innovative**
creating forward-thinking solutions
Our Goals

1. Address the Challenge
2. Embrace the Initiative
3. Adopt Resilience Standards
4. Solutions at Multiple Scales
5. Educate Community
6. Follow Guiding Principles
7. Evaluate
8. Lead the Way

With partners at multiple scales
Resilient Watershed Strategies
SLOW

Bioswale

Permeable Paving

Rain Garden
ADAPT

FLOATING BUILDINGS

ELEVATED BUILDING

ELEVATED ROAD
BUFFER

Living Shoreline

Dune and Beach Nourishment

Oyster Reefs
PROTECT

Berms and Levees

Drainage Pumps

Seawalls and Floodwalls

Tide Gates and Valves
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Downtown, Phoebus, Buckroe
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2015
2015-2018 Complete Implementing Next Steps
2018-present
Newmarket Creek Watershed Vision
Hampton Opportunities

Front Yard Rain Gardens

Image Credit: Capitol Region WD
Resilient Hampton Timeline

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- 2015
- 2015-2018 Complete Implementing Next Steps
- 2018-present
- 2021-present
Expanding Watershed Planning

Newmarket Creek Watershed

Downtown, Phoebus & Buckroe Watersheds
Water Plan Purpose

Analyzes the landscape and challenges, both physical & social

Establishes a vision for the future of the resilient watershed

Identifies & presents projects to achieve the vision
# Water Plan Schedule

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**WE ARE HERE**
Community Mapping + Input

You are the expert on your neighborhood.

Tell us…

⭐ What community assets do you care about?

💧 Where have you experienced flooding?

🔥 Where does it get too hot?

🌿 Where could we plant more trees?
Collaborative Design Workshop
Water's Edge

- Work from water to land
- Interface at Bay, River, Creek, Wetland Edges
- Adapt, Buffer, and Protect Strategies
Watershed

- Work from High Ground to Low Land
- Stormwater Issues
- Impervious Surfaces, Canals, Waterways,
- Slow, Store, Redirect, and Adapt Strategies
Cores + Connections

- Development Drivers and Patterns
- Corridors and Urban Cores
- I-64, Birthplace of America Trail
- History, Character, and Identity
• Reduce paving, increase trees
• Maintain existing character; working waterfront
• Utilize empty / vacant parcels; floodable parks
• Vegetated shorelines
• Clean ditches (expand?)
• Residential and commercial areas together (mixed-use)
• Storm flooding; infrastructure improvements
• Walkability desired
• Connect downtown to other areas of City
Expanding Watershed Planning
Watershed Wide Strategies Map
Downtown

- Emerging residential
- Government center
- Lack of cohesive identity for the urban core
- Lack of large gathering space
- Excess pavement
- Traffic accessibility
- Older infrastructure
- Little opportunity for water filtration
- Lack of critical mass: restaurants, nightlife, etc.
Phoebus

• Pride of place
• Driver of tourism
• Restaurants and specialty shops
• Old infrastructure
• Emergency access
• Drainage issues
• Gentrification
• Vacant properties
Buckroe

• Fishing industry
• Old Infrastructure
• Nuisance flooding
• Increasing dry access
• Loss of tree canopy- large trees
• Preserving historical identity
• Incentives for more "green" development
Influence of History

Connect to and preserve historic identity while looking to the future
- Sustainable reuse of historic properties and infrastructure
- Military activity, rail and trolley corridors, tourism, working waterfront, emancipation proclamation, Black rights and freedoms

Connect to and restore natural history
- Trees and waterways – Emancipation and Algernourne Oaks
Build upon existing assets
• Boating, fishing, access to marsh
• Fill vacancies with locally-owned hospitality, restaurants, night life, and specialty retail
• Utilize local partnerships

Create a strategic approach to parking
• Parking garages
• Increased vegetation
• Solar and EV charging
Cores and Connectivity

Enhance access within neighborhoods

Improve connectivity between neighborhoods and beyond

• Varied grid networks within study areas
• Old/aging infrastructure
• Sidewalks and multi-use trails
• Bike lanes
Public Access to Water

Support working waterfront

Create multi-purpose opportunities at the waterfront

• Commerce
• Recreation
• Transportation
• Education and research
Concerns with Flooding

Address multiple drivers
• Nuisance flooding, storm impacts, flooding from creeks and bay

Address standing water
• Reduce threats to infrastructure
• Improve drainage
• Too much pavement

Provide dry access to roadways
• Emergency services
• Prioritizing the socially vulnerable
Downtown
Resilient Downtown Development
Parking Forests, Permeable Paving
Solar + Charging
North Phoebus Connections
John’s Creek to Long Creek Corridor
Multiple Lines of Defense: Living Shoreline + Wetland Restoration
Potential Connection to Fort Monroe
Long Creek Polder

Recent Flooding at 5th Street at Long Creek
Policies and Programs

• Develop resilient land use policies
• Create and enforce development standards and guidelines
• Encourage community engagement and education
• Develop a robust program around natural infrastructure
• Create a system for resiliency data management
Questions?
Help us create the plan

- Remember: **this work is preliminary**! We need your guidance for where to focus.

- **Dream big** and **share your ideas** for creating an optimistic, exciting, adapted future in these neighborhoods.

- Keep in mind Resilient Hampton's **mission** and **values**.

We need your input to develop projects, policies, and projects that you want to see in your neighborhoods.
Thank you!

Help us spread the word

• Check out the online page
• Take a feedback form and follow-up with your additional ideas

Contact us with questions/comments:
resilient@hampton.gov
(757) 727-8311

www.hampton.gov/resilient

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