

# Chesapeake Bay Phase III Watershed Implementation Plan Update

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# HRPDC's Phase III Watershed Implementation Plan (WIP) Process

## What?

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- Make voluntary reductions in unregulated developed, natural, and septic sectors

## How?

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- Contract with PDCs, quantify practices that can be put in place by 2025, identify gaps in funding, programs, and policy

## Why?

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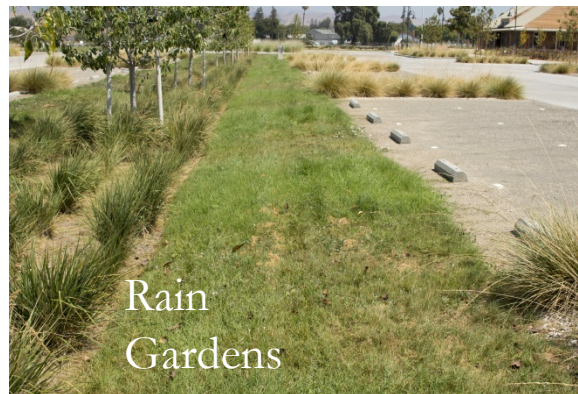
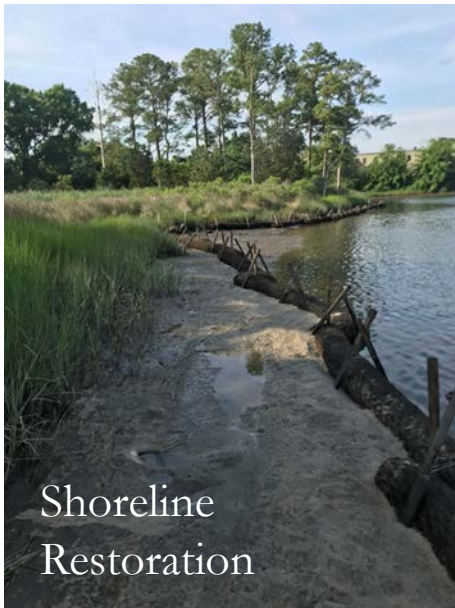
- Address the non-regulated loads, which make up a significant portion of the Commonwealth's Bay watershed

# Reduction strategies for voluntary practices

Reduction Goals = 42,044 lbs Nitrogen and 36 lbs of Phosphorus

Goals will not be met for Nitrogen:

- Limited by location, most would have to be on private land
- Low nutrient removal for popular Best Management Practices (BMPs)
- High administrative burden to identify and maintain



# Programmatic Actions: Long-term

Create incentive programs and increase funding

Stormwater Local Assistance Fund

VA Conservation Assistance Program

Voluntary BMPs

Septic programs

Research and increased BMP crediting

Shoreline management

Coastal resiliency BMPs

Boat pump-outs

Litter BMP

Tidal wetlands

Reporting & Verification

BMP Verification

VDH Requirements

# Programmatic Actions: Short-term

## “Out of the Box”/Cost-effective solution

- Proposal to close Boat Harbor Treatment Plant and treat water at Nansmond Plant
- \$200M cost – request for funding assistance from Commonwealth in the form of WQIF grants and/or sub-fund
- Closure would reduce 500,000 lbs of nitrogen & 100 lbs of phosphorus for region to meet WIP III goals by 2025



# Things to consider

- Not meeting the goal could be viewed as not meeting the expectations of the contract
  - Expect feedback from the Secretary of Natural Resources to try harder
- Voluntary workload that goes beyond local regulatory requirements
  - Major obstacle to meeting goal is time commitment of local staff to find sites, work with property owners, and design BMPs
- A quicker solution proposed by HRSD would meet the goals, but not the intent of the contract
  - Would be in addition to proposed programmatic actions