



**Maryland**  
Department of  
the Environment

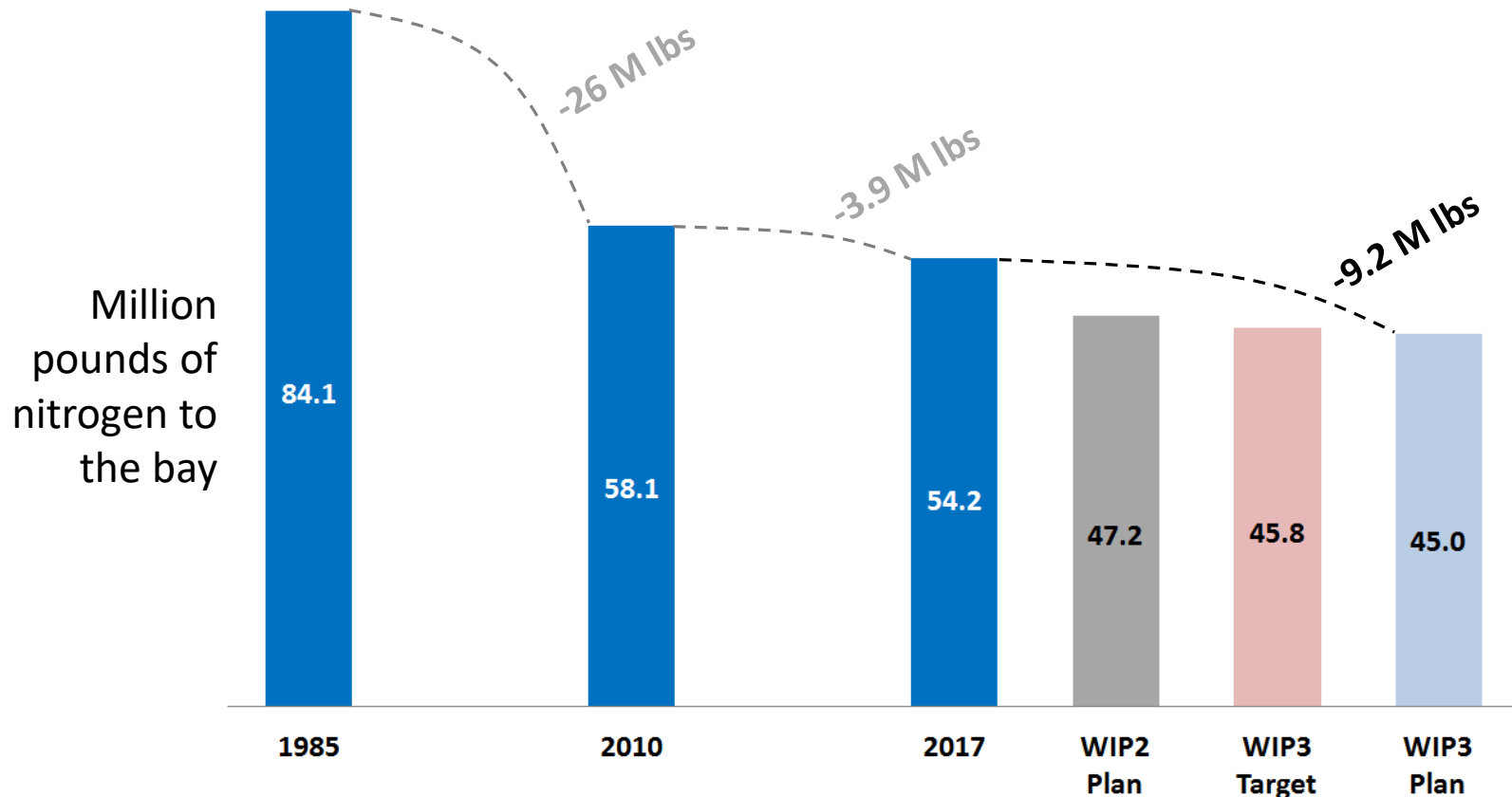
# **Highlights on Maryland's Draft Phase III WIP for the Chesapeake Bay**

May 9, 2019

Presentation to the Principals Staff Committee



# Current Progress and Achieving the WIP



The State is **on track** to meet its phosphorus and sediment goals



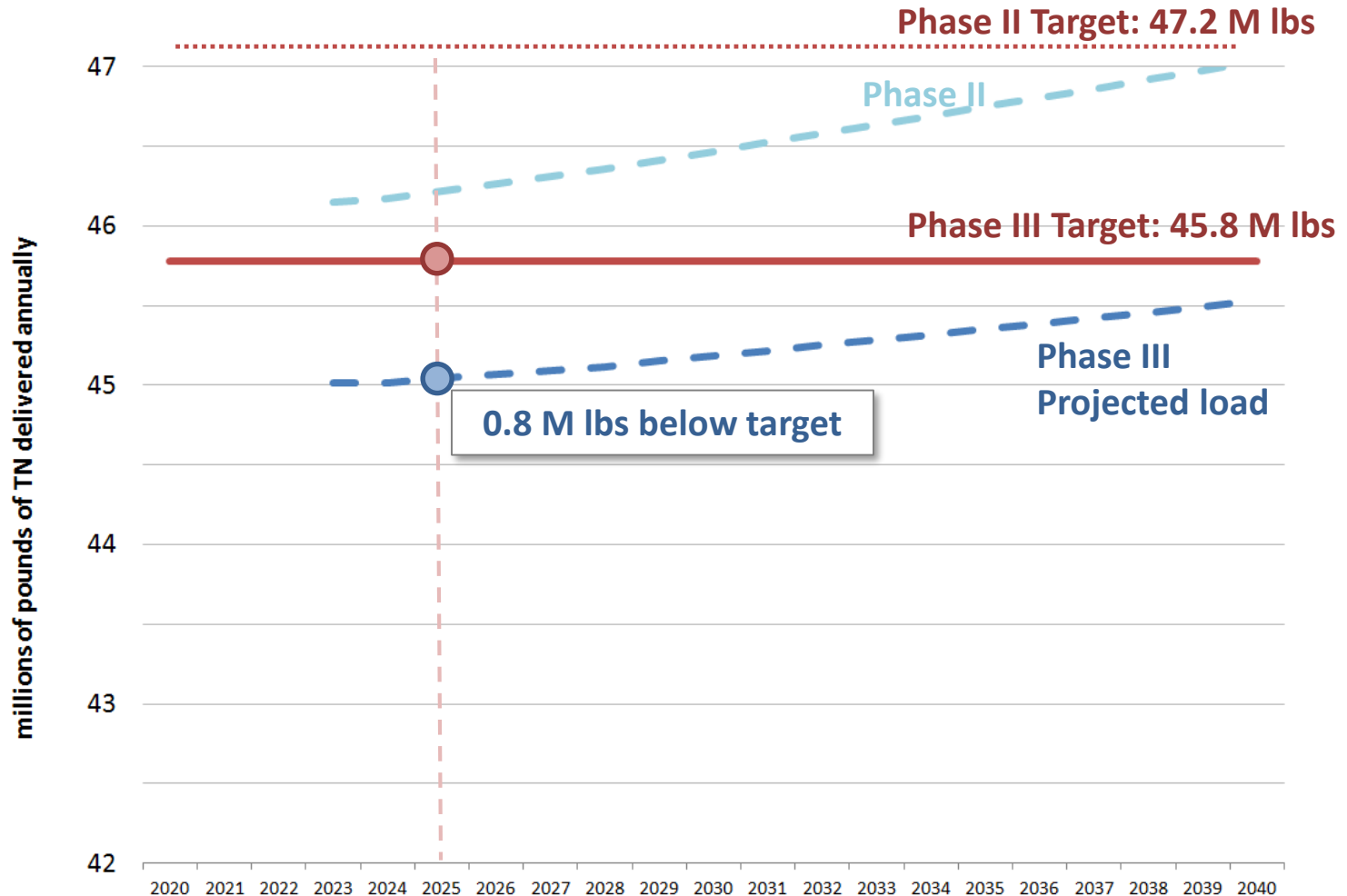
# Principles for Maryland's WIP

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- **Locally-driven**
  - Based upon robust engagement process, local plans and commitments
  - Co-benefits
- **Achievable**
  - Cost effective
  - Builds on lessons learned in Phase 1 and 2
- **Balanced**
  - Balance of regulations and incentives
  - Balance of immediate/near-term actions and longer term sustained efforts across sectors



# Achieving the Phase III WIP Target





# Maryland's Strong Investments

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## **Governor Hogan has invested \$5-billion since taking office!**

- **Full funding of Maryland's key Bay restoration programs**
  - Trust Fund
  - Program Open Space
  - Bay Restoration Fund
  - Maryland Agricultural Cost Share
- **Federal funds**
  - Farm Bill funding
  - Drinking Water Revolving Loan Fund
  - WQ Revolving Fund
  - EPA Grants (106, CBRAP, CBIG, 319, etc)
- **Significant local funding**
  - Stormwater restoration



# Key Sector Strategies

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## 1. Wastewater

- Average concentration 3.25 mg/L nitrogen through ENR upgrades and O & M grants.

## 2. Agriculture

- Additional soil & water conservation plans, ditch management, riparian buffers, additional NM compliance, and continuing cover crop implementation

## 3. Stormwater

- Phase 1 avg. of 2% annual retrofit, Phase 2 with 20% over permit term, emphasis on practices with climate and other local cobenefits

## 4. Septics

- Continued focus on upgrades in highest loadings/areas with health risks, septic connections, and septic stewardship/maintenance



# Conservation, Protection & Growth

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- Phase III Built on 2025 Land Use (BMPs applied to that projection)
- Forest Conservation Act
- Agricultural Preservation
- Priority funding areas
- Program Open Space
- Critical Area protections
- All other zoning and conservation measures
- Stormwater environmental site design



# Draft WIP Plan: Nitrogen by Sector

| Source Sector | 2017 Progress<br>(M lbs TN/yr) | Phase III WIP *<br>(M lbs TN/yr) | Change in Load<br>(M lbs TN/yr   Percent) |
|---------------|--------------------------------|----------------------------------|---|
| Agriculture   | 22.4                           | 18.0                             | -4.4   -20%                               |
| Stormwater    | 9.4                            | 9.2                              | -0.2   -2%                                |
| Natural       | 8.1                            | 8.1                              | 0.0   0%                                  |
| Septic        | 3.1                            | 3.1                              | 0.0   0%                                  |
| Wastewater    | 11.3                           | 6.6                              | -4.7   -41%                               |
| <b>Total</b>  | <b>54.2</b>                    | <b>45.0</b>                      | <b>-9.2   -17%</b>                        |

Phase III WIP Target = 45.8





## Phase III WIP Challenges/Opportunities

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- Factoring in Climate Change Impacts to Bay Restoration
- Accounting for Conowingo
- Ensuring Local Jurisdiction Capacity
  - BMP verification and maintenance
  - Technical assistance delivery



# Robust Local Engagement

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- **Current Public Informational Meetings:**
  - April 29 (1-3 PM) Hagerstown Community College
  - May 3 (9:30-11:30 AM) Chesapeake College
  - May 6 (1-3 PM) Harford Community College
  - May 17 (1-3 PM) Webinar
- **Continued Engagement Throughout Implementation**
  - April-May 2019 Informational Meetings
  - MACO and MML
  - MAMSA
  - County Health Directors
  - Local Government (trajectories)
  - Conservation Districts
  - NGOs
  - Regional Workshops and Webinars



# Thank You for Your Partnership!

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## Questions?