

Approaching 2017



Chesapeake Bay TMDL Milestones, Progress, Mid-point Assessment and the Phase 3 Watershed Implementation Plan

August 8, 2016

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Mid-Point Assessment

Phase 6 Model Development

- New Land Cover Classes and Data
- Conowingo Infill
- Climate Change

BMP Updates

- Agricultural Nutrient Management
- Manure Technologies
- Cropland Irrigation Management
- Oyster Restoration/Aquaculture
- Urban Tree Planting/Expanded Tree Canopy

2017 60% Target

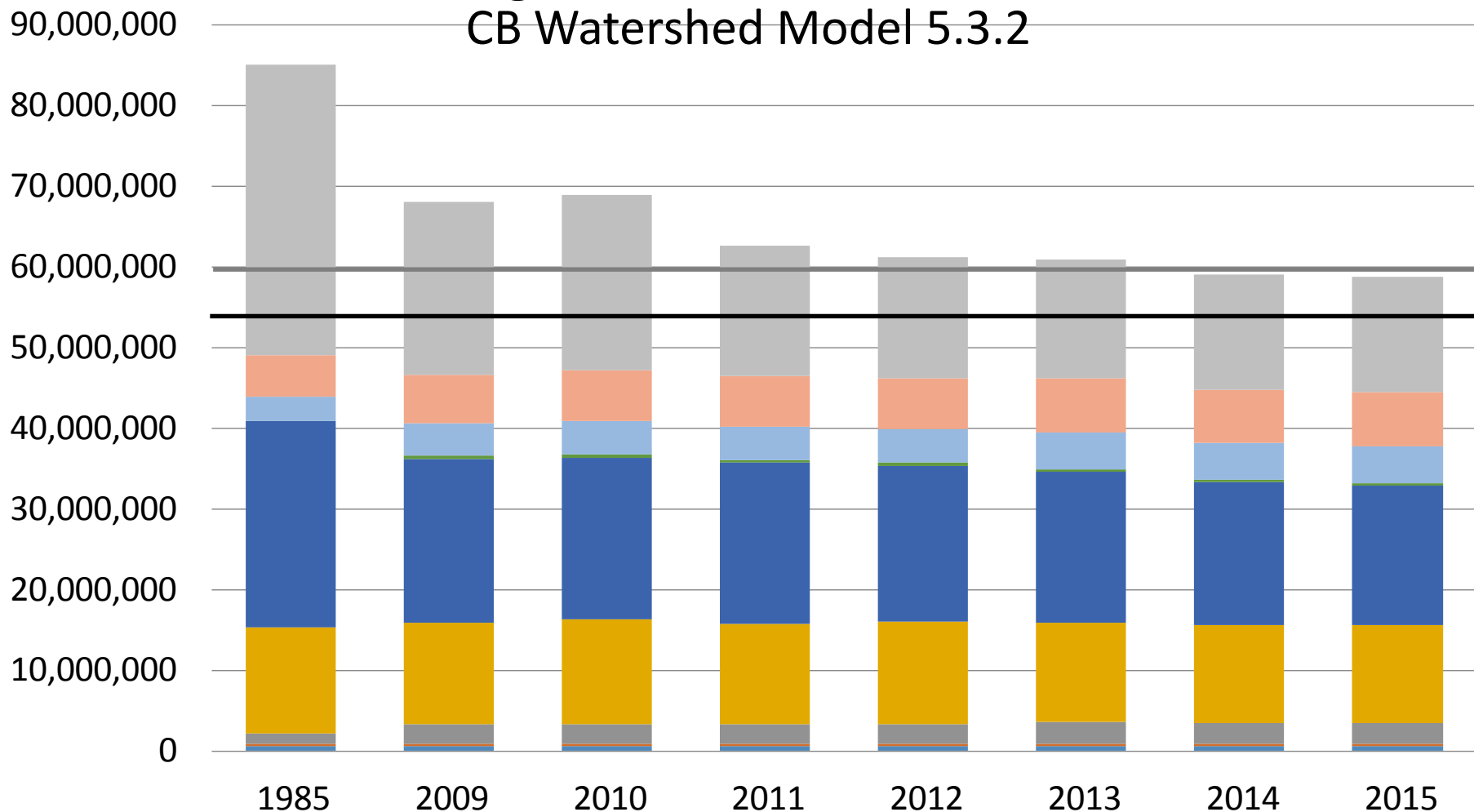
- Evaluated using 2017 progress in current model

WIP 3

- Expectations, local planning targets and schedule still being developed

Virginia Delivered Nitrogen Loads (lbs/year)

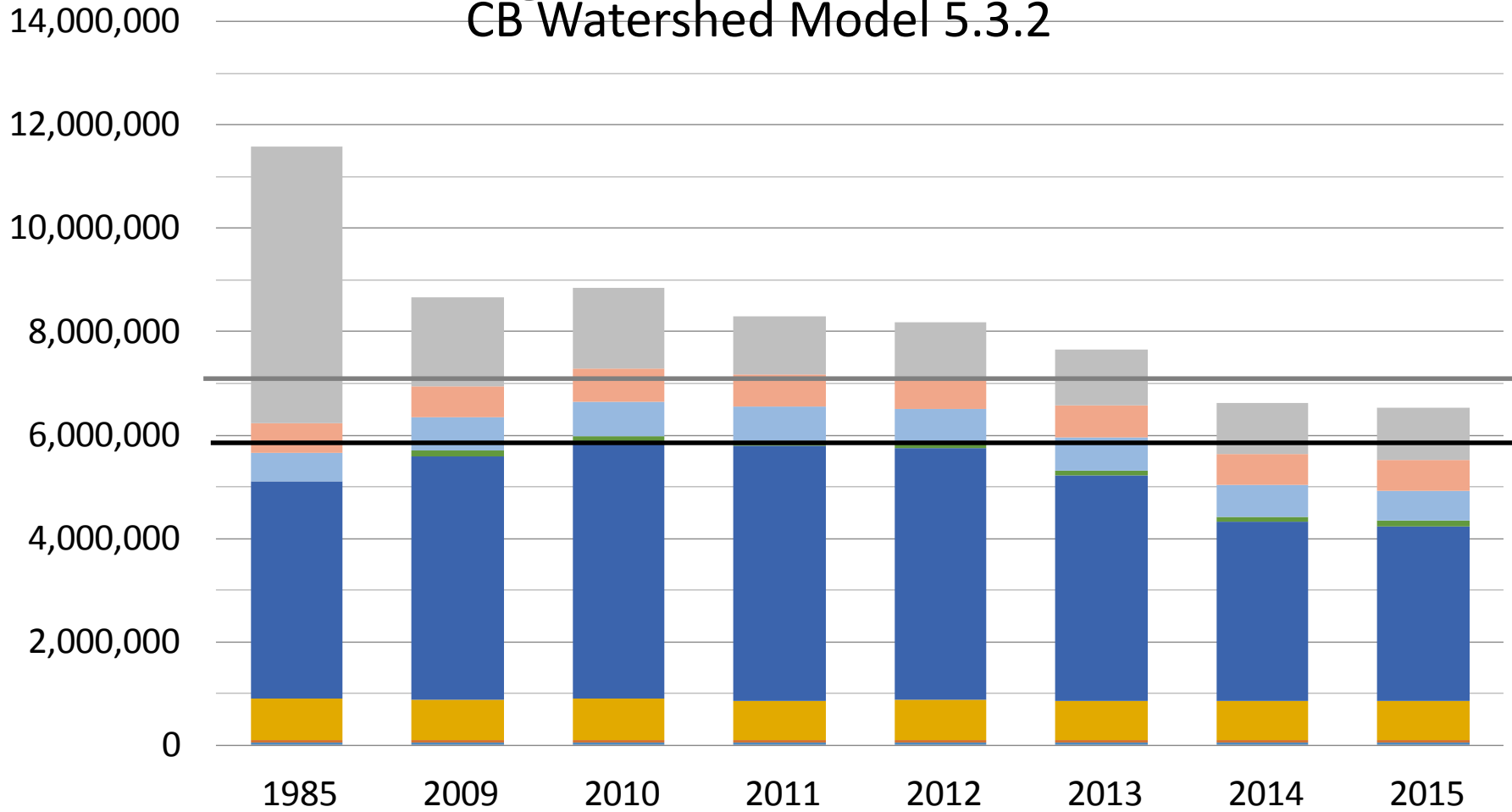
CB Watershed Model 5.3.2



- Non-Tidal Water Deposition
- Forest
- NonRegulatedStormwater
- WasteWater-CSO
- Agriculture
- RegulatedStormwater
- Septic
- Agriculture_Regulated
- PS

Virginia Delivered Phosphorus Loads (lbs/year)

CB Watershed Model 5.3.2



■ Non-Tidal Water Deposition

■ WasteWater-CSO

■ Septic

■ Forest

■ Agriculture

■ Agriculture_Regulated

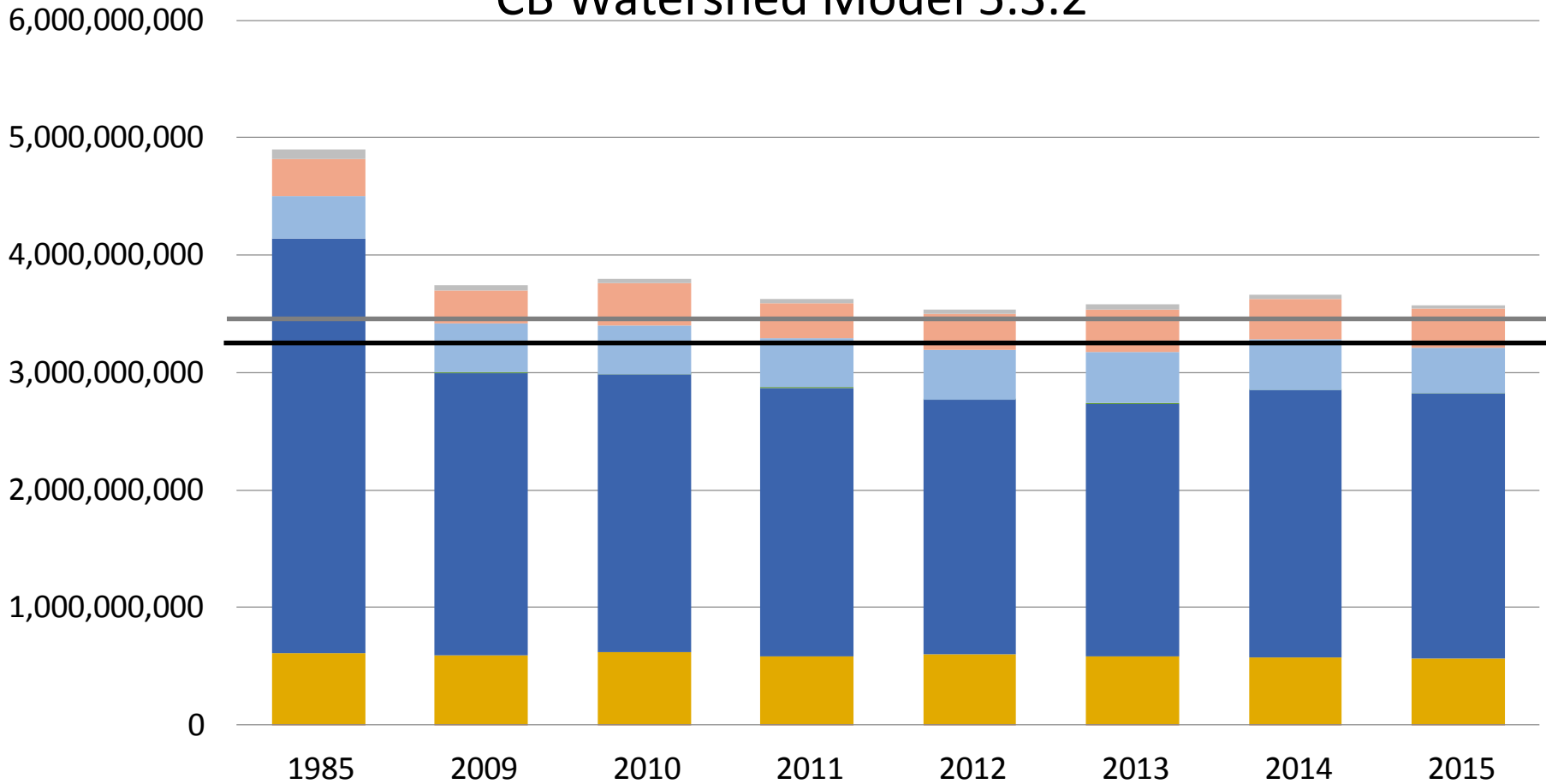
■ NonRegulatedStormwater

■ RegulatedStormwater

■ PS

Virginia Delivered Sediment Loads (lbs/year)

CB Watershed Model 5.3.2



Non-Tidal Water Deposition

WasteWater-CSO

Septic

Forest

Agriculture

Agriculture_Regulated

NonRegulatedStormwater

RegulatedStormwater

PS

2016-2017 Milestones Highlights

AGRICULTURE

- Continue Implementation of 100% livestock exclusion cost share
- Develop Resource Management Plans (RMPs) on at least 10,000 acres each year

STORMWATER

- Reissued 6 Hampton Roads Phase I MS4 permits
- Roll out the new Virginia Conservation Assistance Program (VCAP) for residential scale best management practices
- Complete development of fertilizer sales data tracking system

OTHER

- Promulgate nonpoint source nutrient credit certification regulations
- Develop 1-meter resolution land cover data
- **Develop a strategy for engaging local governments in the final phase of restoration planning**
- **Verification program implementation**
- DEQ BMP Warehouse

Current Schedule

All Phase 6 data inputs due (except land use) **September 30, 2016**

Rolling local review of the Phase 6 land use data 2016 ***October-early Nov 2016***

Final Phase 6 land use dataset due **December 1, 2016**

EPA releases draft 3 expectations for Phase III WIPs **January 2017**

Final calibration of Phase 6 Model **January – March 2017**

Final recommendations on approaches for local area targets March 2017

Partnership fatal-flaw review of final Phase 6 Model **March-May 2017**

EPA releases final expectations for Phase III WIPs April 2017

Release of final Phase 6 Model **June 2017**

EPA releases draft4 Phase III WIP Planning Targets **June 2017**

EPA releases final Phase III WIP Planning Targets December 2017

Draft Phase III WIPs due to EPA **August 2018**

EPA feedback on draft Phase III WIPs **October 2018**

Final Phase III WIPs due to EPA December 2018

Local Role in WIP 3

- Engage in WIP 3 planning effort
- Develop local water quality strategies
- Meet permit and regulatory requirements
- Report and verify implemented practices
- Look for opportunities within existing planning, budgeting and public works
- Take advantage of funding opportunities
- Look for opportunities to achieve multiple co-benefits
 - Flood Mitigation
 - Expanded Tree Canopy
 - Open Space Conservation
 - Carbon Sequestration
 - Increased Property Values
 - Support Local Businesses
 - Create Local Jobs
 - Improve Local Water Quality

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