

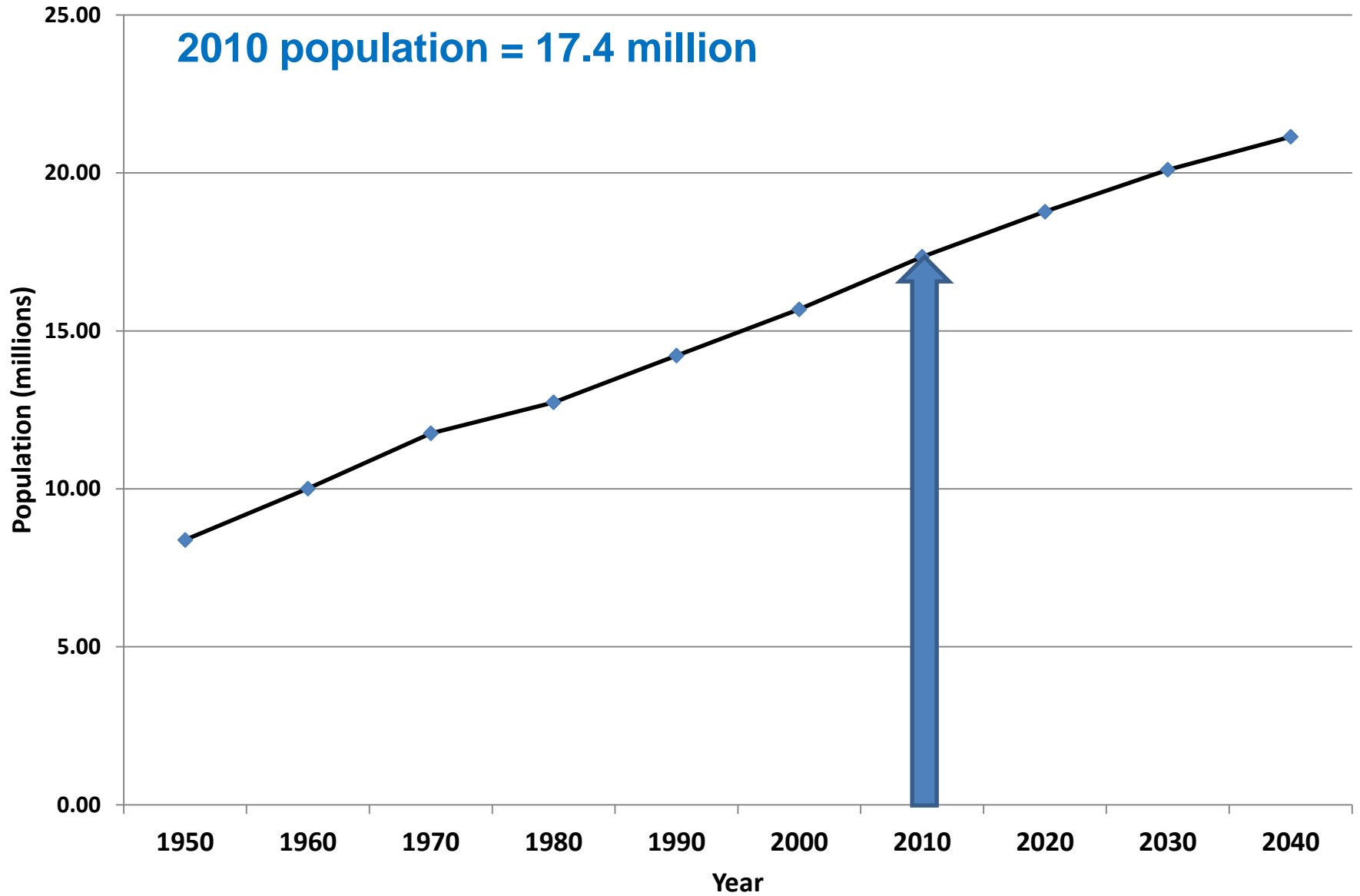


Accounting for Growth: Policy Implications for the Partnership

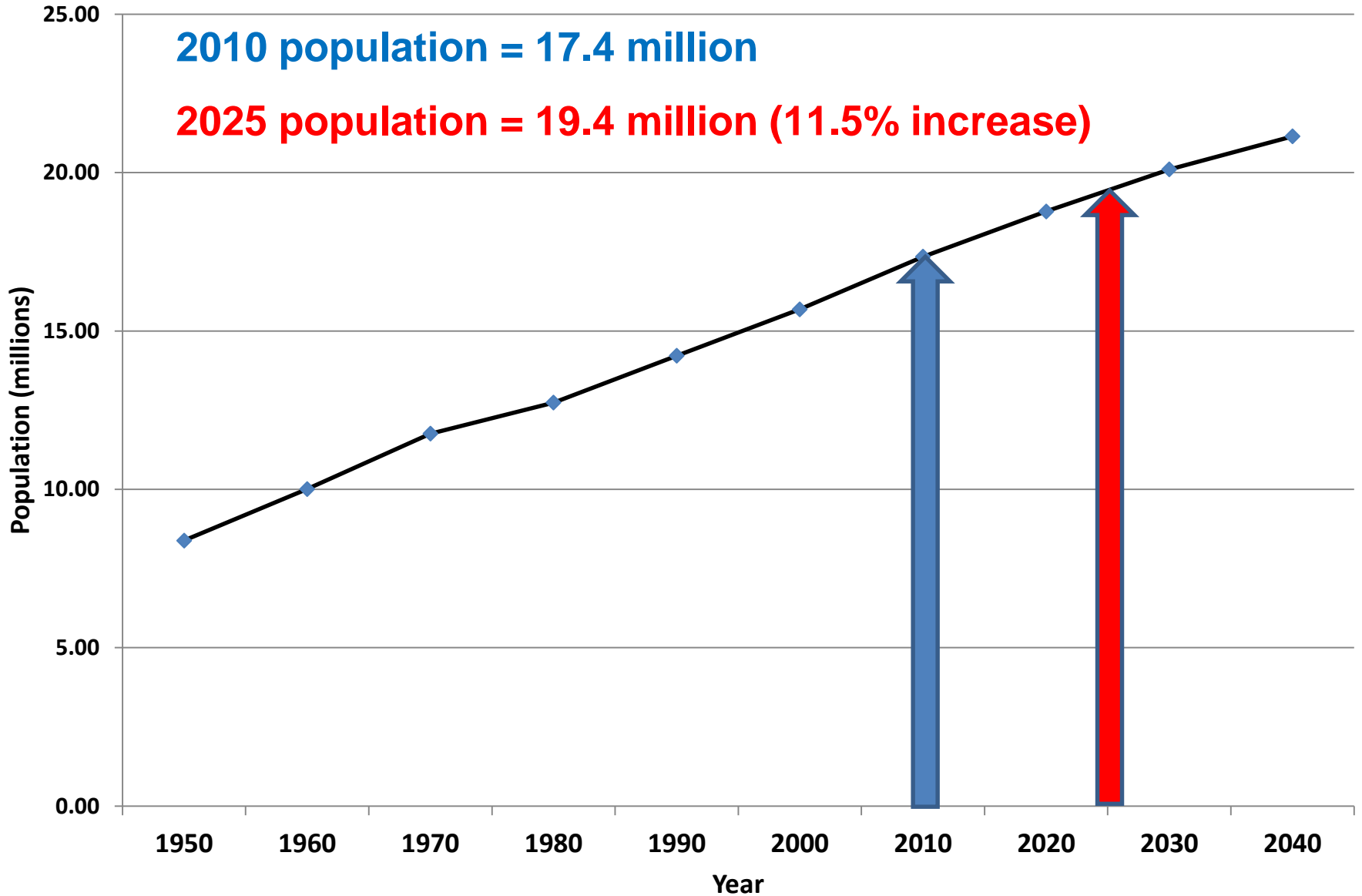
**Chesapeake Bay Commission
September 8, 2017**

**Rich Batiuk
Associate Director for Science, Analysis
and Implementation
Chesapeake Bay Program Office
U.S. Environmental Protection Agency
Annapolis, Maryland**

Chesapeake Bay Watershed Population Trends



Chesapeake Bay Watershed Population Trends



Accounting for Growth Policy Decisions

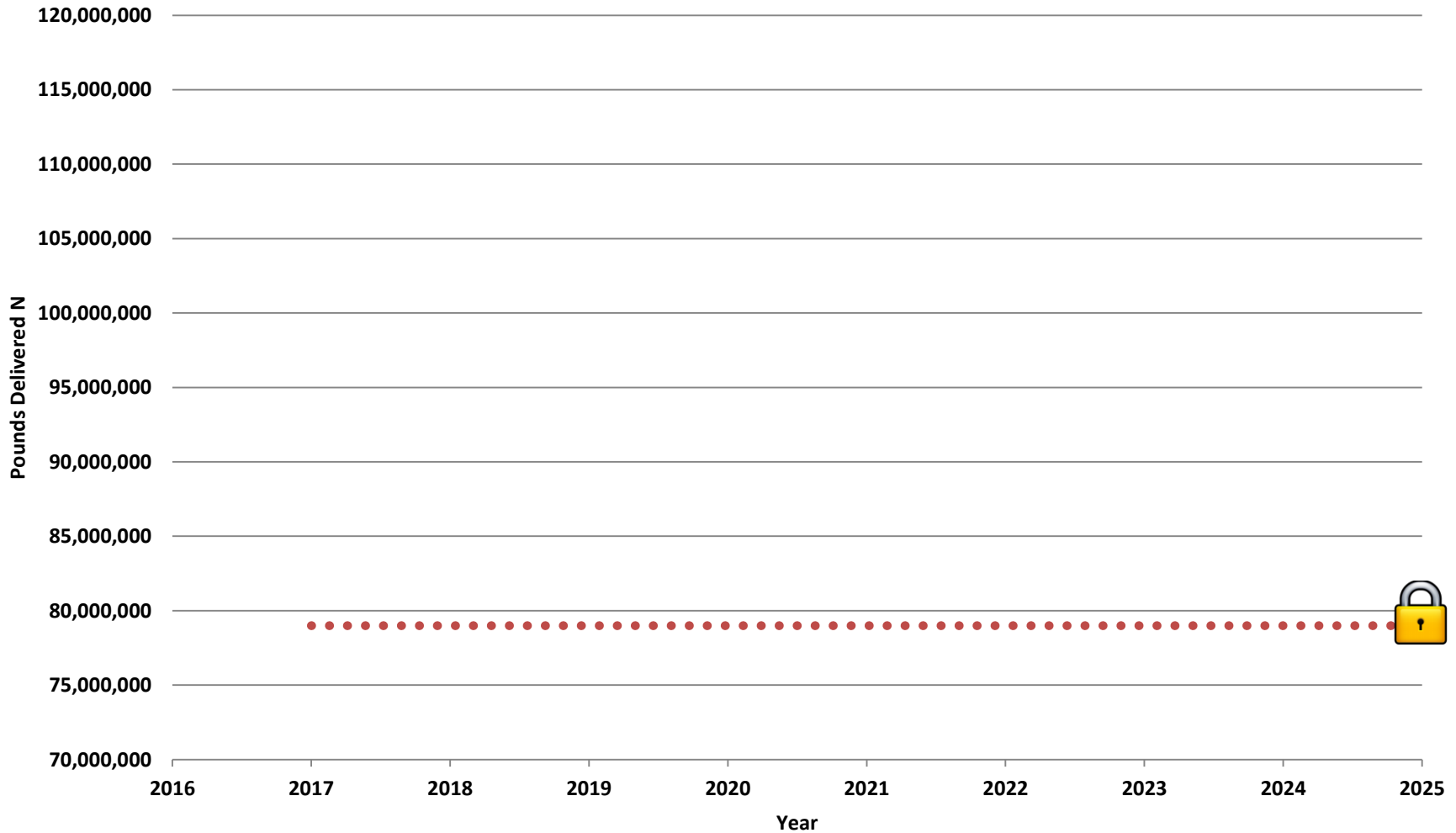
1. Partnership agreement on how to account for growth in the jurisdictions' Phase III Watershed Implementation Plans (WIPs)
 - “Use 2025 forecasted conditions to account for projected growth which would be accounted for within the jurisdictions' Phase III WIPs”; or
 - “Each jurisdiction’s Phase III WIP will describe the specific procedures, underlying data sources, and programmatic commitments for regular accounting of growth and the operational tracking and accountability mechanisms for ensuring all new or increased pollutant loads are fully offset.”

Accounting for Growth Policy Decisions

2. Agreement on a plausible 2025 land use scenario for consideration as the basis for “accounting for growth” in the Phase III WIPs
3. Develop a suite of alternative future scenarios to inform CBP Partnership decisions on:
 - Crediting land use policies and regulations (e.g. zoning)
 - Crediting land conservation
 - Identifying forestlands and farmlands at risk from development

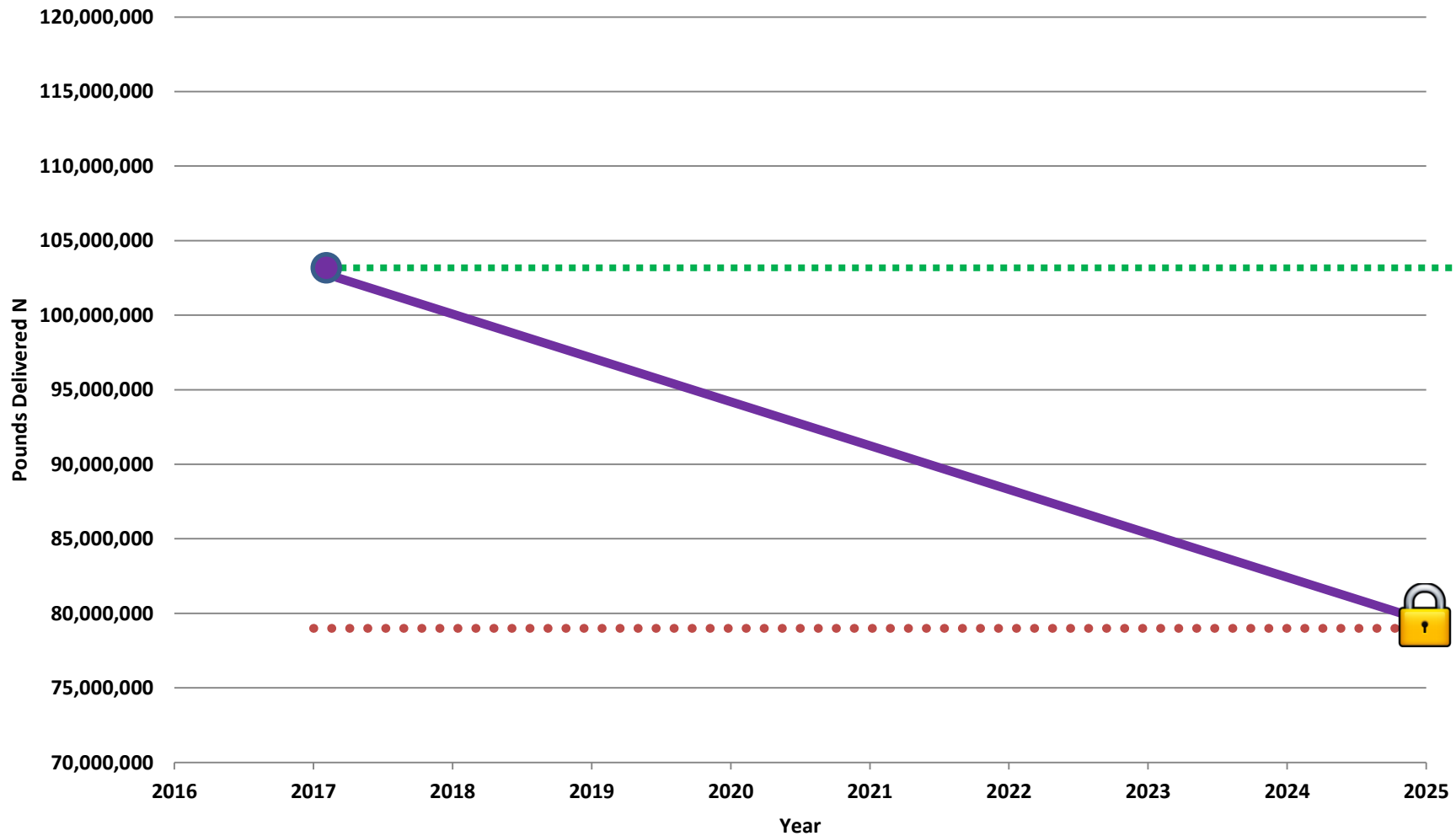
Step 1:

- Establish Phase III Watershed Implementation Plan planning targets by jurisdiction and major river basin.



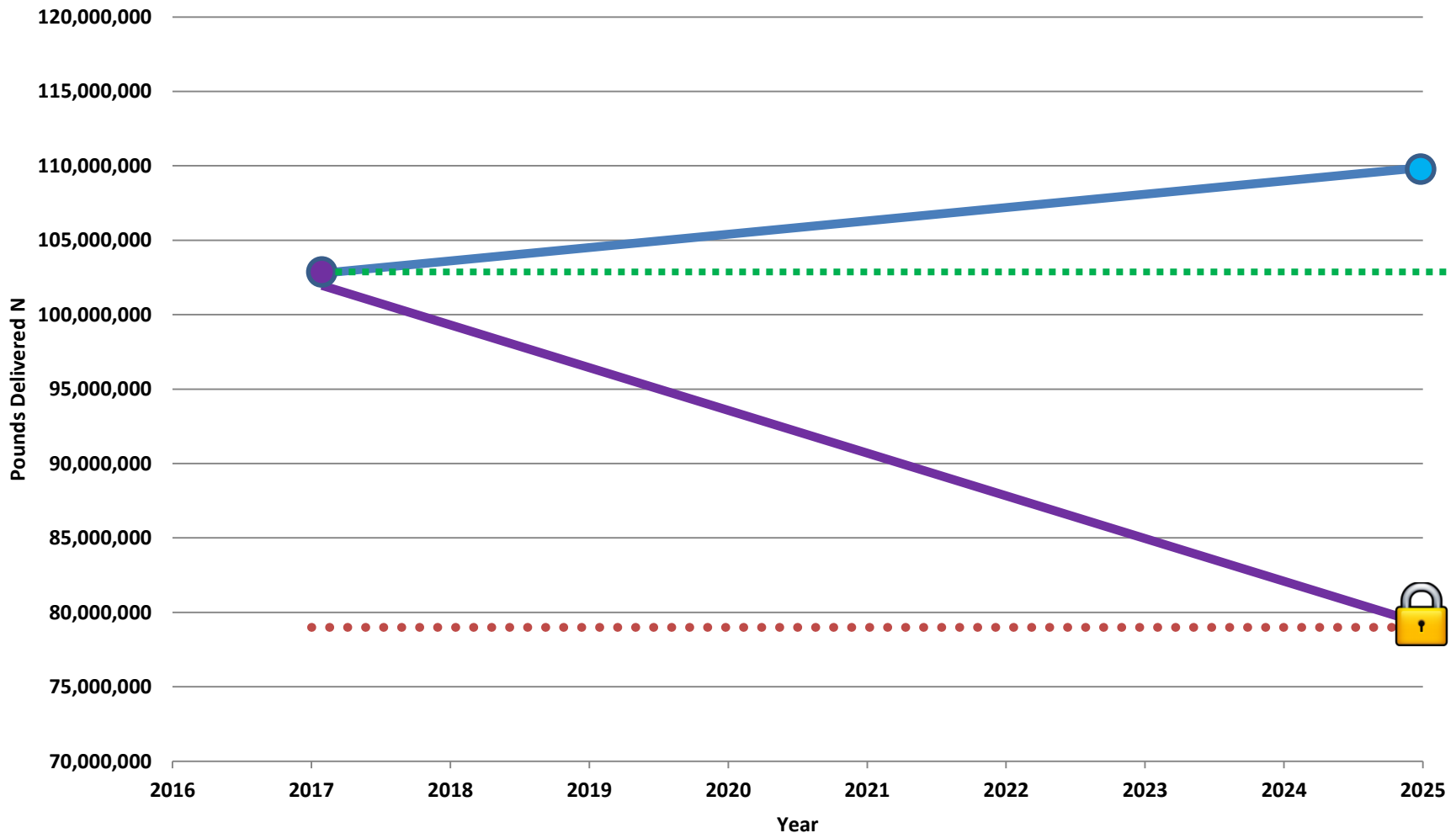
Step 2:

- Run 2017 Progress (with 2017 background conditions). This is the starting point.
- Slope between 2017 Progress and 2025 Planning Target is the Planning Trajectory.



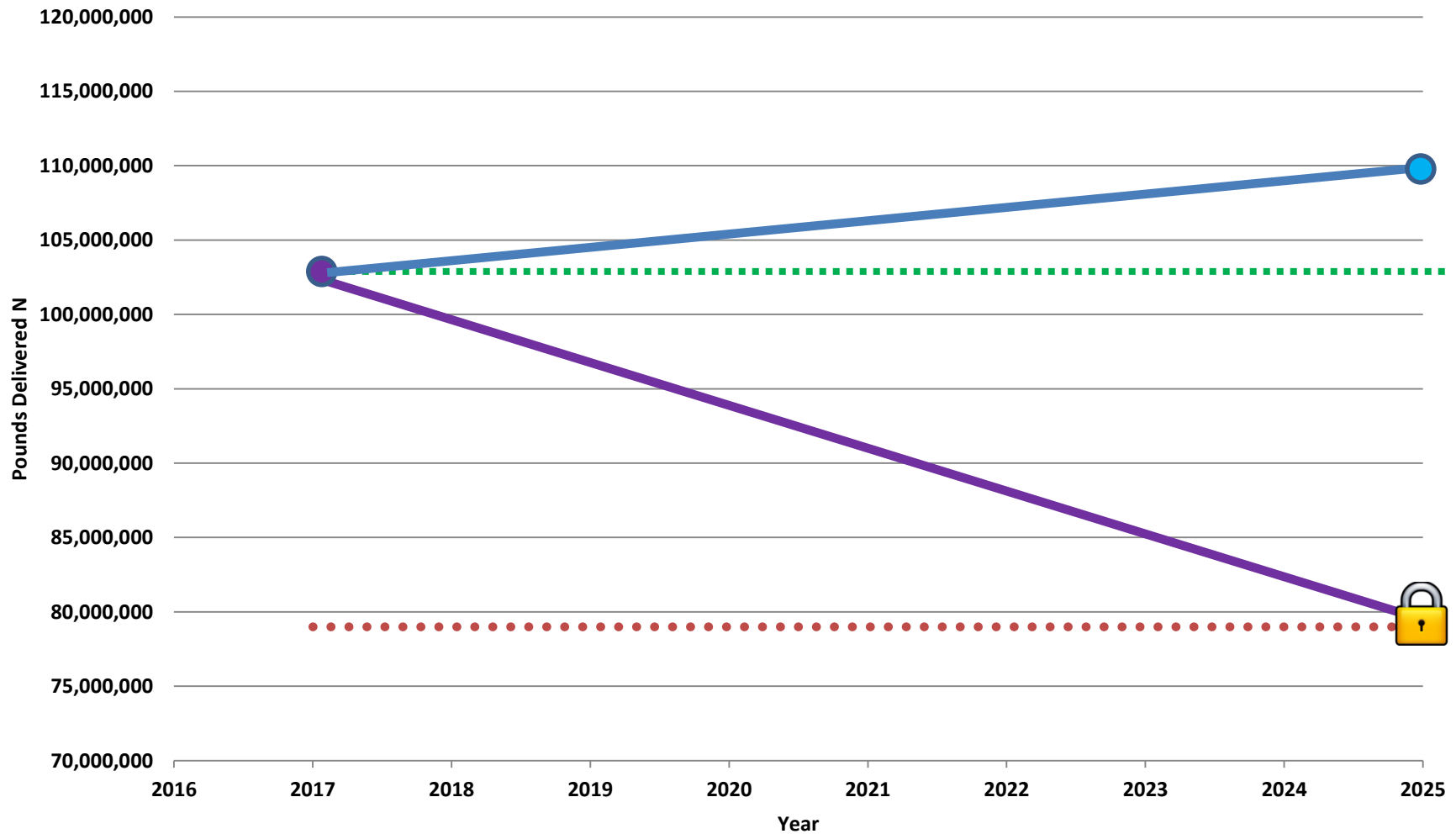
Step 3:

- Run 2017 Progress on 2025 background conditions. This is the growth scenario.
- Slope between 2017 Progress and 2025 growth scenario becomes the Growth Trajectory.



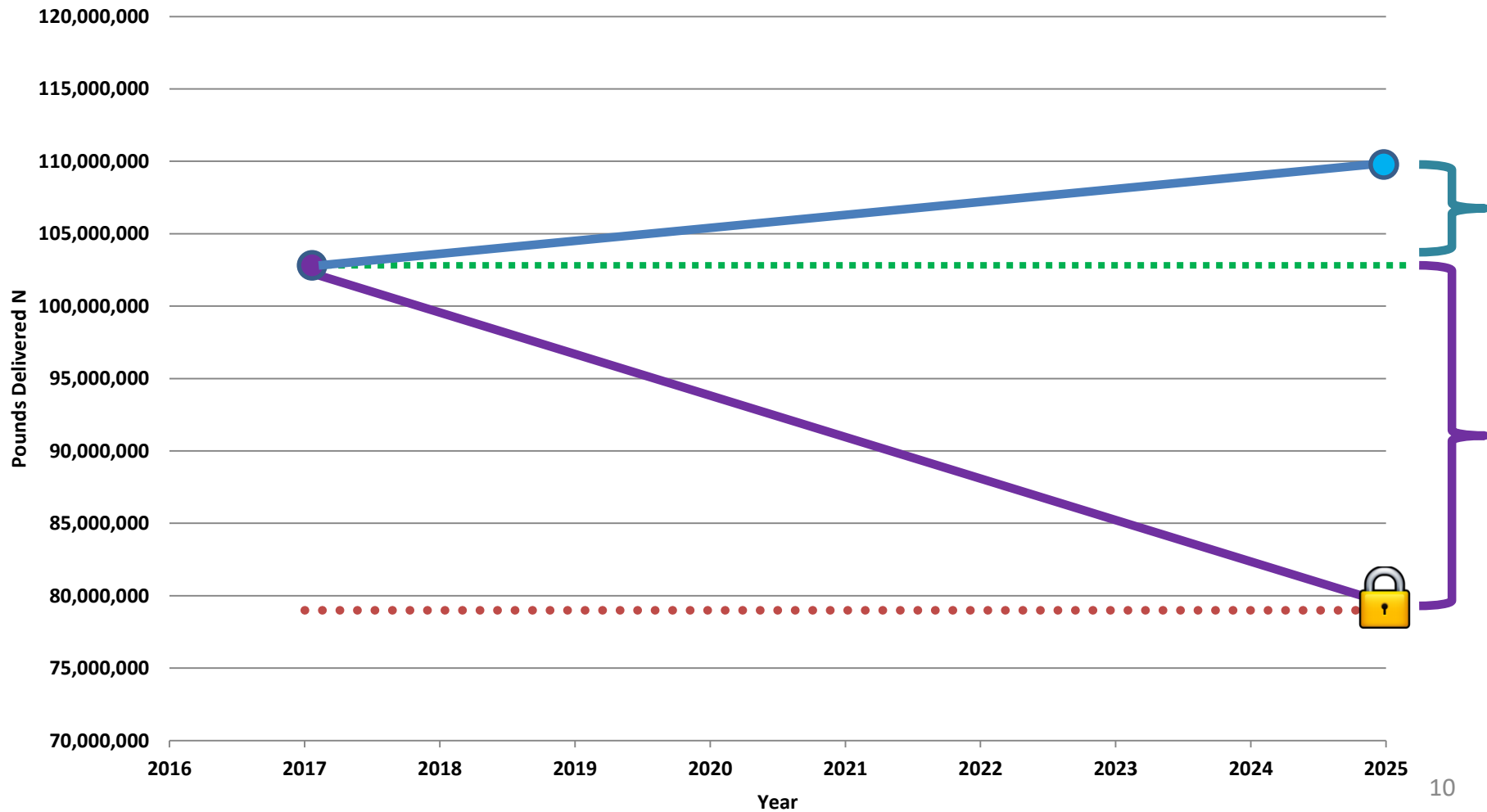
Step 4:

- Define needed reductions from 2017 Progress to Planning Target. This represents reductions needed to treat current conditions.



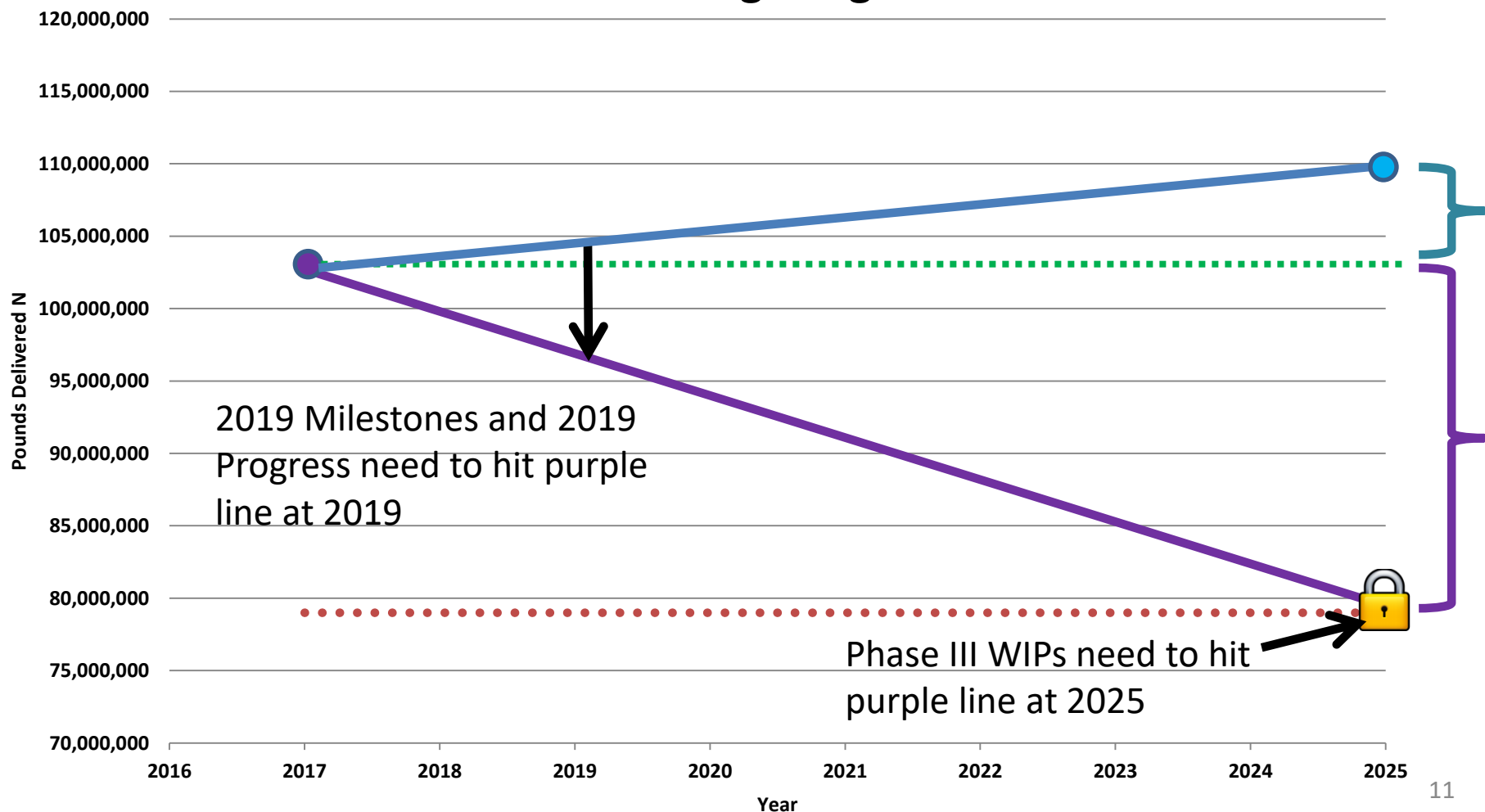
Step 5:

- Define needed reductions from Growth Scenario compared to 2017 Progress scenario. This represents offsets needed to hold the line.



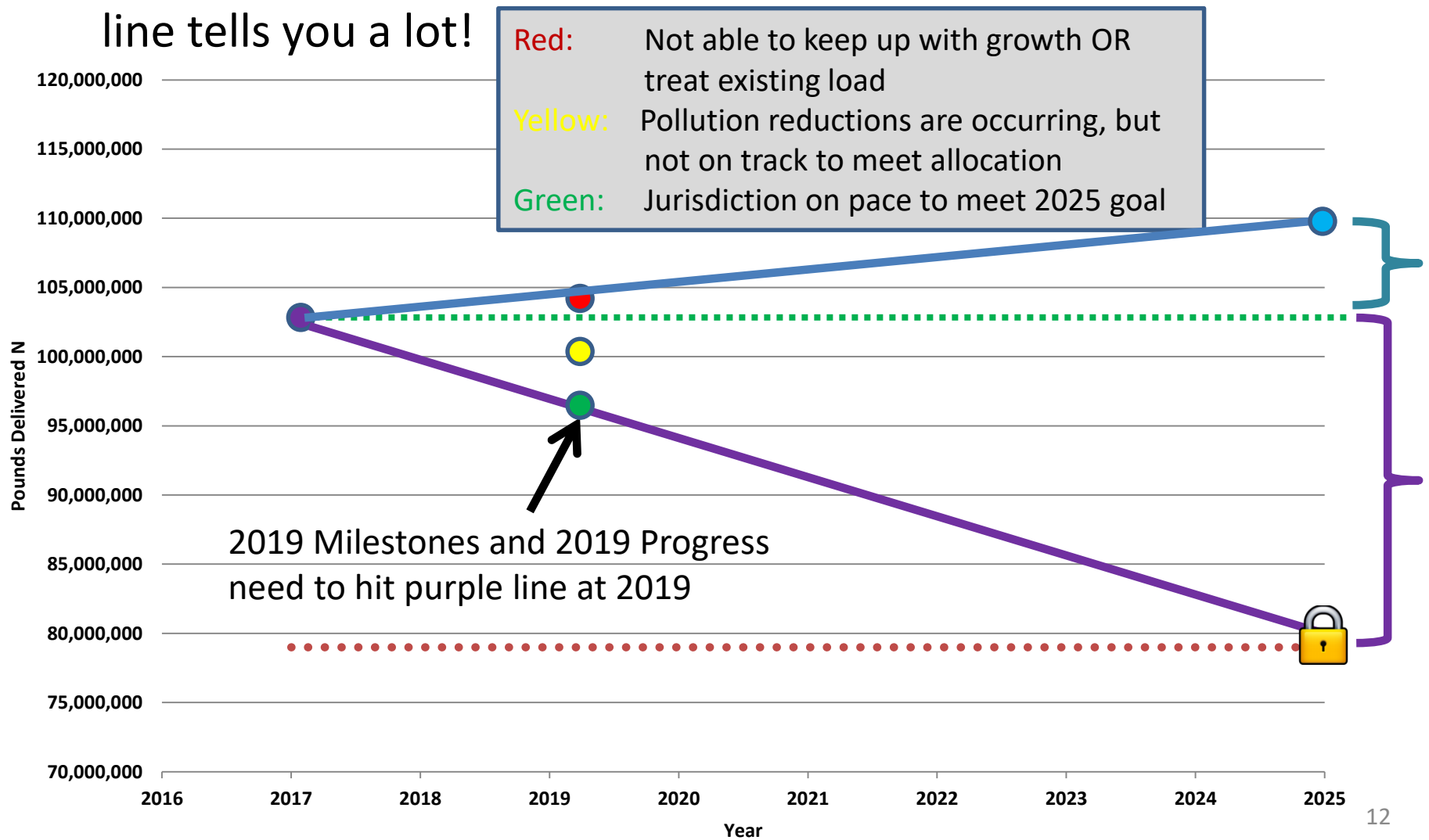
Step 6:

- Develop Phase III WIPs on 2025 conditions to hit Planning Target.
- Develop Milestones on 2-year future condition to hit Planning Trajectory.
- Accommodates an accounting for growth.



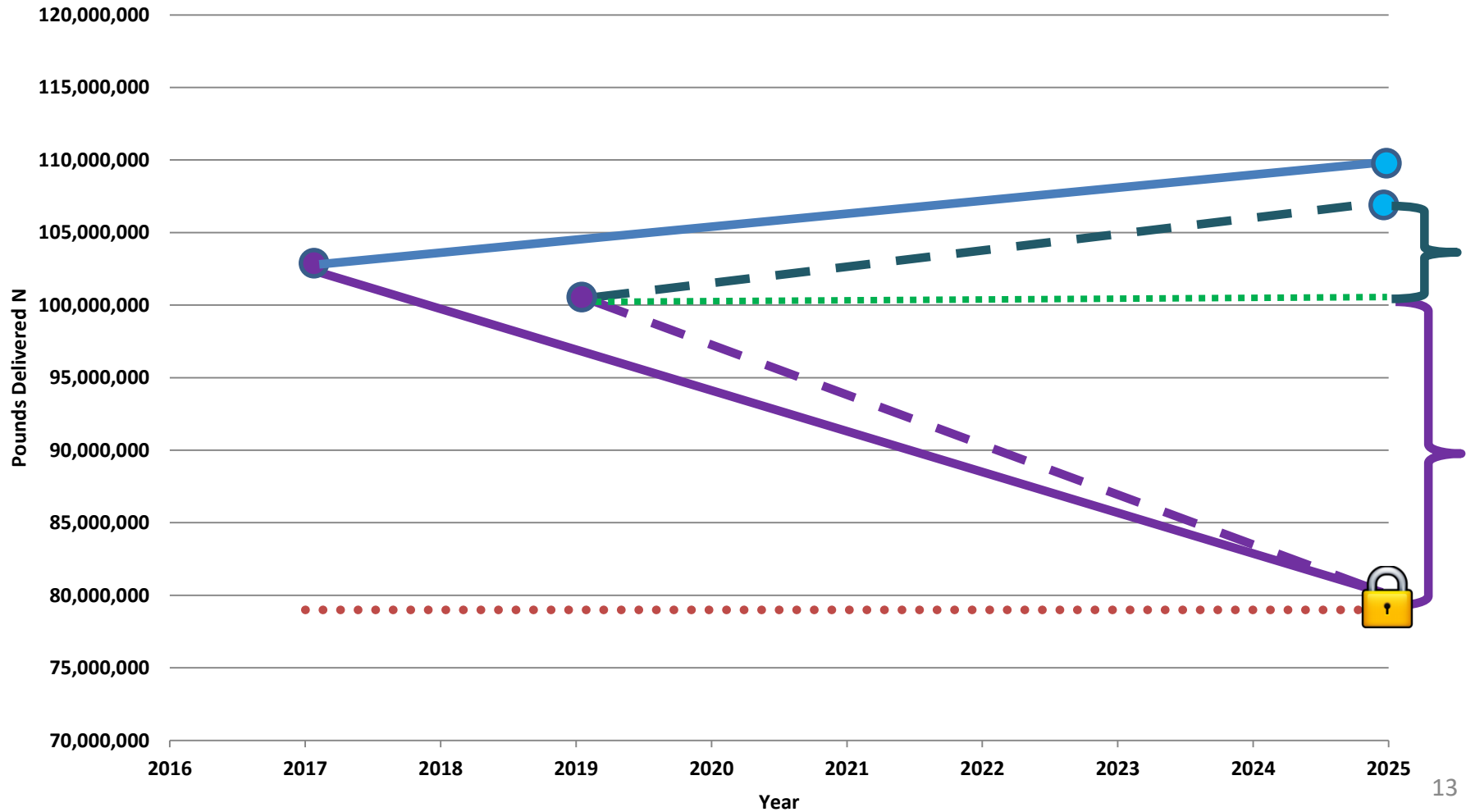
Step 7:

- Assess Progress during Milestone period to determine if jurisdiction/source remain on Planning Trajectory
- Location of Progress results relative to the blue, green and purple line tells you a lot!



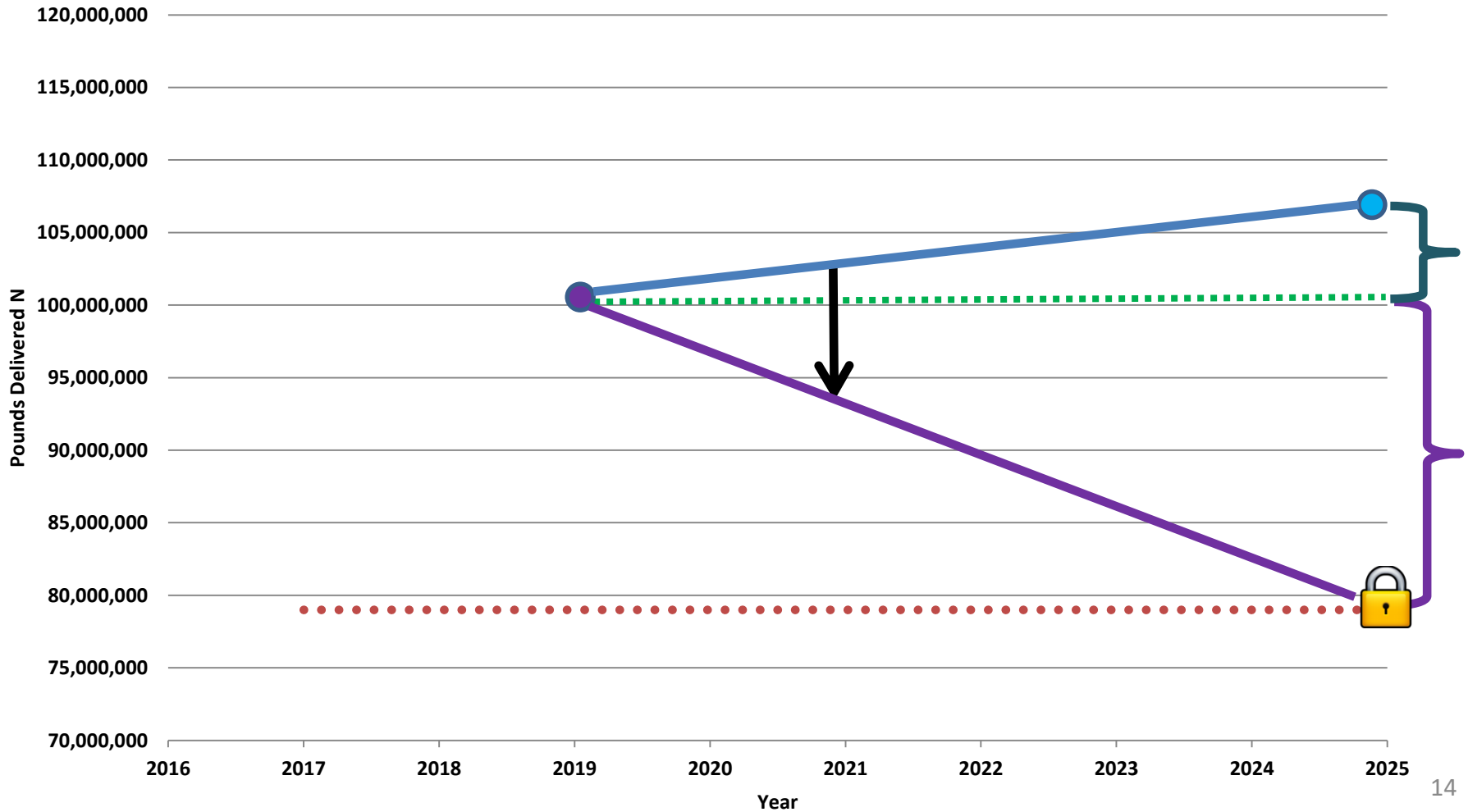
Step 8:

- Repeat the process with 2019 Progress and development of 2021 Milestones



Step 9:

- Assess progress during 2021 Milestone period



Accounting for Projected Growth

Accounting for the impact of an estimated 2 million additional people (2010 – 2025)

Per-capita impacts are greatest if growth occurs in forested areas converted to 1-5 acre lots on septic near the Bay

Per-capita impacts are minimized if growth is accommodated through infill and redevelopment of areas served by public sewer

Expected growth could be offset by zoning, land conservation, and other actions that reduce the probable footprint of future development

Chesapeake Bay Future Scenarios

(from June 7th “Local Government Forum”)

“Historical Trends”: previous patterns of growth replicated into the future

“Current Policy”: growth focused towards local areas zoned or projected to accommodate it

“Current Policy Plus”: “Current Policy” combined with growth focused in areas with planned infrastructure (e.g., roads, sewer, and water)

“Utopia”: “Current Policy Plus” combined with comprehensive land conservation, accelerated infill/redevelopment, and up-zoning urban and down-zoning rural areas

Accounting for Growth Decision-Making

September 25-26: Water Quality Goal Implementation Team reviews draft “Historical Trends” and “Current Policy” scenarios

October 30-31: Principals’ Staff Committee decides how the Partnership will account for growth in the jurisdictions’ Phase III Watershed Implementation Plans (WIPs)

November-February: Jurisdictions review draft Phase III WIP planning targets and draft projected growth scenarios

March 2018: Principals’ Staff Committee reaches agreement on final Phase III WIP planning targets and projected growth scenarios to be used to account for growth



Questions



Rich Batiuk
**Associate Director for Science, Analysis
and Implementation**
U.S. EPA Chesapeake Bay Program Office
410-267-5731 Work
443-223-7823 Mobile
batiuk.richard@epa.gov
www.chesapeakebay.net

