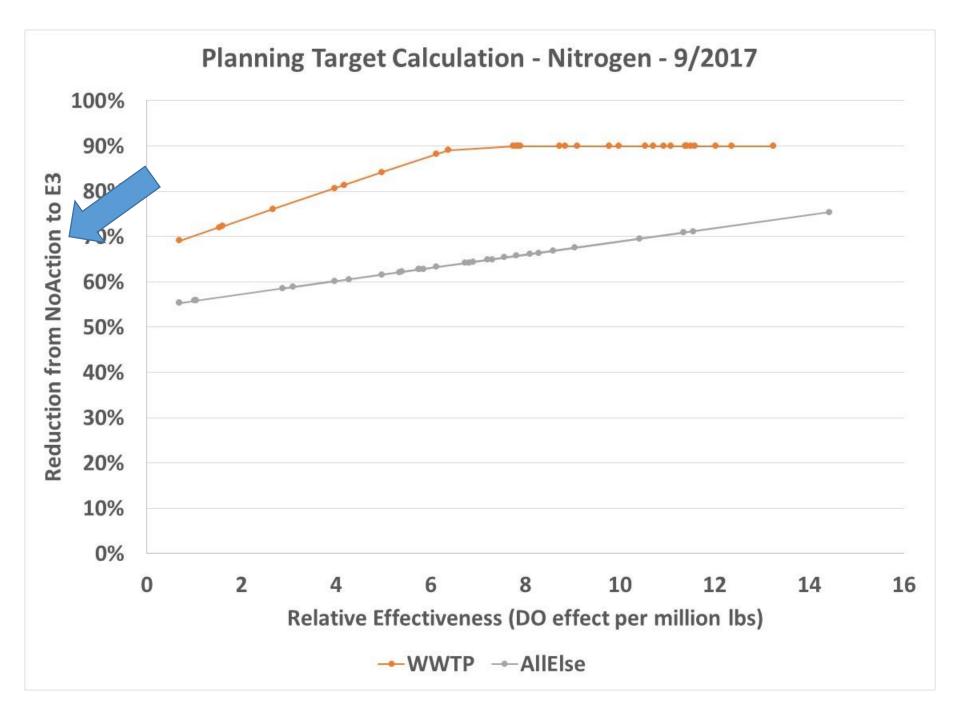
Establishing Scenario Years for Planning Targets and Phase III WIPs

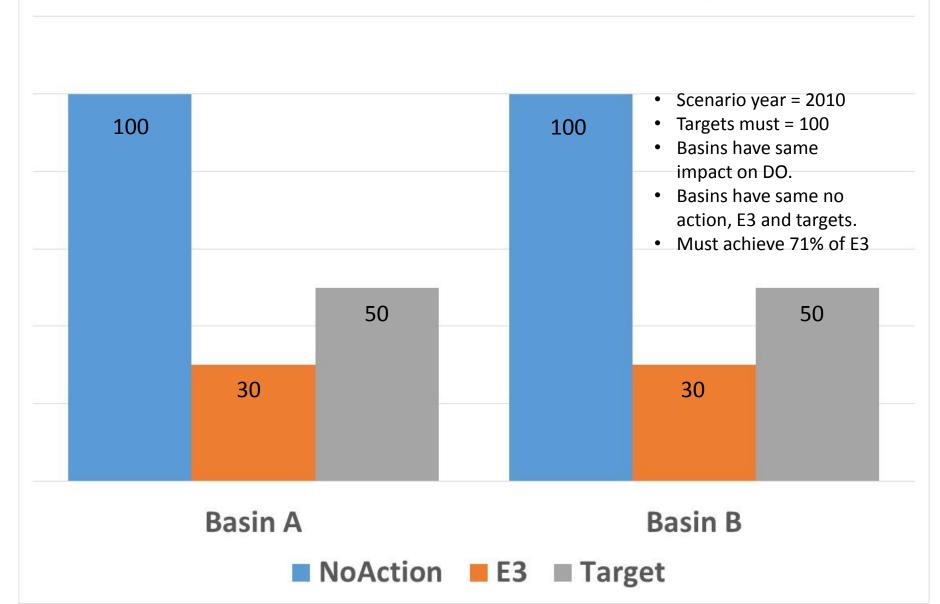
Presentation for Water Quality GIT

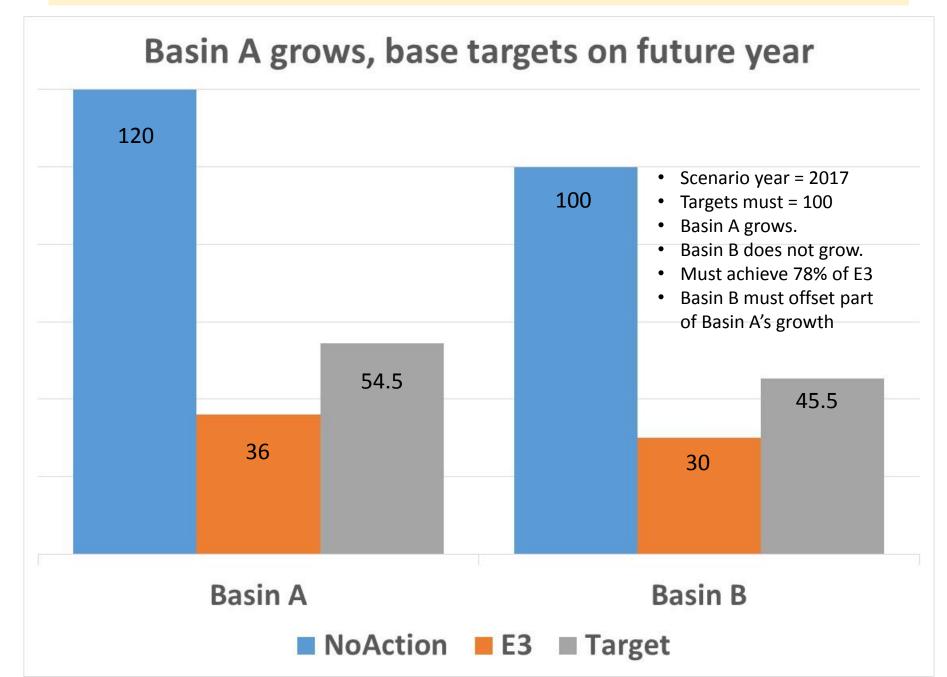
September 25, 2017

Gary Shenk - CBPO

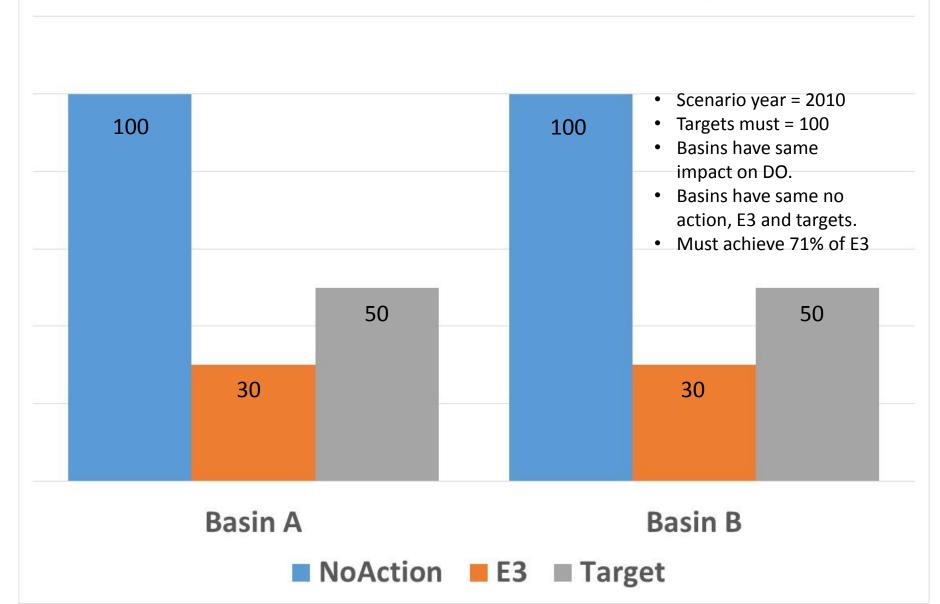


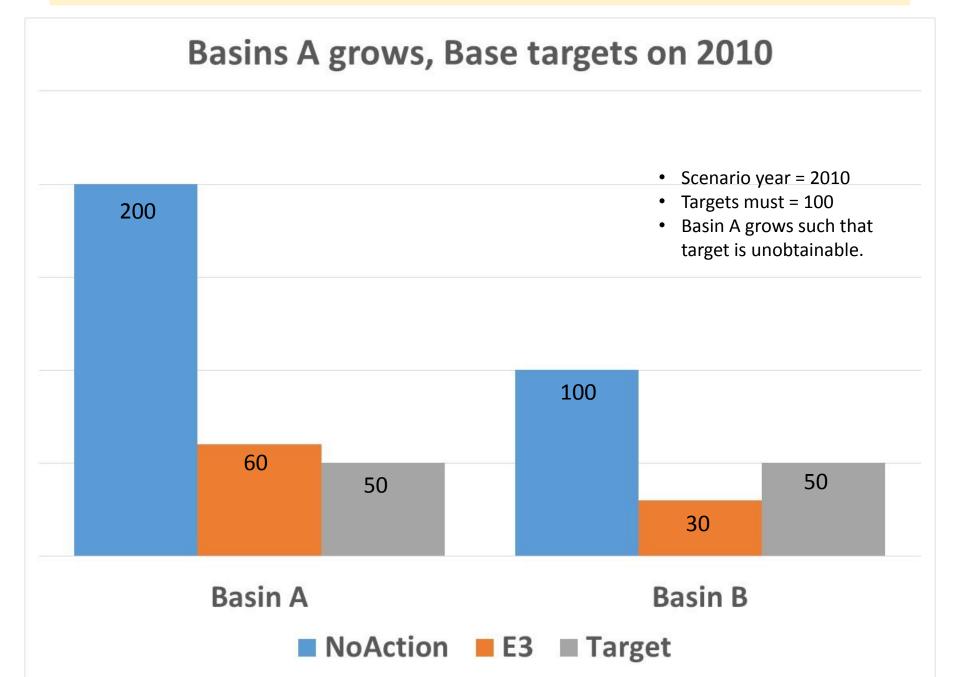










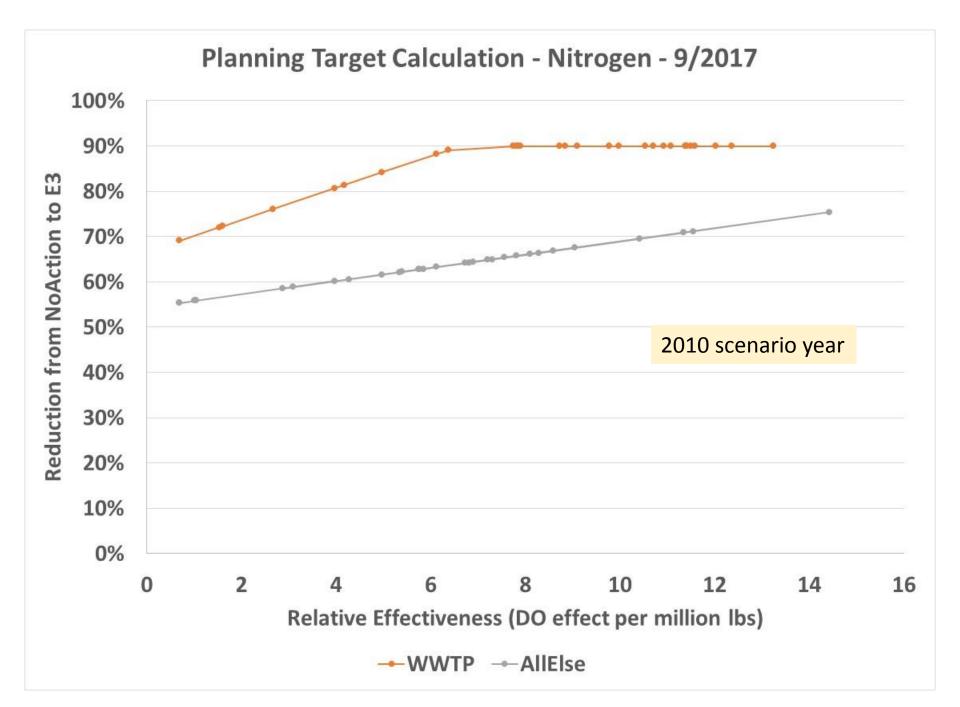


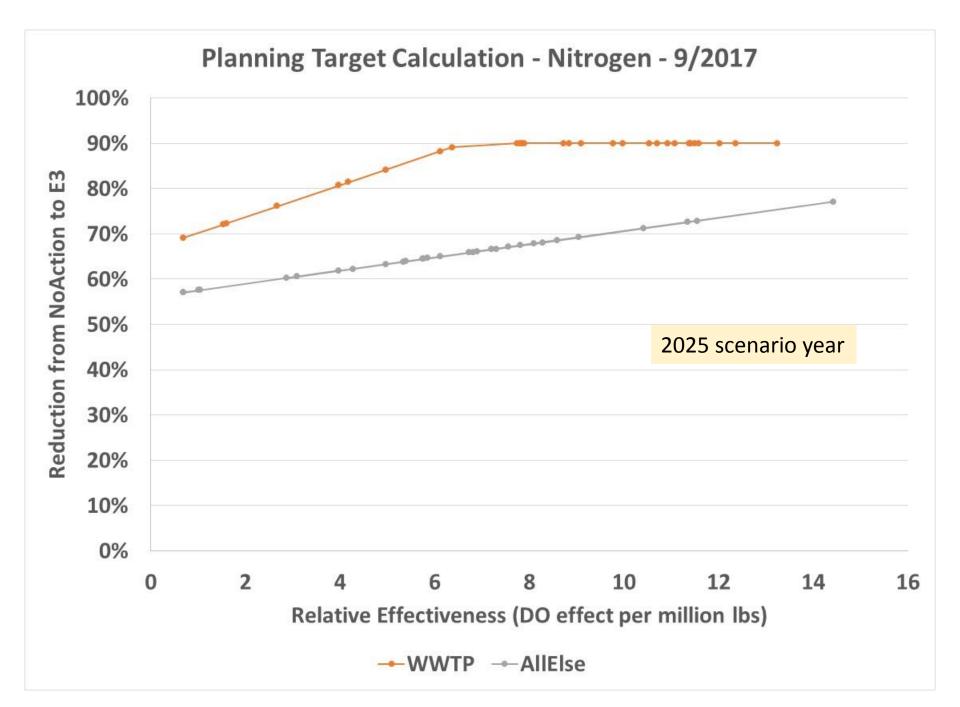
Considerations for Selecting Planning Target Year

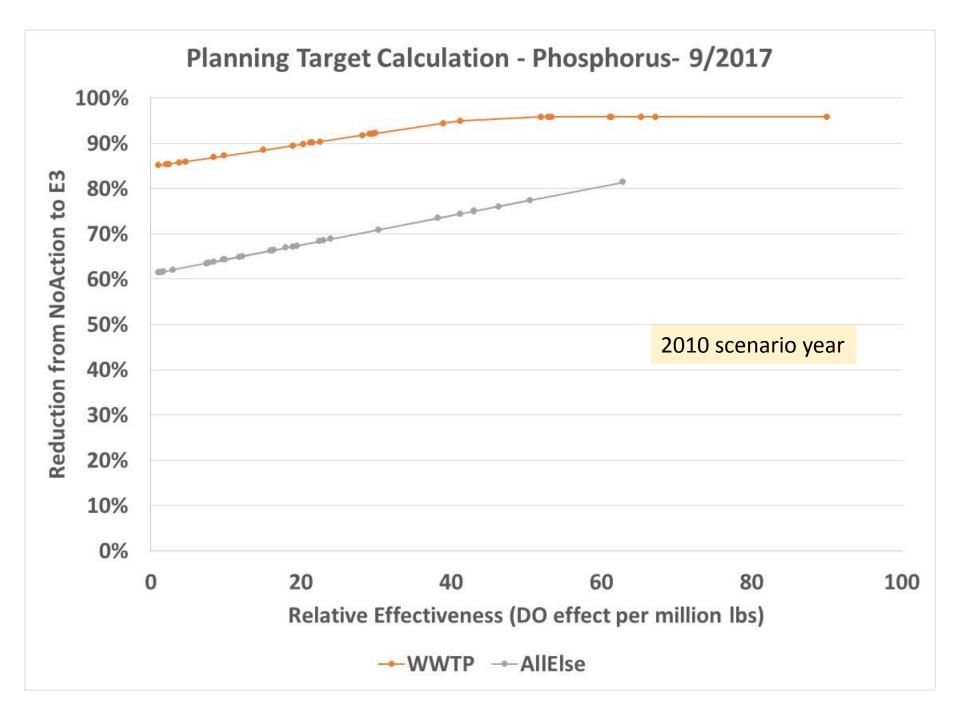
Criterion	2010	2012	2017	2025
Level of Confidence in Data (LU, Animals, Septics, etc.)		Most Confidence		
Consistency with 2010 decisions	Same Year	Not Consistent	Year of Decision	Not Consistent
Responsibility for additional load from a state-basin that grows (in load due to LU, Animals, Septics, etc.)	State basin that is growing			All state- basins
Possibility of planning target beyond 2025 E3 for growing basins				

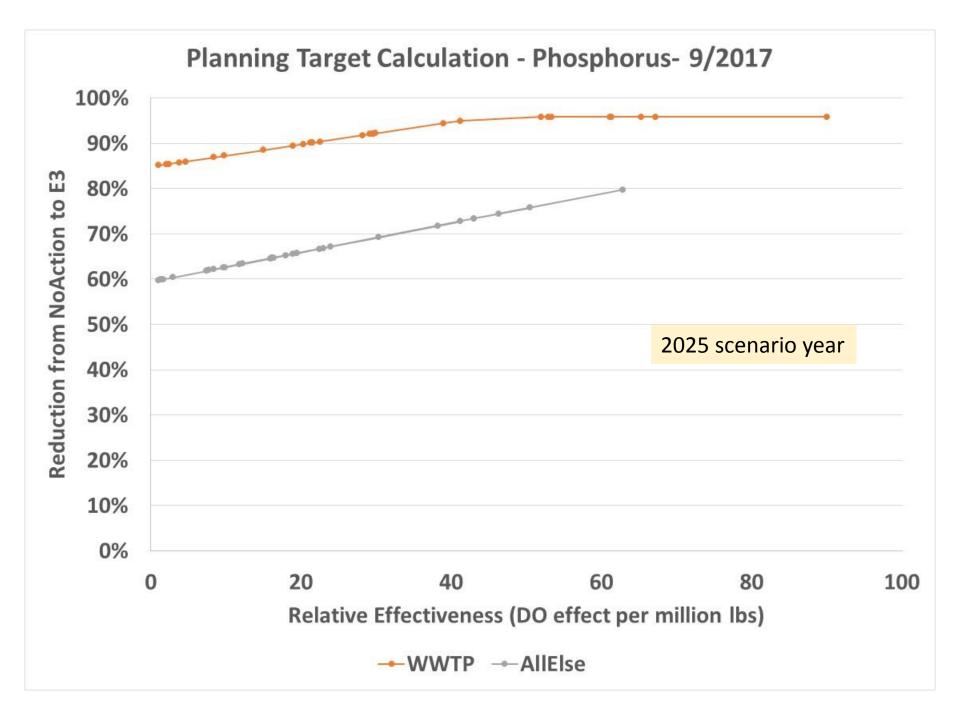
Planning Target Calculation

- Assumed the assimilative capacity was the WIP2 with the mid-1990s Conowingo
- Calculated Planning Targets based on the Conowingo in current state

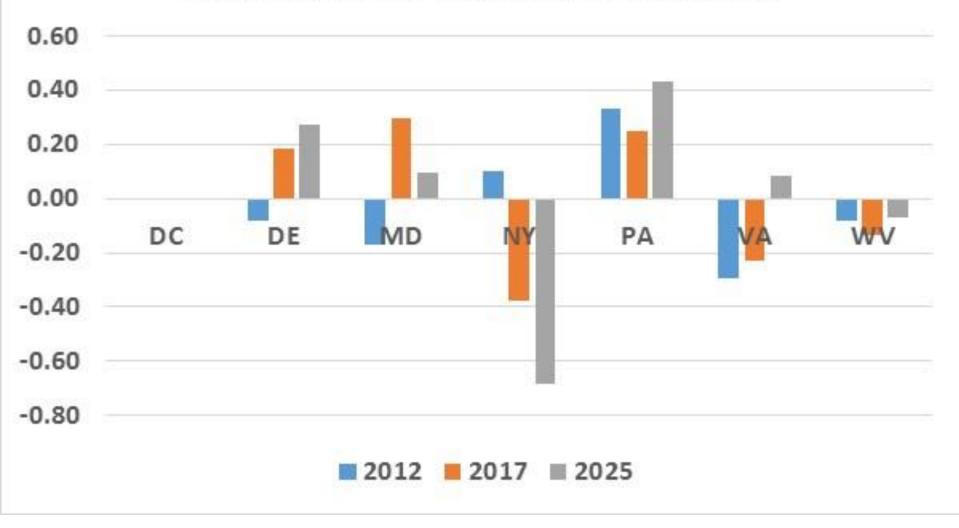






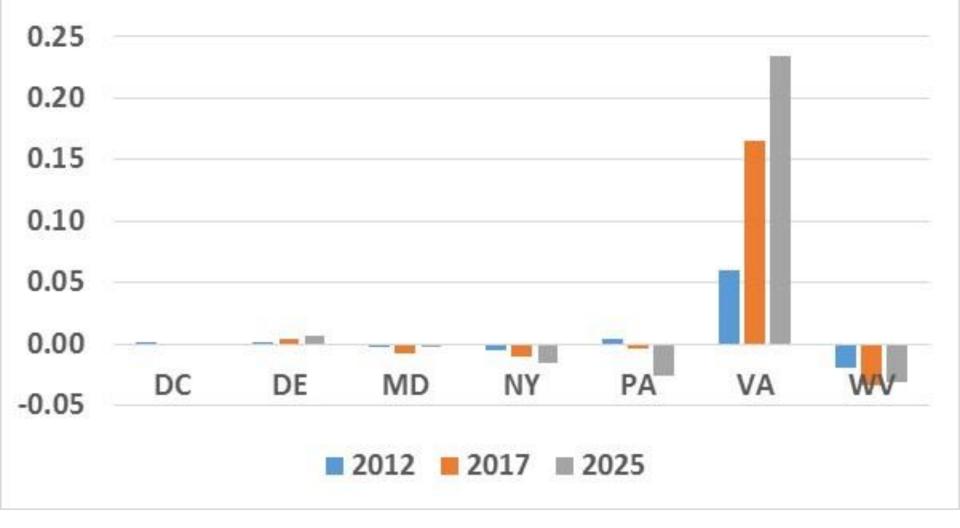


Comparison of N Cap Loads to using 2010



Million pounds of N

Comparison of P Cap Loads to using 2010



Million pounds of P

N:P exchanges

- Recall that states could choose to reduce N more and P less or vice versa
- The ratios are based on the geographic isolation runs.
- This allows us to calculate state totals in units of N

Comparison of N&P Cap Loads to using 2010



Million pounds of N

Comparison of N&P Cap Loads to using 2010



Percent change

Observations

- Maybe not such a big deal for everyone
- Differences are on the order of 1/2 million lbs
- Some smaller states have big relative numbers

Decision

- What scenario year should be used to establish Phase III WIP planning targets?
 - 2010? 2012? 2017? 2025?

Considerations for Selecting Planning Target Year

Criterion	2010	2012	2017	2025
Level of Confidence in Data (LU, Animals, Septics, etc.)		Most Confidence		
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