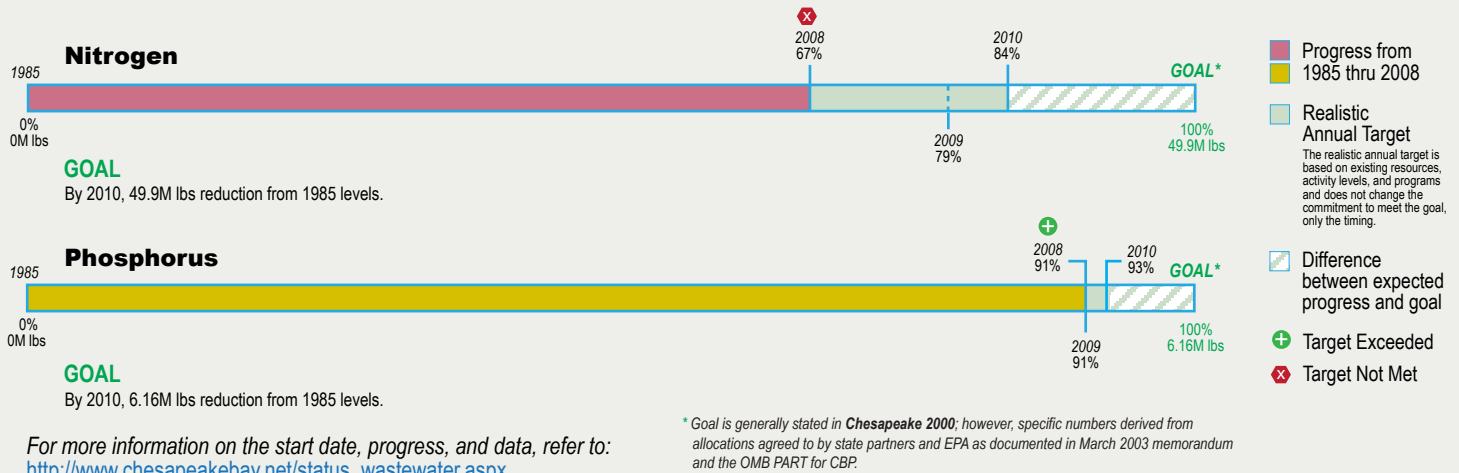


Performance



Strategic Analysis

Background

In the Chesapeake watershed there are currently 483 facilities designated as significant dischargers. The total effluent flow from these significant facilities represents more than 95% of the total flow from all wastewater treatment facilities in the Bay watershed and currently contributes 20% of the nitrogen and 22% of the phosphorus loads entering the Chesapeake Bay. The Chesapeake Bay Program partners are 69% and 87% towards achieving the required reductions in nitrogen and phosphorus wastewater loads, respectively, to Bay tidal waters. These efforts are accounted for in the pollution reduction practices measures. As the Chesapeake Bay watershed's population continues to grow, the volume of waste requiring treatment will grow as well, requiring ongoing investment to maintain achievement of the goal.

Strategy

- To address this shortfall, the partnership must act strategically to:
- Issue the new annual nitrogen and phosphorus cap load permit limits to each significant municipal or industrial wastewater treatment facility by 2010;
 - Fund the necessary facility-specific nutrient reduction technology upgrades;
 - Undertake the required nutrient credit exchanges in order to achieve and maintain the facility-specific permitted limits; and
 - Determine the schedule for individual treatment facility upgrades and/or anticipated nutrient credit exchanges (through 2030) for each of the 483 significant facilities to ensure maintenance of the facility-specific and tributary basin wastewater treatment nitrogen and phosphorus cap load allocations.

Challenges

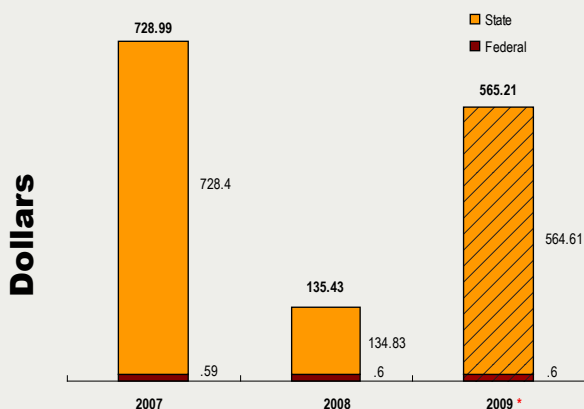
Maintaining the cap on loads in the face of continued population growth will require facility upgrades, process changes, operational modifications or enhancements, nutrient trading with other facilities and non-point sources, land application, and recycling/reuse of treated effluents. Enhancing treatment operations will require specialized training and information sharing to optimize the treatment performance and efficiency of the nutrient reduction systems.

Action Needed

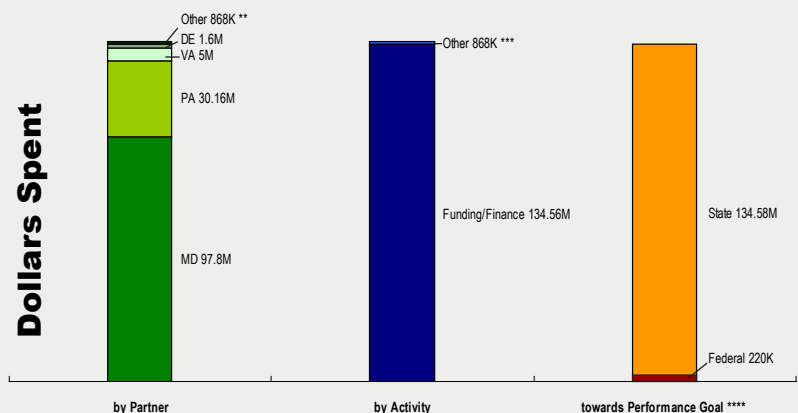
- Issue nitrogen and phosphorus cap load permit limits to the remaining significant municipal and industrial facilities by 2010.
- Ensure completion of treatment upgrades to be operational by 2010 at the facilities across the six-state watershed.

Strategic Analysis to be updated by the Goal Implementation Teams during 2009.

Current Funding (Millions) *



2008 Funding



* NOTE: These data will be improved in future iterations of the CBP dashboards. Funding data as of March 12, 2009. Reporting organizations include EPA, DC, DE, MD, NY, PA, VA.

** Other includes: EPA/CBPO, DC, NY, and EPA/Region 3

*** Other Includes: Regulation, Assessment, Technical Support, Program Management, TMDL Development, Information Management, Enforcement, and Communication

**** Included Activities: Funding/Finance, Regulation, Mitigation, Trading/Credit, and Technical Assistance