



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Bureau of Watershed Restoration
and Nonpoint Source Management

Pennsylvania's Phase 3 Chesapeake Bay Watershed Implementation Plan: Partners, Progress, and Funding

Environmental Justice Advisory Board

November 15, 2022

Tom Wolf, Governor

Ramez Ziadeh, P.E., Acting Secretary

Agenda

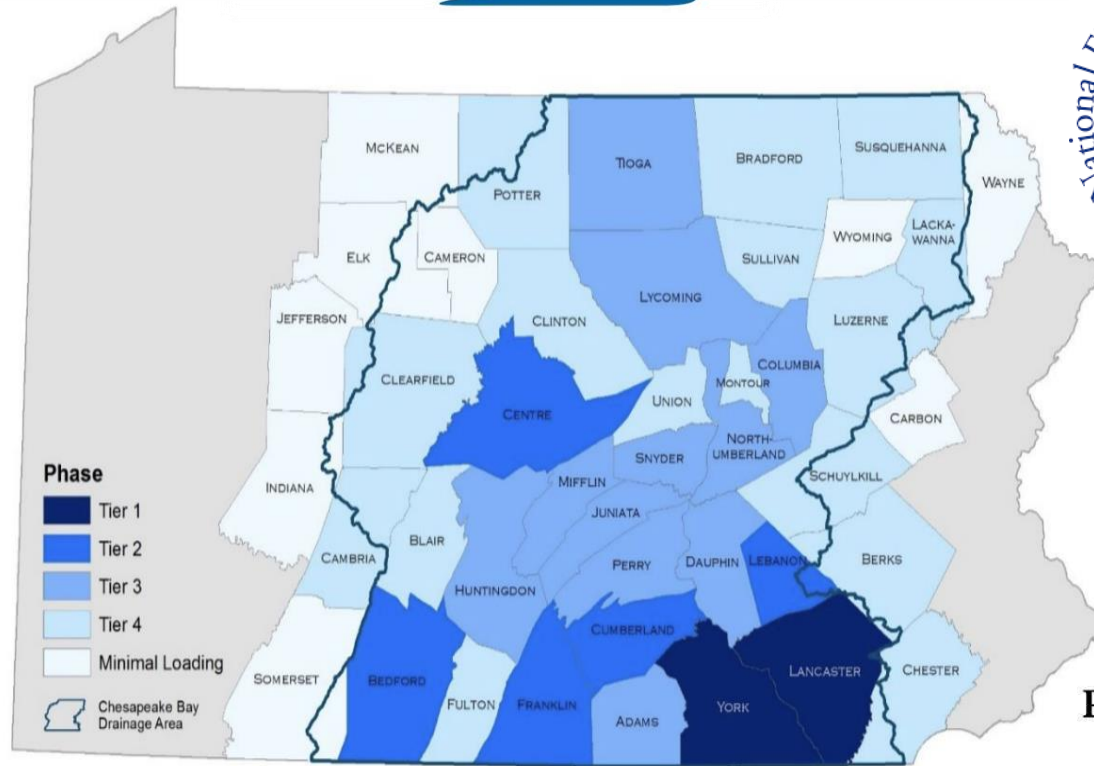
- Pennsylvania's Partners and Journey to Success
- Pennsylvania's Progress
- Funding Programs



Pennsylvania's Partners



Clean water:
Great for PA
Good for the Bay



PA's Phase 3 WIP: Journey to Success

2017: Bi-monthly meetings of 20-member, multi-sector, public/private WIP Steering Committee (lead by 3 Cabinet Secretaries)

2017: Seven active WIP Workgroups:
Agriculture, Communications & Engagement, Forestry, Funding, Local Area Goals, Stormwater, Wastewater

2017-2019: Monthly meetings of WIP Workgroups

June 2017: WIP Kickoff & Listening Summit - 240 people from diverse backgrounds working together on shared goals

2018 - 2019: Adams, Franklin, Lancaster, York Countywide Action Plan (CAP) pilot: 4 counties develop and implement first CAPs

April 2018: Local Area Planning and Community Toolbox Summit: share proposed local planning process with 200 participants

April – June 2018: Draft WIP Public Comment Period

August 2018: Best Management Practice Verification Program Planning Summit

Spring 2020: Tier 2 counties begin county planning

August 2019: PA submits Phase 3 WIP to EPA

Fall 2020: Outreach to Tier 3 and 4 counties and Tier 2 Counties complete CAP Development

Winter 2020-2021 – Tier 3 and 4 counties begin county planning

Fall 2021 – Tier 3 & 4 Counties complete CAPs and begin implementing – all 34 counties implementing CAPs

October – December 2021 – All CAPs incorporated into draft amended Phase 3 WIP submitted to EPA on December 30, 2021

Summer 2022 – final amended Phase 3 WIP submitted to EPA on July 18, 2022



Pennsylvania's Progress



Clean water:
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Good for the Bay

Bureau Transparency and Reporting

- Reporting to EPA
 - July
 - Final amended Phase 3 WIP – July 18, 2022
 - Review and comment on draft EPA Animal Agriculture Programs Assessment Report – July 25, 2022
 - Chesapeake Bay Regulatory Accountability Program (CBRAP) and Chesapeake Bay Implementation Grant (CBIG) semi-annual progress reports – July 30, 2022
 - August
 - Section 319 Nonpoint Source Management semi-annual progress report – August 1, 2022
 - Chesapeake Bay Accountability Recovery Act (CBARA) state cross-cut report – August 1, 2022
 - Final 2022-2023 Programmatic and 2022-2023 Numeric Milestones – August 5, 2022
 - Hosted EPA Region 3 State Partnerships Branch on a Field Tour of Fishing Creek and Conowingo Creek Watersheds – August 26, 2022
 - September
 - Submission of the Nonpoint Source Quality Assurance Project Plan (QAPP) and BMP Verification Program Plan Addendum – September 1, 2022
 - Introductory Meeting with Dr. Kandis Boyd – September 6, 2022
 - Discussion with EPA regarding Pennsylvania’s submitted 2022-2023 Milestone Commitments – September 30, 2022

Bureau Transparency and Reporting

- Reporting to EPA
 - October
 - Chesapeake Bay Executive Council Meeting – October 11, 2022
 - Lancaster’s CAP Funding Framework Event – October 13, 2022
 - Northcentral Partnership Field Tour with PA Fish and Boat Commission and EPA CBPO – October 18, 2022
 - EPA Section 319 Annual Program Review – October 20, 2022
 - Quarterly PA DEP/DOD/EPA Partnership Meeting – October 31, 2022
 - November
 - Ongoing compilation and submission of 2022 Annual Numeric Progress data
 - December
 - 2022 Annual Numeric Progress and revised QAPP – December 1, 2022
 - Ongoing
 - Bi-weekly EPA Chesapeake Bay Program Office (CBPO) Technical Assistance meetings
 - Monthly EPA CBPO and EPA Water Division WIP Progress meetings
 - Monthly USGS, EPA CBPO, and DEP meetings
 - Monthly Section 319 Nonpoint Source Management meetings

The Phase 3 WIP Amendment was submitted to EPA and published to the DEP Website.

It outlines how PA will meet **100% of its 2025 targets** for Nitrogen, Phosphorus and Sediment reduction.

The Amendment updates the WIP to:

- **Identify funding needs and opportunities for state, county-level, and sector initiatives.**
- **Ensure EPA modeling is updated to accurately reflect pollution reduction measures already on the ground.**
- **Define more ways to reach clean water goals through state, regional, and county partners.**
- **Provide implementation support for Countywide Action Plans.**



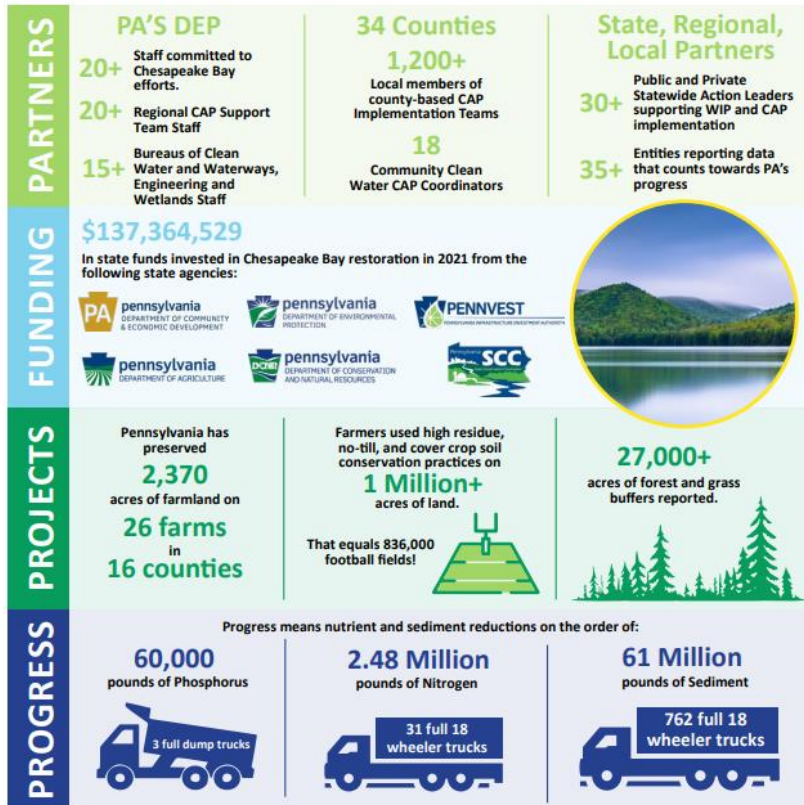
Clean water:
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Pennsylvania's Progress

PENNSYLVANIA'S 2021 PARTNERS IN PROGRESS

100% of the counties in the Bay watershed that were asked to draft Countywide Action Plans (known as CAPs) have done so

2021 was a year of unprecedented on-the-ground progress, with projects and large-scale partnership accomplishments in Pennsylvania's Chesapeake Bay watershed. All thanks to people and organizations across the watershed coming together with a shared commitment to cleaner water for Pennsylvania.



In October 2022:

DEP published the [2021 Healthy Waters Healthy Communities Annual Report](#)

DEP published the [2021-2022 Chesapeake Bay Agriculture Inspection Program \(CBAIP\) Annual Summary](#)

Water Quality Monitoring

- Water Quality Monitoring is showing the results of Pennsylvania’s historic and recent efforts to improve, restore, and protect water quality throughout the Chesapeake Bay watershed.
 - [Pennsylvania’s 2022 Integrated Water Quality Report \(IWQR\)](#) – more than 77 miles of streams have been **restored** for one or more uses in the Chesapeake Bay Watershed. This includes 32 miles of Aquatic Life use restored in the Bennett Branch Sinnamahoning Creek, a tributary to the West Branch Susquehanna River – the largest recorded Acid Mine Drainage (AMD) restoration in DEP’s history. The 2022 IWQR shows the third highest recorded restoration of miles for any two-year report cycle.
 - [USGS 2020 Nutrient and Sediment Trends Report](#) – This report provides a summary of long-term (1985-2020) and short term (2011-2020) trends in nitrogen, phosphorus, and suspended sediment loads for the River Input Monitoring (RIM) stations.
 - The **Susquehanna River** at Conowingo, MD shows **improving** long-term and short-term trends for nitrogen and phosphorus, and **improving** short-term trends for sediment.
 - The **Potomac River** at Chain Bridge, MD shows **improving** long-term and short-term trends for nitrogen, and **improving** long-term trends for phosphorus and sediment.



Funding Programs



Funding Programs

- Pennsylvania's 2022-2023 State Budget identifies a new "Clean Streams Fund" funded by COVID-ARPA
 - Agricultural Conservation Assistance Program (ACAP) (**new**) - \$154 million – State Conservation Commission
 - Nutrient Management Fund (**existing**) - \$25 million – State Conservation Commission joint administration with DEP
 - Clean Water Procurement Program (**new**) - \$22 million – PENNVEST joint administration with DEP
 - Keystone Tree Fund (**existing**) - \$8.8 million – Department of Conservation and Natural Resources
 - Stormwater Management Reimbursement Program (**new**) - \$8.8 million - DEP
 - Acid Mine Drainage (AMD) Treatment (**existing**) - \$4.4 million – DEP
- Additional funds for [H2OPA and Small Sewer Projects](#) allocated to Department of Community and Economic Development
- Additional federal funds from EPA for the State Revolving Fund (SRF) and the Drinking Water State Revolving Fund (DWSRF) have been awarded to PENNVEST, with joint administration with DEP

Funding Programs

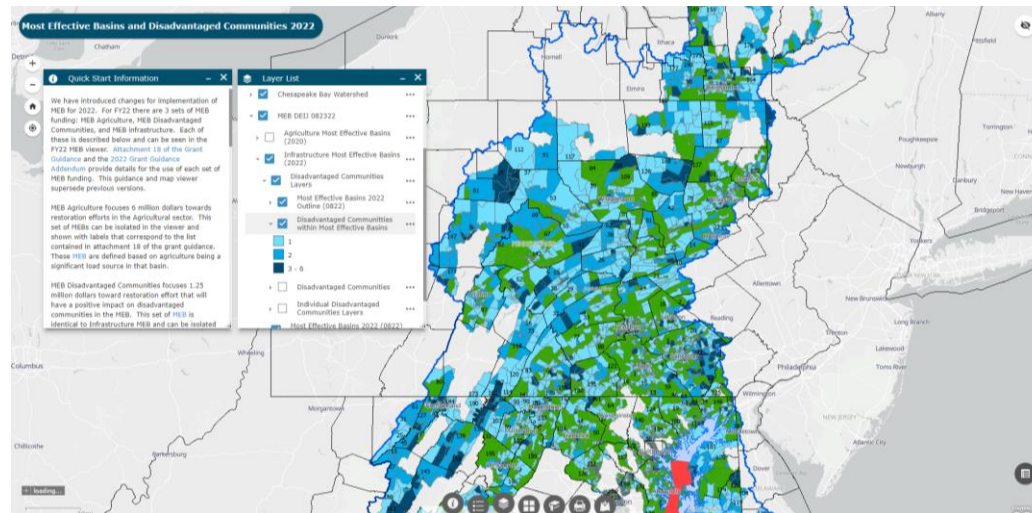
- [Growing Greener Plus](#) **(existing)**
 - 2022 Awards slated to be announced in December 2022
 - 2023 Grant Round slated to open in Spring 2023
- [Section 319 Nonpoint Source Management Grants](#) **(existing)**
 - [FY2022 Awards](#) announced in October
 - FY2023 applications undergoing joint DEP and EPA review
- Countywide Action Plan (CAP) Community Clean Water Coordinator and Implementation Grants – Flexible allocation-based “Block Grant” Program **(existing)**
 - [2022 Awards](#) announced December 2021
 - 2023 awards slated for announcement in December 2022

Funding Programs

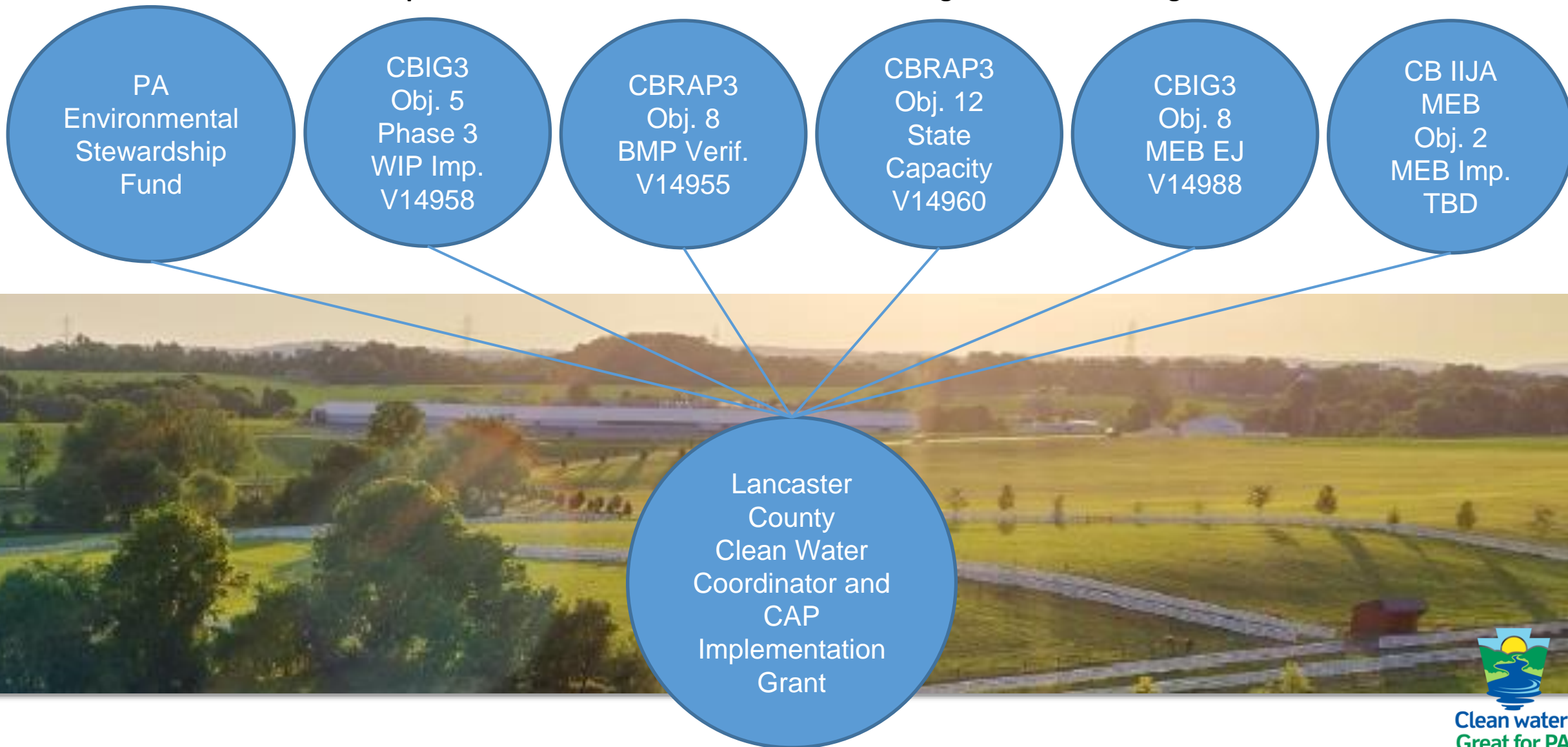
EPA Chesapeake Bay Infrastructure Investment and Jobs Act (IIJA) Most Effective Basin (MEB) (new)

- \$15 million of the \$47 million available every year is distributed to state agencies in seven jurisdictions.
- In 2022, Pennsylvania received \$5,598,333, distributed to DCNR (\$3 million), DEP (\$1.8 million), and SCC (\$798,333)
- The focus is on water quality improvement project implementation in Most Effective Basins – watersheds with the greatest nitrogen reduction effectiveness to the Bay tidal waters – and in disadvantaged communities, following demographic metrics from the American Community Survey
- This IIJA MEB funding is in addition to the EPA MEB Environmental Justice (MEB EJ) and EPA MEB Agriculture (MEB Ag) funding

MEB Map Viewer



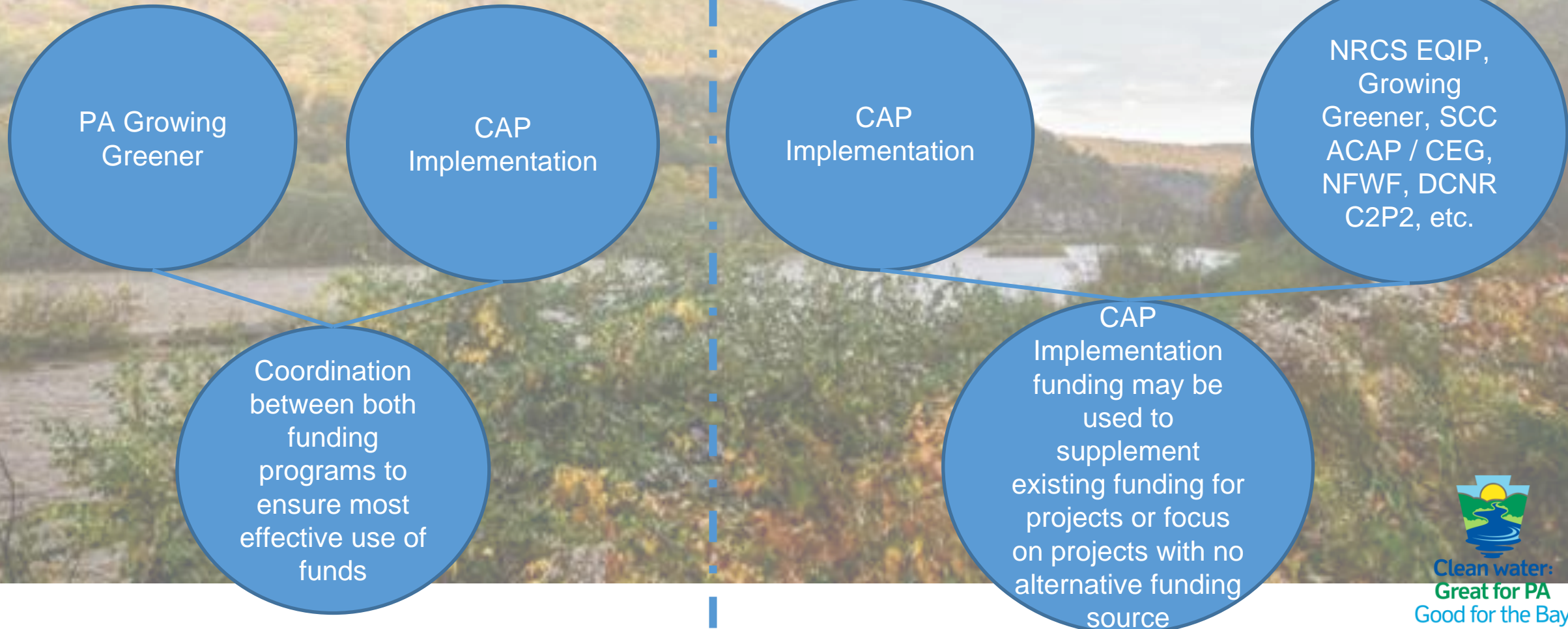
Federal CBRAP and CBIG grants require 50/50 match and workplan / progress reporting broken down by objective.
DEP covers all match requirements with Chesapeake Bay Abatement and Env. Stewardship Fund (ESF)
Example of how we can consolidate different funding sources into one agreement:



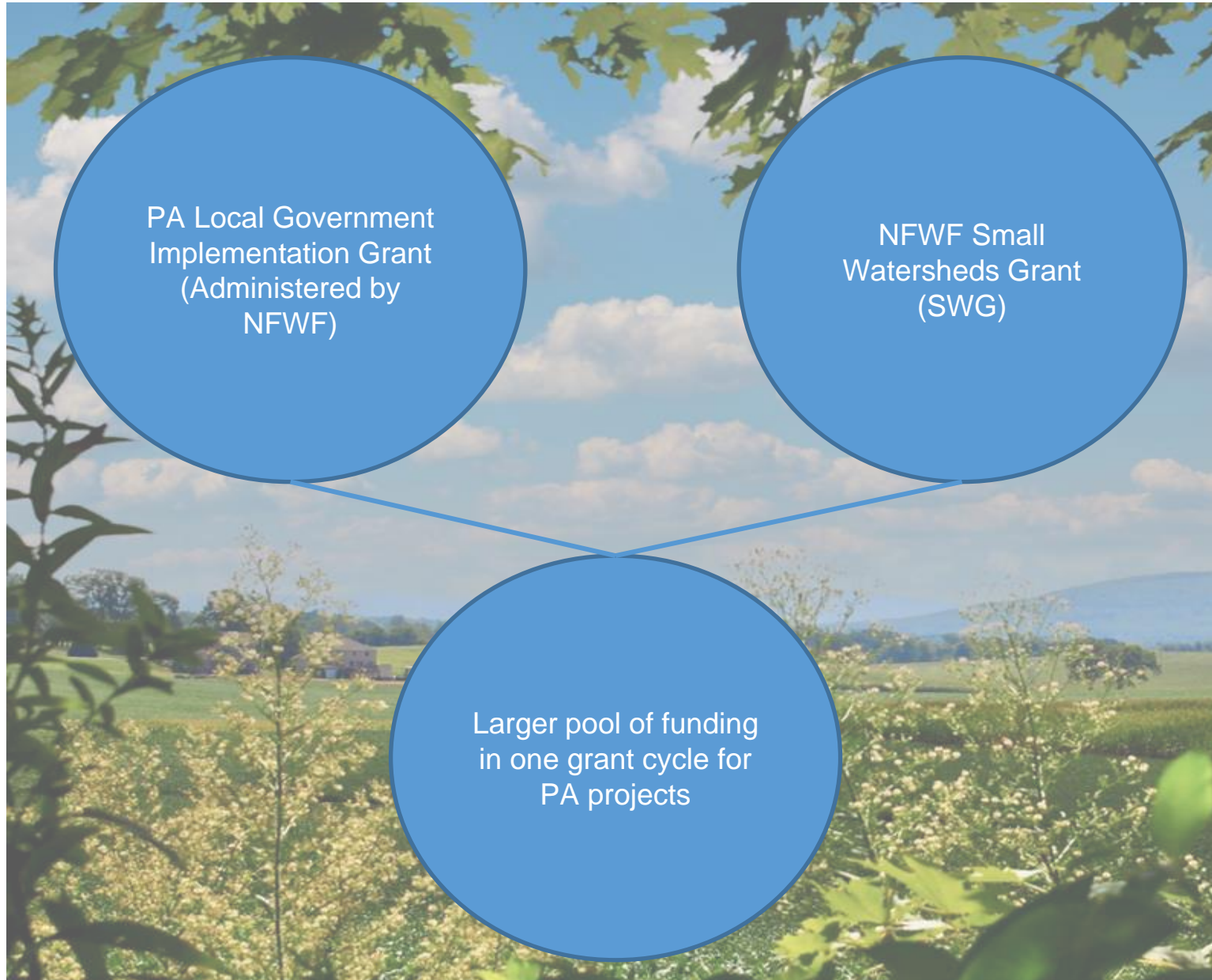
Growing Greener requires applicants to contact Clean Water Coordinators to ensure:

- A) the Coordinator is aware of the project application in their county
- B) the applicant meets the Growing Greener eligibility; CAP Implementation would not be the best-suited program

New for 2023 – CAP Implementation Grant applications may include existing projects that need additional funding (due to high costs / inflation), identify projects with no alternative funding source, as well as if the project is within disadvantaged communities, to allow for potential other sources of funds (such as the EPA IJIA MEB or MEB EJ)



NFWF administers the PA Local Government Implementation Grant (provided by EPA) on behalf of DEP
Since 2021, NFWF has merged the two pools of funding to expand PA's funding for the SWG program



Resources

- Pennsylvania's final amended [Phase 3 WIP](#)
- [Countywide Action Plans](#)
- [Join in!](#) Work with your community in the Chesapeake Bay to improve local waters
- [Track Pennsylvania's Progress](#)
- Sign up for the monthly [Healthy Waters Partners. Projects. Progress](#) e-newsletter

[DEP](#) > [Businesses](#) > [Water](#) > [Pennsylvania's Chesapeake Bay Program Office](#) > [PA's Phase 3 WIP](#) > [Newsletter](#)



HEALTHY WATERS

Pennsylvania. Partnership. Progress

The Department of Environmental Protection Chesapeake Bay Office (CBO) produces a monthly newsletter to showcase progress and updates on the statewide Phase 3 Watershed Implementation Plan and our local partners' Countywide Action Plans. Our newsletter will highlight activities from the CBO and our partnering counties, agencies, and action team leaders; reporting and data tools; funding and grant opportunities; and major announcements.

[Sign up for the newsletter](#) 

Summary

- Pennsylvania continues to show success through programmatic, policy, funding, legislative, and local action.
- DEP continues to add reporting sources and communicates with EPA and stakeholders on a regular basis.
- Funding for additional human resources and projects is essential to implement the programs and priority initiatives called for in the CAPs and Phase 3 WIP.
- Nutrient and sediment reductions are estimated using modeling tools and scenarios were developed to demonstrate cumulative effect of Pennsylvania's watershed restoration efforts.
- DEP thanks all community members, county lead entities, conservation districts, clean water coordinators, and legislative, state, federal and nonprofit organizations for the efforts that have been put forth to date. We are excited to continue the positive momentum!



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