Chesapeake Bay Program Update

Local Government Advisory Committee Meeting

September 25, 2020

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EPA Region III/Chesapeake Bay Program Office





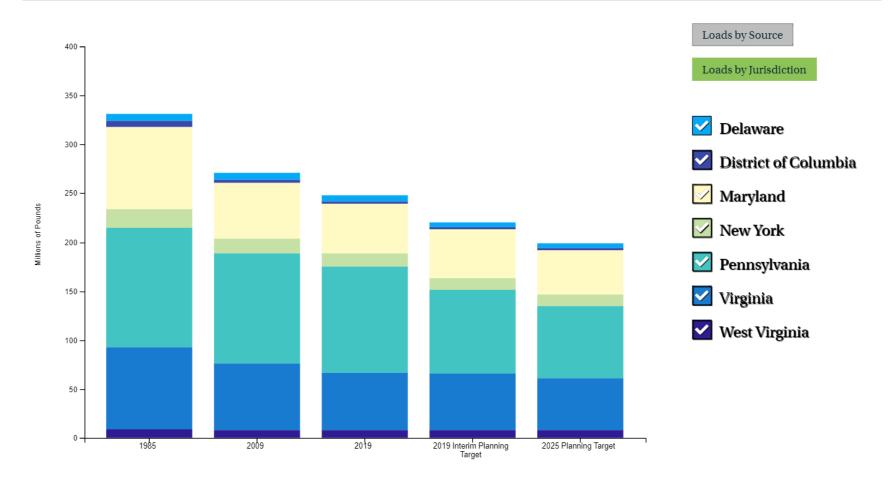
EPA CBPO Program Update

- The jurisdictions progress in meeting 2025 targets
- Conowingo WIP Update
- Most effective basins funding allocation methodology
- Diversity, Equity, Inclusion, and Justice commitments
- Other?



Modeled Nitrogen Loads to the Chesapeake Bay (1985-2019)

Loads simulated using CAST17 and jurisdiction-reported data on wastewater discharges.



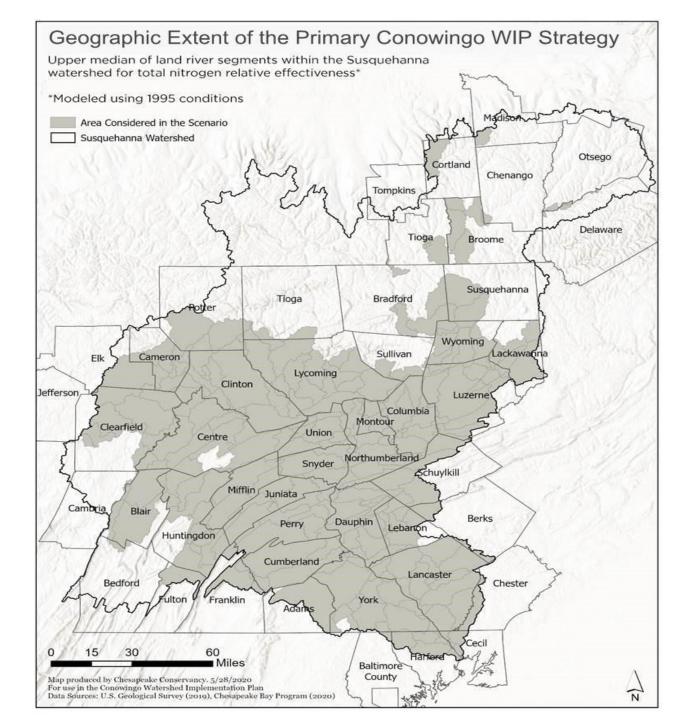
https://www.chesapeakeprogress.com/

Jurisdictions 2019 Progress Summary

Jurisdiction	Meeting 2025 Targets For:	NOT Meeting 2025 Targets For:
DE	P and S	N
DC	ALL	
MD	S	N and P
NY	Р	N and S
PA	NONE	
VA	S	N and P
WV	ALL	

Draft Conowingo WIP Implementation Strategy

- The Steering Committee and the PSC approved one "preferred" implementation scenario to target most nitrogen-effective practices in the Susquehanna River basin (PA, MD, & NY), which has the greatest relative influence on Dissolved Oxygen in the Bay.
 - The majority of implementation will occur in PA.
 - The cost per year is \$53.3M (the range for the other 10 scenarios that were considered is \$50M \$368M)
- The primary WIP strategy supports restoration efforts in three core areas:
 - 1. Natural filters (e.g., wetland restoration & riparian forest buffers)
 - 2. Sustainable farm practices (e.g., prescribed grazing & conservation tillage)
 - Nutrient reduction practices (e.g., nutrient management & manure incorporation)



Nitrogen Load Reduction (Millions of Pounds) for the
Primary CWIP Scenario

STATE	Sector	Baseline	Primary CWIP	N Reduction
MD	Agriculture	0.85	0.68	0.17
	Developed	0.35	0.35	0.00
	Natural	0.26	0.26	0.01
	Septic	0.19	0.19	0.00
	MD Total	1.67	1.49	0.18
NY	Agriculture	5.62	5.50	0.12
	Developed	1.52	1.52	0.01
	Natural	2.97	2.96	0.01
	Septic	0.19	0.19	0.00
	NY Total	12.39	12.26	0.13
PA	Agriculture	39.20	33.51	5.69
	Developed	13.98	13.34	0.64
	Natural	16.51	16.42	0.09
	Septic	1.66	1.66	0.00
	PA Total	79.29	72.87	6.41
TOTAL 93.35 86.62 6				6.72

Conowingo WIP & Financing Strategy Timeline --Subject to Change--

- Sept 15 Oct 1: PSC Review of Draft Conowingo WIP
- Oct 1 Oct 9: Revisions to draft based on PSC comments
- Oct 15: PSC approves public release of draft Conowingo WIP
- Oct 16 Dec 21: 60-day public review of draft Conowingo WIP
 - Includes EPA's formal review and evaluation of draft WIP
- **Steering Committee needs to determine schedule for finalizing the Conowingo WIP based on feedback received from the public comment period and EPA
- **Dec 2020**: Draft financing strategy submitted to Steering Committee for review and comment
- March 2021: Final financing strategy posted to CBP website
- Winter 2022-2023: Implementation of financing activities

Chesapeake Bay Program Office Most Effective Basins Funding

 Load effectiveness is a measure of the ability of management practices implemented in a given area (basin) to have a positive effect on dissolved oxygen in the Bay.

• Load effectiveness is the combination of three factors: land to water, delivery, and dissolved oxygen response. There are 383 basins in the watershed being used for this methodology.

Chesapeake Bay Program Office Most Effective Basins Funding

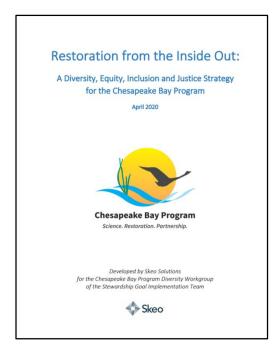
- Will provide this funding for nitrogen reduction from the most cost-effective BMPs in the agricultural sector to the Chesapeake Bay watershed jurisdictions that have committed to reducing the agricultural contribution of nitrogen in their Phase III WIPs, i.e. DE, MD, NY, PA, VA, WV.
- Using the state Phase III WIPs, each identified nitrogen reduction commitment between now and 2025. The total load of these obligations to reduce nitrogen from agriculture was added and then a percentage for each jurisdictions was determined to allocate this \$6 million of MEB funding.

Chesapeake Bay Program Office Most Effective Basins Funding

 Table 1 shows, by jurisdiction, the percentage of agricultural sector implementation proposed in each WIP and the resulting MEB funding allocation.

Jurisdiction	Phase III WIP Ag Nitrogen Commitment (million pounds)	Percent of Total Nitrogen Commitment Proposed	MEB Funding Allocations (\$)
DC	0.0	0.00%	-
DE	2.2	6.08%	\$ 364,540
MD	4.2	11.60%	\$ 695,940
NY	0.5	1.33%	\$ 79,536
PA	22.3	61.59%	\$ 3,695,112
VA	6.7	18.50%	\$ 1,110,191
WV	0.3	0.91%	\$ 54,681
Totals	36.2	100.00%	\$ 6,000,000

Quick reminder...



The DEIJ Strategy was developed by Skeo Solutions with the Diversity Workgroup's input. It is 59 pages long and has 20 broad recommendations with a total of 48 total actions for the CBP.

Chesapeake Executive Council

Statement in support of diversity, equity, inclusion



CBP Vision from the 2014 Chesapeake Bay Watershed Agreement

Chesapeake Bay Program partners envision an environmentally and economically sustainable Chesapeake Bay watershed with clean water, abundant life, conserved lands and access to the water, a vibrant cultural heritage, and a diversity of engaged citizen.

Our Commitment to Diversity, Equity, Inclusion and Justice

Our commitmentation of the control policy included in all assistant managements of the Changeshie By systemation effort depends on the socialistic, just and includes engagement of all commitments less ingh throughout the wasterhald. The management of all commitments less ingh throughout the wasterhald. The management of all commitments in the production of the second production and disabilities and quite of the diversity groups, as well as promoting equal employment opportunities and expending with other diversity groups, as well as promoting equal employment opportunities and expending the diversity of the workforce and participants in restoration and conservation activities. For this effort to be successful it will require us to honor cutume, history and social increment folice playedness and commitments.

The Chesapeake Bay Program partners acknowledge that individually, each partner has established policies and programs wit risk chastapask say regiges putnets schowledge that inholizoids, data partner are statisticate plocide say regiges in when the facility of the property of th

The impacts of discrimination and continuing environmental, economic and health disparities disproportionately burden inderserved communities, including those of color, low-income status and indigenous populations. This limits access to clean water and air, fish, wildlife and outdoor recreation, and results in inequitable impacts on the human health and the surrounding environment for these communities. Disparities are only exacerbated by such environmental factors as climate change and

The Chesapeake Bay Program partners believe the full diversity of people who live, work and recreate in the Chesapeake Bay watershed have a right to benefit from, and help guide, the future of an environmentally and economically sustainable Chesapeaks Bay watershed with clean water and air, abundant fish and wildlife, conserved lands, access to the water and a vibrant cultural

We reaffirm our commitment to embrace diversity, equity, inclusion and justice in all areas of the Chesapeake Bay Program t ammin our comminment to emprace orientacy, equity, inclusion and justice in all areas or the Chesapeace day rive e our mission. As a partnership, we commit to: Strengthen and improve diversity, equity, inclusion and justice in our organizational structure, leadership, p

- strategic goals, restoration and conservation activities, workplans and program delivery, including guidance on including DEIJ and environmental justice criteria in grant targeting and evaluations.
- Engage, recruit and retain leadership, staff, appointees, interns and volunteers that reflect the diversity of peop within the Chezapeake Bay region.
 Foster a culture of indusion, respect and mutual learning within the Chezapeake Bay Program by leading organic
- change and empowering new voices and perspectives in our outreach, engagement and internal de
- . Following consultation and coordination, determine how to best include federally recognized tribes in the Bay watersher
- Develop long-term relationships, partnerships and increased collaborative planning with organizations led by and primarily serving communities of color and other underrepresented populations that result in informed and mutuall beneficial decisions and outcomes.
- Ensure the benefits of our science, restoration and partnership programs are distributed in a fair and equitable m without adverze, disproportionate impacts on vulnerable populations, especially those of lower economic status, indigenous, historically underrepresented communities and people of color.
- Continue to learn and share best practices as an organization in our evolving understanding of how best to prodiversity, equity, inclusion and justice.

The Executive Council's DELI Statement articulates our commitment to embrace DEIJ in all areas of the Chesapeake Bay Program. It is 2 pages long.



Diversity, Equity, Inclusion and Justice

Action Statement

Chesapeake Bay Program Principals' Staff Committee

The Chesapeake Bay watershed is home to diverse communities with rich variation in culture, demographics and perspectives. It is important to embrace this diversity and promote the meaningful involvement, treatment and inclusiveness of all people in the implementation of the Chesapeake Bay Watershed Agreement. In doing so, we will be better able to achieve healthy local streams and lands, as well as a vibrant Chesapeake Bay that is shared by all people throughout the watershed.

The Chesapeake Bay Program partners acknowledge that individually, each partner has established policies and programs with the goal of advancing environmental and public health protection for all. Through these programs, the seven Bay jurisdictions, Environmental Protection Agency, other federal agencies, the Chesapeake Bay Commission and partners are working to address and advance diversity and environmental justice issues. We also recognize that there is more we must do as a united partnership, and for this reason we explicitly and tangibly commit to diversity, equity, inclusion and environmental justice. Partners will continue to build on this work sharing best practices, and with the acknowledgement that this work may indeed look different across the jurisdictions and space represented as a partnership, we will move forward together. Further, we recognize the importance of addressing racism and other forms of discrimination in our efforts, structures and acts of daily

Recognizing this, the Chesapeake Bay Program accepts the report and recommendations in the Diversity, Equity Inclusion and Justice Strategy (DEIJ Strategy) - developed by an independent consultant for the Chesapeake Bay Program Diversity Workgroup of the Stewardship Goal Implementation Team (GIT) and finalized in 2020. To the extent consistent with state and federal law and policy, members of the Principals' Staff Committee (PSC) will strive to implement the recommendations of the DEIJ Strategy. The Chesapeake Bay Program Diversity Workgroup, which was formed in 2014, started working with an independent DEIJ consultant in 2018 to conduct a DEIJ readiness assessment of the partnership and developed a tailored DEIJ Strategy that recommends the

- · Increase racial and ethnic diversity among partnership staff and leadership.
- Help partners develop as DEIJ leaders who understand, respect and embrace cultural diversity.
- Provide partners with the tools to continually assess progress towards diversity, equity, inclusion, and

The DEIJ Strategy contains recommendations that are grouped into four DEIJ framework focus areas. The consultant developed these recommendations based on interviews with Chesaneake Bay Program teams and leadership, a DEIJ readiness survey, two focus groups, a review of key partnership policy documents and input from the Diversity Workgroup. They provide a visionary framework to be used by the partnership as a guide to help integrate DEIJ into the implementation of management strategies and inform biennial logic and action plan activities that achieve the outcomes of the Chesapeake Bay Watershed Agreement.

The PSC's action statement articulates your commitment to implement the recommendations in the CBP DEIJ Strategy. It is 3 pages long and has 5 actionable commitments.

The five commitments in the PSC Action Statement



Diversity, Equity, Inclusion and Justice

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5 PSC ACTION STATEMENT COMMITMENTS

To implement the recommendations in the DEIJ Strategy, the PSC commits to:

- 1. Within six months of the signing of the Chesapeake Executive Council statement, a draft implementation plan for the DEIJ Strategy will be presented to the PSC. The development of this plan will include direct outreach to underrepresented communities for input and feedback.
- 2. Within three months of the signing of the Chesapeake Executive Council statement, explore a process for a community advisory board composed of environmental justice leaders and representatives from organizations led by people of color or other underrepresented groups. This board could be part of one of the partnership's existing advisory boards (Citizens Advisory Committee or Local Government Advisory Committee).

5 PSC ACTION STATEMENT COMMITMENTS

- 3. Advancement of the DEIJ Strategy through work plan development and implementation for all GITs and Workgroups on their respective strategy review system schedules.
- 4. Meaningful inclusion of DEIJ milestones on the agendas for the Management Board and PSC meetings at a minimum every six months with a commitment to update the Chesapeake Executive Council annually.
- 5. Meaningful consideration of DEIJ in development of any future Chesapeake Bay Watershed Agreement(s).

PSC Commitment #2

Within three months of the signing of the Chesapeake Executive Council statement, explore a process for a community advisory board composed of environmental justice leaders and representatives from organizations led by people of color or other underrepresented groups. This board could be part of one of the partnership's existing advisory boards: the Citizens Advisory Committee (CAC) or Local Government Advisory Committee (LGAC).

Recent coordination:

- We've had recent conversations with the Diversity Workgroup, CAC, GIT 6 (Enhance Partnering, Leadership, and Management GIT), and MB about this.
- We developed a Community Advisory Board (CAB) Options and Issues Paper that we will share on the screen at this time.

Questions?



Learn more:

- www.chesapeakebay.net
- www.chesapeakeprogress.com
- www.epa.gov/chesapeake-bay-tmdl
- Facebook: Chesapeake Bay Program
- Twitter: @chesbayprogram
- Instagram: @chesbayprogram

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