

# **CHESAPEAKE BAY RESTORATION SPENDING CROSSCUT**

Report to Congress

Office of Management and Budget

December 2023

The Chesapeake Bay Watershed



Chesapeake Bay Restoration Spending Crosscut

*This report represents an accounting of Federal and, to the extent available, State, funding for Chesapeake Bay restoration activities. This report is provided to Congress in response to Section 3 of the Chesapeake Bay Accountability and Recovery Act (CBARA) of 2014.*

The Fiscal Year (FY) 2024 Budget recognized the importance of Chesapeake Bay restoration activities and included a request of over \$527 million for high priority programs and projects in the Chesapeake Bay Watershed.

This crosscut presents information on Federal funding from FY 2021 enacted through the FY 2024 Budget for Chesapeake Bay restoration work in the following formats for those Federal agencies on the Federal Leadership Committee for the Chesapeake Bay:

- Total Federal funding by agency;
- Agency funding details

As directed in CBARA, the Office of Management and Budget (OMB) also requested Chesapeake Bay restoration funding data from the Chesapeake Bay Watershed States—Maryland, Virginia, Pennsylvania, Delaware, West Virginia, New York, and the District of Columbia. OMB received tabular data from all of the states and this report includes the submitted state data. OMB greatly appreciates but cannot verify the completeness or accuracy of the state data. Further, because the state data includes funding received from Federal sources, there may be double-counting between the state and Federal tables.

It is important to note that in many instances the funding numbers shown are extrapolated from past funding provided to the region or estimated based on the portion of the program focused directly on Chesapeake Bay restoration activities. The funding ultimately provided to Chesapeake Bay watershed efforts may differ from these estimates.

A few other funding notes are necessary. All Federal and State dollars are reported in thousands and rounding errors may occur. The data request for both Federal agencies and States excluded programs and projects that received less than \$100,000 in funding, though all data received is included in the tables below. In addition, the current year (FY 2023) funding only reflects data through the second quarter of the fiscal year. Depending on the program, fiscal outlays may be weighted toward the third or fourth quarters. As a result, second quarter numbers reflect only a partial snapshot of program execution.

## Federal Data

**Table 1—Federal Agency Totals<sup>1, 2</sup>**

(Budget authority in thousands)	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IIJA Allocation	IIJA Obligations	IIJA Outlays	Operating Level	Obligations Through Q2	Outlays Through Q2	IIJA Allocation	IIJA Obligations Through End of Q2	IIJA Outlays Through End of Q3	President's Budget	IIJA Allocation
Department of Agriculture	164,352	195,603	115,682	164,619	232,133	137,407	6,172	4,568	858	175,101	95,534	119,783	6,921	6,312	1,967	221,809	0
Department of Defense (non-Army Corps)	57,547	46,832	69,904	62,676	62,544	65,531	0	0	0	21,847	86,476	37,880	0	0	0	26,022	0
Department of Commerce	23,469	22,777	17,931	22,156	21,421	21,132	17,452	17,452	17,452	26,199	8,513	10,321	2,270	632	632	22,026	0
Department of Homeland Security	2,055	2,055	2,323	2,110	2,110	2,794	0	0	0	6,116	4,881	1,094	0	0	0	400	0
Department of the Interior	36,054	34,409	30,413	40,891	35,269	30,541	1,150	1,134	993	46,775	17,606	16,967	1,200	540	300	35,674	0
Department of Transportation	0	24,590	27,973	0	4,330	5,729	0	3,134	2,900	0	-211	1,098	0	-6	183	0	0
Environmental Protection Agency	234,148	224,524	240,958	198,106	199,162	206,886	188,876	183,534	251	171,027	38,157	124,465	220,653	3,659	66,356	206,783	220,653
Army Corps of Engineers	23,748	23,810	24,486	50,543	22,599	19,378	84,000	31,394	163	44,056	5,242	5,161	0	1,374	1,218	14,756	0
<b>Total, All Agencies</b>	<b>541,373</b>	<b>574,600</b>	<b>529,670</b>	<b>541,101</b>	<b>579,568</b>	<b>489,398</b>	<b>297,650</b>	<b>241,216</b>	<b>22,617</b>	<b>491,121</b>	<b>256,198</b>	<b>316,769</b>	<b>231,044</b>	<b>12,511</b>	<b>70,656</b>	<b>527,470</b>	<b>220,653</b>

<sup>1</sup> In all tables, funding amounts are rounded to the nearest thousand. Rounding errors may result.

<sup>2</sup> Prior year reported funding levels may have changed from previous reports due to availability of better data, error corrections, or classification changes for projects.

**Table 2—Department of Agriculture**

	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IJA Allocation	IJA Obligations	IJA Outlays	Operating Level	Obligations Through End of Q2	Outlays Through End of Q2	IJA Allocation	IJA Obligations Through End of Q2	IJA Outlays Through End of Q2	President's Budget	IJA Allocation
<b>(Budget authority in thousands)</b>																	
<b>Animal and Plant Health Inspection Service</b>																	
Wildlife Services, Virginia- Federal Cooperative Funding	170	170	170	700	361	361	0	0	0	519	157	157	NA	NA	NA	0	NA
Wildlife Services, Maryland- Federal Cooperative Funding	1,500	1,158	1,158	1,099	750	750	0	0	0	1,500	475	475	NA	NA	NA	250	NA
<b>Agricultural Research Service</b>																	
Water Availability and Water Management	5,762	5,762	5,762	6,145	6,145	6,145	0	0	0	6,324	6,324	6,324	0	0	0	6,145	0
Climate Change, Soils, and Emissions	6,169	6,169	6,169	5,871	5,871	5,871	0	0	0	6,153	6,153	6,153	0	0	0	5,871	0
Pasture, Forage and Rangeland Systems	417	417	417	424	424	424	0	0	0	438	438	438	0	0	0	424	0
Agricultural System Competitiveness & Sustainability	1,316	1,316	1,316	1,339	1,339	1,339	0	0	0	1,380	1,380	1,380	0	0	0	1,339	0
<b>Farm Service Agency</b>																	
Conservation Reserve Program (CRP)	33,700	25,000	25,000	33,700	24,808	24,808	0	0	0	33,700	25,709	25,709	0	0	0	33,700	0
<b>Forest Service <sup>1</sup></b>																	
NFS <sup>2</sup>	1,111	1,111	1,111	1,328	1,328	1,328	474	474	474	1,629	1,629	1,629	466	466	466	0	0
LWCF - NFS	415	415	415	303	303	303	0	0	0	0	0	0	0	0	0	0	0
SPF Cooperative Lands <sup>3</sup>	1,216	1,216	1,216	1,217	1,217	1,217	0	0	0	109	109	109	0	0	0	0	0
LWCF - Forest Legacy <sup>4</sup>	2,835	2,835	2,835	0	0	0	0	0	0	0	0	0	0	0	0	0	0

R&D <sup>5</sup>	1,200	1,200	1,200	1,200	1,200	1,200	0	0	0	1,200	1,200	1,200	0	0	0	1,200	0
<b>National Institute of Food and Agriculture</b>																	
Hatch Act	1,987	1,987	1,987	1,995	1,995	1,995	0	0	0	2,033	2,033	2,033	0	0	0	2,033	0
Evan-Allen	2,704	2,704	2,704	2,963	2,963	2,963	0	0	0	3,296	3,296	3,296	0	0	0	3,630	0
McIntire Stennis (a)	419	419	419	419	419	419	0	0	0	442	442	442	0	0	0	442	0
AFRI (b) <sup>6,7</sup>	500	500	500	1,577	1,577	1,577	0	0	0	3,224	1,425	1,425	0	0	0	1,619	0
Other Grants <sup>6</sup>	1,728	1,728	1,728	393	393	393	0	0	0	637	0	0	0	0	0	650	0
<b>Natural Resources Conservation Service</b>																	
Conservation Operations	15,000	13,442	12,461	14,847	12,989	10,980	N/A	N/A	N/A	15,258	5,084	4,479	N/A	N/A	N/A	15,250	0
Agricultural Conservation Easement Program (ACEP)	4,700	4,773	3,910	4,949	8,768	2,777	N/A	N/A	N/A	6,930	349	1,340	N/A	N/A	N/A	6,750	0
Agricultural Management Assistance (AMA)	500	1,213	618	758	1,119	500	N/A	N/A	N/A	527	22	245	N/A	N/A	N/A	550	0
Chesapeake Bay Watershed Program (CBWP)	0	7	1	7	5	5	N/A	N/A	N/A	0	4	4	N/A	N/A	N/A	0	0
Conservation Reserve Program (CRP)	3,800	3,148	3,160	5,477	6,075	4,676	N/A	N/A	N/A	3,321	2,093	2,370	N/A	N/A	N/A	3,400	0
Conservation Stewardship Program (CSP)	9,900	16,717	7,064	24,340	20,433	11,835	N/A	N/A	N/A	28,347	7,649	12,434	N/A	N/A	N/A	22,000	0
Environmental Quality Incentives Program (EQIP)	63,900	54,709	29,210	52,714	60,779	45,298	N/A	N/A	N/A	57,378	15,047	26,393	N/A	N/A	N/A	57,500	0
Farm and Ranch Lands Protection Program (FRPP)	0	0	0	0	0	0	N/A	N/A	N/A	0	0	0	N/A	N/A	N/A	0	0
Regional Conservation Partnership Program (RCPP)	3,200	8,438	3,809	802	8,858	4,295	N/A	N/A	N/A	701	239	1,609	N/A	N/A	N/A	670	0

Wetlands Reserve Program (WRP)	0	10		0	46	744	N/A	N/A	N/A	0	5	128	N/A	N/A	N/A	0	0
Wildlife Habitat Incentives Program (WHIP)	0	23	0	0	0	15	N/A	N/A	N/A	0	0	2	N/A	N/A	N/A	0	0
Watershed Rehabilitation	0	0	0	0	0	0	3,710	2,400	18	0	0	0	4,700	4,255	50	0	0
Watershed and Flood Prevention Operations Program (WFPO)	0	0	0	0	0	0	275	214	179	0	0	0	275	233	221	0	0
Emergency Watershed Protection Program (EWP) <sup>9</sup>	0	0	0	0	0	0	1,713	1,480	187	0	0	0	1,480	1,358	1,230	0	0
<b>Office of the Chief Economist</b>																	
Environmental Market Development	204	102	102	52	30	22	0	0	0	55	40	15	0	0	0	56	0
<b>Rural Development</b>																	
Rural Utilities Service Water and Environmental Programs <sup>8</sup>	0	38,915	1,241	0	61,938	5,167	0	0	0	0	14,232	19,994	0	0	0	58,330	0
<b>Total, USDA</b>	<b>164,352</b>	<b>195,603</b>	<b>115,682</b>	<b>164,619</b>	<b>232,133</b>	<b>137,407</b>	<b>6,172</b>	<b>4,568</b>	<b>858</b>	<b>175,101</b>	<b>95,534</b>	<b>119,783</b>	<b>6,921</b>	<b>6,312</b>	<b>1,967</b>	<b>221,809</b>	<b>0</b>

<sup>1</sup> The Forest Service generally obligates the funding in same year it is received so for the purposes of this report, the obligations and outlays stay the same.

<sup>2</sup> NFS amounts include all Watershed, Wildlife and Fish restoration activities, Non-native Invasive Species treatments and Prescribed burning to improve habitat as it supports Chesapeake Bay Agreements. Reported amounts may include: Salary for permanent employees, fleet vehicles, or travel

<sup>3</sup> State and Private Forestry Cooperative Lands includes programs and projects directly associated with Chesapeake restoration, including related Landscape Scale Restoration grants and \$100k of subgrants through National Fish and Wildlife Foundation (NFWF).

<sup>4</sup> LWCF-Forest Legacy projects are not chosen until January each year. The list is confirmed when the budget is passed by Congress. Zeros indicate that there were no approved projects those years within CB watershed.

<sup>5</sup> Research and Development funding is an estimate of annual expenditures on Chesapeake Bay activities directly and indirectly associated with Chesapeake restoration.

<sup>6</sup> BDR requests obligations for 2023 thru Q2 only. Both the AFRI and Other Program entry have awards made after that reporting period, NIFA is reporting the total current funding allocated in the Operating Level. Only those obligated before Q2 ending 30 March are reported in the Obligations column

<sup>7</sup> During 2019 and 2020 thru AFRI Sustainable Agricultural Systems Integrated NIFA awarded two separate multi year awards that were \$8M and \$10M, impacting what had been a previous trend of less than \$3M in Obligations for the program.

<sup>8</sup> The Rural Utilities Service, Water and Environmental Programs (WEP) does not receive an appropriation, earmark, set-aside, or any other form of funding specific to the Chesapeake Bay Watershed (Watershed). From time-to-time WEP may make loans and/or grants that benefit borrowers who are located within the Watershed, but the Agency does not have policies or procedures that identify or direct the use of monies for the benefit of the Watershed. WEP is reporting the BA for loans and grants that were made in the Watershed whether or not they had a direct impact on assisting the cleanup. Absent guidance, WEP estimated what areas/counties might be considered part of the Watershed. In FY21, FY22, and FY23, the program carried a negative subsidy rate, so figures only reflect grant monies. FY24 will carried a positive subsidy rate, so the average PL was converted to BA and included in the total obligations. The majority of obligations occur in August and September, so the FY23 number is anticipated to change significantly.

**Table 3—Department of Defense**

	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IIJA Allocation	IIJA Obligations	IIJA Outlays	Operating Level	Obligations Through End of Q2	Outlays Through End of Q2	IIJA Allocation	IIJA Obligations Through End of Q2	IIJA Outlays Through End of Q2	President's Budget	IIJA Allocation
(Budget authority in thousands)																	
Services	57,547	46,832	69,904	62,676	62,544	65,531	0	0	0	21,847	86,476	37,880	0	0	0	26,022	0
<b>Total, DOD</b>	<b>57,547</b>	<b>46,832</b>	<b>69,904</b>	<b>62,676</b>	<b>62,544</b>	<b>65,531</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,847</b>	<b>86,476</b>	<b>37,880</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26,022</b>	<b>0</b>

<sup>1</sup>DoD (Services) does not have a direct line item for Chesapeake Bay funding for restoration/protection. Reported budget amounts are based on compliance with environmental protection requirements in the Chesapeake Bay watershed and are part of the larger DoD Operations and Maintenance budget. Reported amounts are based on annual data collected from each DoD Component. Example environmental protection projects include stormwater pollution prevention, stormwater project design and management, water quality monitoring, wastewater treatment plant upgrades, integrated natural resources planning and management, environmental outreach and stewardship activities, and land conservation.

<sup>2</sup>DoD (Services) FY2023 Obligation is an average based on FY2018 - FY2022 obligations.

<sup>3</sup>DoD (Services) FY2021 - FY2023 Outlays are based on current DoD O&M Defense Wide Outlay Rates over a typical 5-year outlay period.

<sup>4</sup>DoD (Services) funding amount for the FY2024 President's Budget is based on projections for that fiscal year for the reasons identified in Footnote 1.



**Table 4—Department of Commerce<sup>1</sup>**

	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IIJA Allocation	IIJA Obligations	IIJA Outlays	Operating Level	Obligations Through End of Q2	Outlays Through End of Q2	IIJA Allocation	IIJA Obligations Through End of Q2	IIJA Outlays Through End of Q2	President's Budget	IIJA Allocation
<b>(Budget authority in thousands)</b>																	
<b>National Oceanic and Atmospheric Administration</b>																	
Coastal Science, Assessment, Response and Restoration	2,419	2,395	2,395	2,247	2,247	2,247	2,750	2,750	1,889	1,889	614	614	632	632	632	2,200	TBD
Competitive Research	1,481	1,481	1,481	1,483	1,483	1,483	0	0	0	2,804	1,499	1,499	0	0	0	1,450	0
Coastal Zone Management Grants	2,106	2,106	2,106	1,941	1,941	1,941	3,000	3,000	3,000	1,898	0	0	TBD	0	0	1,844	TBD
Title IX Fund	893	893	893	979	979	979	10,710	10,710	10,710	TBD	0	0	TBD	0	0	0	TBD
National Estuarine Research Reserve System	769	769	769	921	921	921	992	992	992	2,112	0	0	TBD	0	0	855	TBD
Habitat Conservation and Restoration	6,639	6,071	3,526	6,865	6,145	6,217	0	0	0	7,614	1,257	2,464	1,638	0	0	5,755	TBD
National Sea Grant College Program	6,368	6,368	5,076	4,920	4,920	4,493	0	0	0	7,110	5,143	4,258	0	0	0	7,110	TBD
Office of Education: Bay Watershed Education and Training (BWET)	2,794	2,694	1,685	2,800	2,785	2,851	0	0	0	2,772	0	1,486	0	0	0	2,772	0
<b>Total, Commerce</b>	<b>23,469</b>	<b>22,777</b>	<b>17,931</b>	<b>22,156</b>	<b>21,421</b>	<b>21,132</b>	<b>17,452</b>	<b>17,452</b>	<b>17,452</b>	<b>26,199</b>	<b>8,513</b>	<b>10,321</b>	<b>2,270</b>	<b>632</b>	<b>632</b>	<b>22,026</b>	<b>0</b>

<sup>1</sup> Amounts are TBD due to competitive programs, project selection has not occurred.

**Table 5—Department of Homeland Security**

	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IIJA Allocation	IIJA Obligations	IIJA Outlays	Operating Level	Obligations Through End of Q2	Outlays Through End of Q2	IIJA Allocation	IIJA Obligations Through End of Q2	IIJA Outlays Through End of Q2	President's Budget <sup>1</sup>	IIJA Allocation
<b>(Budget authority in thousands)</b>																	
<b>Department of Homeland Security</b>																	
TRACEN Yorktown & Base Portsmouth - Sanitary Sewer System I&I Survey/Study	0	0	0	0	0	0	0	0	0	3,011	2,857	0	0	0	0	0	0
TRACEN Yorktown - Parking Lot Upgrades with Stormwater BMPs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0
Base Portsmouth - Special Requirements Total Maximum Daily Load (TMDL) Stormwater Program	1,300	1,300	445	2,110	2,110	528	0	0	0	1,105	540	528	0	0	0	0	0
Coast Guard Yard - TMDL Stormwater Program	755	755	378	0	0	566	0	0	0	2,000	1,484	566	0	0	0	0	0
Coast Guard Yard - ShipLift Treatment System	0	0	1,500	0	0	1,700	0	0	0	0	0	0	0	0	0	0	0
<b>Total, DHS</b>	<b>2,055</b>	<b>2,055</b>	<b>2,323</b>	<b>2,110</b>	<b>2,110</b>	<b>2,794</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,116</b>	<b>4,881</b>	<b>1,094</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400</b>	<b>0</b>

<sup>1</sup> Projects planned for execution in FY 2024

<sup>2</sup> Outlays are estimated based on best available data. We transitioned financial systems in FY22 and have having difficulty validating outlays in FY22 and not all programs have outlayed FY23 yet.

<sup>3</sup> Outlays are cumulative. For example, outlays in 2022 include outlays from 2021 in the total.

**Table 6—Department of the Interior**

	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IIJA Allocation	IIJA Obligations	IIJA Outlays	Operating Level	Obligations Through End of Q2	Outlays Through End of Q2	IIJA Allocation	IIJA Obligations Through End of Q2	IIJA Outlays Through End of Q2	President's Budget	IIJA Allocation
<b>National Park Service</b>																	
Operation of the National Park System-National Trails	1,480	1,311	1,448	1,570	1,182	1,300	0	0	0	1,662	855	659	0	0	0	1,787	0
Operation of the National Park System-Field Offices and Associated Areas	498	489	480	509	676	947	0	0	0	524	363	381	0	0	0	1,048	0
Operation of the National Park System-Projects	100	185	50	523	341	98	0	0	0	413	46	201	0	0	0	146	0
National Recreation & Preservation-Chesapeake Gateways & Water Trails	3,000	2,782	541	3,009	2,034	1,624	0	0	0	3,027	865	2,454	0	0	0	3,052	0
Construction - Management Planning	862	416	298	491	410	207	0	0	0	260	26	73	0	0	0	0	0
Land Acquisition & State Assistance-Stateside Grants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Fish and Wildlife Service</b>																	
Resource Management																	
<i>Ecological Services</i>	3,180	3,180	3,180	3,180	2,415	1,697	0	0	0	3,180	1,431	795	0	0	0	3,180	0
<i>National Wildlife Refuge System</i>	4,968	4,968	4,968	4,968	3,774	3,651	0	0	0	4,968	2,236	1,242	0	0	0	4,968	0
<i>Habitat Conservation</i>	3,554	3,554	3,554	3,554	2,699	1,896	0	0	0	3,554	1,599	889	0	0	0	3,554	0
<i>Fish and Aquatic Resource Conservation</i>	1,737	1,737	1,737	1,737	1,713	1,500	1,150	1,134	993	1,737	782	434	1,200	540	300	1,737	TBD

<i>Science Support: Adaptive Science</i>	0	0	0	4,000	3,038	2,135	0	0	0	8,000	3,600	1,999	0	0	0	0	0
Natural Resource Damage Assessment and Restoration	739	739	739	739	738	620	0	0	0	739	0	0	0	0	0	739	0
Wildland Fire	646	646	646	646	484	344	0	0	0	646	0	0	0	0	0	646	0
Reimbursable Services	480	480	480	480	320	188	0	0	0	480	0	0	0	0	0	480	0
<b>U.S. Geological Survey</b>																	
Ecosystems	8,628	8,110	7,161	8,928	8,910	8,273	0	0	0	10,928	3,606	4,848	0	0	0	8,628	0
Land Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy and Minerals, and Environmental Health	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Hazards	425	400	353	550	543	499	0	0	0	650	215	289	0	0	0	1,200	0
Water Resources	5,017	4,716	4,164	5,107	5,102	4,741	0	0	0	5,107	1,685	2,298	0	0	0	3,609	0
Core Science Systems	740	696	614	900	890	821	0	0	0	900	297	405	0	0	0	900	0
<b>Total, DOI</b>	<b>36,054</b>	<b>34,409</b>	<b>30,413</b>	<b>40,891</b>	<b>35,269</b>	<b>30,541</b>	<b>1,150</b>	<b>1,134</b>	<b>993</b>	<b>46,775</b>	<b>17,606</b>	<b>16,967</b>	<b>1,200</b>	<b>540</b>	<b>300</b>	<b>35,674</b>	<b>0</b>

*FWS Footnotes:*

Adaptive Science funding is the Chesapeake Wild line item, which was a Congressional add in FY 2022

*USGS Footnotes:*

Funding Source: USGS Operating Level includes only appropriated funding from Surveys, Investigations, and Research by budget activity (Mission Area).

Projects: All USGS funding falls under the scientific research or monitoring category.

Explanation of Obligation Rate Used (FY 2020 and FY 2021): Historical data shows that USGS obligates 94% in the first year of multi-year funding authority and that carryover is typically 6%. Based on this trend, USGS will show the obligation rate as 94% and 6%. The obligations "cascade" from year to year.

Explanation of Obligation Rate Used (FY 2022): An actual spend rate through Q2 of 33% and was applied to 2022. In addition, 6% is applied to the 2nd year of 2019/2020 funds.

Explanation of Outlay Rate Used: Historical data shows that USGS outlays at the following cascading rate, 83%, 10% and 7%. In 2022, outlays are projected through Q2 only (50%).

*Explanatory Notes of Funding Changes:*

MAAs with multiple subactivity sources have detailed data in cell formula and comments.

Land Resources and the Environmental Health portion of Energy & Minerals were merged into Ecosystems the FY 2021.

**Table 7—Department of Transportation**

	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IJA Allocation	IJA Obligations	IJA Outlays	Operating Level	Obligations Through End of Q2	Outlays Through End of Q2	IJA Allocation	IJA Obligations Through End of Q2	IJA Outlays Through End of Q2	President's Budget	IJA Allocation
(Budget authority in thousands) Department of Transportation FHWA Apportioned STBG-eligible Funding Obligated in support of MD's Watershed Implementation Plan	0	24,590	27,973	0	4,330	5,729	0	3,134	2,900	0	-211	1,098	0	-6	183	0	0
<b>Total, DOT</b>	<b>0</b>	<b>24,590</b>	<b>27,973</b>	<b>0</b>	<b>4,330</b>	<b>5,729</b>	<b>0</b>	<b>3,134</b>	<b>2,900</b>	<b>0</b>	<b>-211</b>	<b>1,098</b>	<b>0</b>	<b>-6</b>	<b>183</b>	<b>0</b>	<b>0</b>

Note: Since each State determines how STBG-eligible apportioned funding will be utilized, neither specific operating levels nor specific President's Budget projects are identified for Chesapeake Bay Restoration activities.

**Table 8—Environmental Protection Agency**

(Budget Authority in Thousands) <sup>5</sup>	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IJA Allocation	IJA Obligations	IJA Outlays	Operating Level	Obligations Through End of Q2	Outlays Through End of Q2	IJA Allocation	IJA Obligations Through End of Q2	IJA Outlays Through End of Q2	President's Budget	IJA Allocation
<b>Environmental Protection Agency</b>																	
Program Operations & Support	6,958	6,689	7,803	7,439	5,312	6,562	1,258	0	0	7,550	7,581	4,345	1,541	42	40	7,567	1,541
Partnership & Data Management Support	10,135	10,250	11,455	10,595	12,485	12,213	2,592	0	0	13,470	7,937	9,982	1,943	1,050	0	13,470	1,943
WQ Monitoring Grants	5,000	4,393	4,892	5,000	4,935	5,043	1,750	1,472	0	5,236	0	3,560	2,223	564	1,032	5,236	2,223
TMDL Implementation & Analysis	1,777	1,526	1,890	1,770	1,676	1,570	500	0	0	1,586	1,383	1,689	0	0	0	1,586	0
Reporting & Accountability	1,920	648	983	2,007	854	1,112	500	0	0	1,400	979	760	200	0	0	1,400	200
Permit Review and Rule Development, Guidance & Implementation	3,844	2,158	3,480	3,861	3,357	6,344	0	1,076	229	3,900	2,623	2,857	500	634	620	3,900	500
Enforcement	1,794	2,204	2,305	798	1,559	1,636	0	0	0	1,836	469	487	0	0	0	1,913	0
Small Watershed Grant Program	9,625	9,625	3,676	10,000	10,816	6,909	15,000	15,000	0	10,000	0	4,873	13,000	0	350	10,000	13,000
Innovative Nutrient Sediment Reduction Grants	9,625	9,625	6,129	10,000	9,625	6,507	10,000	10,000	0	10,000	0	4,727	8,000	0	24	10,000	8,000
State Implementation Grants	36,822	30,758	31,082	36,530	38,437	36,117	15,000	13,710	0	37,022	7,616	25,137	20,193	1,369	2,779	37,022	20,193
Non-Point Source Grants: Improve Water Quality of Watershed (Section 319)	8,908	8,908	6,890	8,905	8,905	7,626	0	0	0	8,899	0	6,321	0	0	0	8,121	0
Pollution Control Grants (Section 106) <sup>3,4</sup>	11,500	11,500	10,476	11,638	11,638	12,006	0	0	0	11,743	9,365	7,418	0	0	0	10,241	0
Pollution Control Grants Monitoring (Section 106)	917	917	547	855	855	1,037	0	0	0	875	203	674	0	0	0	0	0
STAG Infrastructure Assistance Grants: Clean Water SRF	121,786	121,786	148,798	88,708	88,708	102,203	142,276	142,276	22	57,510	0	51,634	173,053	0	61,511	96,327	173,053

Sewer Overflow and Stormwater Reuse Municipal Grants (OSG) program assistance <sup>1,2,6,7</sup>	3,537	3,537	551	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total, EPA <sup>8</sup></b>	<b>234,148</b>	<b>224,524</b>	<b>240,958</b>	<b>198,106</b>	<b>199,162</b>	<b>206,886</b>	<b>188,876</b>	<b>183,534</b>	<b>251</b>	<b>171,027</b>	<b>38,157</b>	<b>124,465</b>	<b>220,653</b>	<b>3,659</b>	<b>66,356</b>	<b>206,783</b>	<b>220,653</b>

<sup>1</sup> Fiscal year outlays can be greater than the OPP and OBLIG as expenditures occur from carryover funds and prior obligations.

<sup>2</sup> These funding programs are statewide. In order to determine the Chesapeake Bay funding levels, the statewide program funding was multiplied by percentage of the land area within the Chesapeake Bay watershed. FY2021, FY2022 and FY2023 funding were calculated using a pro rata for the percent of the state within the Chesapeake Bay watershed to determine program funding levels, then the state level estimates were aggregated for a watershed total. The FY2024 President's Budget estimate was calculated by multiplying the regional funding by the percentage of land area within the Chesapeake Bay watershed at a regional level for Region 3 (48.67%) since state-by-state allocations are unavailable.

<sup>3</sup> The Section 106 Pollution Control Grants include Susquehanna River Basin Commission (SRBC) and Interstate Commission for the Potomac River Basin (ICPRB) because these commissions operate entirely in the Chesapeake Bay Watershed. For the FY2024 President Budget, Delaware River Basin Commission (DRBC) estimates could not be removed, since allocation proposals are made at the regional level. However, FY2022-FY2023 DRBC allocations were approximately \$628k. Similarly NY allocations were estimated for the FY2024 President Budget, based upon, FY2022-FY2023 NY estimates of approximately \$1002K per year.

<sup>4</sup> Operating plans are not provided for Section106 monitoring funds.

<sup>5</sup> 2021, 2022, and 2023 Obligations and Outlays as of 6-20-2023.

<sup>6</sup> CWSRF funds show a significant decrease in FY22 compared to prior years. The national appropriation for the Community Project Funding (CPF) was subtracted from the SRF appropriations before the state allotments were calculated.

<sup>7</sup> As part of America's Water Infrastructure Act of 2018, Congress amended section 221 of the Clean Water Act thereby creating this new water infrastructure grant program. HQ reprogrammed funds to R3 starting in FY21. These funds are awarded to specific communities and only those funds awarded in the Bay watershed are included in this spreadsheet. FY22 statewide allocations for OSG are available, but the FY23 allocations have not yet been announced or provided to the regions. States will apply for both FY22 and FY23 funds together. OSG funds for FY22 and FY23 will be provided in FY24 once the communities have been selected to determine what funds are used in the Bay watershed. Numbers provided do not include NY information.

<sup>8</sup> Numbers for FY24 are an estimate based on FY23 allocations

<sup>9</sup> Office of General Counsel Updated IJA allocations to include total OGC HQ and Regional Allocation, which were erroneously not included in the previous FY.

<sup>10</sup> Data reflects estimates as of July 28,2023

**Table 9—Army Corps of Engineers**

	FY 2021			FY 2022						FY 2023						FY 2024	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	IIJA Allocation	IIJA Obligations	IIJA Outlays	Operating Level	Obligations Through End of Q2	Outlays Through End of Q2	IIJA Allocation	IIJA Obligations Through End of Q2	IIJA Outlays Through End of Q2	President's Budget	IIJA Allocation
<b>(Budget authority in thousands)</b>																	
<b>Army Corps of Engineers Investigations (Studies/Design)</b>																	
Anacostia Watershed Restoration, Prince George's County, MD	0	8	8	0	1,656	296	0	0	0	0	103	389	0	0	0	0	0
Chesapeake Bay Comprehensive Plan, MD, PA & VA	0	1	11	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Eastern Shore, Mid Chesapeake Bay Island, MD	382	2,034	1,762	0	1,776	1,905	0	0	0	0	0	113	0	0	0	0	0
<b>Construction</b>																	
Anacostia Watershed Restoration, Montgomery County (Continuing Authorities Program, Section 206)	200	57	57	150	134	134	0	0	0	0	116	116	0	0	0	0	0
Anacostia Watershed Restoration, Prince George's County	0	0	0	30,000	0	0	0	0	0	0	105	105	0	0	0	0	0
Chesapeake Bay Env Restoration and Protection, MD, VA & PA	50	257	257	6,750	150	150	0	0	0	12,500	247	247	0	0	0	0	0
Chesapeake Bay Oyster Recovery, MD & VA	6,374	3,965	3,989	5,249	5,581	901	0	0	0	7,500	286	479	0	0	0	6,450	0
Eastern Shore, Mid Chesapeake Bay Island, MD	0	0	0	0	0	0	84,000	31,394	163	0	0	0	0	1,374	1,218	0	0
Lynnhaven River Basin, VA	0	197	197	0	762	890	0	0	0	0	449	330	0	0	0	0	0



Paint Branch Fish Passage, MD (Continuing Authorities Program, Section 206)	0	66	81	0	0	0	0	0	0	0	5	5	0	0	0	0	0
Poplar Island, MD	14,500	14,943	15,977	4,200	10,588	13,092	0	0	0	21,345	2,870	2,512	0	0	0	6,000	0
<b>Other</b>																	
Environmental Stewardship - multiple projects	2,187	1,988	1,853	4,071	1,871	1,927	0	0	0	2,661	970	774	0	0	0	2,306	0
Coordination with Other Water Resources Agencies (Chesapeake Bay Program)	55	294	294	123	81	82	0	0	0	50	91	91	0	0	0	0	0
<b>Total, USACE</b>	<b>23,748</b>	<b>23,810</b>	<b>24,486</b>	<b>50,543</b>	<b>22,599</b>	<b>19,378</b>	<b>84,000</b>	<b>31,394</b>	<b>163</b>	<b>44,056</b>	<b>5,242</b>	<b>5,161</b>	<b>0</b>	<b>1,374</b>	<b>1,218</b>	<b>14,756</b>	<b>0</b>

<sup>1</sup> Mid-Bay: Total IJA FY22 allocation = \$84 million, requested and received \$46.493 million in FY22; will likely request remaining \$37.507 million in FY24.

**Table 10—Army Corps of Engineers—Project Detail**

(Budget Authority in thousands)	FY 2024 Budget	Description	Status	Authorized Funding Level <sup>1</sup>
<b>Army Corps of Engineers</b>				
Chesapeake Bay Oyster Recovery, MD & VA	6,450	Restore Oyster habitat in the Chesapeake Bay MD and VA	This project is in Construction Phase	100,000
Poplar Island, MD	6,000	The project was authorized in Section 537 of P.L. 104-303 (WRDA 1996), as amended by: Section 318 of P.L. 106-541 (WRDA 2000); Section 3087 of P.L. 110-114 (WRDA 2007) and Sections 7003 and 1030 (d) (2) of P.L. 113-121 (WRRDA 2014). Reconstruct Poplar Island to its approximate size in 1847 of 1,140 acres using dredged material from the approach channels of the Baltimore Harbor and Channels Navigation project. The project will create tidal marsh wetlands and upland habitat critically needed in the Chesapeake Bay.	This project is in Construction phase	1,723,543
Environmental Stewardship - multiple projects.	2,306	The USACE is the steward of the lands and waters at Corps water resources projects and has a mission for Environmental Stewardship. The financial data shown in this table is a roll-up of data for the Environmental Stewardship business line within the Operation and Maintenance account, and represents multiple projects (all projects within the Baltimore District) that are budgeted and receive budget authority at the project level within the Chesapeake Bay watershed.	This project is in the Operation and Maintenance Phase	N/A

<sup>1</sup> The authorized funding level amount for the Chesapeake Bay Oyster Recovery, MD & VA shown in this table is the program cost limit for the Chesapeake Bay Oyster Recovery, MD & VA. Funding level for Poplar Island is the current maximum project cost limit (Section 902). Environmental Stewardship investments do not have authority cost limits.

## State Data

**Table 11—Delaware, State Programs**

(Budget authority in thousands)	FY 2021	FY 2022	FY 2023	FY 2024
<b>Department of Natural Resources and Environmental Control</b>				
Conservation Cost Share	750	750	750	765
Resource Conservation and Development Funds	75	150	100	150
<b>Department of Agriculture</b>				
Cover Crop	1,450	3,210	5,210	5,190
<b>Total, Delaware, State Programs</b>	<b>2,275</b>	<b>4,110</b>	<b>6,060</b>	<b>6,105</b>

**Table 12—Delaware, Federal Funds Received**

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2021	FY 2022	FY 2022 IIIA Allocation	FY 2023	FY 2023 IIIA Allocation
<b>Department of Environmental Quality</b>							
Chesapeake Bay Regulatory and Accountability Grant (CBRAP)	EPA	EPA Section 117, CWA	775	762	-	776	-
Chesapeake Bay Implementation Grant (CBIG)	EPA	EPA Section 117, CWA	2,106	2,106	-	2,029	-
Delaware Infrastructure Support for Effective Basins	EPA	EPA Section 117, CWA	-	-	750	-	1,199
<b>Total, Delaware, Federal Funds Received</b>			<b>2,880</b>	<b>2,867</b>	<b>750</b>	<b>2,805</b>	<b>1,199</b>

**Table 13—District of Columbia, State Programs**

(Budget authority in thousands)	FY 2021	FY 2022	FY 2023 (WPD)	FY 2024 (WPD)
<b>Department of Energy and Environment (DOEE)</b>				
SRF Clean Water Construction (EVCA, EVSD, SRF)	3,455	3,032	-	-
Nonpoint Source Program (EVNI)	437	1,012	536	945
Chesapeake Bay Program ( EVCB, EVRA, EVEB)	4,189	1,710	4,118	3,988
Water Pollution Control Program (EVWP, EVWQ)	504	574	481	490
Floodplain Management Program (EVFC, EVFE, CAPSSE, CTPFEM, CTPX, CAPX)	32	33	41	48
Fisheries Management and Aquatic Education (EVFS, MB, WS, AE, FM,SP, AR, TS, WT, CV, AD, AC)	903	506	581	554
Spotted Turtle 0 USDA - SPOT	1	-	-	-
Wetland Grants - WL	26	65	-	-
Boating Dock - BOATKI	40	35	50	30
Fishing License Program (603) not grant match	35	68	33	77
MS4 Program Operating (654) not grant match	9,093	12,767	14,775	14,410
Stormwater and Soil Erosion/Sediment Control (634, 646) not grant match	2,973	4,044	4,054	4,622
Anacostia Fund Operating (0670) not grant match	1,359	2,098	1,438	1,829
MS4 Program - Capital (SWM05C) not grant match	262	1,294	6,557	1,400
Anacostia Fund - Capital (BAG04C) not grant match	482	350	750	150
Anacostia Sediment Study (HMRHMC)	6,918	4,085	500	10,000
Fort Dupont Restoration NFWF - (EVFD)	-314	-	-	-
FRESHWATER MUSSEL RESTORATION - MR	51	118	-	-
Soil Remediation NFWF	-	-	67	58
Source Reduction (EVSR, EVPO)	96	42	75	-
Green Infrastructure Maintenance (ARPA Funding)	13	543	8,331	8,731
<b>District Department of Transportation (DDOT)</b>				
Infrastructure Project Management Division	1,532	7,927	12,120	12,339
Urban Forestry Division	4,498	7,396	14,176	12,788
<b>DC Water</b>				
Blue Plains Operations and Maintenance excluding facilities, engineering, administration	94,967	109,995	133,862	139,117
<b>Total, District of Columbia, State Programs</b>	<b>131,552</b>	<b>157,694</b>	<b>202,545</b>	<b>211,576</b>

Note 1: DOEE's fiscal year is October to September. The expenditures for FY23 are what is budgeted for FY23.

Note 2: FY23 operating funds taken from Mayor's budget. FY23 estimated capital funds based on budgets for planned projects.

Note 3: FY24 data for projects were taken from Mayor Bowser's proposed FY 2024 budget

Note 4: District dollars for stream restoration and demonstration projects are captured under MS4, Nonpoint Source, SRF and Chesapeake Bay program as match to grant funds.

Note 5: Unless specified as "not match," District funds are used as match to federal grant program.

Note 6: District dollars include personnel.

Note 7: Expenditure data may reflect 'negative' expenditures due to payments or other transfers into a project

Note 8: DC Water data provided by DC Water as of July 26 2022 (FY22 data is not complete since the fiscal year ends September 30, 2022)

Note 9: DDOT dollars provided by DDOT as of July 21, 2023 (FY23 data is not complete since the fiscal year ends September 30, 2023, so used amount budgeted for FY23)

Note 10: For DDOT, expenditure data for DDOT projects were taken from an FY 2021 CFO\$olve capital project status report run on July 20, 2023.

Note 11: For DDOT, expenditure data for DDOT projects were taken from an FY 2022 CFO\$olve capital project status report run on July 20, 2023.

Note 12: For DDOT, expenditure data may reflect 'negative' expenditures due to payments or other transfers into a project

Note 13: For DDOT, projects captured are (a) those that fully support stormwater management infrastructure and (b) those that include stormwater management infrastructure. Based on a discussion with DDOT's Infrastructure Project Management Division, DDOT applied a proxy rate of 5% to all major roadway and bridge projects to estimate the share of each project's budget dedicated for stormwater management infrastructure.

Note 14: For DDOT, FY 2023 amounts based on DDOT's plan to implement the FY 2023 approved capital budget and application of the assumptions described in the note above.

Note 15: For DDOT, IJA is the name for the current multi-year federal transportation law and does not, in itself, represent a new/separate source of funding

**Table 14—District of Columbia, Federal Funds Received**

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2021	FY 2022	FY 2022 IJA Allocation	FY 2023	FY 2023 IJA Allocation
<b>Department of Energy and Environment (DOEE)</b>							
SRF Clean Water Construction	EPA	Clean Water State Revolving Fund	7,341	9,573	0	3,683	11,916
NPS Program (EVNI - 350, 8201)	EPA	Section 319 Program	1,188	1,228	0	1,062	0
Chesapeake Bay Program (EVCB, EVRA, MEB)	EPA	Section 117 Program	2,734	4,344	500	2,527	848
Source Reduction (EVSr, EVPO)	EPA			56		75	0
Environmental Information Exchange Network Grant Program and Related Assistance (EVEX)	EPA	Consolidated Appropriations Act of 2019 (PL116-6)	77	64	0	200	0
Water Pollution Control Program (EVWP, EVWQ)	EPA	Section 106 and 604(b) Programs	1,552	1,417	0	1,472	0

Floodplain Management Program (EVFC, EVFE, CAP, CTP, FEM)	FEMA	Cooperative Technical Partners and Community Assistance programs	117	118	0	203	0
Stream Restoration and Demonstration (EVLI, EVSW, EVDP, EVMR, EVOR, EVSO)	EPA	NFWF	0	0	0	100	0
Fisheries Management and Aquatic Education	DOI	Wildlife and Sport Fish Restoration Prog	614	547	0	1,093	0
Boating Access (17EVAC, BOATAC, BOATKI)	DOI	Wildlife and Sport Fish Restoration Program (US Fish and Wildlife Service)	323	29	0	150	0
Sanitary Sewer Corrections and Education (EVSS)	EPA	NFWF	-	-	0	180	0
<b>District Department of Transportation (DDOT)</b>							
Infrastructure Project Management Division	FHWA	State Transportation Fund	4,771	9,965	0	13,523	13,523
<b>DC Water</b>							0
Clean Water Act	EPA	CFDA 66.418 Construction Grants for WWT Works	2,609	3,000	0	3,683	2,446
Safe Drinking Water Act	EPA	CFDA 66.468 Safe Drinking Water State Revolving Funds	10,558	6,198	17,992	4,938	21,055
<b>Total, District of Columbia, Federal Funds Received</b>			<b>31,884</b>	<b>36,539</b>	<b>18,492</b>	<b>32,889</b>	<b>49,788</b>

Note 1: DOEE's fiscal year is October to September. The expenditures for FY23 are what is budgeted for FY23.

Note 2: FY23 operating funds taken from Mayor's budget. FY23 estimated capital funds based on budgets for planned projects.

Note 3: FY24 data for projects were taken from Mayor Bowser's proposed FY 2024 budget

Note 4: District dollars for stream restoration and demonstration projects are captured under MS4, Nonpoint Source, SRF and Chesapeake Bay program as match to grant funds.

Note 5: Unless specified as "not match," District funds are used as match to federal grant program.

Note 6: District dollars include personnel.

Note 7: Expenditure data may reflect 'negative' expenditures due to payments or other transfers into a project

Note 8: DC Water data provided by DC Water as of July 26 2022 (FY22 data is not complete since the fiscal year ends September 30, 2022)

Note 9: DDOT dollars provided by DDOT as of July 21, 2023 (FY23 data is not complete since the fiscal year ends September 30, 2023, so used amount budgeted for FY23)

Note 10: For DDOT, expenditure data for DDOT projects were taken from an FY 2021 CFO\$olve capital project status report run on July 20, 2023.

Note 11: For DDOT, expenditure data for DDOT projects were taken from an FY 2022 CFO\$olve capital project status report run on July 20, 2023.

Note 12: For DDOT, expenditure data may reflect 'negative' expenditures due to payments or other transfers into a project

Note 13: For DDOT, projects captured are (a) those that fully support stormwater management infrastructure and (b) those that include stormwater management infrastructure. Based on a discussion with DDOT's Infrastructure Project Management Division, DDOT applied a proxy rate of 5% to all major roadway and bridge projects to estimate the share of each project's budget dedicated for stormwater management infrastructure.

Note 14: For DDOT, FY 2023 amounts based on DDOT's plan to implement the FY 2023 approved capital budget and application of the assumptions described in the note above.

Note 15: For DDOT, IIJA is the name for the current multi-year federal transportation law and does not, in itself, represent a new/separate source of funding

**Table 15—Maryland, State Programs**

<b>(Budget authority in thousands)<sup>1</sup></b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Department of Agriculture</b>				
Agricultural Land Preservation (MALPF-Capital/PAYGO included)	44,413	47,788	85,094	97,613
Ag BMP Technical Assistance (General Funds)	3,364	3,140	4,081	4,763
Animal Waste Technology(Capital Bonds)	120	0	0	-
BMP Tech Assistance to Farmers (GF )	7,868	7,887	7,919	8,573
Cost Share for BMP Capital Projects	8,000	5,000	2,000	4,000
Cover Crop -SF	14,200	14,200	12,800	14,533
Manure to Energy Projects (SF MEA)	0	0	0	-
Manure Transport-Poultry (GF)	281	252	263	263
Poultry Litter Transportation (SF)	581	583	683	683
Urban Nutrient Mgmt (SF)	184	192	127	251
Tree Solutions Now Act(GF)				2,500
Small Farm & Urban Ag (GF)				500
Healthy Soils(SF/GF-FY24)			375	500
<b>Department of the Environment</b>				
Capital Programs				
WWTP upgrades - SRF (non-federal)	119,286	138,388	118,944	158,336
ENR Upgrades (BRF Funds)	75,000	75,000	78,056	66,213
Septic System Upgrades (statewide)	15,000	15,000	15,000	15,000
Operating Programs				
Wetlands	5,873	5,928	6,849	8,979
Compliance	5,845	6,369	8,256	9,190
Wastewater Permits	3,414	3,336	3,298	5,864
Integrated Water Planning Program	2,170	2,135	2,239	5,259
Sediment, Stormwater and Dam Safety	2,556	2,952	3,119	5,096
Engineering and Capital Projects Program	1,940	1,855	2,694	2,489
Water Quality Financing (operating)	2,623	2,538	2,695	3,117
ENR O&M Grants	8,000	11,000	11,000	11,000
Septic System Grant Administration (HB12- local govt funds)	1,500	1,500	1,500	1,500

Clean Water Commerce Act (HB417)	10,000	20,000	20,000	20,000
<b>Department of Natural Resources</b>				
Forest Service	13,363	9,490	12,940	15,409
Wildlife & Heritage Service	877	704	375	375
Critical Area Commission	2,145	2,097	2,506	2,539
Resource Assessment Service	7,310	7,832	10,338	13,216
Maryland Environmental Trust	493	636	826	1,090
Chesapeake & Coastal Service	48,714	50,411	48,161	69,945
Fisheries Service	4,964	6,729	15,450	14,562
Capital Funds (GO Bonds)				
Oyster Restoration	8,730	40	0	1,961
Coastal Resiliency	4,160	4,160	0	0
1 Program Open Space - Transfer Tax	-	31,143	118,962	130,178
<b>Department of Planning</b>				
Planning Services	4,955	4,646	4,970	5,321
<b>Department of Transportation<sup>2</sup></b>				
	87,904	34,877	44,973	50,042
<b>Total, Maryland, State Programs</b>	<b>515,833</b>	<b>517,808</b>	<b>646,493</b>	<b>750,860</b>

This is the first year that Program Open Space funding (land preservation) has been included in Maryland's CBARA submission

For MDOT summary categories that are NOT included are Transit Alternatives and Education/Research from Appendix L (state of Maryland Budget)

**Table 16—Maryland, Federal Funds Received**

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2021	FY 2022	FY 2022 IJA Allocation	FY 2023	FY 2023 IJA Allocation
<b>Maryland Department of Agriculture</b>							
Watershed Implementation Program	Environmental Protection Agency	66.466 CBRAP	2,004	1,968			



*Resource Conservation Grants	Environmental Protection Agency	66.964 CB Program Implementation, Regulatory/Accounting & Monitoring Grants				2,022	
Special Projects Research	USDA, NRCS	10.192 Environmental Quality Incentives Program	125				
<b>Department of the Environment</b>							
Integrated Water Planning Program	USEPA	66.454 Water Quality Mgmt Planning	297	302		317	
Water Quality RLF - Capital Funds	USEPA	66.458 Capitalization Grants for Revolving Funds	38,435	38,429	45,679	43,046	41,062
Integrated Water Planning Program	USEPA	66.460 Nonpoint Source Implementation Grant	2,095	2,133		2,240	
Wetlands	USEPA	66.461 Wetlands Protection	194	197		207	
Water and Science Administration	USEPA	66.466 Chesapeake Bay Program	1,923	1,887		2,080	
Water and Science Administration	USEPA	66.605 Performance Partnership Grant	4,625	4,194		4,405	
Sediment, Stormwater and Dam Safety	DHS/ FEMA	97.041 National Dam Safety Program	198	202		212	
Wetlands	DHS/ FEMA	97.045 Cooperating Technical Partners	855	870		914	
<b>Department of Natural Resources</b>							
Forest Service	DOI	10.069 Conservation Reserve Program 10.664 Cooperative Forestry Assistance 10.675 Urban and Community Forestry Program 10.676 Forest Legacy Program 10.678 Forest Stewardship Program 10.680 Forest Health Forestry Contracts (excludes out-of-state fire expenses)	2,401	2,317		2,679	
Wildlife & Heritage Service	DOI	15.611 Wildlife Restoration 15.615 Cooperative Endangered Species Conservation Fund 15.657 Endangered Species Conservation-Recovery Fund 15.633 Landowner Incentive Program	958	427		622	
Resource Assessment Service	DOI	15.944 Dept. of the Interior Surveys. 15.808 Geological Survey 15.810 USGS Statemap 15.814 National Geological and Geophysical Data	274	17		0	
Monitoring	EPA	66.466 EPA-Chesapeake Bay Program - Monitoring	1,687	1,787		1,749	
Chesapeake & Coastal Service	EPA	66.466 EPA-Chesapeake Bay Program - CBIG	4,065	3,698		3,517	3,212
Chesapeake & Coastal Service	EPA	MEB/IJJA			3,212		2,067

Chesapeake & Coastal Service	EPA	Supplemental/IIJA				1,075
Chesapeake & Coastal Service	NOAA CZM	11.419 - NOAA CZM	0	0	0	
Chesapeake & Coastal Service	USFWS	15.614 USFWS 15.605 Sport Fish Restoration 15.608 Aquatic Invasive Species Management 15.634 State Wildlife Grants		151	781	
Fisheries Service	USF&WS	11.407 Interjurisdictional Fisheries Act 11.472 Unallied Science Program 11.474 Atlantic Coastal Fisheries Cooperative Management Act 11.463 Habitat Conservation 11.439 Prescott Stranding Response	2,302	3,850	4,884	
<b>Department of Planning</b>						
Planning			62	72	73	
<b>Total, Maryland, Federal Funds Received</b>			<b>62,133</b>	<b>62,320</b>	<b>48,891</b>	<b>69,929</b>
						<b>44,204</b>

**Table 17—New York, State Programs**

(Budget authority in thousands)	FY 2021	FY 2022	FY 2022	FY 2024
<b>Department of Environmental Conservation (NYSDEC)</b>				
Water Quality Improvement Projects (WQIP) grant program <sup>1</sup>	21,205	10,000	5,645	5,645
Engineering Planning Grant (EPG) program <sup>2</sup>	50	354	229	229
Nonpoint Source Planning Grant (NPG) program <sup>3</sup>	60	298	139	139
<b>Department of Agriculture and Markets (NYSDAM)</b>				
Agricultural Nonpoint Source Abatement & Control Grant Program (AgNPS) <sup>4</sup>	3,400	2,409	3,452	3,452
Climate Resilient Farming (CRF) <sup>5</sup>	594	1,023	382	382
Agricultural Environmental Management (AEM) Base Funding <sup>6</sup>	2,800	1,292	1,292	1,292
<b>Environmental Facilities Corporation (EFC)</b>				
Green Infrastructure Grant Program (GIGP) <sup>6</sup>	480	0	1,090	1,090
<b>Total, New York, State Programs</b>	<b>28,590</b>	<b>15,376</b>	<b>12,229</b>	<b>12,229</b>

- 1 WQIP is a state grant program for projects that address water quality problems. FY21 and FY22 is awarded amount. FY23 and FY24 is an estimate based on average awards made in prior WQIP rounds.
- 2 EPG is a state grant program for municipalities for planning for wastewater infrastructure improvements. FY21 and FY22 are awarded amounts. FY23 and FY24 is an estimate based on average awards made in prior EPG rounds.
- 3 NPG is a state grant program for municipalities for planning for nonpoint source projects. The second round was awarded in FY21 and a third round was awarded in FY22. FY23 and FY24 is an estimate based on average awards made in these prior NPG rounds.
- 4 AgNPS is a state grant program that provides funding for BMP planning and implementation on farms to reduce nonpoint source pollution. FY21 and FY22 AgNPS are awarded amounts. FY23 and FY24 is an estimate based on average awards made in prior AgNPS rounds.
- 5 CRF is a state grant program that helps farms reduce their operational impact on the environment and address the impacts of extreme weather events resulting from climate change. FY21 and F22 CRF are awarded amounts. FY23 and FY24 is an estimate based on average awards made in prior CRF rounds.
- 6 AEM Base is a state funding program for county soil and water conservation districts to provide technical assistance for conservation planning and implementation to farms. AEM Base amounts are county-wide for those counties with area in the CBay watershed and are not watershed-only. FY21 AEM amounts reported by NYSDAM in 2020-2021 Programmatic Milestones. FY22-FY24 values are estimates based on funds earned in prior AEM Base program years.
- 7 GIGP is a grant program for stormwater BMPs that provide stormwater treatment, habitat, flood attenuation and other benefits. FY21 and FY22 are awarded amounts. FY23 and FY24 is an estimate based on average awards made in prior GIGP rounds.

**Table 18—New York, Federal Funds Received**

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2021	FY 2022	FY 2022 IIJA Allocation	FY 2023	FY 2023 IIJA Allocation
<b>Department of Environmental Conservation, Division of Water</b>							
Chesapeake Bay Watershed Program	EPA	Chesapeake Bay Regulatory and Accountability Program Grant	920	876		876	
Chesapeake Bay Watershed Program	EPA	Chesapeake Bay Implementation Grant	1,234	1,236		1,250	
Chesapeake Bay Watershed Program	EPA	Local Government Funding (via CBIG)	450	450		450	
Chesapeake Bay Watershed Program	EPA	WIP Assistance	0	0		0	
Chesapeake Bay Watershed Program	EPA	EPA Region 2 Funding	179	179		179	
Chesapeake Bay Watershed Program	EPA	Most Effective Basins Funding	205	205	1,290	226	424
Chesapeake Bay Watershed Program	EPA	Supplemental Implementation Support					800
<b>Total, New York, Federal Funds Received</b>			<b>2,987</b>	<b>2,945</b>	<b>1,290</b>	<b>2,981</b>	<b>1,224</b>

**Table 19—Pennsylvania, State Programs**

<b>(Budget Authority in thousands)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Department of Environmental Protection</b>				
Growing Greener/ Environmental Stewardship Fund (ESF) <sup>1</sup>	18,781	29,046	13,920	15,000
Water Pollution Control (Section 106; Section 106 Supplemental; Section 604(b)) <sup>2</sup>	20,598	20,733	15,326	15,000
Agriculture Plan Reimbursement Program	840	0	0	0
Chesapeake Bay Implementation- Program Management and Administration <sup>3</sup>	101	22	167	50
Chesapeake Bay Regulatory and Accountability- Chesapeake Bay Agricultural Nonpoint Source Abatement <sup>4</sup>	3,886	3,143	1,448	3,000
Non-Tidal Monitoring Network <sup>2</sup>	983	999	533	900
Chapter 102 - Construction Stormwater (E&S, PCSM, NPDES) Program Implementation and Administration <sup>2, 5, 6</sup>	3,972	2,062	4,505	4,505
Chapter 105 - WOE and Dam Safety Program Implementation and Administration <sup>2, 7</sup>	43,301	45,343	47,491	48,000
Chesapeake Bay Commission	300	325	325	325
<b>State Conservation Commission</b>				
Conservation District Fund Allocation Program	2,265	2,273	4,852	4,852
Dirt, Gravel and Low Volume Road Program	14,600	15,000	15,000	15,000
Nutrient Management Program	1,591	1,533	1,715	1,715
Resource Enhancement and Protection Program	8,520	12,440	11,000	10,500
Conservation Excellence Grant	2,000	2,000	2,000	2,000
Agri-Link	0	361	183	200
Nutrient Management Fund - COVID-ARPA			3,922	4,000
Agriculture Conservation Assistance Program - COVID-ARPA		12,278	17,500	35,000
<b>Department of Agriculture</b>				
Farmland Preservation	19,342	20,000	22,463	20,000
<b>Pennsylvania Infrastructure Investment Authority</b>				
Project Construction and Implementation	18,340	22,325	18,561	20,000
<b>Department of Community and Economic Development</b>				
Watershed Restoration and Protection Program (Act 13) <sup>8</sup>	1,036	3,407	0	0
H2O PA - COVID-ARPA <sup>2</sup>	0	0	0	105,056
PA Small Water and Sewer - COVID-ARPA <sup>2</sup>	0	0	0	51,744
<b>Department of Conservation and Natural Resources</b>				
Land Conservation	3,290	14,135	24,182	19,590

Riparian Buffers (PennVest Funding)	0	0	0	0
Riparian Buffers (DCNR) <sup>9, 10</sup>	600	1,664	3,791	1,300
Tree Canopy (TreeVitalize Program) <sup>11, 12, 13</sup>	113	208	1,843	700
Lawn Conservation (Conservation Landscaping and Urban Forest Planting)	150	90	533	700
<b>PA Fish and Boat Commission</b>				
Chesapeake Bay Implementation <sup>14, 15</sup>	636	718	751	925
State Wildlife Grants <sup>14, 15, 16</sup>	190	308	283	266
Anadromous Fish Restoration <sup>14, 15</sup>	30	23	128	150
<b>Total, Pennsylvania, State Programs</b>	<b>165,464</b>	<b>210,436</b>	<b>212,421</b>	<b>380,478</b>

Note 1: Amounts awarded are based on projects approved; an estimation can be performed based upon budgeted amounts. FY2023 and FY2024 are estimated.

Note 2: Expended / estimated funds calculated at 49% of the total statewide budget / expenditures because the Chesapeake Bay Watershed makes up approximately 49% of Pennsylvania. FY2023 expenditures are equivalent to 9 months.

Note 3: FY2023 expenditures equivalent to 9 months; match for Chesapeake Bay Implementation Grant (CBIG) comes from state Environmental Stewardship Fund

Note 4: FY2023 expenditures are equivalent to 9 months.

Note 5: Chapter 102 - construction stormwater (erosion and sediment control (E&S), post-construction stormwater management (PCSM), NPDES state expenditures do not equate to total cost to implement the program. Permit fees collected are not included in this report. These numbers are provided on a state fiscal year basis, based on the state required triennial cost and fee analysis. This also includes the Transfer to the Conservation District Fund Allocation Program (CDFAP).

Note 6: FY23 and FY24 are estimated based on potential program costs / expenditures.

Note 7: Chapter 105 - water obstruction and encroachments (WOE) and dam safety state expenditures do not equate to total cost to implement the program. Permit fees collected are not included in this report. These numbers are provided on a state fiscal year basis, based on the state required triennial cost and fee analysis.

Note 8: DCED Watershed Restoration and Protection Program is reported on a state fiscal year basis. FY23 applications are being accepted through July 31, with awards anticipated Spring 2024. Varying levels of funding is received from year to year and this program competes directly against other Act 13 funding programs, therefore an estimate of FY23 and FY24 cannot be provided.

Note 9: Includes \$3m of recent addition to the Keystone Tree Fund

Note 10: Includes state funding for staffing for FY22 and FY23

Note 11: Tree Canopy Funds for FY22 are low due to transition to a new grant system. Private and Federal investments are \$50,000 for FY22.

Note 12: Includes \$1m of recent addition to the Keystone Tree Fund

Note 13: Includes state funding for staffing for 49% of Treevitalize Program for each FY.

Note 14: All PFBC program expenditure data is reported on a state fiscal year basis.

Note 15: FY23 data is estimated based on anticipated program expenditures.

Note 16: The State Wildlife Grant program involves numerous statewide projects. Expenditures are prorated based on an estimated 30% of this work occurring within the Chesapeake Bay Watershed.

**Table 20—Pennsylvania, Federal Funds Received**

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2021	FY 2022	FY 2022 IJJA Allocation	FY 2023	FY 2023 IJJA Allocation
<b>Department of Environmental Protection</b>							
Nonpoint Source Program	EPA	Section 319 Nonpoint Source Program <sup>1</sup>	4,978	4,978	0	5,047	0
Water Pollution Control	EPA	Section 106 Grant <sup>2</sup>	3,998	6,897	0	4,014	0
Water Pollution Control	EPA	106 Supplemental Grant <sup>2</sup>	116	101	0	289	0
Monitoring, Assessment, and Planning	EPA	Section 604(b) <sup>2</sup>	145	363	0	380	0
Chesapeake Bay Implementation	EPA	Chesapeake Bay Implementation Grant <sup>3</sup>	1,860	1,895	0	2,016	0
Chesapeake Bay Regulatory and Accountability	EPA	Chesapeake Bay Regulatory and Accountability Grant	3,163	3,411	0	3,411	0
Chesapeake Bay Regulatory and Accountability	EPA	WIP	0	0	0	0	0
Chesapeake Bay Regulatory and Accountability	EPA	MEB	550	250	0	1,682	0
Chesapeake Bay Regulatory and Accountability	EPA	Water Division	210	100	0	250	0
Chesapeake Bay Regulatory and Accountability	EPA	Advancing Priorities	0	0	0	0	50
Non-Tidal Monitoring Network	EPA	Monitoring	571	571	0	721	0
IJJA	EPA	DEP - Chesapeake Bay IJJA MEB	0	0	1,800	0	5,333
IJJA	EPA	Local Government Implementation Grant	0	0	0	1,191	0
<b>Department of Conservation and Natural Resources, Bureau of Forestry</b>							
Riparian Forest Buffer Initiative	USDA, Farm Service Agency	Riparian Forest Buffer Initiative	234	234	0	411	0
Riparian Forest Buffer Initiative	NFWF	Penns Woods and Meadows <sup>4</sup>	0	1,000	0	0	0
Riparian Forest Buffer Initiative	EPA	DCNR - Chesapeake Bay IJJA MEB	0	0	3,000	0	0
<b>Pennsylvania Infrastructure Investment Authority</b>							
Program Administration and Oversight <sup>2</sup>	EPA	SRF	2,638	2,748	0	1,615	0
Construction and Implementation	EPA	SRF	124,283	41,901	0	167,138	0
<b>Pennsylvania Department of Agriculture</b>							
Farmland Preservation - Ag BMP Implementation	USDA, NRCS	RCPP	2,294	4,000	0	0	0
Farmland Preservation - Conservation Easement	USDA, NRCS	ACEP	762	238	0	0	0

	EPA	Ag/SCC - Chesapeake Bay IJJA MEB	0	0	798	0	4,000
<b>Pennsylvania Fish and Boat Commission</b>							
Habitat Management	EPA	Chesapeake Bay Implementation Grant <sup>5</sup>	492	472	0	500	0
State Wildlife Grants	USFWS	Wildlife & Sportfish Restoration <sup>6</sup>	261	254	0	255	0
Anadromous Fish Restoration	NOAA	National Marine Fisheries Service <sup>5</sup>	168	178	0	172	0
<b>Total, Pennsylvania, Federal Funds Received</b>			<b>146,724</b>	<b>69,592</b>	<b>5,598</b>	<b>189,092</b>	<b>9,383</b>

Note 1: FY22 has been allocated however it has not been awarded.

Note 2: Calculated at 49% as that is the land mass within the Chesapeake Bay Watershed. FY2022 is equivalent to 9 months.

Note 3: Includes FY19 \$778,600 CBIG3 grant to DEP and subaward to DCNR and FY20 \$3,848,209 CBIG3 grant to DEP and subaward to PA State Conservation Commission. FY20 includes FY18 funds. FY21 allocation (per 2021 CBPO Grant Guidance, Attachment 15) of \$2,515,700 was reduced by \$163,681. This is equivalent to the Conowingo Funding Annual Cost Share adjustment.

Note 4: DCNR awarded \$5,385,000 in FY17 effective 7/1/2016 - 12/31/2020 for land conservation

Note 5: DCNR awarded \$684,868 in FY20 directly from EPA; DCNR did not receive EPA funds in 2021 - anticipate \$3 million in buffer and lawn conversion projects with IJJA in FY23 (beginning October 2022)

Note 6: Pennsylvania's FY20 allocation (per 2021 CBPO Grant Guidance, Attachment 15) of \$2,915,028 was reduced by \$248,209.

Note 7: Agreement for \$1M NFWF (original funding source is federal) was finalized in June of 2022 and implementation will begin fall of 2022.

Note 8: PFBC's award amounts for FY20, FY21, and FY22.

Note 9: The State Wildlife Grant program involves numerous statewide projects. Annual funding amounts are prorated based on an estimated 30% of this work occurring within the Chesapeake Bay Watershed.



**Table 21—Virginia, State Programs**

(Budget authority in thousands)	FY 2021	FY 2022	FY 2023	FY 2024
<b>Virginia Marine Resources Commission</b>				
Oyster Replenishment/Restoration	4,000	4,000	4,000	4,000
Oyster Reef Restoration- Capital Funding	10,000			
<b>Virginia Department of Environmental Quality<sup>1</sup></b>				
Water Quality Improvement Fund point source grants	3,815	4,182	1,965	3,950
Water Quality Improvement Fund non-point source grants	885	66	306	4,500
Clean Water SRF	25,309	40,923	23,603	22,000
Stormwater Local Assistance grants	4,522	3,613	2,119	11,654
Stormwater Management	5,994	5,280	5,677	7,206
Water Quality Management	15,770	18,842	22,873	24,314
Air Quality	9,168	10,165	10,735	11,533
Land Management	4,527	5,315	5,488	5,832
Superfund	1,974	1,270	1,800	3,289
Petroleum Remediation	16,665	17,513	18,364	19,236
Litter Control and Recycling	1,469	1,994	2,467	2,474
CSOs, including Lynchburg, Richmond, and Alexandria	-	23,015	983	5,925
<b>Virginia Department of Wildlife Resources<sup>3</sup></b>				
Nongame & Endangered Species Conservation	2,204	4,148	2,453	3,188
Invasive Species	71	29	33	54
Habitat Management & Enhancement	449	2,807	3,561	4,599
Land Acquisition and Protection	96	1,009	1,751	1,000

Recreational Hunting	983	2,692	3,417	4,277
Recreational Fishing	527	2,345	2,835	3,851
Recreational Boating Access	115	376	349	482
<b>Virginia Department of Agriculture and Consumer Services<sup>4</sup></b>				
Agricultural Stewardship Program*	235	292	317	319
Agricultural Commodities Program*	-	120	82	90
<b>Virginia Department of Forestry</b>				
Timber Harvest Inspection Program	642	650	724	760
<b>Virginia Department of Conservation and Recreation<sup>2</sup></b>				
50301- Soil and Water Conservation	3,374	4,197	10,073	14,390
50320- Financial Assistance to Soil and Water Conservation Districts	5,400	5,515	10,368	11,347
50322- Technical Assistance to Soil and Water Conservation Districts	4,696	6,744	15,144	15,144
50323- Agricultural Best Management Practices Cost Share Assistance	29,826	43,938	105,439	105,439
50314- Dam Inventory, Evaluation and Classification and Flood Plain Management	20,596	60,621	115,357	115,357
50317- Natural Heritage Preservation and Management	3,194	3,918	4,426	4,426
50401- Preservation of Open Space Lands	12,175	13,555	18,927	18,125
50403- Design and Construction of Outdoor Recreational Facilities	629	626	845	1,000
50404- State Park Management and Operations	590	266	562	437
50406- Natural Outdoor Recreational and Open Space Resource Research, Planning, and Technical Asst.	1,124	1,516	1,176	10,000
59901- General Administration Management for Chesapeake Bay Program Activities	6,825	7,096	7,962	8,718
<b>Virginia Department of Transportation</b>				
MS4/Chesapeake Bay TMDL Special Condition	22,256	11,645	8,717	4,200
<b>Total, Virginia, State Programs</b>	<b>220,105</b>	<b>310,283</b>	<b>414,898</b>	<b>453,116</b>

<sup>1</sup> All costs are based on June 30, state fiscal year

Clean Water SRF: Based on actual payments for localities in the bay region

Stormwater Local Assistance grants: Based on actual payments for localities in the bay region

Stormwater Management: Total program costs allocated based on statewide bay land area 60%

Water Quality Management: Total program costs allocated based on statewide bay land area 60%

Air Quality: Total program costs allocated based on statewide bay land area 60% except for non-attainment emissions inspection expenditures at 100%

Land Management: Total program costs allocated based on statewide bay land area 60%

Superfund Based on actual payments for localities in the bay region

Petroleum Remediation: Based on actual payments for localities in the bay region

Litter Control and Recycling: Based on actual payments for localities in the bay region

CSOs, including Lynchburg, Richmond, and Alexandria: Based on actual payments for localities in the bay region

FY 2024 estimates are preliminary, and FY 2023 Year-to-date totals are preliminary

## <sup>2</sup>DCR Footnotes

Includes Water Quality practices, Nutrient Mgt to prevent run off, Agricultural incentives, Resource Mgt planning, Engineering Services, Shoreline Erosion Advisory (SEAS), Adopt a Stream, Watershed and Stream Exclusion Practices, Chesapeake Bay Restoration Fund, Plant more Plants, Conservation Reserve Enhancement Program (CREP), Virginia Agricultural Best Mgt Practices. Total program costs allocated based on statewide bay land area 70%.

Public Safety, Erosion Control, Climate resiliency, Water Quality. Total program costs allocated based on statewide bay land area 70%, to include Regional Greenhouse Gase Initiative Funds.

Natural Area Preserves. Conservation of Virginia's biodiversity and ecosystems of lands with native plant and animal life. Protection and outdoor recreational opportunities. Clean water through Caves and Karst. Total program costs allocated based on statewide bay land area 70%.

Land protection grants and advisory, Virginia Outdoors Fund, Virginia Land Conservation Foundation, Clean Water Revolving Loan, Land Conservation, Virginia Recreational Trails Fund, Tax Incentive Administration. Total program costs allocated based on statewide bay land area 70%.

Accessibility, Environmental Education, Habitat Enhancement, Shoreline Erosion Control, Interpretative Signage, Canoe in Camping, Kayak Launch. Total program costs allocated based on activities in "Bay Area" Parks: False Cape, Chippokes, York River, First Landing, Leesylvania, Mason Neck, Westmorland and Kiptopeke.

Virginia Outdoors Plan, Land Water Conservation Fund, Recreational Trails Program, Virginia Land and Water Conservation Fund, Greenways and Trails, Blueways and Water Trails, Public Access, Virginia Scenic Resources (Rivers and Byways), Master Planning of Parks, Green Infrastructure- interconnected network of waterways wetlands, wildlife habitats, parks, and other open spaces that support native species. Total program costs allocated based on statewide bay land area 70%.

## <sup>3</sup>DWR Footnotes

All costs are based on June 30, state fiscal year

Funding estimatd from statewide programmatic expenses based on distribution of species work done by staff, 95% in Ches Bay watershed. Program field activities still significantly curtained in FY22 due to COVID-19 pandemic. Funding estimated based on distribution of Species of Greatest Conservation Need across the Commonwealth.

Funding estimated from statewide programmatic expenses based on Ches Bay being 56% of area of Commonwealth.

<sup>4</sup>VDAC Footnotes- \*amounts estimated for the Chesapeake Bay Watershed from statewide program funding totals.

**Table 22—Virginia, Federal Funds Received**

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2021	FY 2022	FY 2022 IJJA Allocation	FY 2023	FY 2023 IJJA Allocation
<b>Virginia Marine Resources Commission</b>							
Oyster Replenishment-Restoration-restoration of 100 acres of new oyster reef habitat over a three year period	NOAA	Fish Habitat Conservation Program	540	540	-	540	-
Oyster Replenishment-Restoration-restore approx 60-75 acres fo subtidal oyster habitat and include oyster structures to improve shoreline resilience	NOAA	Fish Habitat Conservation Program	0	0	-	750	-
<b>Virginia Department of Environmental Quality</b>							
Virginia Revolving Loan Program	EPA	EPA SRF	32,518	23,680	38,338	15,352	47,010
Chesapeake Bay Regulatory & Accountability Program	EPA	EPA CBRAP	3,479	3,251	-	3,197	-
Chesapeake Bay Implementation Grant	EPA	EPA CBIG	2,942	3,901	-	3,715	-
Chesapeake Bay Program Most Effective Basins	EPA	EPA CB MEB	1,110	1,360	3,150	828	1,554
Chesapeake Bay Program Implementation Support							2,100
Chesapeake Bay Program Advancing Priorities							150
PPG 106 Water	EPA	EPA 106	2,212	2,150	.	2,222	-
PPG 105 Air	EPA	EPA 105	1,792	1,729	-	1,771	-
Nonpoint Source Program	EPA	EPA 319(h)	1,604	1,051	-	1,643	-
Coastal Zone Management Program	NOAA	NOAA CZM	1,695	1,612	150	3,154	3,037
Chesapeake Bay Monitoring	EPA	EPA 117(e)	1,392	1,513	-	1,688	-
DOD Federal Facilities	Department of Defense		1,232	684	-	1,171	-
PPG RCRA	EPA	EPA RCRA	1,286	1,276	-	1,326	-
Leaking Underground Storage Tank	EPA	EPA LUST	849	837	-	822	-

Leaking Underground Storage Tank Prevention	EPA	EPA LUST Prevention	424	400	-	625	-
PM 2.5 Air Monitoring Program	EPA	EPA PM 2.5	293	293	-	307	-
Section 103 Air (ARPA)	EPA	EPA 103 (ARPA)	-	297	-	-	-
Water Quality Management Planning	EPA	EPA WQM 604(b)	329	197	387	155	475
DERA Project	EPA	EPA State Grants: Diesel Emissions Reduction Act (DERA)	212	212	-	-	-
Wetlands	EPA	EPA Region 3 Wetland Program Development Grants	91	200	-	200	-
Superfund Core Program	EPA	EPA Superfund Core	-	-	-	225	-
106 Disaster Relief	EPA	EPA 106 Disaster Relief	-	-	-	-	-
Superfund: Atlantic Wood	EPA	EPA Pre-Remedial Response (FUDS & PA/SI)	-	-	-	155	-
PPG Multipurpose	EPA	EPA Multipurpose	79	55	-	-	-
Community Scale Monitoring	EPA	EPA CSATM	247	53	-	16	-
Environmental Justice (ARPA)	EPA through State Appropriation	EPA SEJCA	-	120	-	-	-
CSO State Appropriation (ARPA)	US Treasury	ARPA	-	225,000	-	282,477	-
<b>Virginia Department of Wildlife Resources</b>							
Nongame & Endangered Species Conservation	USFWS	Wildlife & Sport Fish Restoration Program	460	507	-	501	-
Nongame & Endangered Species Conservation	USFWS	Cooperative Endangered Species Conservation	99	98	-	81	-
Nongame & Endangered Species Conservation	NOAA	Cooperative Endangered Species Conservation	18	61	-	50	-
Nongame & Endangered Species Conservation	USFWS	State Wildlife Grants	186	428	-	444	-
Invasive Species	USFWS	Wildlife & Sport Fish Restoration Program	33	22	-	25	-

Habitat Management & Enhancement	USFWS	Wildlife & Sport Fish Restoration Program	1,347	2,106	-	2,246	-
Land Acquisition/Protection	USFWS	Wildlife & Sport Fish Restoration Program	96	757	-	4,588	-
Recreational Hunting	USFWS	Wildlife & Sport Fish Restoration Program	2,950	2,019	-	2,163	-
Recreational Fishing	USFWS	Wildlife & Sport Fish Restoration Program	1,580	1,759	-	1,623	-
Recreational Boating Access	USFWS	Wildlife & Sport Fish Restoration Program	344	282	-	275	-
<b>Virginia Department of Forestry</b>							
Chesapeake Bay Program	U.S. Forest Service	10.678 Chesapeake Bay Buffer Enrollment	70	146	147	156	150
Chesapeake Bay Program	Environmental Protection Agency	66.466 Chesapeake BMP Monitoring & Enforcement	28	4	-	-	-
Chesapeake Bay Program	Environmental Protection Agency	66.466 Chesapeake Bay Trees to Turf	0	89	89	61	50
<b>Virginia Department of Conservation and Recreation</b>							
Dam Inventory, Evaluation and Classification and Flood Plain Management - Public Safety, Erosion Control, Climate resiliency, Water Quality	Federal Emergency Management Agency	CTP, CAP-SSE and Dam Safety	506	306	136	323	-
State Park Management and Operations - Accessibility, Environmental Education, Habitat Enhancement, Shoreline Erosion Control, Interpretative Signage, Canoe in Camping, Kayak Launch.	National Park Service and US Fish and Wildlife/ACOE	Chesapeake Bay Access	-	50	-	15	-
Natural Outdoor Recreational and Open Space Resource Research, Planning, and Technical Assistance - Virginia Outdoors Plan, Land Water Conservation Fund, Recreational Trails Program, Virginia Land and Water Conservation Fund, Greenways and Trails, Blueways and Water Trails, Public Access, Virginia Scenic Resources (Rivers and Byways), Master Planning of Parks, Green Infrastructure- interconnected network of waterways wetlands, wildlife habitats, parks, and other open spaces that support native species.	National Park Service and US Fish and Wildlife	Land Conservation and East Coast Greenway	4,202	7,180	-	8,204	-

Total, Virginia, Federal Funds Received

66,245	286,225	42,397	343,094	54,526
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DEQ Notes: \* Allocation Methodology

- Based on statewide Bay land area (60%)
  - EPA 106 (Primarily based on 60% estimate. Funding for some 106 projects is allocated based on projects for Bay localities)
  - EPA 105
  - EPA RCRA
  - EPA PM 2.5
  - EPA State Clean Diesel Program
  - EPA Region 3 Wetland Program Development
  - 106 Disaster Relief (Hybrid -- 1/3 components based on Bay land area, 2/3 components based on project locations)
  - PPG Multipurpose
- Based on actual projects for localities in the bay region
  - Department of the Army, Corps of Engineers
  - EPA WQM 604(b)
  - EPA CBRAP
  - EPA CBIG
  - EPA 319
  - EPA 117e
  - EPA Superfund (Site Specific)
  - EPA Superfund Core
  - NOAA CZM
  - 106 Disaster Relief (Hybrid -- 1/3 components based on Bay land area, 2/3 components based on project locations)
- Based on historical payments
  - EPA LUST
  - EPA LUST Prevention
- Based on assumption that 100% of projects will impact Bay area
  - EPA SRF
- \* Generally, allocation methodology was applied to federally approved amounts.

*Exceptions:*

- \* EPA SRF allocation is based on pending 2020 request
- \* DOD Fed Facilities is based on cash received

\*State ARPA projects include CSOs, Wastewater treatment plant upgrades, and Straightpipe/sewer grants

DCR Footnotes:

1 Includes Water Quality practices, Nutrient Mgt to prevent run off, Agricultural incentives, Resource Mgt planning, Engineering Services, Shoreline Erosion Advisory (SEAS), Adopt a Stream, Watershed and Stream Exclusion Practices, Chesapeake Bay Restoration Fund, Plant more Plants, Conservation Reserve Enhancement Program (CREP), Virginia Agricultural Best Mgt Practices. Total program costs allocated based on statewide bay land area 70%.

2 Public Safety, Erosion Control, Climate resiliency, Water Quality. Total program costs allocated based on statewide bay land area 70%.

3 Accessibility, Environmental Education, Habitat Enhancement, Shoreline Erosion Control, Interpretative Signage, Canoe in Camping, Kayak Launch. Total program costs allocated based on activities in "Bay Area" Parks: False Cape, Chippokes, York River, First Landing, Leesylvania, Mason Neck, Westmorland and Kiptopeke.

4 Virginia Outdoors Plan, Land Water Conservation Fund, Recreational Trails Program, Virginia Land and Water Conservation Fund, Greenways and Trails, Blueways and Water Trails, Public Access, Virginia Scenic Resources (Rivers and Byways), Master Planning of Parks, Green Infrastructure- interconnected network of waterways wetlands, wildlife habitats, parks, and other open spaces that support native species. Total program costs allocated based on statewide bay land area 70%.

DWR Footnotes:

Funding estimated from statewide programmatic expenses based on distribution of species work done by staff, 95% in Ches Bay watershed. Program field activities still significantly curtailed in FY22 due to COVID-19 pandemic. Funding estimated based on distribution of Species of Greatest Conservation Need across the Commonwealth. Funding estimated from statewide programmatic expenses based on Ches Bay being 56% of area of Commonwealth.



**Table 23—West Virginia, State Programs**

<b>(Budget authority in thousands)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Department of Environmental Protection</b>				
CB Implementation Subrecipient state expenditures	1,104	1,032	936	1,183
CB Regulatory & Accountability Subrecipient state expenditures	85	95	58	220
NPDES permitting, compliance, enforcement (14.55% of statewide program) <sup>1</sup>	766	775	888	789
Monitoring and TMDL (14.55% of statewide program) <sup>1</sup>	299	213	308	346
SRF Wastewater Treatment Upgrades <sup>2</sup>	1,993	376	-	-
319 Program Match <sup>3</sup>	73	60	86	73
WV Farmland Preservation Program <sup>4</sup>	6,486	3,850	5,168	5,168
<b>Infrastructure and Jobs Development Council (IJDC)</b>				
Wastewater and CSO Projects	10,462	978	1,000	11,178
<b>Total, West Virginia, State Programs</b>	<b>21,268</b>	<b>7,379</b>	<b>8,444</b>	<b>18,957</b>

1 14.55% of statewide program, estimated by # of counties in the Potomac River Basin (8 out of 55).

2 There are also personnel and operating expenses incurred by the SRF Program to administer the program; however, these expenditures could not be included because WV DEP employee time was not tracked per wastewater treatment upgrade project.

3 319 Match for FY24 has been estimated.

4 WV Farmland Preservation numbers are estimated for 2023 and 2024 and will be provided in the 2024 report as the numbers are obtained.

**Table 24—West Virginia, Federal Funds Received**

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2021	FY 2022	FY 2022 IJJA Allocation	FY 2023	FY 2023 IJJA Allocation
<b>Department of Environmental Protection</b>							
CB Implementation Most Effective Basins <sup>3,6</sup>	EPA	CB Program	1,720	1,792	500	1,776	424
CB Implementation Supplemental Implementation Support <sup>6</sup>	EPA	CB Program	-	-	-	-	48
CB Implementation Advancing Priorities <sup>6</sup>	EPA	CB Program	-	-	-	-	120
CB Regulatory & Accountability <sup>3</sup>	EPA	CB Program	678	596	-	666	-
Water Pollution Control <sup>1,3</sup>	EPA	CWA 106 Program	306	306	-	337	-
Nonpoint Source 319 Program <sup>4</sup>	EPA	CWA 319	348	271	-	151	-
CB Non-Tidal <sup>3</sup>	EPA	CB Program	210	210	-	224	-
SRF Wastewater Treatment Upgrades <sup>2</sup>	EPA	CWSRF 604(b) WQ	28	-	-	-	-
WQ Management Planning <sup>1,3</sup>	EPA	Management Planning	61	131	201	-	90
<b>WV Farmland Protection</b>							
WV Farmland Preservation Program <sup>5</sup>	USDA Natural Resources Conservation Service	Farm and Ranch Lands Protection Program	618	457	-	537	-
<b>Total, State of West Virginia</b>			<b>3,969</b>	<b>3,763</b>	<b>701</b>	<b>3,691</b>	<b>682</b>

1 14.55% of statewide program, estimated by # of counties in the Potomac River Basin (8 out of 55).

2 There are also personnel and operating expenses incurred by the SRF Program to administer the program; however, these expenditures could not be included because WV DEP employee time was not tracked per wastewater treatment upgrade project.

3 FY2021 through FY 2023 these show the total federal award or total requested amounts for the FY 2023 or at 14.55% of that total federal award amount for the FY for the statewide grants (rounded to nearest thousands). The following caveats explain the data in the FY23/FY23 IJJA columns: CBIG- FY23 amendment at 1776k total (not yet awarded); CBRAP- FY23 amendment at 666k total (not yet awarded); 106 WPC- FY23 315k and UIC at 22k for FY23 (not yet awarded). We are using 14.55% of the 2168k from WPC and 150k from UIC to represent the CB counties; CBNT FY21- 224k for FY23 (not yet awarded); 604b WQMP FY21- 22 awarded 500k. The DEP personnel budget categories were shown at 14.55% of the total and then we added the projects that occurred within the CB counties. 604(b) WQMP FY22 IJJA- State allocation is 477k for FY22 awarded, and 479k for FY23 not yet awarded. The DEP personnel budget categories were shown at 14.55% of the total and then we added the projects that occurred within the CB counties.

4 FY 23 319 funds are estimated since the FY 23 allocation has not yet been awarded.

5 FY 23 Farmland Preservation Program funds have been estimated and will be updated next year when the information becomes available.

6 FY23 IJJA Allocation has been broken out to show the allocations of MEB/Supplemental Implementation Support/Advancing Priorities. Total of these three are at 592k.