

CHESAPEAKE BAY RESTORATION SPENDING CROSSCUT

Report to Congress

Office of Management and Budget

November 2022

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) 2023 Budget recognized the importance of Chesapeake Bay restoration activities and included a request of over \$500 million for high priority programs and projects in the Chesapeake Bay Watershed.

This crosscut presents information on Federal funding from FY 2020 enacted through the FY 2023 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 2022) 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.

Finally, this report represents the first year that data regarding the Infrastructure Investment and Jobs Act (IIJA) has been collected. Some agencies and states were able to report approximations of IIJA funding allocated to Chesapeake Bay restoration activities for FY 2022, but IIJA funding for FY 2023 is yet to be determined. Other agencies noted that FY 2022 IIJA funds may not be able to be specified until funds are awarded.

Federal Data

Table 1—Federal Agency Totals^{1, 2}

(Budget authority in thousands)	FY 2020			FY 2021			FY 2022						FY 2023	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	Outlays	Operating Level	Obligations Through Q2	Outlays Through Q2	IJA Allocation ³	IJA Obligations Through End of Q2 ³	IJA Outlays Through End of Q3 ³	President's Budget	IJA Allocation ³
Department of Agriculture	168,413	247,847	231,546	161,653	192,904	111,742	161,846	90,811	97,715	6,172	2,708	474	199,502	TBD
Department of Defense (non-Army Corps)	53,990	127,890	108,476	57,548	46,832	69,904	62,676	91,562	41,645	TBD	TBD	TBD	22,585	TBD
Department of Commerce	24,908	23,769	23,747	23,469	22,777	17,931	20,365	7,367	7,376	TBD	TBD	TBD	20,828	TBD
Department of Homeland Security	400	2,000	707	2,055	2,055	2,323	2,110	2,110	2,784	TBD	TBD	TBD	500	TBD
Department of the Interior	37,173	35,333	31,899	36,054	32,742	28,459	40,891	14,730	14,284	TBD	TBD	TBD	36,019	TBD
Department of Transportation	0	29,984	25,060	0	24,590	27,973	0	66,614	63,859	TBD	TBD	TBD	0	TBD
Environmental Protection Agency	227,406	230,096	168,796	230,611	220,987	235,718	198,106	19,016	130,039	189,876	TBD	TBD	193,044	47,600
Army Corps of Engineers	27,539	9,251	44,615	22,640	23,261	27,099	50,543	10,441	8,083	46,493	TBD	TBD	28,145	TBD
Total, All Agencies	539,829	706,170	634,847	534,030	566,148	521,150	536,537	302,651	365,785	242,541	2,708	474	500,623	TBD

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

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

³ IJA allocations are reported as TBD for most agencies because most allocations have not yet been determined.

Table 2—Department of Agriculture

	FY 2020			FY 2021			FY 2022						FY 2023	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	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)														
Animal and Plant Health Inspection Service														
Wildlife Services, Virginia- Federal Cooperative Funding	53	53	53	170	170	170	700	361	361	0	0	0	424	0
Wildlife Services, Maryland- Federal Cooperative Funding	1,500	1,322	1,322	1,500	1,158	1,158	1,099	750	750	0	0	0	1,500	0
Agricultural Research Service														
Water Availability and Water Management	5,690	5,690	5,690	5,762	5,762	5,762	5,762	5,762	5,762	0	0	0	5,762	0
Climate Change, Soils, and Emissions	6,123	6,123	6,123	6,169	6,169	6,169	6,169	6,169	6,169	0	0	0	6,169	0
Pasture, Forage and Rangeland Systems	413	413	413	417	417	417	417	417	417	0	0	0	417	0
Agricultural System Competitiveness & Sustainability	1,304	1,304	1,304	1,316	1,316	1,316	1,316	1,316	1,316	0	0	0	1,316	0
Farm Service Agency														
Conservation Reserve Program (CRP)	33,700	26,921	26,921	33,700	25,000	25,000	33,700	24,808	24,808	0	0	0	33,700	0
Forest Service ¹														
NFS ²	417	417	417	1,111	1,111	1,111	1,328	1,328	1,328	474	474	474	0	0
LWCF - NFS	455	455	455	415	415	415	303	303	303	0	0	0	0	0
SPF Cooperative Lands ³	1,101	1,101	1,101	1,216	1,216	1,216	1,217	1,217	1,217	0	0	0	0	0
LWCF - Forest Legacy ⁴	0	0	0	2,835	2,835	2,835	0	0	0	0	0	0	0	0

R&D ⁵	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	0	0	0	0	0
National Institute of Food and Agriculture														
Hatch Act	1,016	1,016	1,016	1,016	1,016	1,016	1,016	0	0	0	0	0	1,016	0
Evan-Allen	350	350	350	404	404	404	441	0	0	0	0	0	441	0
McIntire Stennis (a)	175	175	175	175	175	175	175	0	0	0	0	0	175	0
AFRI (b)	12,630	12,630	12,630	2,226	2,226	2,226	2,278	0	0	0	0	0	2,278	0
Other Grants	1,109	1,109	1,109	817	817	817	779	0	0	0	0	0	792	0
Natural Resources Conservation Service														
Conservation Operations	15,000	15,699	14,473	15,000	13,442	12,461	14,847	8,660	8,230	N/A	N/A	N/A	15,000	N/A
Agricultural Conservation Easement Program (ACEP)	4,700	5,919	3,907	4,700	4,773	3,910	4,949	896	1,385	N/A	N/A	N/A	4,700	N/A
Agricultural Management Assistance (AMA)	500	1,253	2,119	500	1,213	618	758	23	211	N/A	N/A	N/A	500	N/A
Chesapeake Bay Watershed Program (CBWP)	0	880	1,317	0	7	1	7	0	0	N/A	N/A	N/A	0	N/A
Conservation Reserve Program (CRP) ⁶	3,800	3,059	2,700	3,800	3,148	3,160	5,477	3,547	3,053	N/A	N/A	N/A	3,800	N/A
Conservation Stewardship Program (CSP) ⁷	9,900	45,616	46,689	9,900	16,717	7,064	24,340	6,086	11,845	N/A	N/A	N/A	18,000	N/A
Environmental Quality Incentives Program (EQIP)	63,900	61,096	98,478	63,900	54,709	29,210	52,714	1,147	26,606	N/A	N/A	N/A	60,000	N/A
Regional Conservation Partnership Program (RCPP) ⁸	3,200	1,051	1,083	3,200	8,438	3,809	802	51	2,730	N/A	N/A	N/A	1,000	N/A
Wetlands Reserve Program (WRP)	0	51	269	0	10	0	0	0	0	N/A	N/A	N/A	0	N/A

Wildlife Habitat Incentives Program (WHIP)	0	56	143	0	23	0	0	0	14	N/A	N/A	N/A	0	N/A
Watershed Rehabilitation	0	0	0	0	0	0	0	0	0	3,710	729	0	0	0
Watershed and Flood Prevention Operations Program (WFPO)	0	0	0	0	0	0	0	0	0	275	63	0	0	0
Emergency Watershed Protection Program (EWP) ⁹	0	0	0	0	0	0	0	0	0	1,713	1,442	0	0	0
Office of the Chief Economist														
Environmental Market Development	178	89	89	204	102	102	52	0	10	0	0	0	55	0
Rural Development														
Rural Utilities Service Water and Environmental Programs ¹⁰	0	52,799	0	0	38,915	0	0	26,770	0	0	0	0	42,457	0
Total, USDA	168,413	247,847	231,546	161,653	192,904	111,742	161,846	90,811	97,714	6,172	2,708	474	199,502	0

¹ 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.

² 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

³ 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).

⁴ 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.

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

⁶ CRP funding is a technical assistance allocation to administer the program in conjunction with the Farm Service Agency.

⁷ CSP funding, obligations, and payments include those through the CSP-Grasslands Conservation Initiative (GCI) program.

⁸ RCPP obligations do not include obligations for 2014 Farm Bill as those are counted under the parent program (EQIP, CSP, ACEP), but includes 2018 Farm Bill as RCPP is a stand along program under 2018 FB.

⁹ EWP funding is allocated based on participant request in the fiscal year.

¹⁰ 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). WEP may make loans and 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 that purpose. 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 might be considered part of the Watershed. Following FY20, WEP carried a negative subsidy rate, so figures only reflect grant monies. WEP has no mechanism to track the outlays (disbursements) for projects within said areas, so the respective columns are reported as \$0.

Table 3—Department of Defense

	FY 2020			FY 2021			FY 2022					FY 2023		
	Operating Level	Obligations	Outlays	Operating Level	Obligations	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)														
Services	53,990	127,889	108,476	57,547	46,832	69,904	62,675	91,562	41,645	0	0	0	22,584	0
Total, DOD	53,990	127,889	108,476	57,547	46,832	69,904	62,675	91,562	41,645	0	0	0	22,584	0

¹DoD (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.

²DoD (Services) FY2022 Obligation is an average based on FY2017 - FY2021 obligations.

³DoD (Services) FY2020 - FY2022 Outlays are based on current DoD O&M Defense Wide Outlay Rates over a typical 5-year outlay period.

⁴DoD (Services) funding amount for the FY2023 President's Budget is based on projections for that fiscal year for the reasons identified in Footnote 1.

Table 4—Department of Commerce

	FY 2020			FY 2021			FY 2022						FY 2023	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	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)														
National Oceanic and Atmospheric Administration														
Coastal Science, Assessment, Response and Restoration	2,790	2,580	2,580	2,419	2,395	2,395	1,959	970	970	0	0	0	2,620	0
Competitive Research	2,357	2,357	2,357	1,481	1,481	1,481	999	999	999	0	0	0	1,002	0
Coastal Zone Management Grants	1,720	1,720	1,720	2,106	2,106	2,106	1,941	0	0	TBD	TBD	TBD	1,884	TBD
Title IX Fund	2,437	2,437	2,437	893	893	893	TBD	TBD	TBD	TBD	TBD	TBD	0	TBD
National Estuarine Research Reserve System	905	905	905	769	769	769	921	0	0	TBD	0	0	855	TBD
Habitat Conservation and Restoration	6,326	5,404	5,509	6,639	6,071	3,526	6,799	1,907	1,495	TBD	TBD	TBD	5,717	TBD
National Sea Grant College Program	5,533	5,533	5,743	6,368	6,368	5,076	4,952	2,532	2,068	TBD	TBD	TBD	5,950	TBD
Office of Education: Bay Watershed Education and Training (BWET)	2,840	2,833	2,496	2,794	2,694	1,685	2,794	959	1,844	0	0	0	2,800	0
Total, Commerce	24,908	23,769	23,747	23,469	22,777	17,931	20,365	7,367	7,376	0	0	0	20,828	0

Table 5—Department of Homeland Security

	FY 2020			FY 2021			FY 2022					FY 2023		
	Operating Level	Obligations	Outlays	Operating Level	Obligations	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)														
Department of Homeland Security														
TRACEN Yorktown & Base Portsmouth - Sanitary Sewer System I&I Survey/Study	0	0	482	0	0	0	0	0	0	0	0	0	0	0
TRACEN Yorktown - Parking Lot Upgrades with Stormwater BMPs	400	0	0	0	0	0	0	0	0	0	0	0	500	0
Base Portsmouth - Special Requirements Total Maximum Daily Load (TMDL) Stormwater Program	0	0	0	1,300	1,300	445	2,110	2,110	528	0	0	0	0	0
Coast Guard Yard - TMDL Stormwater Program	0	0	0	755	755	378	0	0	556	0	0	0	0	0
Coast Guard Yard - ShipLift Treatment System	0	2,000	225	0	0	1,500	0	0	1,700	0	0	0	0	0
Total, DHS	400	2,000	707	2,055	2,055	2,323	2,110	2,110	2,784	0	0	0	500	0

Table 6—Department of the Interior

	FY 2020			FY 2021			FY 2022					FY 2023		
	Operating Level	Obligations	Outlays	Operating Level	Obligations	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)														
National Park Service														
Operation of the National Park System-National Trails	1,379	1,215	795	1,480	1,495	1,455	1,570	291	681	0	0	0	1,574	0
Operation of the National Park System-Field Offices and Associated Areas	496	755	471	498	489	466	509	283	592	0	0	0	1,024	0
Operation of the National Park System-Projects	223	222	134	100	84	91	523	321	110	0	0	0	866	0
National Recreation & Preservation-Chesapeake Gateways & Water Trails	3,000	2,976	1,905	3,000	2,783	2,404	3,009	407	1,088	0	0	0	3,027	0
Construction - Management Planning	400	360	495	862	894	304	491	-257	262	0	0	0	260	0
Land Acquisition & State Assistance-Stateside Grants	939	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish and Wildlife Service														
Resource Management														0
<i>Ecological Services</i>	3,180	3,180	3,180	3,180	2,415	1,697	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	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	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	1,737	782	434	0	0	0	1,737	0

<i>Science Support: Adaptive Science</i>	0	0	0	0	0	0	4,000	800	35	0	0	0	0	0
Natural Resource Damage Assessment and Restoration	739	739	739	739	738	620	739	333	185	0	0	0	739	0
Wildland Fire	563	563	563	646	484	344	646	291	141	0	0	0	646	0
Reimbursable Services	480	480	480	480	320	188	480	216	120	0	0	0	480	0
U.S. Geological Survey														
Ecosystems	7,121	6,694	5,910	8,628	8,538	7,873	8,928	3,464	4,386	0	0	0	8,771	0
Land Resources	720	677	598	0	43	72	0	0	25	0	0	0	0	0
Energy and Minerals, and Environmental Health	961	903	798	0	58	96	0	0	34	0	0	0	0	0
Natural Hazards	450	423	374	425	427	398	550	207	265	0	0	0	925	0
Water Resources	5,763	5,417	4,783	5,017	5,062	4,740	5,107	1,986	2,572	0	0	0	3,528	0
Core Science Systems	500	470	415	740	726	664	900	341	428	0	0	0	740	0
Total, DOI	37,173	35,333	31,899	36,054	32,742	28,459	40,891	14,730	14,284	0	0	0	36,019	0

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:

MAs 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 2020			FY 2021			FY 2022					FY 2023		
	Operating Level	Obligations	Outlays	Operating Level	Obligations	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) Department of Transportation FHWA Apportioned STBG-eligible Funding Obligated in support of MD's Watershed Implementation Plan	0	29,984	25,060	0	24,590	27,973	0	66,614	63,859	0	0	0	0	0
Total, DOT	0	29,984	25,060	0	24,590	27,973	0	66,614	63,859	0	0	0	0	0

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) ⁵	FY 2020			FY 2021			FY 2022					FY 2023		
	Operating Level	Obligations	Outlays	Operating Level	Obligations	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
Environmental Protection Agency														
Program Operations & Support	5,169	5,313	5,320	6,958	4,807	4,902	7,399	2,365	2,262	1,258	0	0	7,669	TBD
Partnership & Data Management Support	13,000	10,526	10,990	10,135	10,250	11,455	10,595	1,276	4,957	2,592	0	0	11,093	TBD
WQ Monitoring Grants	5,240	4,935	4,726	5,000	4,393	4,892	5,000	0	1,657	1,750	0	0	5,000	TBD
TMDL Implementation & Analysis	2,017	1,412	1,887	1,777	1,526	1,890	1,770	748	720	500	0	0	1,770	TBD
Reporting & Accountability	2,612	2,628	2,937	1,920	3,011	4,365	2,007	1,448	1,906	500	0	0	2,007	TBD
Permit Review and Rule Development, Guidance & Implementation	916	5,587	3,718	3,844	2,158	3,480	3,861	1,937	3,866	0	0	0	3,201	TBD
Enforcement	1,672	1,596	1,417	1,794	1,723	1,824	1,588	416	582	1,000	0	0	1,848	TBD
Small Watershed Grant Program	9,000	9,000	5,596	9,625	9,625	3,676	9,625	0	3,705	15,000	0	0	9,625	TBD
Innovative Nutrient Sediment Reduction Grants	9,000	9,000	5,599	9,625	9,625	6,129	9,625	0	2,668	10,000	0	0	9,625	TBD
State Implementation Grants	36,374	37,692	24,864	36,822	30,758	31,082	36,530	5,568	15,256	15,000	0	0	38,730	TBD
Non-Point Source Grants: Improve Water Quality of Watershed (Section 319)	8,700	8,700	7,524	8,908	8,908	6,737	8,905	0	3,252	0	0	0	7,374	TBD
Pollution Control Grants (Section 106) ^{3,4}	11,141	11,141	10,792	11,500	11,500	10,188	11,638	5,063	3,400	0	0	0	9,537	TBD
Pollution Control Grants Monitoring (Section 106)	762	762	1,031	917	917	494	855	113	481	0	0	0	0	TBD

STAG Infrastructure Assistance Grants: Clean Water SRF	121,803	121,803	82,395	121,786	121,786	144,605	88,708	82	85,326	142,276	0	0	85,564	TBD
Sewer Overflow and Stormwater Reuse Municipal Grants (OSG) program assistance ^{1,2,6,7}	0	0	0	3,537	3,537	0	0	0	0	0	0	0	0	TBD
Total, EPA ⁸	227,406	230,096	168,796	230,611	220,987	235,718	198,106	19,016	130,039	189,876	0	0	193,044	47,600

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

² 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. FY2020, FY2021 and FY2022 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 FY2023 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.

³ 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 FY2023 President Budget, Delaware River Basin Commission (DRBC) estimates could not be removed, since allocation proposals are made at the regional level. However, FY2021-FY2022 DRBC allocations were approximately \$620k. NY allocations could not be estimated for the FY2023 President Budget, however, FY2021-FY2022 NY estimates were approximately \$990K per year.

⁴ Operating plans are not provided for Section 106 monitoring funds. Section 106 monitoring funds are reprogrammed after operating plans are loaded into BAS.

⁵ 2020, 2021, and 2022 Obligations and Outlays as of 6-27-2022.

⁶ 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. CBF funds will be reported in FY23, if applicable.

⁷ 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. NY numbers are not included in the FY21 totals. FY22 allocations for OSG have not yet been announced or provided to the regions.

⁸ Allocations for the FY23 IJA funding will be distributed among the Chesapeake Bay Program funding categories when EPA receives its FY23 appropriation.

Table 9—Army Corps of Engineers

	FY 2020			FY 2021			FY 2022						FY 2023	
	Operating Level	Obligations	Outlays	Operating Level	Obligations	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)														
Army Corps of Engineers Investigations (Studies/Design)														
Anacostia Watershed Restoration, Prince George's County, MD	1,940	101	101	0	8	8	0	177	177	0	0	0	0	0
Chesapeake Bay Comprehensive Plan, MD, PA & VA	4	24	38	0	1	11	0	1	1	0	0	0	0	0
Eastern Shore, Mid Chesapeake Bay Island, MD	500	1,143	1,203	382	2,034	1,762	0	909	986	0	0	0	0	0
Construction														
Anacostia Watershed Restoration, Montgomery County (Continuing Authorities Program, Section 206)	0	0	0	200	57	57	150	56	56	0	0	0	0	0
Anacostia Watershed Restoration, Prince George's County	0	0	0	0	0	0	30,000	0	0	0	0	0	0	0
Chesapeake Bay Env Restoration and Protection, MD, VA & PA	0	169	169	50	257	257	6,750	47	47	0	0	0	0	0
Chesapeake Bay Oyster Recovery, MD & VA	5,000	367	586	6,374	3,965	3,989	5,249	162	287	0	0	0	3,500	0
Eastern Shore, Mid Chesapeake Bay Island, MD		0	0	0	0	0	0	0	0	46,493	0	0	0	0
Lynnhaven River Basin, VA	0	3,433	467	0	639	3,483	0	360	462	0	0	0	0	0

Paint Branch Fish Passage, MD (Continuing Authorities Program, Section 206)	0	-67	179	0	66	81	0	7	7	0	0	0	0	0
Poplar Island, MD	17,300	1,807	39,733	12,776	14,944	15,977	4,200	8,680	6,018	0	0	0	21,345	0
Other														
Environmental Stewardship - multiple projects	2,187	1,988	1,853	2,803	949	1,144	4,071	0	0	0	0	0	3,300	0
Coordination with Other Water Resources Agencies (Chesapeake Bay Program)	612	286	286	55	342	342	23	41	42	0	0	0	N/A ¹	0
Total, USACE	27,543	9,251	44,615	22,640	23,261	27,099	50,543	10,441	8,083	46,493	0	0	28,145	0

¹ The FY 2023 Budget includes \$600,000 for multiple programs. The specific allocation of funds to support Chesapeake Bay Restoration has not yet been determined.

Table 10—Army Corps of Engineers—Project Detail

(Budget Authority in thousands)	FY 2023 Budget	Description	Status	Authorized Funding Level ¹
Army Corps of Engineers				
Chesapeake Bay Oyster Recovery, MD & VA	3,500	Restore Oyster habitat in the Chesapeake Bay MD and VA	This project is in Construction Phase	100,000
Poplar Island, MD	21,345	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.	3,300	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

¹ 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 2020	FY 2021	FY 2022	FY 2023
Department of Natural Resources and Environmental Control				
Conservation Cost Share	750	750	750	750
Resource Conservation and Development Funds	0	75	150	100
Department of Agriculture				
Cover Crop	2,900	1,450	3,210	5,210
Total, Delaware, State Programs	3,650	2,275	4,110	6,060

Table 12—Delaware, Federal Funds Received

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2020	FY 2021	FY 2022	FY 2022 IJJA Allocation
Department of Environmental Quality						
Chesapeake Bay Regulatory and Accountability Grant (CBRAP)	EPA	EPA Section 117, CWA	790	775	762	0
Chesapeake Bay Implementation Grant (CBIG)	EPA	EPA Section 117, CWA	1,981	2,106	2,106	0
Delaware Infrastructure Support for Effective Basins	EPA	EPA Section 117, CWA	0	0	0	750
Total, Delaware, Federal Funds Received			2,770	2,880	2,867	750

Table 13—District of Columbia, State Programs

(Budget authority in thousands)	FY 2020	FY 2021	FY 2022	FY 2023
Department of Energy and Environment (DOEE)				
SRF Clean Water Construction (EVCA, EVSD, SRF)	414	1,110	717	0
Nonpoint Source Program (EVNI)	360	437	601	536
Chesapeake Bay Program (EVCB, EVRA)	2,604	4,189	56	4,260
Water Pollution Control Program (EVWP, EVWQ)	285	504	435	481
Floodplain Management Program (EVFC, EVFE, CAPSSE, CTPFEM, CTPX, CAPX)	15	32	40	42
Fisheries Management and Aquatic Education (EVFS, MB, WS, AE, FM, SP, AR, TS, WT, CV, AD, AC)	462	905	524	517
Spotted Turtle 0 USDA - SPOT	0	1	0	0
Wetland Grants - WL	0	26	65	0
Boating Dock - BOATKI	0	40	35	50
Fishing License Program (603) not grant match	0	35	68	33
MS4 Program Operating (654) not grant match	6,268	9,093	12,767	14,775
Stormwater and Soil Erosion/Sediment Control (634, 646) not grant match	2,509	2,973	4,044	3,975
Anacostia Fund Operating (0670) not grant match	596	1,359	2,098	1,438
MS4 Program - Capital (SWM05C) not grant match	433	262	1,294	TBD
Anacostia Fund - Capital (BAG04C) not grant match	144	482	350	TBD
Anacostia Sediment Study (HMRHMC)	4,888	6,918	4,085	TBD
Fort Dupont Restoration NFWF - (EVFD)	0	(314)	0	0
FRESHWATER MUSSEL RESTORATION - MR	0	51	118	0
Source Reduction (EVSR, EVPO)	0	96	42	75
Green Infrastructure Maintenance (ARPA Funding)	0	13	543	8,594
District Department of Transportation (DDOT)				
Infrastructure Project Management Division	1,599	1,532	244	2,298
Urban Forestry Division	1,158	4,498	1,245	4,500
DC Water				
Blue Plains Operations and Maintenance excluding facilities, engineering, administration	103,820	107,026	27,752	35,000
Total, District of Columbia, State Programs	125,555	141,268	57,123	76,574

Note 1: DOEE's fiscal year is October to September. The expenditures for FY 22 are reported through 07/26/22. Final FY22 expenditures will be higher.

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

Note 3: 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 4: Unless specified as "not match," District funds are used as match to federal grant program.

Note 5: District dollars include personnel.

Note 6: DDOT dollars provided by DDOT as of July 27, 2022 (FY22 data is not complete since the fiscal year ends September 30, 2022)

Note 8: Expenditure data for FY 2022 is incomplete since the District's fiscal year ends on September 30, 2022.

Note 9: Expenditure data may reflect 'negative' expenditures due to payments or other transfers into a project

note 10: 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 11: Budget data for projects were taken from Mayor Bowser's proposed FY 2023 budget

Note 12: 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)

Table 14—District of Columbia, Federal Funds Received

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2020	FY 2021	FY 2022	FY 2022 IJA Allocation
Department of Energy and Environment (DOEE)						
SRF Clean Water Construction	EPA	Clean Water State Revolving Fund	4,628	4,736	11,321	0
NPS Program (EVNI - 350, 8201)	EPA	Section 319 Program	1,024	1,051	1,051	0
Chesapeake Bay Program (EVCB, EVRA, MEB)	EPA	Section 117 Program	2,473	2,424	2,425	500
Environmental Information Exchange Network Grant Program and Related Assistance (EVEX)	EPA	Consolidated Appropriations Act of 2019 (PL116-6)	200	0	0	0
Water Pollution Control Program (EVWP, EVWQ)	EPA	Section 106 and 604(b) Programs	1319	1361	1,362	0
Floodplain Management Program (EVFC, EVFE, CAP, CTP, FEM)	FEMA	Cooperative Technical Partners and Community Assistance programs	131	151	151	0
Stream Restoration and Demonstration (EVLI, EVSW, EVDP, EVMR, EVOR)	EPA	NFWF	200	250	0	0
Fisheries Management and Aquatic Education	DOI	Wildlife and Sport Fish Restoration Prog	1,002	1,107	1432	0
Boating Access (17EVAC, BOATAC, BOATKI)	DOI	Wildlife and Sport Fish Restoration Program (US Fish and Wildlife Service)	363	0	0	0
District Department of Transportation (DDOT)						
Infrastructure Project Management Division	FHWA	State Transportation Fund	6,450	4,771	2,783	0
DC Water						
						0

Clean Water Act	EPA	CFDA 66.418 Construction Grants for WWT Works	1,803	2,609	3,000	0
Safe Drinking Water Act	EPA	CFDA 66.468 Safe Drinking Water State Revolving Funds	10,481	10,558	6,198	0

Total, District of Columbia, Federal Funds Received

30,074	29,018	29,723	500
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Note 1: Unless otherwise noted, data based on federal awards received within the fiscal year (October 1 - September 30).

Note 2: FY22 Clean Water State Revolving Fund based on anticipated FY22 award

Note 3: FY22 Section 319 Program funding is based anticipated FY22 award

Note 4: FY22 Section 117 Program based on anticipated amounts provided by U.S. EPA Chesapeake Bay Program Office including IJA (MEB) funding

Note 5: DC Water amounts provided by DC Water as of July 29, 2022 (FY22 data is not complete since the fiscal year ends September 30, 2022)

Note 6: Expenditure data for FY 2021 is incomplete since the District's fiscal year ends on September 30, 2022

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

Note 8: 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 9: Cell H13 FY2022 includes the following grants: Aquatic Resources Education- F21AF04043, Maintenance of Aquatic Resources Education Center- F21AF03783, Bird Survey- F21AF03800, and Coordination of Sport Fish Restoration Grants in the District of Columbia- F21AF04014; Fisheries Survey (F21AF04008); Wildlife Survey -SWG (F21AF03793-00); National Honey Bee (AP22PPQF0000C450)

Note 10: Floodplain Management Program (Line 12) included EVFC, EVFE, CAP, CTP, and FEM in FY20 and FY21 but for FY22 it only includes CAP and CTP

Table 15—Maryland, State Programs

(Budget authority in thousands)¹	FY 2020	FY 2021	FY 2022	FY 2023
Department of Agriculture				
Agricultural Land Preservation (MALPF-Capital/PAYGO included)	47,077	44,413	47,788	70,891
Ag BMP Technical Assistance (General Funds)	3,360	3,364	3,140	3,285
Animal Waste Technology (Capital Bonds)	165	120	0	0
BMP Tech Assistance to Farmers (GF)	8,053	7,868	7,887	7,948
Cost Share for BMP Capital Projects	8,500	8,000	5,000	2,000
Cover Crop -SF	11,479	14,200	14,200	16,991
Manure to Energy Projects (SF MEA)	2,240	0	0	0
Manure Transport-Poultry (GF)	281	281	252	263
Poultry Litter Transportation (SF)	524	581	583	683
Urban Nutrient Mgmt (SF)	121	184	192	214
Department of the Environment				
Capital Programs				
WWTP upgrades - SRF (non-federal)	88,837	119,286	138,388	118,944 ⁴
ENR Upgrades (BRF Funds)	70,000	75,000	75,000	78,056
Septic System Upgrades (statewide)	15,000	15,000	15,000	15,000
Operating Programs				
Wetlands	6,213	5,873	5,928	6,849
Compliance	5,658	5,845	6,369	8,256
Wastewater Permits	3,590	3,414	3,336	3,298
Integrated Water Planning Program	1,906	2,170	2,135	2,239
Sediment, Stormwater and Dam Safety	3,002	2,556	2,952	3,119
Engineering and Capital Projects Program	1,786	1,940	1,855	2,694
Water Quality Financing (operating)	2,428	2,623	2,538	2,695
ENR O&M Grants	7,000	8,000	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	10,000	20,000	20,000
Department of Natural Resources				
Forest Service	9,722	13,363	9,490	12,406
Wildlife & Heritage Service	977	877	704	713

Critical Area Commission	2,101	2,145	2,097	2,396
Resource Assessment Service	6,802	7,310	7,832	8,425
Maryland Environmental Trust	604	493	636	813
Chesapeake & Coastal Service	54,703	48,714	50,411	47,567
Fisheries Service	5,066	4,964	6,729	8,751
Capital Funds (GO Bonds)				
Oyster Restoration	2,610	8,730	260	13,620
Coastal Resiliency	3,085	4,160	4,160	0
Department of Planning				
Planning Services	3,898	4,955	4,291	4,693
Department of Transportation²				
	190,783	87,904	38,311	38,062
Total, Maryland, State Programs	579,070	515,833	489,964	513,371

¹ Does not include reimbursable funds

² Most transportation projects undertaken in MD require stormwater management and mitigation for impacts to wetlands, forests and the Critical Area. A significant amount of mitigation costs represents transportation dollars spent specifically to support Bay restoration through living resources, water quality and habitat improvements. Transportation dollars do NOT represent Purple Line promised funding.

³ Funds are based on state FY (July 1- June 30) e.g., FY22 July 1 2021- June 30 2022

⁴Includes a 4.3M match to IJJA

Table 16—Maryland, Federal Funds Received

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2020	FY 2021	FY 2022	FY 2022 IJJA Allocation
Maryland Department of Agriculture						
Watershed Implementation Program, Nutrient Management, Resource Conservation Grants*	EPA	66.466 CBRAP, 66.964 CB Program Implementation, Regulatory/Accounting & Monitoring Grants	2,093	2,004	1,968	0
Special Projects Research	USDA, NRCS	10.192 Environmental Quality Incentives Program	3	125	0	0
Department of the Environment						

Integrated Water Planning Program	USEPA	66.454 Water Quality Mgmt Planning	323	297	302	0
Water Quality RLF - Capital Funds	USEPA	66.458 Capitalization Grants for Revolving Funds	38,430	38,435	38,429	45,679
Integrated Water Planning Program	USEPA	66.460 Nonpoint Source Implementation Grant	2,275	2,095	2,133	0
Wetlands	USEPA	66.461 Wetlands Protection	207	194	197	0
Water and Science Administration	USEPA	66.466 Chesapeake Bay Program	2,059	1,923	1,887	0
Water and Science Administration	USEPA	66.605 Performance Partnership Grant	3,728	4,625	4,194	0
Sediment, Stormwater and Dam Safety	DHS/ FEMA	97.041 National Dam Safety Program	68	198	202	0
Wetlands	DHS/ FEMA	97.045 Cooperating Technical Partners	869	855	870	0
Department of Natural Resources						
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)	2,459	2,401	2,544	0
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	773	958	881	0
Resource Assessment Service	DOI	15.944 Dept. of the Interior 15.677 USF & W 15.657 MD Darter Surveys. 15.808 Geological Survey 15.810 USGS Statemap 15.814 National Geological and Geophysical Data	35	274	405	0
Monitoring	EPA	66.466 EPA-Chesapeake Bay Program - Monitoring	1,687	1,687	1,787	0
Chesapeake & Coastal Service	EPA	66.466 EPA-Chesapeake Bay Program - CBIG	4,065	3,698	3,517	3,212
National Coastal Management Program	NOAA CZM	11.419 - NOAA CZM	0	0	72	0
Fisheries Service	USF&WS	15.605 Sport Fish Restoration 11.463 Habitat Conservation	1,961	2,302	1,541	0
Department of Planning						
Planning			77	62	69	0
Total, Maryland, Federal Funds Received			61,112	62,133	60,998	48,891

Notes:

1: RCPP funding updates: zeroed out RCCP FFY21 funding for PP&D-there is no RCPP award for this program.

2: District Operations has been awarded a PPA for RCPP. Anticipate receiving a supplemental agreement for \$375K funding in September 2021. (MDA will need to process a budget amendment to add federal appropriation for this program).

Table 17—New York, State Programs

(Budget authority in thousands)	FY 2020	FY 2021	FY 2022	FY 2023
Department of Environmental Conservation (NYSDEC)				
Water Quality Improvement Projects (WQIP) grant program ¹	0	21,205	5,022	5,022
Engineering Planning Grant (EPG) program ²	339	50	211	211
Nonpoint Source Planning Grant (NPG) program ³	0	60	60	60
Department of Agriculture and Markets (NYSDAM)				
Agricultural Nonpoint Source Abatement & Control Grant Program (AgNPS) ⁴	4,926	3,400	3,600	3,600
Agricultural Environmental Management (AEM) Base Funding ⁵	810	2,800	1,292	1,292
Environmental Facilities Corporation (EFC)				
Green Infrastructure Grant Program (GIGP) ⁶	330	480	1,245	1,245
Total, New York, State Programs	6,405	27,995	11,430	11,430

- 1 WQIP is a state grant program for projects that address water quality problems. FY20 funding under this program was held due to COVID-19. FY21 is awarded amount. FY22 and FY23 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. FY20 and FY21 are awarded amounts. FY22 and FY23 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 first round was awarded in FY19 and a second round was awarded in FY21. FY20 funding under this program was held due to COVID-19. FY22 and FY23 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. FY20 and FY21 AgNPS amount reported by NYSDAM in NY's 2020-2021 Programmatic Milestones. FY22 and FY23 is an estimate based on average awards made in prior AgNPS rounds.
- 5 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. FY20-21 AEM amounts reported by NYSDAM in 2020-2021 Programmatic Milestones. FY22 and FY23 values are estimates based on funds earned in prior AEM Base program years.
- 6 GIGP is a grant program for stormwater BMPs that provide stormwater treatment, habitat, flood attenuation and other benefits. FY20 and FY21 are awarded amounts. FY22 and FY23 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 2020	FY 2021	FY 2022	FY 2022 IIJA Allocation
Department of Environmental Conservation, Division of Water						
Chesapeake Bay Watershed Program	EPA	Chesapeake Bay Regulatory and Accountability Program Grant	963	920	876	0
Chesapeake Bay Watershed Program	EPA	Chesapeake Bay Implementation Grant	1,234	1,234	1,236	0
Chesapeake Bay Watershed Program	EPA	Local Government Funding (via CBIG)	450	450	450	0
Chesapeake Bay Watershed Program	EPA	WIP Assistance	60	0	0	0
Chesapeake Bay Watershed Program	EPA	EPA Region 2 Funding	179	179	179	0
Chesapeake Bay Watershed Program	EPA	Most Effective Basins Funding	80	205	205	0
Chesapeake Bay Watershed Program	EPA	IIJA	0	0	0	1,290
Total, New York, Federal Funds Received			2,966	2,987	2,945	1,290

Table 19—Pennsylvania, State Programs

(Budget Authority in thousands)	FY 2020	FY 2021	FY 2022	FY 2023
Department of Environmental Protection				
Growing Greener/ Environmental Stewardship Fund (ESF) ¹	27,906	15,059	17,656	17,000
Water Pollution Control (Section 106; Section 106 Supplemental; Section 604(b)) ²	9,640	10,093	7,460	9,727
Agriculture Plan Reimbursement Program	681	840	0	0
Chesapeake Bay Implementation	0	0	0	0
Program Management and Administration ³	0	101	19	50
Chesapeake Bay Regulatory and Accountability	0	0	0	0
Chesapeake Bay Agricultural Nonpoint Source Abatement ⁴	4,813	3,886	2,208	3,500
Non-Tidal Monitoring Network ²	0	664	472	571
Chapter 102 - Construction Stormwater (E&S, PCSM, NPDES) Program Implementation and Administration ^{2, 5, 6}	2,933	3,972	2,062	4,505
Chapter 105 - WOE and Dam Safety Program Implementation and Administration ^{2, 7}	52,398	43,301	45,343	47,491
Chesapeake Bay Commission	300	300	325	325
State Conservation Commission				
Conservation District Fund Allocation Program	2,298	2,265	2,273	4,852
Dirt, Gravel and Low Volume Road Program	16,790	14,600	15,000	15,000
Nutrient Management Program	1,548	1,591	1,533	1,715
Resource Enhancement and Protection Program	10,900	8,520	9,250	9,490
Conservation Excellence Grant	0	2,000	2,000	2,000
Agri-Link	0	0	361	183
Department of Agriculture				
Farmland Preservation	20,000	19,341	20,000	20,000
Pennsylvania Infrastructure Investment Authority				
Project Construction and Implementation	15,590	18,340	22,325	25,000
Department of Community and Economic Development				
Watershed Restoration and Protection Program (Act 13) ⁸	1,713	1,036	0	0
Department of Conservation and Natural Resources				
Land Conservation	711	3,290	14,135	11,782
Riparian Buffers (PennVest Funding)	279	0	0	0
Riparian Buffers (DCNR) ^{9, 10}	1,195	600	1,664	4,783

Tree Canopy (TreeVitalize Program) ^{11, 12, 13}	60	113	208	1,335
Lawn Conservation (Conservation Landscaping and Urban Forest Planting)	72	150	90	375
PA Fish and Boat Commission				
Chesapeake Bay Implementation ^{14, 15}	133	636	733	900
State Wildlife Grants ^{14, 15, 16}	200	190	328	277
Anadromous Fish Restoration ^{14, 15}	56	30	23	150

Total, Pennsylvania, State Programs	170,217	150,918	165,467	179,684
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Note 1: Amounts awarded are based on projects approved; an estimation can be performed based upon budgeted amounts. FY2022 and FY2023 are estimated.

Note 2: Expended funds calculated at 49% of the total statewide expenditures because the Chesapeake Bay Watershed makes up approximately 49% of Pennsylvania. FY2022 expenditures are equivalent to 9 months.

Note 3: Beginning FY21, match is provided by General Fund (10381); FY2022 expenditures equivalent to 9 months

Note 4: FY19 Chesapeake Bay Agricultural Source Abatement funded via ESF; FY2022 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: FY22 and FY23 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. FY22 applications are being accepted through July 31, with awards anticipated Spring 2023. 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 FY22 and FY23 cannot be provided.

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

Note 10: Added 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: Added state-funded 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 2020	FY 2021	FY 2022	FY 2022 IIJA Allocation
Department of Environmental Protection						
Nonpoint Source Program	EPA	Section 319 Nonpoint Source Program ¹	4,847	4,978	4,978	0
Water Pollution Control	EPA	Section 106 Grant ²	3,574	1,626	8,002	0
Water Pollution Control	EPA	106 Supplemental Grant ²	53	42	188	0
Monitoring, Assessment, and Planning	EPA	Section 604(b) ²	235	145	363	0
Chesapeake Bay Implementation	EPA	Chesapeake Bay Implementation Grant ³	5,037	1,860	1,895	0
Chesapeake Bay Implementation	EPA	DEP - Chesapeake Bay IIJA MEB	0	0	0	1,800
Chesapeake Bay Regulatory and Accountability	EPA	Chesapeake Bay Regulatory and Accountability Grant ⁶	2,667	3,163	3,411	0
Chesapeake Bay Regulatory and Accountability	EPA	WIP	0	0	0	0
Chesapeake Bay Regulatory and Accountability	EPA	MEB	300	550	250	0
Chesapeake Bay Regulatory and Accountability	EPA	Water Division	100	210	100	0
Non-Tidal Monitoring Network	EPA	Monitoring	471	471	571	0
Department of Conservation and Natural Resources, Bureau of Forestry						
Land Conservation	USDA, Forest Service	Forest Legacy Program ⁴	0	0	0	0
Riparian Forest Buffer Initiative	USDA, Farm Service Agency	Riparian Forest Buffer Initiative	0	234	234	0
Riparian Forest Buffer Initiative	EPA	Chesapeake Bay Implementation Grant ⁵	685	0	0	0
Riparian Forest Buffer Initiative	NFWF	Penns Woods and Meadows ⁷	0	0	1,000	0
Riparian Forest Buffer Initiative	EPA	DCNR - Chesapeake Bay IIJA MEB	0	0	0	3,000
Pennsylvania Infrastructure Investment Authority						
Program Administration and Oversight /2	EPA	SRF	1,039	1,131	1,283	0

Construction and Implementation	EPA	SRF	64,620	124,283	41,901	0
Pennsylvania Department of Agriculture						
Farmland Preservation - Ag BMP Implementation	USDA, NRCS	RCPP	2,400	2,294	4,000	0
Farmland Preservation - Conservation Easement	USDA, NRCS	ACEP	257	762	238	0
	EPA	Ag/SCC - Chesapeake Bay IJJA MEB	0	0	0	798
Pennsylvania Fish and Boat Commission						
Habitat Management	EPA	Chesapeake Bay Implementation Grant ⁸	478	492	472	0
State Wildlife Grants	USFWS	Wildlife & Sportfish Restoration ⁹	247	261	254	0
Anadromous Fish Restoration	NOAA	National Marine Fisheries Service ⁸	169	168	178	0
Total, Pennsylvania, Federal Funds Received			87,179	142,672	69,319	5,598

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 2020	FY 2021	FY 2022	FY 2023
Virginia Marine Resources Commission				
Oyster Replenishment/Restoration	4,000	4,000	4,000	4,000
Oyster Reef Restoration- Capital Funding	0	10,000	0	0
Virginia Department of Environmental Quality¹				
Water Quality Improvement Fund point source grants	274	3,815	4,182	20,000
Water Quality Improvement Fund non-point source grants	1,170	885	66	193
Clean Water SRF	17,221	25,309	40,923	27,177
Stormwater Local Assistance grants	8,574	4,522	3,613	9,655
Stormwater Management	6,204	5,994	5,280	6,034
Water Quality Management	15,466	15,770	18,841	21,591
Air Quality	10,318	9,168	10,165	11,872
Land Management	5,058	4,527	5,103	5,741
Superfund	1,808	1,974	1,625	3,083
Petroleum Remediation	17,015	16,665	17,513	20,599
Litter Control and Recycling	1,401	1,469	1,994	2,117
CSOs, including Lynchburg, Richmond, and Alexandria	44,929	0	23,015	30,000
Virginia Department of Wildlife Resources²				
Nongame & Endangered Species Conservation	1,517	2,204	4,148	6,062
Invasive Species	85	71	29	29
Habitat Management & Enhancement	490	449	2,807	3,353
Land Acquisition and Protection	4	96	1,009	10,000
Recreational Hunting	605	983	2,692	1,279

Recreational Fishing	521	527	2,345	2,659
Recreational Boating Access	150	115	376	562
Virginia Department of Agriculture and Consumer Services³				
Agricultural Stewardship Program	259	235	292	319
Agricultural Commodities Program	0	0	120	95
Virginia Department of Forestry				
Timber Harvest Inspection Program	670	657	642	650
Virginia Department of Conservation and Recreation⁴				
50301- Soil and Water Conservation	3,360	3,374	4,197	229,068
50320- Financial Assistance to Soil and Water Conservation Districts	5,055	5,400	5,515	8,293
50322- Technical Assistance to Soil and Water Conservation Districts	7,041	4,696	6,744	4,095
50323- Agricultural Best Management Practices Cost Share Assistance	35,120	29,826	43,938	6,090
50314- Dam Inventory, Evaluation and Classification and Flood Plain Management ⁵	6,850	20,596	60,621	86,867
50317- Natural Heritage Preservation and Management ⁶	3,047	3,194	3,918	4,359
50401- Preservation of Open Space Lands ⁷	5,348	12,175	13,555	18,050
50403- Design and Construction of Outdoor Recreational Facilities	621	629	626	746
50404- State Park Management and Operations ⁸	683	590	266	50
50406- Natural Outdoor Recreational and Open Space Resource Research, Planning, and Technical Asst. ⁹	645	1,124	1,516	15,305
59901- General Administration Management for Chesapeake Bay Program Activities	7,928	6,825	7,096	7,769
Virginia Department of Transportation				
MS4/Chesapeake Bay TMDL Special Condition	15,218	22,256	11,645	7,500
Total, Virginia, State Programs	228,655	220,119	310,416	575,262

¹ 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 2022 and FY 2023 amounts and estimates are preliminary

²Funding estimated 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.

³ Amounts estimated for the Chesapeake Bay Watershed from statewide program funding totals.

⁴ Soil and Water Conservation- 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%, including Regional Greenhouse Gase Initiative Funds. Includes 47% of Dam Rehabilitation Project Funding.

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%.

⁵ Public Safety, Erosion Control, Climate resiliency, Water Quality. Total program costs allocated based on statewide bay land area 70%, to include Regional Greenhouse Gas Initiative Funds.

⁶ 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%.

⁷ 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%.

⁸ 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.

⁹ 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%.

Table 22—Virginia, Federal Funds Received

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2020	FY 2021	FY 2022	FY 2022 IJJA Allocation
Virginia Marine Resources Commission						
Oyster Restoration-Replenishment ¹	NOAA	Fisheries Habitat Conservation Program	540	540	540	50
Virginia Department of Environmental Quality²						
Virginia Revolving Loan Program	EPA	EPA SRF	32,521	32,518	23,680	38,338
Chesapeake Bay Regulatory & Accountability Program	EPA	EPA CBRAP	3,899	3,479	3,459	0
Chesapeake Bay Implementation Grant	EPA	EPA CBIG	3,025	2,942	2,659	0
Chesapeake Bay Program Most Effective Basins	EPA	EPA CB MEB	0	1,110	1,360	3,150
PPG 106 Water	EPA	EPA 106	2,675	2,212	2,150	0
PPG 105 Air	EPA	EPA 105	1,729	1,792	1,729	0
Nonpoint Source Program	EPA	EPA 319(h)	1,125	1,604	1,051	0
Coastal Zone Management Program	NOAA	NOAA CZM	2,126	1,695	1,612	150
Chesapeake Bay Monitoring	EPA	EPA 117(e)	1,392	1,392	1,392	0
DOD Federal Facilities	Department of Defense	Department of the Army, Corps of Engineers	577	1,232	684	0
PPG RCRA	EPA	EPA RCRA	1,356	1,286	1,276	0
Leaking Underground Storage Tank	EPA	EPA LUST	796	849	837	0
Leaking Underground Storage Tank Prevention	EPA	EPA LUST Prevention	416	424	400	0
PM 2.5 Air Monitoring Program	EPA	EPA PM 2.5	293	293	293	0
Section 103 Air (ARPA)	EPA	EPA 103 (ARPA)	0	0	297	0
Water Quality Management Planning	EPA	EPA WQM 604(b)	328	329	197	387

DERA Project	EPA	EPA State Grants: Diesel Emissions Reduction Act (DERA)	196	212	212	0
Wetlands	EPA	EPA Region 3 Wetland Program Development Grants	105	91	200	0
Pre-remedial Response (Preliminary Assessment / Site Inspection - PASI)	EPA	EPA Superfund (Site Specific)	0	0	0	0
FUDS	EPA	EPA Superfund Site Specific	0	0	0	0
Superfund Core Program	EPA	EPA Superfund Core	385	0	0	0
106 Disaster Relief	EPA	EPA 106 Disaster Relief	189	0	0	0
Superfund: Atlantic Wood	EPA	EPA Superfund (Site Specific)	138	0	0	0
PPG Multipurpose	EPA	EPA Multipurpose	112	79	55	0
Community Scale Monitoring	EPA	EPA CSATM	0	247	53	0
Environmental Justice (ARPA)	EPA through State Appropriation	EPA SEJCA	0	0	120	0
CSO State Appropriation (ARPA)	EPA through State Appropriation	EPA CSO State (ARPA)	0	0	225,000	0
Virginia Department of Wildlife Resources³						
Nongame & Endangered Species Conservation	USFWS	Wildlife & Sport Fish Restoration Program	851	460	507	0
Nongame & Endangered Species Conservation	USFWS	Cooperative Endangered Species Conservation	32	99	98	0
Nongame & Endangered Species Conservation	NOAA	Cooperative Endangered Species Conservation	180	18	61	0
Nongame & Endangered Species Conservation	USFWS	State Wildlife Grants	640	186	428	0
Invasive Species	USFWS	Wildlife & Sport Fish Restoration Program	75	33	22	0

Habitat Management & Enhancement	USFWS	Wildlife & Sport Fish Restoration Program	1,470	1,347	2,106	0
Land Acquisition/Protection	USFWS	Wildlife & Sport Fish Restoration Program	2,623	96	757	0
Recreational Hunting	USFWS	Wildlife & Sport Fish Restoration Program	1,816	2,950	2,019	0
Recreational Fishing	USFWS	Wildlife & Sport Fish Restoration Program	1,563	1,580	1,759	0
Recreational Boating Access	USFWS	Wildlife & Sport Fish Restoration Program	452	344	282	0
Virginia Department of Forestry						
Chesapeake Bay Program	Forest Service	10.675 Tree Canopy	25	0	0	0
Chesapeake Bay Program	Forest Service	10.678 Buffer Enrollment	115	70	146	147
Virginia Department of Conservation and Recreation						
Soil and Water Conservation ⁴	EPA	319, CBIG and CBRAP	2,192	2,241	2,133	0
Dam Inventory, Evaluation and Classification and Flood Plain Management ⁵	FEMA	CTP, CAP-SSE and Dam Safety	231	506	306	0
State Park Management and Operations ⁶	NPS & USFWS/ACOE	Chesapeake Bay Access	44	0	50	0
Natural Outdoor Recreational and Open Space Resource Research, Planning, and Technical Assistance ⁷	NPS & USFWS	Land Conservation and East Coast Greenway	2,981	4,202	7,180	0
Total, Virginia, Federal Funds Received			69,211	68,458	287,112	42,222

¹ Partnership with the Virginia Institute of Marine Science (VIMS), and Chesapeake Bay National Estuarine Research Reserve (CBNERR) proposes to restore 100 acres of new oyster reef habitat over a three-year period for the benefit of federally managed fish species, forage species, native oysters and ecosystem services. This is a 4-year grant with funds approved one year at a time. The total of the four-year grant is estimated at \$3,004,439).

²VADEQ 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

³ 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.

⁴ 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%.

⁵ Public Safety, Erosion Control, Climate resiliency, Water Quality. Total program costs allocated based on statewide bay land area 70%.

⁶ 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.

⁷ 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%.

Table 23—West Virginia, State Programs

(Budget authority in thousands)	FY 2020	FY 2021	FY 2022	FY 2023
Department of Environmental Protection				
CB Implementation Subrecipient state expenditures	1,287	1104	1,032	1141
CB Regulatory & Accountability Subrecipient state expenditures	194	85	95	125
NPDES permitting, compliance, enforcement (14.55% of statewide program) ¹	755	766	775	765
Monitoring and TMDL (14.55% of statewide program) ¹	284	299	213	265
SRF Wastewater Treatment Upgrades ²	0	1,993	376	0
319 Program Match	225	73	60	120
WV Farmland Preservation Program	0	7,105	3850	3000
Infrastructure and Jobs Development Council (IJD)				
Wastewater and CSO Projects	0	10,462	978	1310
Total, West Virginia, State Programs	2,745	21,887	7,379	6,726

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.

Table 24—West Virginia, Federal Funds Received

(Budget authority in thousands)	Federal Agency	Federal Program	FY 2020	FY 2021	FY 2022	FY 2022 IJJA Allocation
Department of Environmental Protection						
CB Implementation ³	EPA	CB Program	1,692	1,720	1,792	500
CB Regulatory & Accountability ³	EPA	CB Program	670	678	596	0
Water Pollution Control ^{1,3}	EPA	CWA 106 Program	286	306	306	0
Nonpoint Source 319 Program	EPA	CWA 319	0	348	30	0
CB Non-Tidal ³	EPA	CB Program	210	210	210	0
SRF Wastewater Treatment Upgrades ²	EPA	CWSRF	0	28	0	0
WQ Management Planning ^{1,3}	EPA	604(b) WQ Management Planning	24	61	136	214
WV Farmland Preservation Program	USDA NRCS	Farm and Ranch Lands Protection Program	0	618	457	0
Total, State of West Virginia			2,882	3,969	3,527	714

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 FY2020 through FY 2022 these show the total federal award amounts for the fiscal year or at 14.55% of that total federal award amount for the fiscal year for the statewide grants (rounded to nearest thousands). For FY21 and FY22, the state of WV is providing the amounts the state requested or that was awarded by EPA. The following caveats explain the data in the FY22 column below. CBIG- FY22 amendment at 1792k total (not yet awarded); CBRAP- FY22 amendment at 596k total (not yet awarded); 106 WPC- FY22 2102k for FY22 (awarded). We are using 14.55% of the 2102k to represent the CB counties; CBNT FY21- 210k for FY22 (awarded); 604b WQMP FY21-22 awarded 500k. We had specific subawards that are within the CB area so that total is included. DEP personnel budget categories were shown at 14.55% of the total (minus those projects that are within the CB area). 604(b) WQMP FY22 IJJA- State allocation is 477k for FY22. We have potential projects within the CB area so that total is included. DEP personnel budget categories were shown at 14.55% of the total allocation of 477k minus those projects that are within the CB area.