

BAY RESTORATION FUND ADVISORY COMMITTEE

Maryland Department of the Environment

Join by phone

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And Keep Your Phone Muted Unless Speaking

July 14, 2022

1:00 p.m. to 3:00 p.m.

Meeting Agenda

- Introduction – Chris Murphy, Acting Committee Chairman
- Approve previous meeting minutes – Chris Murphy, Acting Committee Chairman
- Update on Major and Minor WWTPs ENR Implementation – Walid Saffouri, MDE
- Update on Cover Crops Activities – Jason Keppler, MDA
- Update on Onsite Sewage Disposal Systems (OSDS) – Jeffrey Fretwell, MDE
- Update on BRF Fee Collection and Budget – Jeffrey Fretwell, MDE
- Draft Clean Water and Drinking Water Intended Use Plans – Jeffrey Fretwell, MDE
- Update on Clean Water Commerce Act – Jeffrey Fretwell, MDE
- Next meetings and other administrative issues to be discussed with the committee – Chris Murphy, Acting Committee Chairman
- 2022 Next Pre-Scheduled Meeting: Thursday, October 13, 2022
- ADJOURNMENT

BAY RESTORATION FUND ADVISORY COMMITTEE

Maryland Department of the Environment

Virtual Meeting

April 14, 2022

Meeting Minutes

Welcome/Introduction

- The meeting was opened by Mr. Chris Murphy, Acting Chairman of the Bay Restoration Fund Advisory Committee.
- Mr. Murphy welcomed the committee members and other attendees.

Review of Meeting Minutes

- Previous meeting minutes, from the January 13th meeting, were shared with the committee members for their review and comments. An electronic copy of the meeting minutes was also e-mailed to the committee members prior to the meeting.
- Mr. Murphy asked if anyone had any questions, comments, or a motion to approve. The minutes were approved, and they will be posted on the web.

Discussion

I. Update on Major and Minor WWTPs ENR Implementation:

- Mr. Saffouri provided an update on major WWTPs. Hampstead WWTP upgrade was completed on April 7, 2022. Currently, there are only one WWTP under construction (Westminster) and one is in planning (Princess Anne).
- Mr. Saffouri added that there are more activities on the minor WWTPs side. Cheltenham withdrew their funding request. College of Southern Maryland, Middletown, Point Lookout State Park, St. Clements Shores, and Hebron signed the funding agreement and started planning. Town of Secretary has completed the design and is in the bidding phase. Three WWTPs (Oxford, Preston, and Port Deposit) are at 99% construction, and they may be completed soon.

- Mr. Bozick informed the committee that Smith Island treatment plant is out for bids. Mr. Saffouri reminded the committee that Smith Island has been listed in the handout for while with construction 10% complete because part of the project (the elevated deck) has been completed. Now the main components of the treatment plant are in the bidding process.

II. Update on Cover Crops Activities:

- Mr. Keppler provided an update on the Cover Crops Program. The cover crop program had another successful year. There were approximately 1,340 applicants for the cover crop program this year. Approximately 436,000 acres of cover crops were planted last fall and have been certified by MDA. Currently, MDA is processing the spring claims for payments for approximately 400,000 additional acres. Of those, about 37,000 acres have been processed to date. So far, we are up about 3,000 acres from last year, which is a good thing. Also, MDA has allowed additional payments for delayed kill down again this year. Under the delayed kill down, farmers are encouraged to keep cover crops in the fields longer (at least until May 1st) to get an additional \$10 per acre. More information will be provided at the next meeting on this year's certifications, and the possible changes in the upcoming FY23 program based on the technical advisory committee recommendations.
- Mr. Myers asked what percentage of the 436,000 acres may have been mixed species. Mr. Keppler responded that he did not have this information at that time, but he would find out and provide the information back to the committee later.

III. Update on Onsite Sewage Disposal Systems (OSDS):

- Mr. Roberts provided a handout showing BAT upgrades and sewer connections. Mr. Roberts advised that MDE continues to move forward with BAT upgrades and sewer connection despite inflation impacts. MDE may be able to adjust BAT pricing effective July 1st. A lot of sewer connection projects are coming in between \$30,000 and \$40,000. On a policy level, one of the main items that MDE is trying to address is improving coordination between the county health departments and public works departments. We've recently received an application that was withdrawn, but it would have constructed a denied access sewer line past 88,000 properties that had been identified as priorities for sewer connection by the county public works without fully vetting the plan with the county health department. All those properties are in a prominent groundwater recharge area. Hence, we recognize that increased coordination, advisement, and technical assistance from us is necessary. We're beginning the process of hiring for a full-time dedicated septic program manager to assist with these projects. MDE made so much investment in these wastewater treatment plants and is trying to figure out how we can maximize the number of connections we can make to those plants to use the available capacity.

IV. Update on BRF Fee Collection and Budget:

- Mr. Roberts indicated that the Comptroller's Office did not provide any new report beyond the October report, which was presented at the last meeting. This has been an ongoing issue. Hopefully, we will have a new report at the next meeting.

V. Legislative Session (2022):

- Mr. Roberts advised the committee that effective July 1st, the Maryland Water Quality Financing Administration will be known as the Maryland Water Infrastructure Financing Administration. This is not just a name change, but kind of a foundational shift in how we approach projects ranking and prioritization. The legislation allows for funding blue and green infrastructures, and carbon sequestration to be an additional benefit of water quality projects. The legislation also allows for pay-for-performance funding structure, which is similar to the Clean Water Commerce Act.
- Mr. Murphy asked whether the legislation is providing guidance on how to prioritize projects. Mr. Roberts responded that some of the prioritization has been wastewater treatment plant and TMDL centric. As the check is in the mail on nitrogen, now is the time to incorporate phosphorus, sediment, carbon, emerging contaminants, toxics, and heavy metals.
- Mr. Murphy asked about what the impact of the BRF fee reduction (in 2030) would be on these efforts. Mr. Roberts responded that we have time to make some progress under this new structure.
- Mr. Myers agreed that if we can quantify benefits across several different public-serving, not only does the cost-effectiveness of every dollar go up, but also, we could attract leveraging dollars from private sources who are also part of these markets, whether it will be carbon or nutrients or whatever else. Ms. Lewis added that this is a step in the right direction, and it is where we need to be going in the future.
- Mr. Murphy asked whether MDE will have the draft plans and new priority system available at the next committee meeting. Mr. Roberts responded that the legislation takes effect July 1st. MDE should have the final plans ready before the December and January funding application cycle. MDE will seek input from every stakeholder and every technical expert we can find to help us figure this out. This is a massive overhaul of the system.
- Mr. Cohee added that the Conservation Finance Act (CFA) is impacting the DNR programs as well. Accordingly, DNR will have to rehaul some of its programs and the way we fund projects. Also, there is a lot of procurement requirement within CFA. Hence, MDE and DNR should find some time to discuss how to proceed with these changes. Mr. Roberts agreed.
- Mr. Gray stated that he was not sure whether there was any funding in the budget anywhere that

would allow DNR or MDE to explore these possibilities, and effectively use the funding along these new lines. Mr. Roberts and Mr. Cohee agreed that the Act does not provide any funding. However, there are things that will be needed such as third-party verification and other things that the agencies are currently not set up to do such as verifying different metrics and outputs.

- Mr. Gray asked whether there is an oversight group of some kind. Mr. Cohee responded that there is a blue and green infrastructure committee with a specific membership.
- Mr. Roberts also discussed SB-354, which limits the use of Bay Restoration Fund to residential. There is a massive need for trailer parks and campgrounds in rural areas.
- Mr. Bozick added that from a design engineering standpoint, we have come up with some innovative solutions in these rural areas. These facilities represent “rural central sewers.” They are central sewers, but they are rural as compared with urban central sewers. In the engineering field, there is going to be a distinction in the way design engineering and how the infrastructure is built. So centralized rural facilities are going to be distinctly different because they are not going to be built with the excess capacity that urban central sewers are built with. It is going to be somewhat of a new model in making the projects cost-effective. Mr. Roberts added that every environmental justice work group is concerned about the effects of urban sewer overflows. Mr. Murphy suggested that MDE should publicize projects that work well so that other jurisdictions can copy them.

VI. Back River and Patapsco Concerns:

- Mr. Gray asked whether there are any updates on Back River Wastewater Treatment Plant. Mr. Roberts responded that most the information he had are through what he has read in the newspaper.
- Mr. Murphy asked whether the ENR funded upgrades were down or other non-ENR processes. Mr. Roberts responded that MDE funded everything at Back River, and this situation was unprecedented.
- Mr. Myers asked that since that Back River and Patapsco are the largest two plants in the state and both were expected to achieve 3 mg/l in total nitrogen, would anyone be recalculating the load input into the Chesapeake Bay and the impact on the statewide Bay restoration efforts and WIP. Also, are those expected load reductions credits, being traded for either Baltimore City or Baltimore County MS-4s, still be honored if that performance isn’t well below the 3 mg/l. Mr. Roberts responded that he didn’t know the answer to this question. Mr. Murphy suggested that somebody from the state should brief the committee regarding this issue at the next meeting.
- Mr. Bozick stated that we are aware of the severe shortage in qualified operators in rural areas, but he was really surprised that crisis in quality and quantity of operators also affects large plants as

well. Mr. Roberts agreed that operators were at the heart of this issue.

- Mr. Bozick suggested that part of the solution to the operators' shortage could be automation. Especially in small rural communities, plants can be designed to be more automated, taking advantage of this fourth industrial revolution and the internet capabilities, videos, and streaming capabilities where we can sort of centralize the operation where we can remotely see and monitor these plants effectively. Mr. Roberts added that we also need to train people on how to operate SCADA systems. Ms. Lewis agreed and added that we could be dropping some major technology into rural areas that don't have the pay scale you would have in large cities.
- Mr. Myers reminded everybody that based on the inspection reports, the operational problems at Back River and Patapsco were happening at the very beginning of the process, such as cleaning up the grit separators, and skimming the scum off the primary settling tank, which does not require huge amounts of technical expertise, but it does require people to do their jobs. The training might be needed in the management skills as much as the technical aspects.

VII. Mr. Murphy reminded the Committee members that the next meeting will be held on July 14, 2022.

Materials Distributed at the Meeting

- Meeting Agenda
- Previous Meeting Minutes
- Wastewater Treatment Plants ENR Upgrade Status
- BRF Septic Program Funded Installations
- Distribution of Bay Restoration Fee Through February 28, 2022
- Senate Bill 348
- Senate Bill 354

Attendance

Advisory Committee Members or Designees Attending:

Chris Murphy, BRF Advisory Committee Acting Chairman
Secretary David Brinkley, Maryland Department of Budget and Management
Fiona Shirk, Maryland Department of Budget and Management
Michael Roberts, Maryland Department of the Environment
Walid Saffouri, Maryland Department of the Environment
Bob Buglass, Washington Suburban Sanitary District
Gabe Cohee, Department of Natural Resources
Jason Keppler, Maryland Department of Agriculture
Zack Dreyer, Maryland Department of Planning
Doug Myers, Chesapeake Bay Foundation
Cheryl Lewis, Town of Oxford/MML

Others in Attendance:

Andrew Gray, Department of Legislative Services
Julie Pippel, Lanco-Pennland
Peter Bozick, George, Miles & Buhr
Mary Sheppard, Office of Attorney General
Chris Endryas, RK&K
Doug Abbott, Easton Utilities
Ziwei He

Maryland Department of the Environment (MDE) Attendees:

Rajiv Chawla	Sunita Boyle
Susan Iaconangelo	Paul Emmart
Terri Wilson	Mary Norris

Wastewater Treatment Plants ENR Upgrade Status

(July 14, 2022)

Major WWTPs

Previous Meeting

65 facilities are in operation
1 facility is under construction
1 facility is in planning
67 total

Current

65 facilities are in operation
1 facility is under construction
1 facility is in planning
67 total

Status Changes from Previous Meeting:

- No changes in status.

Percentage completion for facilities under construction for ENR Upgrade:

Facility	Previous Meeting Percentage Complete	Current Percentage Complete
Westminster	78%	81%

Minor WWTPs

Previous Meeting

9 facilities are in operation
8 facilities are under construction
5 facilities are in design
13 facilities are in planning
35 total

Current

10 facilities are in operation
7 facilities are under construction
7 facilities are in design
11 facilities are in planning
35 total

Status Changes from Previous Meeting:

- Oxford completed the construction and is in operation.
- Rock Hall and St. Clements Shores progressed from planning to design.

Percentage completion for facilities under construction for ENR Upgrade:

Facility	Previous Meeting Percentage Complete	Current Percentage Complete
Preston	99%	99%
Port Deposit	99%	99%
Harbour View	91%	91%
Chesapeake City	68%	76%
Smith Island	10%	10%
Victor Cullen	37%	45%
Lewistown	10%	21%

BRF Septic Program
Funded Installations FY22 to Date
July 1, 2021- July 11, 2022

County	# Septic Systems funded FY 22	# Sewer Connections funded FY 22
Allegany (CVI)	0	3
Anne Arundel	168	10
Baltimore	21	15
Calvert	86	0
Caroline	22	0
Carroll (CVI)	7	2
Cecil	20	1
Charles	23	2
Dorchester	37	2
Frederick (CVI)	12	0
Garrett	2	0
Harford	13	0
Howard (CVI)	3	12
Kent	27	0
Montgomery (CVI)	8	1
Prince George's	0	0
Queen Anne's	72	59
Somerset	19	1
St. Mary's	56	0
Talbot	60	0
Washington (CVI)	9	0
Wicomoco	23	0
Worcester	0	0
Totals	688	108

Comptroller of Maryland
Distribution of Bay Restoration Fee
through June 30, 2022 - (Updated)

MD Dept of Environment			
Line 1:			
4/05 - 6/05:			
Total Fiscal Year 2005	\$ 7,022,667.18	Total Fiscal Year 2006	\$ 57,686,674.75
Total Fiscal Year 2007	\$ 69,141,379.76	Total Fiscal Year 2008	\$ 54,695,910.00
Total Fiscal Year 2009	\$ 53,339,463.89	Total Fiscal Year 2010	\$ 54,398,088.37
Total Fiscal Year 2011	\$ 55,461,809.59	Total Fiscal Year 2012	\$ 55,971,051.91
Total Fiscal Year 2013	\$ 102,145,356.32	Total Fiscal Year 2014	\$ 110,688,785.91
Total Fiscal Year 2015	\$ 109,796,411.58	Total Fiscal Year 2016	\$ 124,301,135.01
Total Fiscal Year 2017	\$ 115,989,051.47	Total Fiscal Year 2018	\$ 115,308,016.48
Total Fiscal Year 2019	\$ 107,545,498.54	Total Fiscal Year 2020	\$ 121,185,706.78
Total Fiscal Year 2021	\$ 98,087,149.34	Total Fiscal Year 2022	\$ 91,238,341.42

August 2021	\$ -	
September	-	
October	19,126,275.33	
November	-	
December	-	
January 2022	10,240,972.15	*Includes late payments for several quarters for CY 2021
January 2022	18,378,613.98	
Additional	13,403,850.92	Special Distribution for late payments for CY 2021
February	-	
March	-	
April	26,526,889.23	
May	-	
June	3,561,739.81	*Includes late receipts from 3rdQ FY22
July 2022 accrual	-	
Total FY 2022	\$ 91,238,341.42	

Program Grand Total \$ 1,504,002,498.30

Line 2:	MD Dept of Environment	MD Dept of Agriculture	Total Line 2
4/05 - 6/05			
Total Fiscal Year 2005	\$ 156,580.00	\$ 104,386.66	\$ 260,966.66
60% MDE 40% MDA			
Total Fiscal Year 2006	\$ 4,782,770.15	\$ 3,188,513.44	\$ 7,971,283.59
60% MDE 40% MDA			
Total Fiscal Year 2007	\$ 8,094,089.27	\$ 5,396,059.51	\$ 13,490,148.78
60% MDE 40% MDA			
Total Fiscal Year 2008	\$ 8,489,069.61	\$ 5,659,379.72	\$ 14,148,449.33
60% MDE 40% MDA			
Total Fiscal Year 2009	\$ 9,484,117.74	\$ 6,322,745.15	\$ 15,806,862.89
60% MDE 40% MDA			
Total Fiscal Year 2010	\$ 3,118,419.66	\$ 10,803,096.68	\$ 13,921,516.34
22.4% MDE 77.6% MDA			
Total Fiscal Year 2011	\$ 8,173,632.20	\$ 5,449,088.14	\$ 13,622,720.34
60% MDE 40% MDA			
Total Fiscal Year 2012	\$ 8,271,087.10	\$ 5,514,058.08	\$ 13,785,145.18
60% MDE 40% MDA			
Total Fiscal Year 2013	\$ 15,992,799.08	\$ 10,661,866.06	\$ 26,654,665.14
60% MDE 40% MDA			
Total Fiscal Year 2014	\$ 16,801,348.71	\$ 11,200,899.10	\$ 28,002,247.81
60% MDE 40% MDA			
Total Fiscal Year 2015	\$ 17,456,798.39	\$ 11,637,865.59	\$ 29,094,663.98
60% MDE 40% MDA			

Total Fiscal Year 2016 60% MDE 40% MDA	\$ 17,311,866.76	\$ 11,541,244.49	\$ 28,853,111.25
Total Fiscal Year 2017 60% MDE 40% MDA	\$ 17,113,840.66	\$ 11,409,227.10	\$ 28,523,067.76
Total Fiscal Year 2018 60% MDE 40% MDA	\$ 17,811,270.90	\$ 11,874,180.60	\$ 29,685,451.50
Total Fiscal Year 2019 60% MDE 40% MDA	\$ 16,883,720.52	\$ 11,255,813.67	\$ 28,139,534.19
Total Fiscal Year 2020 60% MDE 40% MDA	\$ 17,397,453.75	\$ 11,598,302.51	\$ 28,995,756.26
Total Fiscal Year 2021 60% MDE 40% MDA	\$ 16,989,802.10	\$ 11,326,534.72	\$ 28,316,336.82
Total Fiscal Year 2022 60% MDE 40% MDA	\$ 16,455,580.74	\$ 10,970,387.20	\$ 27,425,967.94

Fiscal Year 2021	60%	40%	Total	
August 2021	\$ -	\$ -	\$ -	-
September	-	-	\$ -	-
October	8,249,239.46	5,499,492.98	\$ 13,748,732.44	
November	-	-	-	-
December	-	-	-	-
January 2022	3,540,992.95	2,360,661.98	5,901,654.93	
February	-	-	-	-
March	-	-	-	-
April	4,665,348.33	3,110,232.24	7,775,580.57	
May	-	-	-	-
June	-	-	-	-
July 2022 accrual	-	-	-	-
Total FY 2021	\$ 16,455,580.74	\$ 10,970,387.20	\$ 27,425,967.94	(to date)

Program Grand Total	\$ 220,784,247.34	\$ 155,913,648.42	\$ 376,697,895.76
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Administrative cost recovery by Comptroller

FY 2005	\$ 44,941.58	FY 2014	120,303.41
FY 2006	52,122.42	FY 2015	152,674.27
FY 2007	57,482.53	FY 2016	158,749.94
FY 2008	57,777.62	FY 2017	158,735.88
FY 2009	46,721.16	FY 2018	168,013.19
FY 2010	112,654.00	FY 2019	188,999.78
FY 2011	59,098.66	FY 2020	219,425.05
FY 2012	94,566.86	FY 2021	212,919.00
FY 2013	102,423.14	FY 2022	116,208.59
		Program Grand Total	\$ 2,123,817.08

**Comptroller of Maryland
Revenue Administration Division
Bay Restoration Fee - By County
Program To Date as of April 30, 2022**

	<u>Sewer</u>	<u>Septic</u>	<u>Liability</u>	<u>Collection</u>	<u>Returns w/\$</u>	<u>Zero \$ Returns</u>	<u>Expenses Claimed</u>	<u>Expenses Paid</u>
100 Allegany	\$23,369,617	\$4,481,600	\$27,851,217	\$27,580,998	717	65	\$276,703	270,219
200 Anne Arundel	\$139,902,708	\$35,506,066	\$175,408,775	\$174,799,468	865	245	\$607,864	609,307
300 Baltimore County	\$187,130,098	\$3,260,896	\$190,390,994	\$190,375,094	222	113	\$15,901	15,900
400 Baltimore City	\$250,039,457	\$26,326,611	\$276,366,069	\$276,134,259	588	158	\$260,471	231,810
500 Calvert	\$6,185,406	\$22,555,166	\$28,740,572	\$28,357,497	560	37	\$410,553	383,075
600 Caroline	\$4,180,388	\$7,123,026	\$11,303,414	\$11,241,592	544	18	\$65,601	61,823
700 Carroll	\$16,966,701	\$36,671,986	\$53,638,687	\$53,366,685	795	119	\$566,738	272,002
800 Cecil	\$14,829,355	\$19,672,031	\$34,501,387	\$34,223,556	1514	135	\$361,095	277,831
900 Charles	\$32,075,514	\$14,585,002	\$46,660,516	\$46,470,255	1646	137	\$196,699	190,261
1000 Dorchester	\$7,835,261	\$9,146,004	\$16,981,265	\$16,682,517	495	113	\$340,935	298,748
1100 Frederick	\$53,304,561	\$23,548,424	\$76,852,985	\$76,676,120	878	230	\$2,317,647	176,865
1200 Garrett	\$4,276,595	\$6,338,569	\$10,615,164	\$10,513,375	315	44	\$101,753	101,789
1300 Harford	\$51,031,425	\$27,088,674	\$78,120,098	\$77,480,044	613	156	\$643,387	640,054
1400 Howard	\$79,126,285	\$13,551,065	\$92,677,350	\$92,604,003	332	83	\$76,012	73,348
1500 Kent	\$5,755,803	\$3,932,602	\$9,688,405	\$9,589,560	535	36	\$164,465	98,845
1600 Montgomery	\$13,926,171	\$12,012,007	\$25,938,178	\$24,826,671	533	110	\$2,125,620	1,111,507
1700 Prince George's	\$495,833,410	\$23,655,415	\$519,488,825	\$512,009,839	435	170	\$7,479,277	7,478,985
1800 Queen Anne's	\$9,833,652	\$8,550,812	\$18,384,465	\$17,910,014	444	123	\$482,421	474,450
1900 St. Mary's	\$4,330,654	\$4,204,268	\$8,534,922	\$8,167,272	205	7	\$466,086	367,650
2000 Somerset	\$13,354,888	\$23,510,887	\$36,865,775	\$36,783,394	425	84	\$84,314	82,381
2100 Talbot	\$10,549,538	\$6,902,848	\$17,452,386	\$17,370,421	685	14	\$115,797	81,965
2200 Washington	\$34,196,875	\$15,465,296	\$49,662,171	\$49,403,883	738	20	\$289,487	258,288
2300 Wicomico	\$16,138,408	\$22,181,570	\$38,319,978	\$37,869,464	780	116	\$440,000	450,514
2400 Worcester	\$23,762,832	\$6,717,585	\$30,480,417	\$29,924,851	543	93	\$1,030,296	555,567
Undesignated	\$243,019	\$518,380	\$761,399	\$712,890	131	239	\$57,776	48,509
Total	\$ 1,498,178,620.72	\$ 377,506,791.87	\$ 1,875,685,412.59	\$ 1,861,073,721.96	15,538	2,665	\$ 18,976,898.63	\$ 14,611,690.63

Note - Some facilities may cross county lines in the performance of services. For example, the Washington Suburban Sanitary Commission is headquartered in Prince George's County and, as such, revenue collected by them is reported under Prince George's County. However, the Commission performs services in more than one county.

**Comptroller of Maryland
Revenue Administration Division
Bay Restoration Fee - By County
Tax Year 2022 returns received as of April 30th for periods ending March 31st**

	<u>Sewer</u>	<u>Septic</u>	<u>Liability</u>	<u>Collection</u>	<u>Returns w/\$</u>	<u>Zero \$ Returns</u>	<u>Expenses Claimed</u>	<u>Expenses Paid</u>
100 Allegany	\$490,961	\$88,979	\$579,940	\$578,662	7		\$1,278	\$1,278
200 Anne Arundel	\$2,868,833	\$281,776	\$3,150,609	\$3,141,947	12	1	\$8,517	\$8,661
300 Baltimore County	\$0	\$30,113	\$30,113	\$30,113	2		\$0	\$0
400 Baltimore City	\$5,672,503	\$698,322	\$6,370,825	\$6,370,714	5	4	\$175	\$111
500 Calvert	\$109,233	\$162,003	\$271,236	\$262,789	5		\$9,947	\$8,447
600 Caroline	\$52,219	\$43,987	\$96,207	\$94,942	6		\$1,344	\$1,265
700 Carroll	\$307,505	\$330,105	\$637,610	\$632,675	12	1	\$12,536	\$4,935
800 Cecil	\$322,543	\$97,162	\$419,705	\$414,859	14	2	\$6,822	\$4,846
900 Charles	\$683,471	\$62,403	\$745,874	\$741,382	21		\$4,589	\$4,492
1000 Dorchester	\$139,489	\$80,227	\$219,716	\$213,198	6	2	\$4,548	\$6,518
1100 Frederick	\$1,263,053	\$122,938	\$1,385,992	\$1,382,635	12	2	\$36,248	\$3,357
1200 Garrett	\$69,365	\$35,691	\$105,056	\$103,615	4		\$1,440	\$1,440
1300 Harford	\$999,804	\$159,466	\$1,159,270	\$1,151,462	9	1	\$7,808	\$7,808
1400 Howard	\$1,559,696	\$64,798	\$1,624,494	\$1,624,095	3		\$384	\$399
1500 Kent	\$120,075	\$9,621	\$129,697	\$128,078	6		\$9,388	\$1,619
1600 Montgomery	\$303,566	\$51,133	\$354,698	\$342,834	6	2	\$41,861	\$11,864
1700 Prince George's	\$9,965,516	\$224,925	\$10,190,440	\$9,687,675	5	4	\$502,764	\$502,765
1800 Queen Anne's	\$206,943	\$35,563	\$242,506	\$233,245	7	1	\$9,761	\$9,261
1900 St. Mary's	\$90,996	\$35,450	\$126,446	\$123,453	3		\$3,506	\$2,993
2000 Somerset	\$67,300	\$328,983	\$396,283	\$394,846	3		\$990	\$1,437
2100 Talbot	\$153,472	\$1,470	\$154,943	\$154,088	7		\$1,588	\$855
2200 Washington	\$250,993	\$48,608	\$299,601	\$297,553	8		\$2,912	\$2,048
2300 Wicomico	\$278,008	\$222,427	\$500,434	\$497,982	8	1	\$2,351	\$2,452
2400 Worcester	\$362,458	\$44,732	\$407,190	\$398,622	7		\$25,530	\$8,568
Undesignated	\$0	\$7,475	\$7,475	\$7,406	7	5	\$50	\$69
Total	\$ 26,338,000.69	\$ 3,268,357.72	\$ 29,606,358.41	\$ 29,008,870.11	185	26	\$ 696,339.61	\$ 597,488.30

Note - Some facilities may cross county lines in the performance of services. For example, the Washington Suburban Sanitary Commission is headquartered in Prince George's County and, as such, revenue collected by them is reported under Prince George's County. However, the Commission performs services in more than one county.

**Comptroller of Maryland
Revenue Administration Division
Bay Restoration Fee - By County
Returns received for First Quarter Calendar Year 2022 as of April 30, 2022**

	<u>Sewer</u>	<u>Septic</u>	<u>Liability</u>	<u>Collection</u>	<u>Returns w/\$</u>	<u>Zero \$ Returns</u>	<u>Expenses Claimed</u>	<u>Expenses Paid</u>
100 Allegany	\$490,961	\$88,979	\$579,940	\$578,662	7		\$1,278	\$1,278
200 Anne Arundel	\$2,868,833	\$281,776	\$3,150,609	\$3,141,947	12	1	\$8,517	\$8,661
300 Baltimore County	\$0	\$30,113	\$30,113	\$30,113	2		\$0	\$0
400 Baltimore City	\$5,672,503	\$698,322	\$6,370,825	\$6,370,714	5	4	\$175	\$111
500 Calvert	\$109,233	\$162,003	\$271,236	\$262,789	5		\$9,947	\$8,447
600 Caroline	\$52,219	\$43,987	\$96,207	\$94,942	6		\$1,344	\$1,265
700 Carroll	\$307,505	\$330,105	\$637,610	\$632,675	12	1	\$12,536	\$4,935
800 Cecil	\$322,543	\$97,162	\$419,705	\$414,859	14	2	\$6,822	\$4,846
900 Charles	\$683,471	\$62,403	\$745,874	\$741,382	21		\$4,589	\$4,492
1000 Dorchester	\$139,489	\$80,227	\$219,716	\$213,198	6	2	\$4,548	\$6,518
1100 Frederick	\$1,263,053	\$122,938	\$1,385,992	\$1,382,635	12	2	\$36,248	\$3,357
1200 Garrett	\$69,365	\$35,691	\$105,056	\$103,615	4		\$1,440	\$1,440
1300 Harford	\$999,804	\$159,466	\$1,159,270	\$1,151,462	9	1	\$7,808	\$7,808
1400 Howard	\$1,559,696	\$64,798	\$1,624,494	\$1,624,095	3		\$384	\$399
1500 Kent	\$120,075	\$9,621	\$129,697	\$128,078	6		\$9,388	\$1,619
1600 Montgomery	\$303,566	\$51,133	\$354,698	\$342,834	6	2	\$41,861	\$11,864
1700 Prince George's	\$9,965,516	\$224,925	\$10,190,440	\$9,687,675	5	4	\$502,764	\$502,765
1800 Queen Anne's	\$206,943	\$35,563	\$242,506	\$233,245	7	1	\$9,761	\$9,261
1900 St. Mary's	\$90,996	\$35,450	\$126,446	\$123,453	3		\$3,506	\$2,993
2000 Somerset	\$67,300	\$328,983	\$396,283	\$394,846	3		\$990	\$1,437
2100 Talbot	\$153,472	\$1,470	\$154,943	\$154,088	7		\$1,588	\$855
2200 Washington	\$250,993	\$48,608	\$299,601	\$297,553	8		\$2,912	\$2,048
2300 Wicomico	\$278,008	\$222,427	\$500,434	\$497,982	8	1	\$2,351	\$2,452
2400 Worcester	\$362,458	\$44,732	\$407,190	\$398,622	7		\$25,530	\$8,568
Undesignated	\$0	\$7,475	\$7,475	\$7,406	7	5	\$50	\$69
Total	\$ 26,338,000.69	\$ 3,268,357.72	\$ 29,606,358.41	\$ 29,008,870.11	185	26	\$ 696,339.61	\$ 597,488.30

Note - Some facilities may cross county lines in the performance of services. For example, the Washington Suburban Sanitary Commission is headquartered in Prince George's County and, as such, revenue collected by them is reported under Prince George's County. However, the Commission performs services in more than one county.

Comptroller of Maryland
Distribution of Bay Restoration Fee
through April 30, 2022

	<u>MD Dept of Environment</u>				
Line 1:					
4/05 - 6/05:					
Total Fiscal Year 2005	\$	7,022,667.18	Total Fiscal Year 2006	\$	57,686,674.75
Total Fiscal Year 2007	\$	69,141,379.76	Total Fiscal Year 2008	\$	54,695,910.00
Total Fiscal Year 2009	\$	53,339,463.89	Total Fiscal Year 2010	\$	54,398,088.37
Total Fiscal Year 2011	\$	55,461,809.59	Total Fiscal Year 2012	\$	55,971,051.91
Total Fiscal Year 2013	\$	102,145,356.32	Total Fiscal Year 2014	\$	110,688,785.91
Total Fiscal Year 2015	\$	109,796,411.58	Total Fiscal Year 2016	\$	124,301,135.01
Total Fiscal Year 2017	\$	115,989,051.47	Total Fiscal Year 2018	\$	115,308,016.48
Total Fiscal Year 2019	\$	107,545,498.54	Total Fiscal Year 2020	\$	121,185,706.78
Total Fiscal Year 2021	\$	98,087,149.34	Total Fiscal Year 2022	\$	87,676,601.61

QTR Distribution details:

August 2021	\$	-
September		-
October		19,126,275.33
November		-
December		-
January 2022		28,619,586.13
February		13,403,850.92
March		-
April		26,526,889.23
May		-
June		-
July 2022 accrual		-
Total FY 2022	\$	87,676,601.61

Includes late payments for several quarters for CY 2021
Special Distribution for late payments for CY 2021

Program Grand Total \$ 1,500,440,758.49

	<u>MD Dept of Environment</u>		<u>MD Dept of Agriculture</u>		<u>Total Line 2</u>	
Line 2:						
4/05 - 6/05						
Total Fiscal Year 2005	\$	156,580.00	\$	104,386.66	\$	260,966.66
60% MDE 40% MDA						
Total Fiscal Year 2006	\$	4,782,770.15	\$	3,188,513.44	\$	7,971,283.59
60% MDE 40% MDA						
Total Fiscal Year 2007	\$	8,094,089.27	\$	5,396,059.51	\$	13,490,148.78
60% MDE 40% MDA						
Total Fiscal Year 2008	\$	8,489,069.61	\$	5,659,379.72	\$	14,148,449.33
60% MDE 40% MDA						
Total Fiscal Year 2009	\$	9,484,117.74	\$	6,322,745.15	\$	15,806,862.89
60% MDE 40% MDA						
Total Fiscal Year 2010	\$	3,118,419.66	\$	10,803,096.68	\$	13,921,516.34
22.4% MDE 77.6% MDA						

Total Fiscal Year 2011 60% MDE 40% MDA	\$ 8,173,632.20	\$ 5,449,088.14	\$ 13,622,720.34
Total Fiscal Year 2012 60% MDE 40% MDA	\$ 8,271,087.10	\$ 5,514,058.08	\$ 13,785,145.18
Total Fiscal Year 2013 60% MDE 40% MDA	\$ 15,992,799.08	\$ 10,661,866.06	\$ 26,654,665.14
Total Fiscal Year 2014 60% MDE 40% MDA	\$ 16,801,348.71	\$ 11,200,899.10	\$ 28,002,247.81
Total Fiscal Year 2015 60% MDE 40% MDA	\$ 17,456,798.39	\$ 11,637,865.59	\$ 29,094,663.98
Total Fiscal Year 2016 60% MDE 40% MDA	\$ 17,311,866.76	\$ 11,541,244.49	\$ 28,853,111.25
Total Fiscal Year 2017 60% MDE 40% MDA	\$ 17,113,840.66	\$ 11,409,227.10	\$ 28,523,067.76
Total Fiscal Year 2018 60% MDE 40% MDA	\$ 17,811,270.90	\$ 11,874,180.60	\$ 29,685,451.50
Total Fiscal Year 2019 60% MDE 40% MDA	\$ 16,883,720.52	\$ 11,255,813.67	\$ 28,139,534.19
Total Fiscal Year 2020 60% MDE 40% MDA	\$ 17,397,453.75	\$ 11,598,302.51	\$ 28,995,756.26
Total Fiscal Year 2021 60% MDE 40% MDA	\$ 16,989,802.10	\$ 11,326,534.72	\$ 28,316,336.82
Total Fiscal Year 2022 60% MDE 40% MDA	\$ 16,455,580.74	\$ 10,970,387.20	\$ 27,425,967.94

Fiscal Year 2022	60%	40%	Total
August 2020	\$ -	\$ -	\$ -
September	-	-	-
October	8,249,239.46	5,499,492.98	13,748,732.44
November	-	-	-
December	-	-	-
January 2022	3,540,992.95	2,360,661.98	5,901,654.93
February	-	-	-
March	-	-	-
April	4,665,348.33	3,110,232.24	7,775,580.57
May	-	-	-
June	-	-	-
July 2022 accrual	-	-	-
Total FY 2022	\$ 16,455,580.74	\$ 10,970,387.20	\$ 27,425,967.94

Program Grand Total	\$ 220,784,247.34	\$ 155,913,648.42	\$ 376,697,895.76
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Administrative cost recovery by Comptroller

FY 2005	\$ 44,941.58	FY 2014	120,303.41
FY 2006	52,122.42	FY 2015	152,674.27
FY 2007	57,482.53	FY 2016	158,749.94
FY 2008	57,777.62	FY 2017	158,735.88
FY 2009	46,721.16	FY 2018	168,013.19
FY 2010	112,654.00	FY 2019	188,999.78
FY 2011	59,098.66	FY 2020	219,425.05
FY 2012	94,566.86	FY 2021	212,919.00
FY 2013	102,423.14	FY2022	116,208.59
		Program Grand Total	\$ 2,123,817.08



Maryland

Department of
the Environment

**MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION
DRINKING WATER REVOLVING LOAN FUND PROGRAM
DRAFT FEDERAL FISCAL YEAR 2022
INTENDED USE PLAN
JUNE 30, 2022**

Larry Hogan
Governor

Boyd Rutherford
Lt. Governor

Horacio Tablada
Secretary

Dr. Suzanne Dorsey
Deputy Secretary

MARYLAND DEPARTMENT OF THE ENVIRONMENT
MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION

DRAFT

**Federal Fiscal Year 2022 Intended Use Plan
Maryland Drinking Water Revolving Loan Fund**

TABLE OF CONTENTS

Executive Summary	1
A. Sources and Uses of Funds	3
B. Goals of the Maryland Drinking Water Revolving Loan Fund	4
C. Project Selection and Fund Activities under the FFY 2022 Intended Use Plan (IUP)	5
D. Project Scope of Work/Public Health Benefits - FFY 2022 IUP Projects	6
E. Minority Business Enterprises/Women's Business Enterprises (M/WBE) Participation.....	7
F. Assurances	7
G. Binding Commitments/Federal Payments	7
H. Public Review of the Draft FFY 2022 IUP	7

Table 1 - Project Funding List and Sources/Uses of Funds

- Appendix A: Maryland DWSRF Draft Project Priority List for FFY 2022 IUP
- Appendix B: DWSRF Project Priority Ranking/Scoring Criteria
- Appendix C: Hold for Public Hearing Responsiveness Summary
- Appendix D: Assistant Attorney General Certification

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION
DRAFT
Federal Fiscal Year 2022 Intended Use Plan
Maryland Drinking Water Revolving Loan Fund**

EXECUTIVE SUMMARY

The Intended Use Plan (IUP) is the document that the Maryland Water Infrastructure Financing Administration (MWIFA) submits to the United States Environmental Protection Agency (EPA) to request the Federal Fiscal Year (FFY) 2022 Capitalization Grant under the Safe Drinking Water Act (SDWA), to be matched with 20% of State bond/general funds, for financing of capital projects from the Maryland Drinking Water Revolving Loan Fund (DWRLF or DWSRF). The Maryland DWSRF was established by amendments to the Maryland Water Quality Financing Administration Act, Title 9, Subtitle 16 of the Environment Article, Annotated Code of Maryland, to provide below market interest rate loans and other subsidies to local governments and eligible private entities for certain eligible drinking water capital improvement projects.

In addition, on November 15, 2021, President Biden signed the Bipartisan Infrastructure Law (BIL), also referred to as the Infrastructure Investments and Jobs Act (IIJA) (Pub. L. 117-58), which provides a Supplemental Base allotment, a Lead Service Line allotment, and an Emerging Contaminants allotment to the Drinking Water SRF Program. This IUP is also the document that MWIFA submits to USEPA to request the FFY 2022 BIL Drinking Water SRF Supplemental Base Capitalization Grant. Separate IUPs will be submitted at a later date for the Lead Service Line allotment and the Emerging Contaminants allotment as projects are identified to utilize these separate funds.

Maryland is making a grant application to receive \$12,837,000 in FFY22 Capitalization Grant, to be matched with \$2,567,400 (20%) in State funds. In addition, Maryland is making a grant application to receive \$32,960,000 in BIL Drinking Water SRF Supplemental Federal Capitalization Grant to be matched with \$3,296,000 (10%) in State funds. Under this IUP, FFY22 Capitalization Grant and BIL supplemental funds of \$33,431,810 or 73% is being allocated towards Drinking Water capital projects. The Federal project funds combined with State general fund/GO bond match, loan repayments, and investment earnings will be used to provide low interest loans and other financial subsidies for eligible DWSRF capital improvements, totaling \$76,755,836. The Maryland Department of the Environment (MDE) Water & Science Administration (WSA) will provide EPA a separate work plan for the use of the three programmatic set-asides (2%, 10%, 15%) totaling \$3,465,990 in DWSRF base and \$8,899,200 in BIL Supplemental.

Figure 1 shows a summary of the Sources and Uses of funds under the FFY 2022 IUP.

Figure 1

Sources:		Uses:	
Federal Cap Grant 22	\$ 12,837,000	Set-Asides (Non-Project Funds)	
State Match @ 20%	\$ 2,567,400	Technical Assistance (up to 2%) BIL & BASE	\$ 915,940
Federal BIL grant	\$ 32,960,000	DWSRF Admin. Expenses (up to 4%)	\$ -
State Match @ 10%	\$ 3,296,000	Drinking Water Program Support (up to 10%) BIL & Base	\$ 4,579,700
Revenue Bonds	\$ (40,000,000)	Local Assistance/State Activities (up to 15%) BIL & Base	\$ 6,869,550
Est. Repayments/Inv earnings	\$ 20,990,000	Subtotal	\$ 12,365,190
Reprogrammed funding	\$ 16,470,626	DWSRF Capital Projects Loans and Grants	\$ 76,755,836
Transfer from CWSRF	\$ 40,000,000		
Total	\$ 89,121,026	Total	\$ 89,121,026

Capital Project Selection

To provide applicants an opportunity to seek DWSRF funding, Financial Assistance Applications for drinking water (drinking water, source, treatment, storage and distribution, green infrastructure, water or energy efficiency and

environmental innovation) capital projects were accepted by MWIFA from December 2021 through January 2022. Table 1 shows the proposed list of projects for inclusion in the FFY 2022 IUP for DWSRF financial assistance, including those projects that are being considered for additional subsidy (loan principal forgiveness, if disadvantaged) based on the assumed federal statutory limitation. These projects were selected from the Project Priority List (PPL) based on their: (1) public health, compliance, sustainability benefits, reliability, and affordability benefits per the project priority ranking/scoring criteria; (2) compliance with technical, managerial, and preliminary financial capacity; and (3) readiness to proceed to construction by December 31, 2023. Drinking water projects that are not included in an MDE-approved County Water and Sewer Plan are ineligible for funding. Drinking water projects that are not consistent with Maryland's Smart Growth/Priority Funding Area (PFA) legislation will need a PFA exception approval prior to loan execution. Before loan execution, projects identified in the IUP will undergo a detailed financial capacity/credit analysis by the MWIFA.

Capital Projects (Project Funds): A total of \$76,755,836 is available for Drinking Water capital projects identified in Table 1. The DWSRF loan terms are outlined below:

Current Interest Rate*	<p>Standard Rate = 50% of Market Rate Disadvantaged Community (DAC) Rate = 25% of Market Rate (Market Interest Rate is defined as the average of the Bond Buyer 11-Bond Index for the month preceding the loan closing).</p> <p>* MDE, by policy, can change the SRF loan interest rate at any time. Interest rates are posted on the MWIFA web site.</p>
Loan Term	Up to 30 Years (up to 40 years for DACs), not to exceed design life
Loan Origination Fee	None
Loan Administrative Fee	5% of the aggregate debt service divided by the number of administrative fee payments over the life of the loan, collected annually. This amounts to approximately a 0.50% (or 50 basis points) increase in the interest rate for a 20-year loan or a 0.35% increase in interest rate for a 30-year loan. The administrative fee is used to help meet program operating expenses. These funds are in addition to any funds provided for DWSRF program expenses from the federal capitalization grant.

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION
DRAFT Federal Fiscal Year 2021 Intended Use Plan
Maryland Drinking Water Revolving Loan Fund**

A. Sources and Uses of Funds

A comprehensive summary of DWSRF Sources and Uses of Funds is as follows:

-	Thru 2021 IUP		2022 IUP	
<u>Sources:</u>				
Federal Capitalization Grants	\$ 333,080,706	a	\$ 12,837,000	
20% State Match	\$ 66,677,200	b	\$ 2,567,400	d
BIL Federal Grant	\$ -		\$ 32,960,000	
10% State Match to BIL Federal Grant	\$ -		\$ 3,296,000	
Federal Stimulus ARRA Grant 08 IUP	\$ 26,832,000			
Funds Transferred from Water Quality SRF	\$ 10,634,580	c	\$ 40,000,000	
Investment Earnings thru SFY 21 (Cap Reserve)	\$ 12,686,648			
Loan Principal Repayments thru SFY 21	\$ 129,096,891			
Loan Interest Repayments thru SFY 21	\$ 27,026,111			
Subtotal	\$ 606,034,136		\$ 91,660,400	
Estimated Loan Principal Repays (SFYs 22 & 23)	\$ 29,900,000			
Estimated Loan Interest Repayments (SFYs 22 & 23)	\$ 4,900,000			
Estimated Investment Earnings (SFYs 22 & 23)	\$ 170,000			
Estimated Loan Principal (SFY 24)	\$ -		\$ 18,100,000	
Estimated Loan Interest Repayments (SFY 24)	\$ -		\$ 2,800,000	
Estimated Investment Earnings (SFY 24)	\$ -		\$ 90,000	
Reprogrammed (Westernport & Lonaconing)			\$ 16,470,626	
Future Revenue Bonds	\$ 135,000,000		\$ (40,000,000)	
Total Sources	\$ 776,004,136		\$ 89,121,026	
<u>Uses:</u>				
Loan/Grant Agreements Entered as of 06/30/2021	\$ 587,603,976		\$ -	
Pending Loans/grants on IUPs as of 05/31/2022	\$ 92,756,754		\$ 76,755,836	
SFY 22 Net Loan Agreements Entered as of 05/31/2022	\$ 9,181,957		\$ -	
ARRA-Stimulus Administrative Expense	\$ 400,000		\$ -	
Federal Set-asides & In Kind (excludes ARRA & BIL listed sep)	\$ 85,936,339		\$ 3,465,990	
Federal Set-asides- BIL grant	\$ -		\$ 8,899,200	
Total Uses	\$ 775,879,026		\$ 89,121,026	

^a Total federal grant award through FFY 2021 Capitalization Grant, excluding ARRA & BIL

^b Includes State General Fund/GO Bond Match through FFY/GY2021

^c Funds transferred from Water Quality SRF to DWSRF (prior years).

^d State General Fund/GO Bond Match to FFY 2022 Capitalization Grant

B. Goals of the Maryland Drinking Water Revolving Loan Fund

1. Long-Term Goals

- Achieve and/or Maintain Compliance with Safe Drinking Water Standards - Using the DWSRF project priority rating and ranking system, target financial assistance that will help water systems comply with, maintain, or meet safe drinking water standards, and address public health issues.
- Coordination of Capital & Set-Aside Priorities - Coordinate State priorities under the set-aside work plan (technical assistance, source water protection, and technical, managerial & financial capacity development) to target DWSRF funding to high priority capital projects to achieve objectives consistent with the SDWA.
- Fund Perpetuity and Utilization - To provide low interest rate financing and other subsidies to high priority eligible projects that are ready to proceed within a reasonable time while maintaining a perpetual source of capital funds for future projects. The goal is to achieve a fund utilization rate (loans executed/total funds) of 95% or greater. This is one Program Activity Measure (PAM) under EPA's strategic plan for the DWSRF. The DWSRF could finance approximately \$330 million in additional loans, excluding revenue bond leveraging from capitalization grants (not including 27% - 31% allocated toward set-asides annually), State match, repayments, and investment earnings between FFY 2022 and FFY 2026 IUPs. This is in addition to the \$752 million capacity on existing IUPs (1998 – 2021). This analysis assumes an annual Maryland Federal Capitalization Grant of ~\$19 million per year and BIL Supplemental Grants of ~\$33M per year. The cumulative loan capacity of the DWSRF is projected to reach \$1 billion by FFY 2026.
- Reasonable User Cost - Ensure drinking water projects are constructed and maintained at a reasonable cost for the users of the system. To this end, DWSRF Disadvantaged Community (DAC) Criteria provides additional subsidies, including loan principal forgiveness, while ensuring reasonable water user rates and financial capacity. In addition, MDE will continue to coordinate with other Federal and State financial assistance programs (e.g., USDA Rural Utilities Service, Community Development Block Grant, Federal Special Appropriation grants) that provide approximately \$15 million/year for water/sewerage system improvements in Maryland.
- Financial Capacity and DAC Assistance - As part of the credit/financial analysis of potential borrowers, the MWIFA will continue to provide financial advisory services to system owners on the feasibility of their user rate structure and financial capacity to pay back a loan. The MWIFA financial model forecasts future operating cash flows based on existing/proposed user rates using audited financial statements. The model has been an effective tool to assist communities in developing affordable user rate structures and in determining additional subsidies to DACs.

2. Short-Term Goals/FFY2022 IUP Operating Goals

CAPITAL PROJECTS

- Utility Sustainability - To provide low-cost capital financing for existing facility (fix-it-first) upgrades for drinking water system improvements necessary to achieve or maintain SDWA compliance. The FFY 2022 IUP funding list identifies several such projects. Fiscal solvency includes reliable and dedicated sources of revenue for the debt service on capital improvements and the cost of operations and maintenance. Projects that support sustainable elements, such as asset management, or projects that support green infrastructure, such as water/energy efficiency, are awarded sustainability points on the project rating system.
- Additional Subsidization and Eligible Recipients – There are two distinct and additive additional subsidy authorities regarding the 2022 capitalization grant: 1) the Congressional Additional Subsidy as authorized by the 2022 appropriation requires states to provide 14% of the capitalization grant as subsidy (e.g., loan principal forgiveness) to any DWSRF-eligible recipient and 2) the SDWA Disadvantaged Community Subsidization Amounts as authorized by the SDWA requires the DWSRF provide additional subsidies in the amount no less than 12% of the capitalization grant and no more than 35% of the capitalization grant. Additional subsidies are provided to DAC applicants in priority ranking order and readiness to proceed to

construction until the statutory limit is reached. It has been MWIFA's policy that loan principal forgiveness not exceed \$1.5 million per project and/or applicant; however, the Administration reserves the right to provide additional subsidy, should circumstances warrant. DAC projects are eligible to receive up to 50% of the DWSRF financing as loan principal forgiveness. In 2015, the DAC eligibility criteria was revised to make it consistent with Water Quality SRF program as follows:

1. Water user rate per year per Equivalent Dwelling Unit (EDU) > 1% of Community Median Household Income (MHI); or
2. Project is physically located and benefits an MDE-approved Environmental Benefit District; or
3. Project is physically located and benefits a community with MHI less than 70% of State MHI; or
4. Project is physically located and benefits a community in a Maryland County (including Baltimore City) with a high unemployment rate (upper 33rd percentile); or
5. Project is physically located and benefits a community in a Maryland County (including Baltimore City) where the U.S. Census data shows a declining population.

In addition to above criteria, if the statutory limit for additional subsidy has not been reached, up to 25% of the loan amount as loan principal forgiveness may also be provided to projects in priority ranking order with readiness to proceed where the water user rate would increase by more than 20% to achieve financial capacity as determined by MDE.

C. Project Selection and Fund Activities under the FFY 2022 IUP

Financial Assistance Applications for drinking water projects were solicited by MWIFA in December 2021 through January 2022 from local governments and private water system owners. These applications were rated and ranked based on Drinking Water Project Priority Rating/Ranking Criteria and identified in the Maryland PPL for Federal FFY 2022 and State FY 2024 Drinking Water Funds (Appendix A). The PPL was used to select projects for the FFY 2022 IUP, based on their priority ranking, applicant's interest in DWSRF loan, and readiness to proceed to construction by December 2023 (unless specifically requesting a planning/design phase loan). Projects that are not consistent with the State's smart growth/priority funding area legislation or have technical/managerial/financial capacity concerns will be allocated funding only after any outstanding issues have been resolved (assuming available DWSRF funding capacity), unless the DWSRF funding allocation will address the technical/managerial/financial capacity issue.

The FFY 2022 IUP includes \$76,755,836 in project funding. Below is a summary of the sources and uses of funds:

Sources:		Uses:	
Federal Cap Grant 22	\$ 12,837,000	Set-Asides (Non-Project Funds)	
State Match @ 20%	\$ 2,567,400	Technical Assistance (up to 2%) BIL & BASE	\$ 915,940
Federal BIL grant	\$ 32,960,000	DWSRF Admin. Expenses (up to 4%)	\$ -
State Match @ 10%	\$ 3,296,000	Drinking Water Program Support (up to 10%) BIL & Base	\$ 4,579,700
Revenue Bonds	\$ (40,000,000)	Local Assistance/State Activities (up to 15%) BIL & Base	\$ 6,869,550
Est. Repayments/Inv earnings	\$ 20,990,000	Subtotal	\$ 12,365,190
Reprogrammed funding	\$ 16,470,626	DWSRF Capital Projects Loans and Grants	\$ 76,755,836
Transfer from CWSRF	\$ 40,000,000		
Total	\$ 89,121,026	Total	\$ 89,121,026

Capital Projects (Project Funds)

Table 1 shows funding for DWSRF projects totaling \$76,755,836. The SDWA specifies that a minimum of 15% of all dollars (capitalization grant, State match, repayments, bond proceeds, investment earnings, transferred funds from WQSRF to DWSRF) credited to the DWSRF project fund, shall be used to provide assistance to small systems. The project list includes \$34,978,836 (46%) for small systems.

Funding by Type of Project: The primary objective of the SDWA is to protect public health by providing safe and adequate drinking water through source water protection, treatment, storage and distribution. Accordingly, the FFY 2022 IUP identifies 0% for treatment, 71% for transmission/distribution, 18% for finished water storage and 10% for

other.

Subsidies for Disadvantaged Communities: There are two distinct and additive additional subsidy authorities regarding the 2022 capitalization grant: 1) the Congressional Additional Subsidy as authorized by the 2022 appropriation requires states to provide 14% (\$1,797,180) of the capitalization grant as subsidy (e.g., loan principal forgiveness) to any DWSRF-eligible recipient and 2) the SDWA Disadvantaged Community Subsidization Amounts as authorized by the SDWA requires the DWSRF provide additional subsidies in the amount no less than 12% (\$1,540,440) of the capitalization grant and no more than 35% (\$4,492,950) of capitalization grant. In addition, the BIL Drinking Water SRF supplemental Federal Capitalization Grant requires 49% (\$16,150,400) to be provided as additional subsidy. Table 1 identifies borrowers that may qualify as Disadvantaged; however, the extent of subsidy provided (e.g., lower interest rate, up to 40-year loan term, loan principal forgiveness) is determined based on the DAC Criteria described in Section B-2, above. The FFY 2022 IUP (Table 1) identifies \$3,953,766 (or 31%) of the capitalization grant in additional subsidies in the form of loan principal forgiveness, \$3,953,766 (or 31%) of SWDA-DAC principal forgiveness, and \$16,150,400 (or 49%) of BIL Drinking Water supplemental as loan principal forgiveness.

Program Income (Non Federal)

The MWIFA charges loan fees equal to 5% of annual debt service, which are used for administrative expenses in addition to the 4% of federal capitalization grant set-aside. The details related to the program income revenue and expenses are provided each year in the annual report. During State FY 2022, MWQFA estimates the fee revenues to be ~\$900,000.

D. Project Scope of Work/Public Health Benefits – FFY 2022 IUP Projects

The following are examples of the types of projects selected for financial assistance in the FFY2022 IUP.

Winchester Road Water Line Replacement (rank 4/97 points) in Allegany County includes replacing approximately 15,000 linear feet of aging and failing water transmission main along the Winchester Road area of LaVale. Replacing the water transmission main will ensure continued service of potable water to residents of LaVale, Maryland. The project is needed because a Preliminary Engineer's Report documented forty-four (44) water main failures that have occurred within this area over the past several years and demonstrates the need to replace the water line. Replacing the existing water line will eliminate the health and safety risks the LaVale residents are currently exposed to due to water line failures.

Emmitsburg North Seton Avenue Water Line Replacement (rank 8/90 points) in Frederick County replaces a total of 1,584 linear feet (LF) of deteriorating 6-inch and 4-inch unlined cast iron piping along North Seton Avenue with a new 8-inch ductile iron pipe. The proposed water line replacement project is needed to assist a non-compliant system in receiving water pressure compliance and to resolve water quality complaints. The North Seton Avenue water line is an estimated 92-year-old cast iron line that supplies water to the northern section of Town. The line has lead and oakum joints and severe tuberculation that is causing a reduced pipe diameter and brown tinted water when the tubercules become dislodged during higher forced flows. This project will be completed in conjunction with a green street upgrade that will add stormwater infrastructure such as permeable concrete, bio filters for stormwater runoff, bioretention planters, native trees and green drainage inlets as the street is being repaired after the water line is replaced.

Town of Grantsville Chestnut Ridge Water System (rank 13/80 points) in Garrett County includes constructing a water system to serve the Chestnut Ridge area consisting of a PRV connection between the existing Grantsville system and the new Chestnut Ridge system, a 12" main waterline, new water treatment plant to treat groundwater, new well, and new 470,000-gallon tank. Chestnut Ridge is an area adjacent to the Town of Grantsville that is currently not served by public water. Properties within the area have experienced issues with their wells due to salt from Rt. 40 and other causes.

Franklin Avenue Well Replacement (rank 21/65 points) in Worcester County includes a test well on the existing well site, and the replacement of the existing Franklin Avenue potable water well, Well #2 in the Town of Berlin water system. The existing well was constructed in 1964 and has outlived its useful life. The Town of Berlin currently has three wells drilled spread throughout the Town, each within the same aquifer formation at similar depths. These three wells alternate operation to provide a redundant water supply and minimize aquifer drawdown. The proposed replacement well will be designed as a replacement of the exiting Well #2 and will operate in conjunction with the existing wells #1 and #3. The proposed Well #2 will be drilled on the same

property as the existing #2 well, utilizing the existing treatment, storage, and distribution systems. The Town's largest production well, Well #1, has no backup power source, and in the event of a loss of power the Town must rely on the two smaller wells, #2 and #3. Providing a new replacement well for Well #2 will provide redundancy and increase reliability of the Town of Berlin's water system.

E. Minority Business Enterprises/Women's Business Enterprises (M/WBE) Participation

The EPA and MDE negotiated fair share goals for FFYs 2019, 2020, and 2021 based on the Maryland Department of Transportation 2018 disparity/availability study. Based on these negotiations, MDE set goals of 22% MBE and 16% WBE for the "construction" category (total 38% M/WBE), an increase of 4% over the 34% goal applicable for the previous three-year period. While EPA suspended the requirement for fair share negotiations via RAIN-2019-G10 in October 2019, MDE has elected to keep these previously negotiated percentages in place to serve as aspirational goals on DWSRF projects.

These goals will be applicable to all projects financed using DWSRF (loans, loan principal forgiveness). MDE provides DWSRF applicants an "Insert" for inclusion in procurement/bid documents, which outlines the M/WBE (%) goals and the affirmative/positive steps necessary to show a good faith effort consistent with federal regulations under 40 CFR Part 33. Failure to meet the M/WBE goals does not preclude the use of the SRF, as long as the good faith efforts can be demonstrated and documented. It is important that the loan recipients and their prime contractors undertake the necessary affirmative/positive steps to assure that M/WBE firms are afforded the opportunity to participate in SRF projects. All subcontractors selected to participate on the project are also subject to these Good Faith Efforts requirements when further subcontracting or dividing a scope of work. M/WBE Program details and forms are available on MDE's web site at <http://mde.maryland.gov/programs/Water/WQFA/Pages/mwbe.aspx>.

F. Assurances

The Department agrees to comply with the Federal program requirements as outlined in the Operating Agreement between EPA and MDE, amended as of April 2014, and further updated as of February 2016.

G. Binding Commitments

The projected binding commitments will occur at or around construction start date indicated for each project in Table 1.

H. Public Review of the Draft FFY 2022 IUP

The 30-day public comment period started June 30, 2022. On that date, an email was sent to all applicants who submitted Financial Assistance Applications (and others), informing them of the availability of the Draft IUP/PPL on MDE's website. The interested parties list includes representatives from state and local government, environmental consultants/engineers, community groups, neighborhood associations, environmental organizations, etc. Additionally, MWIFA provided an email notification to the following Maryland Commissions/Committees to share with their membership and interested parties' lists: the Commission on Environmental Justice and Sustainable Communities, the Children's Environmental Health and Protection Advisory Council, and the Bay Restoration Fund Advisory Committee. MWIFA also coordinated with MDE's Communications Office to ensure that the draft IUP documents are shared via the Department's various social media accounts. MWIFA will also share the draft IUP with the Maryland General Assembly. Public comments will be received through July 30, 2022, and the comment period will close on that date. MWIFA will be available to answer any questions that arise during the comment period to ensure the public fully understands what is being proposed in the IUP. MWIFA will be as responsive as possible regarding any comments or concerns raised during the public comment period. The Public Hearing Responsiveness Summary and all comments received will be shared with EPA upon closure of the public comment period and finalization of the Public Hearing Responsiveness Summary. The Responsiveness Summary will indicate what action MDE took on comments submitted.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION
DRAFT FFY 2022 (SFY 2024) INTENDED USE PLAN
MARYLAND DRINKING WATER REVOLVING LOAN FUND

TABLE 1: DWSRF FFY 2022 IUP PROJECT FUNDING LIST

APPLICANT	COUNTY	PROJECT NAME (MDE PROJECT NUMBER)	DWSRF TOTAL FUNDING	DWSRF BASE LOAN	DWSRF BASE LOAN FORGIVE.	BIL LOAN	BIL LOAN FORGIVE.	PRIORITY RANK	SCORING POINTS	CONST. START	SYSTEM SIZE/OWNERSHIP SMALL/LARGE	PUBLIC/PRIVATE	DAC COMMUNITY	PROJECT TYPE	COMMENTS
MARYLAND AMERICAN WATER CO	HARFORD	NEW WINTERS RUN WATER TREATMENT FACILITY (DW0016/24)	\$ -	\$ -	\$ -	\$ -	\$ -	1	117	9/1/2022	LARGE	PRIVATE	NO	TREATMENT	Bypass - Water & Sewer and PFA issues
POCOMOKE CITY	WORCESTER	POCOMOKE CITY WIN-CIPP LINING MARKET STREET MAINS - PHASE I (DW0004/24)	\$ -	\$ -	\$ -	\$ -	\$ -	2	110	5/1/2023	SMALL	PUBLIC	YES	TRANSMISSION/DISTRIBUTION	Loan Unwanted - Possible State Grant
FREDERICK COUNTY	FREDERICK	BRIERCREST APARTMENTS WATER SERVICE (DW0017/24)	\$ -	\$ -	\$ -	\$ -	\$ -	3	100	10/1/2023	SMALL	PRIVATE	NO	TRANSMISSION/DISTRIBUTION	Fund with PFAs/CEC BIL \$
LAVALE SANITARY COMMISSION	ALLEGANY	WINCHESTER ROAD WATER LINE REPLACEMENT (DW0025/24)	\$ 3,602,800	\$ 1,801,400	\$ 1,500,000	\$ -	\$ 301,400	4	97	6/1/2023	SMALL	PUBLIC	YES	TRANSMISSION/DISTRIBUTION	Possible State Grant
BOARD OF CARROLL COUNTY COMMISSIONERS	CARROLL	SPRINGFIELD WELLS / FAIRHAVEN WELL HOUSE (DW0015/24)	\$ -	\$ -	\$ -	\$ -	\$ -	5	97	3/1/2023	LARGE	PUBLIC	NO	SOURCE	Bypass - Water & Sewer issues
FREDERICK COUNTY	FREDERICK	SPRINGVIEW MOBILE HOME PARK WATER SERVICE (DW0021/24)	\$ -	\$ -	\$ -	\$ -	\$ -	6	95	11/1/2023	LARGE	PUBLIC	NO	TRANSMISSION/DISTRIBUTION	Fund with PFAs/CEC BIL \$
TOWN OF SNOW HILL	WORCESTER	COULBOURNE LANE WELL BACKUP POWER (DW0002/24)	\$ 27,258	\$ 13,629	\$ 13,629	\$ -	\$ -	7	90	6/1/2023	SMALL	PUBLIC	YES	SOURCE	Possible State Grant
TOWN OF EMMITSBURG	FREDERICK	EMMITSBURG NORTH SETON AVENUE WATER LINE REPLACEMENT (DW0018/24) (GREEN)	\$ 859,164	\$ 859,164	\$ -	\$ -	\$ -	8	90	10/1/2023	SMALL	PUBLIC	NO	TRANSMISSION/DISTRIBUTION	Possible State Grant
TOWN OF EMMITSBURG	FREDERICK	EMMITSBURG DEPAUL STREET WATER LINE REPLACEMENT (DW0019/24)	\$ 832,500	\$ 832,500	\$ -	\$ -	\$ -	9	90	10/1/2023	SMALL	PUBLIC	NO	TRANSMISSION/DISTRIBUTION	Possible State Grant
CITY OF HAGERSTOWN	WASHINGTON	MACK WATER STORAGE TANK REPLACEMENT (DW0034/24)	\$ 4,000,000	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	10	90	5/1/2023	LARGE	PUBLIC	YES	STORAGE	
WASHINGTON SUBURBAN SANITARY COMMISSION	PRINCE GEORGE'S	POWHATAN STREET WATER MAIN REPLACEMENT (DW0042/24)	\$ 2,461,000	\$ 1,230,500	\$ 1,230,500	\$ -	\$ -	11	87	6/1/2023	LARGE	PUBLIC	YES	TRANSMISSION/DISTRIBUTION	
WASHINGTON SUBURBAN SANITARY COMMISSION	PRINCE GEORGE'S	HORIZON WAY WATER MAIN REPLACEMENT (DW0041/24)	\$ 3,400,000	\$ 1,458,745	\$ 1,144,637	\$ 241,255	\$ 555,363	12	80	6/1/2023	LARGE	PUBLIC	YES	TRANSMISSION/DISTRIBUTION	
TOWN OF GRANTSVILLE	GARRETT	TOWN OF GRANTSVILLE CHESTNUT RIDGE WATER SYSTEM (DW0030/24)	\$ 8,035,000	\$ 5,363,492	\$ -	\$ 171,508	\$ 2,500,000	13	80	5/1/2023	SMALL	PUBLIC	YES	OTHER	
TOWN OF BOONSBORO	WASHINGTON	BOONSBORO DRINKING WATER RESERVOIR REPLACEMENT (DW0036/24)	\$ -	\$ -	\$ -	\$ -	\$ -	14	75	1/1/2023	SMALL	PUBLIC	NO	STORAGE	Loan Unwanted
WASHINGTON SUBURBAN SANITARY COMMISSION	MONTGOMERY	MONTGOMERY KNOLLS WATER MAIN REPLACEMENT (DW0040/24)	\$ 4,416,000	\$ 4,416,000	\$ -	\$ -	\$ -	15	72	3/1/2023	LARGE	PUBLIC	NO	TRANSMISSION/DISTRIBUTION	
BALTIMORE CITY	BALTIMORE CITY	WC-1199 ASHBURTON PUMPING STATION REHABILITATION (DW0007/24)	\$ 10,000,000	\$ 5,000,000	\$ -	\$ 2,500,000	\$ 2,500,000	16	72	7/1/2023	LARGE	PUBLIC	YES	TRANSMISSION/DISTRIBUTION	
BALTIMORE COUNTY	BALTIMORE COUNTY	WC-1199 ASHBURTON PUMPING STATION REHABILITATION (DW0022/24)	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	17	72	7/1/2023	LARGE	PUBLIC	NO	TRANSMISSION/DISTRIBUTION	
MAYOR AND COUNCIL CITY OF BRUNSWICK	FRED/WASH	YOURTEE SPRINGS WATER DISTRIBUTION (WSG, ONLY) (DW0020/24)	\$ -	\$ -	\$ -	\$ -	\$ -	18	70	12/1/2022	SMALL	PUBLIC	NO	TRANSMISSION/DISTRIBUTION	Loan Unwanted
TOWN OF WESTERNPORT	ALLEGANY	TOWN OF WESTERNPORT-WATER DISTRIBUTION SYSTEM IMPROVEMENTS-PHASES 5-7 (DW0038/24)	\$ 10,000,000	\$ 5,000,000	\$ -	\$ 2,500,000	\$ 2,500,000	19	70	12/1/2023	SMALL	PUBLIC	YES	TRANSMISSION/DISTRIBUTION	Fund balance on FY21 IUP
CITY OF HAGERSTOWN	WASHINGTON	TRANSMISSION MAINS REPLACEMENT-HAGERSTOWN (DW0033/24)	\$ 7,500,000	\$ 2,500,000	\$ -	\$ 2,500,000	\$ 2,500,000	20	70	10/1/2023	LARGE	PUBLIC	YES	TRANSMISSION/DISTRIBUTION	
TOWN OF BERLIN	WORCESTER	FRANKLIN AVENUE WELL REPLACEMENT (DW0003/24)	\$ 130,000	\$ 65,000	\$ 65,000	\$ -	\$ -	21	65	6/1/2023	SMALL	PUBLIC	YES	SOURCE	
TOWN OF GRANTSVILLE	GARRETT	TOWN OF GRANTSVILLE WATER IMPROVEMENT PROJECT (DW0031/24)	\$ -	\$ -	\$ -	\$ -	\$ -	22	65	5/1/2023	SMALL	PUBLIC	YES	OTHER	Bypass - Water & Sewer Issues
GARRETT COUNTY SANITARY DISTRICT	GARRETT	MOUNTAIN LAKE PARK & LOCH LYNN HEIGHTS WATER LINE REPLACEMENT PROJECT (DW0029/24)	\$ 1,587,274	\$ -	\$ -	\$ 793,637	\$ 793,637	23	60	8/1/2023	SMALL	PUBLIC	YES	TRANSMISSION/DISTRIBUTION	
TOWN OF LONACONING	ALLEGANY	MIDLAND/GILMORE RAW WATER STORAGE TANK (DW0027/24)	\$ 9,904,840	\$ 4,904,840	\$ -	\$ 2,500,000	\$ 2,500,000	24	60	10/1/2023	SMALL	PUBLIC	YES	STORAGE	Fund balance on FY21 IUP
			\$ 76,755,836	\$ 45,445,270	\$ 3,953,766	\$ 11,206,400	\$ 16,150,400								
				SDWA-DAC	\$ 3,953,766										

DWSRF FFY 2022 IUP - Sources & Uses

Total Sources	\$ 89,121,026	Total Uses	\$ 89,121,026
Federal Funds for Capital Projects	\$ 12,837,000	DWSRF Capital Projects Loans and Grants-Base+BIL Grants	\$ 76,755,836
State Match for Capital Projects	\$ 2,567,400		
BIL for Capital Projects	\$ 32,960,000	Federal Set-asides - Base+BIL Grants:	
State Match for BIL for Capital Projects	\$ 3,296,000	2% Technical Assistance	\$ 915,940
Funds Transferred from WQSRF	\$ 40,000,000	4% DWSRF Admin	\$ -
Future Revenue Bonds	\$ (40,000,000)	10% Drinking Water Program Support	\$ 4,579,700
Est. Investment Earnings/Repayments/Reprogrammed Funds	\$ 37,460,626	15% Local Assistance/State Activities	\$ 6,869,550

Loan Forgiveness/Grant-Base	\$ 3,953,766	Total	
% of Base Cap Grant	31%	> Min 26% and < 49% Max	
Loan Forgiveness-Base-SDWA-DAC	\$ 3,953,766	SDWA-DAC	
% of Base Cap Grant	31%	> Min 12% and < 35% Max	
Loan Forgiveness/Grant-BIL	\$ 16,150,400		
% of BIL Grant	49%	49%	

System Type	Treatment	Distribution	Source	Storage	Other	Total
Number	1	15	3	3	2	24
Funding \$	\$ -	\$ 54,658,738	\$ 157,258	\$ 13,904,840	\$ 8,035,000	\$ 76,755,836
% of Total IUP	0.00%	71.21%	0.20%	18.12%	10.47%	100.00%

System Size	Number	Funding \$	%
LARGE	10	\$ 41,777,000	54.43%
SMALL	14	\$ 34,978,836	45.57%
Total	24	\$ 76,755,836	100.00%

Equivalency Projects for the Purpose of Federal Compliance (e.g. FFATA)		
Equivalency projects - Base Grant	8	\$ 30,673,114
Equivalency projects - BIL Grant	9	\$ 27,356,800

Cash Flow/ Proportionality	Total	Capital Proportionality
Federal Capital-Base Grant	\$ 12,837,000	
Less: 2%/10%/15% set asides	\$ (3,465,990)	
Fed Cap-Base net of Set-Asides	\$ 9,371,010	78.49%
State Match	\$ 2,567,400	21.51%
Total Base Grant Capital	\$ 11,938,410	100.00%
Federal Capital-BIL Gen Grant	\$ 32,960,000	
Less: 2%/10%/15% set asides	\$ (8,899,200)	
Fed BIL-Gen net of Set-Asides	\$ 24,060,800	87.95%
State Match	\$ 3,296,000	12.05%
Total BIL Grant Capital	\$ 27,356,800	100.00%



Maryland

Department of
the Environment

**MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION
WATER QUALITY REVOLVING LOAN FUND PROGRAM
FEDERAL FISCAL YEAR 2022
DRAFT INTENDED USE PLAN
June 30, 2022**

**Larry Hogan
Governor**

**Boyd Rutherford
Lt. Governor**

**Horacio Tablada
Secretary**

**Dr. Suzanne Dorsey
Deputy Secretary**

MARYLAND DEPARTMENT OF THE ENVIRONMENT
MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION

DRAFT

**Federal Fiscal Year 2022 Intended Use Plan
Maryland Water Quality Revolving Loan Fund**

TABLE OF CONTENTS

Executive Summary..... 1

A. Sources and Uses of Funds.....3

B. Goals of the Maryland Water Quality Revolving Loan Fund.....4

C. Project Selection and Fund Activities under the FFY 2022 IUP6

D. Project Scope of Work/Environmental Benefits – FFY 2022 IUP Projects7

E. Minority Business Enterprises/Women’s Business Enterprises (M/WBE) Participation8

F. Assurances8

G. Binding Commitments8

H. Public Review of the Draft FFY 2022 IUP8

Table 1 – Project Funding List and Sources/Uses of Funds

- Appendix A: Maryland WQSRF Draft Project Priority List for FFY 2022 IUP
- Appendix B: WQSRF Integrated Project Priority System (IPPS)
- Appendix C: Hold for Public Hearing Responsiveness Summary
- Appendix D: Assistant Attorney General Certification

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION
DRAFT**

**Federal Fiscal Year 2022 Intended Use Plan
Maryland Water Quality Revolving Loan Fund**

EXECUTIVE SUMMARY

The Intended Use Plan (IUP) is the document that the Maryland Water Infrastructure Financing Administration (MWIFA) submits to the United States Environmental Protection Agency (USEPA) to request the Federal Fiscal Year (FFY) 2022 Capitalization Grant under the Federal Clean Water Act (CWA), to be matched with 20% of State bond/general funds, for use in the Maryland Water Quality Revolving Loan Fund (WQRLF or WQSRF). The Maryland WQSRF was established pursuant to the Clean Water Act of 1987 and the Maryland Water Quality Financing Administration Act, Title 9, Subtitle 16 of the Environment Article, Annotated Code of Maryland, to provide below market interest rate loans and other subsidies to local governments and eligible private entities for certain water quality capital projects.

In addition, on November 15, 2021, President Biden signed the Bipartisan Infrastructure Law (BIL), also referred to as the Infrastructure Investments and Jobs Act (IIJA) (Pub. L. 117-58), which provides a Supplemental Base allotment and an Emerging Contaminants allotment to the Clean Water SRF Program. This IUP is also the document that MWIFA submits to USEPA to request the FFY 2022 BIL Clean Water SRF Supplemental Base Capitalization Grant. A separate IUP will be submitted at a later date for the Emerging Contaminants allotment as projects are identified to utilize these funds.

The State of Maryland is committed to using the capitalization grant funds (“capitalization grants”) for which we are applying to provide funding for water quality improvements from point and nonpoint source capital projects, including eligible “green” projects that will further the water quality and public health objectives of the CWA.

Maryland is making a grant application to receive \$27,985,000 in Federal Capitalization Grant to be matched with \$5,597,000 (20%) in State funds. In addition, Maryland is making a grant application to receive \$43,046,000 in BIL Clean Water SRF supplemental Federal Capitalization Grant to be matched with \$4,304,600 (10%) in State funds. With this FFY 2022 IUP, the MWIFA is not requesting the federal (4%) funds for WQSRF program administration, as it will continue to use loan administrative fees (see below) and funds from the WQSRF as authorized under the Water Resources Reform and Development Act of 2014 (WRRDA), if needed. Accordingly, the Federal funds and State match for the Federal Capitalization Grant will be drawn proportionally as 83.33% Federal, and 16.67% State for capital project drawdowns, and the Federal funds and State match for the BIL Clean Water SRF supplemental funds will be drawn proportionally as 90.91% Federal, and 9.09% State for capital project and technical assistance drawdowns. The highlights of the FFY 2022 IUP are as follows:

SOURCES		USES	
Capitalization Grant	\$ 27,985,000	WQSRF Admin. Exp. (up to 4% of grant)	\$ -
State(Bond/Gen.Fund) Match (20%)	\$ 5,597,000	Transfer to Admin(WRRDA provision)	\$ 3,100,000
BIL Grant	\$ 43,046,000	BIL- Admin 2%	\$ 860,920
State Match (10%)	\$ 4,304,600	Transfer to DWSRF	\$ 40,000,000
		EPA In-Kind	\$ 500,000
Revenue Bonds	\$ 40,000,000	Capital Projects -- Loans & Grants	\$ 220,457,090
Reprogrammed Funding	\$ 26,951,490	SRF Revenue Bond Debt Service (P&I)	\$ 3,437,850
Est.Invest. Earnings/Repayments	\$ 120,471,770	Linked Deposit Program Bank Loans	\$ -
Total	\$ 268,355,860	Total	\$ 268,355,860

The FFY 2022 Enacted Appropriation Authority requires a minimum of 10% of the capitalization grant (\$2,798,500) be provided as additional subsidies (e.g., loan principal forgiveness); per the Clean Water Act Authority (as amended by WRRDA and WIIN Act of 2016), between 0% and 30% (\$8,395,500) may be provided as additional subsidization above/beyond the 10% statutory minimum. Under the BIL Clean Water SRF supplemental, 49% of the BIL appropriation (\$21,092,540) must be provided as additional subsidies (e.g., loan principal forgiveness). MWIFA will provide these subsidies to disadvantaged communities, which are discussed later in this IUP. The FFY 2022 federal appropriation act further specifies that no less than \$2,798,500 (10% of the capitalization grant) should

be allocated to “green” projects, provided sufficient applications are received. Sufficient applications for loans were received to meet the “green” project goal for FFY 2022.

Loan Terms	Applicable to all WQSRF loans, except loans through the Linked Deposit Program (See Section B-2 below)
Current Interest Rate*	Standard Rate = 50% of Market Rate Disadvantaged Community (DAC) Rate = 25% of Market Rate (Market Interest Rate is defined as the average of the Bond Buyer 11-Bond Index for the month preceding the loan closing). * MDE, by policy, can change the SRF loan interest rate at any time. Interest rates are updated monthly and are posted on the MWIFA website.
Loan Term	Up to 30 Years, based on the life of the assets being constructed.
Loan Origination Fee	None.
Loan Administrative Fee	5% of the aggregate debt service divided by the number of administrative fee payments over the life of the loan, collected annually. This amounts to approximately a 0.50% (or 50 basis points) increase in the interest rate for a 20-year loan, or a 0.35% increase in interest rate for a 30-year loan. The administrative fee is used to cover program operating expenses. The Administration is not requesting any WQSRF federal 4% administrative funds from the FFY 2022 capitalization grant. If the loan administrative fee is insufficient to cover program operating expenses, the additional amount needed will be transferred from the program Total Net Position, up to 1/5% of net asset limit authorized under WRRDA in accordance with FWPCA section 603(d)(7). Based on the most recent audited financial statements as of 06/30/2021, the maximum amount allowed would be \$3,107,938 (Total Net Position of \$1,553,969,444 * 0.2% = \$3,107,938).

Table 1 shows the proposed list of projects for inclusion in the FFY 2022 IUP for WQSRF financial assistance, including “green projects” and those projects that are being considered for additional subsidy (loan principal forgiveness, if disadvantaged) based on the assumed federal statutory limitation. Projects on Table 1 were selected from the Project Priority List based on: (1) the Integrated Project Priority System (IPPS) ranking, and (2) readiness to proceed to construction no later than December 31, 2023.

Sewerage projects that are not included in an MDE-approved County Water and Sewer Plan are ineligible for funding. Sewerage projects that are not consistent with Maryland’s Smart Growth/Priority Funding Area (PFA) legislation will need a PFA exception approval prior to loan execution. Before loan execution, projects identified in the IUP will undergo a financial credit capacity analysis by the MWIFA.

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION
DRAFT Federal Fiscal Year 2022 Intended Use Plan
Maryland Water Quality Revolving Loan Fund**

A. Sources and Uses of Funds

A comprehensive summary of WQSRF Sources and Uses of funds is as follows:

Sources:	Thru 2021 IUP		2022 IUP
Federal Capitalization Grants	\$1,089,430,946	a	\$ 27,985,000
Federal Stimulus Grants 08 IUP (ARRA)	\$ 94,784,600		
State Match Appropriated	\$ 217,943,800	b	\$ 5,597,000
BIL Federal Grant			\$ 43,046,000
10% State Match to BIL Federal Grant			\$ 4,304,600
Total Revenue Bond Proceeds	\$ 236,222,390		\$ -
Investment Earnings (thru SFY 21)	\$ 177,463,967		
Loan Principal Repayments (thru SFY 21)	\$1,368,002,755		
Loan Interest Repayments (thru SFY 21)	\$ 304,026,983		
Subtotal	3,487,875,441		\$ 80,932,600
Estimated Loan Principal (SFYs 22 & 23)	\$ 209,000,000		
Estimated Loan Interest Repayments (SFYs 22 & 23)	\$ 26,700,000		
Estimated Investment Earnings (SFYs 22 & 23)	\$ 1,050,000		
Estimated Loan Principal (SFY 24)			\$105,000,000
Estimated Loan Interest Repayments (SFY 24)	\$ -		\$ 14,300,000
Estimated Investment Earnings (SFY 24)			\$ 700,000
Estimated Cumulative LD Invest.prin repays (thru SFY23)	\$ 17,684,044		\$ 471,770
Reprogrammed Funding			\$ 26,951,490
Estimated Future Revenue Bond Proceeds	\$ 537,000,000		\$ 40,000,000
Subtotal	\$ 791,434,044		\$187,423,260
Total Sources	\$4,279,309,485		\$268,355,860
Uses:			
Loan/Grt Agreements Entered as of 6/30/2021	\$3,278,226,512		\$ -
Pending loans/grants IUP Status as of 5/31/2022	\$ 578,649,533		\$ 220,457,090
Loans executed SFY 22 as of 5/31/22 (net of reversions)	\$ (8,402,623)		\$ -
Funds Transferred to Drinking Water SRF (98/99 IUPs)	\$ 10,634,580		\$ 40,000,000
Bond Principal Repaid as of 6-30-2021	\$ 222,207,390		\$ 2,905,000
Bond Interest Expense as of 6-30-2021	\$ 140,311,325		\$ 532,850
Bond Cost of Issuance/Underwriter Discount	\$ 4,949,910		\$ -
ARRA-Stimulus Administrative Expense	\$ 2,000,000		\$ -
4% Administrative Expensed as of 06/30/2021	\$ 16,935,812		\$ -
2% Administrative Exp. BIL grant	\$ -		\$ 860,920
EPA In-Kind	\$ -		\$ 500,000
Transfer to Admin (WRRDA provision) (thru SFY21)	\$ 10,600,000		\$ 3,100,000
Allocated Non-point Source Projects (Linked Deposit)	\$ 23,000,000		\$ -
Total Uses	4,279,112,439		\$ 268,355,860

^a Total federal grant award through FFY 2021 Capitalization Grant, excluding ARRA/BIL

^b Includes State General Fund/GO Bond Match through FFY/GY 2021 IUP

The above does not include program income generated from loan fees, used for administrative expenses.

B. Goals of the Maryland Water Quality Revolving Loan Fund

1. Long-Term Goals

- **Fund Perpetuity & Utilization** – To utilize the total financial resources of the Fund by providing low interest rate financing while maintaining a perpetual source of capital funds for future water quality projects. The goal is to achieve a fund utilization rate (loans executed/total funds available) of 98% or greater. This is a Program Activity Measure (PAM) under EPA's strategic plan for the WQSRF. The WQSRF could finance approximately \$1.02 billion in additional loans from capitalization grants, State match, BIL Supplemental capitalization grants, State match, loan repayments, and investment earnings between FFY 2022 and FFY 2026 IUPs. This is in addition to the \$3.87 billion capacity of existing IUPs (FFY 1989-2021). This analysis assumes annual Maryland Federal Capitalization Grant of ~\$38 million per year and annual BIL Supplemental Capitalization Grant of ~\$43 million. The cumulative loan financial capacity of the WQSRF is projected to be over \$4.89 billion by FFY 2026.
- **Funding Prioritization** – The updated IPPS rating and ranking system targets financial assistance to projects that help meet the Maryland's Final Watershed Implementation Plan (WIP) to address the Chesapeake Bay Total Maximum Daily Load (TMDL). The IPPS focuses on the proposed project water quality benefits, documented public health concerns, relative effectiveness of nutrient reduction to the Chesapeake Bay, compliance status, cost efficiency, and co-benefits including climate mitigation, adaptation, and resiliency, and sustainability.
- **Reasonable User and Project Unit Cost** – To ensure facilities are constructed and maintained at a reasonable cost for the users of the system. To this end, MWIFA will continue to provide disadvantaged communities (DACs) a lower interest rate and additional subsidies such as partial loan principal forgiveness. For projects that have high unit cost per household, the MWIFA will continue to coordinate its State grant programs with other Federal/State financial assistance programs (e.g., USDA Rural Utilities Service, Community Development Block Grant, Federal Special Appropriation grants) that provide approximately \$15 million/year for water/sewerage system improvements in Maryland.
- **Financial Capacity & Disadvantaged Community Assistance** – As part of the credit/financial analysis of potential borrowers, the MWIFA will continue to provide financial advisory services to system owners on the feasibility of their user rate structure and financial capacity to pay back a loan. The MWIFA financial model forecasts future operating cash flows based on existing/proposed user rates using audited financial statements. The model has been an effective tool to assist communities in developing affordable user rate structures and in determining additional subsidies to DACs.

2. Short-Term Goals/FFY2022 IUP Operating Goals

- **Finance Advanced Treatment at WWTPs for Nutrient Reduction** – To provide low-cost financing to local governments for the local share, in tandem with Maryland's Bay Restoration Fund Wastewater Program (BRF Wastewater) grant funding for Enhanced Nutrient Removal (ENR), to upgrade targeted wastewater treatment facilities with advanced treatment to reduce nitrogen and phosphorus discharges as part of the Maryland's WIP. Maryland's far-reaching legislation (Bay Restoration Fund), which was signed into law in the 2004 Maryland legislative session (amended in 2012 to increase the fee from \$2.50/month per equivalent dwelling to \$5.00) to address Bay restoration created a dedicated fund to initially upgrade the 67 largest wastewater treatment plants to ENR standards. ENR upgrades at Maryland's largest 67 wastewater treatment plants are expected to reduce 7.5 million pounds of nitrogen and 260,000 pounds of phosphorus from entering into the Bay each year, which is required for Maryland to meet its load cap under the Chesapeake Bay TMDL. Maryland is now encouraging the upgrade of minor wastewater treatment plants to ENR, where cost-effective. ENR projects are expected to receive up to 100% state grants for ENR eligible components. Some non-eligible ENR components can be covered by WQSRF loans. See Table 1 for ENR projects identified for funding in the FFY 2022 IUP.
- **Community & Utility Sustainability** – To provide low-cost capital financing to local governments for existing facility (fix-it-first) upgrades for water quality improvements necessary to achieve or maintain

permit compliance. The FFY 2022 IUP funding list identifies several such projects. In addition, MWIFA continues to work closely with facility owners to maintain system financial capacity. MWIFA's credit capacity analysis includes detailed discussions with potential loan recipients to ensure that their sewerage enterprise fund remains fiscally solvent. Fiscal solvency includes reliable and dedicated sources of revenue for the debt service on capital improvements and the cost of operations and maintenance. Projects with growth that support community sustainability such as proximity to transit, Brownfield revitalization, community legacy areas, decentralized sewage system or projects that support green infrastructure (effluent or digester gas reuse, etc.), energy efficiency and environmental innovation are awarded sustainability points on the project rating system.

- **Green Infrastructure, Water and Energy Efficiency and Environmental Innovation Projects** – The MWIFA has actively solicited “green” projects to be included in the FFY 2022 IUP for funding to help restore Maryland’s waterways as part of the larger Chesapeake Bay restoration goals. Green projects are integral to the innovative approach Maryland has taken through the Chesapeake Bay WIP to address water quality issues throughout the Maryland portion of the Bay watershed. Four (4) projects are identified for green loan totaling \$50,370,400 (180%) of the FFY 2022 Federal Capitalization Grant and \$9,304,600 (22%) of the BIL Supplemental Capitalization Grant, which are being offered priority for loan funding. Based on the above, the FFY 2022 IUP currently has exceeded the assumed 10% minimum of the federal capitalization grant award amount allocated towards green projects.
- **Additional Subsidization and Eligible Recipients** – The FFY 2022 Enacted Appropriation Authority requires a minimum of 10% of the capitalization grant (\$2,798,500) be provided as additional subsidies (e.g., loan principal forgiveness); per the Clean Water Act Authority (as amended by WRRDA and WIIN Act of 2016), between 0% and 30% (\$8,395,500) may be provided as additional subsidization above/beyond the 10% statutory minimum. Under the BIL Clean Water SRF supplemental, 49% of the BIL supplemental must be provided as additional subsidies (e.g., loan principal forgiveness). Additional subsidies are provided to DAC applicants in priority ranking order and readiness to proceed to construction, until the statutory limit is reached. DACs are eligible to receive up to 50% of the WQSRF financing as loan principal forgiveness. It has been MWIFA’s policy to provide loan principal forgiveness not to exceed \$1.5 million per project and/or applicant; however, the Administration reserves the right to provide additional subsidy, should circumstances warrant. The DAC eligibility criteria was revised to incorporate WRRDA requirements after providing an opportunity of public hearing, as follows:
 - (1) Sewer user rate per year per Equivalent Dwelling Unit (EDU) > 1% of Community Median Household Income (MHI); or
 - (2) Project is physically located and benefits an MDE approved Environmental Benefit District; or
 - (3) Project is physically located and benefits a community with MHI less than 70% of State MHI; or
 - (4) Project is physically located and benefits a community in a Maryland County (including Baltimore City) with a high unemployment rate (upper 33rd percentile); or
 - (5) Project is physically located and benefits a community in a Maryland County (including Baltimore City) where the U.S. Census data shows a declining population.

In addition to above criteria, if the statutory limit for additional subsidy has not been reached, up to 25% of the loan amount as loan principal forgiveness may also be provided to projects in priority ranking order with readiness to proceed, where the sewer user rate would increase by more than 20% to achieve financial capacity as determined by MDE. Note: No project on the FFY 2022 IUP is identified for additional subsidy under this section. This may change based on the MWIFA financial review of the borrower undertaken prior to loan closing, which may require user rate increase to achieve financial capacity.

- **Finance Nonpoint Source (NPS) Projects -- Linked Deposit (LD)** – Continue funding privately owned nonpoint source projects using the LD Program. MWIFA is continuing to work with Department of Agriculture and other stakeholders to expand the LD Program to include Concentrated Animal Feeding Operations (CAFOs) and promote this new eligibility with the agricultural community. Since more private entities do not receive a formal mail solicitation to apply for WQSRF loans as local governments do, information regarding the WQSRF LD Program is provided through a cooperative effort between Department of Natural Resources, Department of Agriculture, Local Soil Conservation Districts, Local Health Departments, and Maryland Department of the Environment (MDE). Information

on the LD Program is also available on the MWIFA website. The MWIFA has previously allocated \$23 million of recycled funds (investment earnings/repayments) for eligible private NPS projects to be funded on a first come, first served basis using the LD Program. Based on low demand, MWIFA is not requesting new funds for Linked Deposit activity with the FFY 2022 IUP. For additional information on the LD program, see weblink:

http://mde.maryland.gov/programs/Water/WQFA/Pages/linked_deposit.aspx

- **Expand Financing Options to Include Loan Guarantees** – State law was amended to expand loan guarantee authority under the Maryland Water Quality Revolving Loan Fund ([Ch 292 of 2021 – Environment – Water Quality Revolving Loan Fund – Uses of Fund](#)). Previously State law restricted SRF loan guarantees to financing all or a portion of the cost of a wastewater facility. State law was expanded to match all of the allowable uses of loan guarantee authority under federal law. MWIFA did receive an FFY22 application from the Family Forest Impact Foundation to access MWIFA’s new guarantee authority. MWIFA has included \$2.5 million in SRF funding for this project. Any funding required for the project to fund a debt service reserve, or any defaults would be drawn from recycled funds, not from the capitalization grant.
- **Explore the establishment of a revolving loan fund for land conservation** – State law was amended to emphasize the financing of blue and green infrastructure (Ch 237 and 238 of 2022 – [Conservation Finance Act](#)). One of the items MWIFA will explore under this new authority is capitalizing a new revolving loan fund for an organization engaged in land conservation.

C. Project Selection and Fund Activities under the FFY 2022 IUP

Financial Assistance Applications for water quality projects were solicited by the MWIFA in December 2021 through January 2022 to develop the Maryland Project Priority List (PPL). Project applications were rated and ranked based on the Clean Water Integrated Project Priority Rating/Ranking Criteria (IPPS) and identified in the Maryland PPL for Federal FY 2022 and State FY 2024 Clean Water Funds. This PPL was used to select projects for the FFY 2022 IUP, based on their priority ranking, applicant’s interest in WQSRF loan, and readiness to proceed to construction by December 2023 (unless specifically requesting a planning/design phase loan).

The FFY 2022 IUP includes \$220,457,090 in project funding. Below is a summary of the sources and uses of funds:

SOURCES		USES	
Capitalization Grant	\$ 27,985,000	WQSRF Admin. Exp. (up to 4% of grant)	\$ -
State(Bond/Gen.Fund) Match (20%)	\$ 5,597,000	Transfer to Admin(WRRDA provision)	\$ 3,100,000
BIL Grant	\$ 43,046,000	BIL- Admin 2%	\$ 860,920
State Match (10%)	\$ 4,304,600	Transfer to DWSRF	\$ 40,000,000
		EPA In-Kind	\$ 500,000
Revenue Bonds	\$ 40,000,000	Capital Projects -- Loans & Grants	\$ 220,457,090
Reprogrammed Funding	\$ 26,951,490	SRF Revenue Bond Debt Service (P&I)	\$ 3,437,850
Est.Invest. Earnings/Repayments	\$ 120,471,770	Linked Deposit Program Bank Loans	\$ -
Total	\$ 268,355,860	Total	\$ 268,355,860

All projects identified on the FFY 2022 IUP Table 1 for WQSRF financing are being considered for both below market interest rate loan and loan principal forgiveness funding, provided they are ready-to-proceed to construction by December 31, 2023.

1. **Subsidies for Disadvantaged Communities:** The FFY 2022 Enacted Appropriation Authority requires a minimum of 10% of the capitalization grant (\$2,798,500) be provided as additional subsidies (e.g., loan principal forgiveness); per the Clean Water Act Authority (as amended by WRRDA and WIIN Act of 2016), between 0% and 30% (\$8,395,500) may be provided as additional subsidization above/beyond the 10% statutory minimum. Under the BIL Clean Water SRF supplemental, 49% of the BIL appropriation (\$21,092,540) must be provided as additional subsidies (e.g., loan principal forgiveness). Table 1 identifies borrowers that may qualify as Disadvantaged; however, the extent of subsidy provided (e.g., lower interest rate, loan principal forgiveness) is determined based on the DAC Criteria described in Section B-2, above. The FFY 2022 IUP (Table 1) identifies \$3,610,814 (or 13%) of the capitalization grant, and \$21,092,540 (or

49%) of the BIL supplemental funding in additional subsidies in the form of loan principal forgiveness.

2. **Green Project Reserve:** The FFY 2022 appropriation act specifies that a minimum 10% of the capitalization grant (or \$2,798,500) should be provided to Green Project Reserve projects, provided sufficient applications are received. The FFY 2022 IUP Table 1 identifies \$50,370,400 (or 180%) of the capitalization grant, and \$9,304,600 (or 22%) of the BIL supplemental funding for green project reserve funding.
3. **Administrative Expenses:** With this FFY 2022 IUP, the MWIFA continues to not request the federal (4%) funds for WQSRF program administration. Program administration will be funded from loan administrative fees (see Program Income & Non-Program Income (Non-Federal) below). If the administrative fee is insufficient to cover program operating expenses, the excess will be transferred from the program Total Net Position up to the 1/5% of net asset limit authorized under WRRDA in accordance with FWPCA section 603(d)(7). Based on the most recent audited financial statements as of 06/30/2021, the maximum amount allowed would be \$3,107,938 (Total Net Position of \$1,553,969,444*0.2% = \$3,107,938).
4. **Program Income & Non-Program Income (Non-Federal):** The MWIFA charges loan fees equal to 5% of annual debt service. The details related to the program and non-program income revenue and expenses are provided each year in the annual report. During State FY 2022, MWIFA estimates the fee revenues to be \$5.6 million.
5. **2% Set-Aside for Technical Assistance:** MWIFA is requesting 2% of the BIL Clean Water SRF Supplemental Grant (\$860,920) to provide technical assistance to small and rural systems, with a particular emphasis on disadvantaged communities. MWIFA will be procuring services of a contractor(s) and/or nonprofit(s) to provide this technical assistance. The technical assistance activities will include one-on-one with small and rural systems, and also potentially targeted webinars to small and rural systems.
6. **In-Kind Services for Clean Watersheds Needs Survey:** \$500,000 for EPA for in-kind services to procure a federal contractor to help Maryland complete the 2022 Clean Watersheds Needs Survey.

D. Project Scope of Work/Environmental Benefits – FFY 2022 IUP Projects

The following are examples of the types of projects selected for financial assistance in the FFY 2022 IUP. The environmental benefits of each Section 212 project below, as well as Section 319 projects funded through the direct loan program and LD projects, will be included in the annual report, and entered into the EPA System Database upon loan closing.

Piney Orchard WRF Upgrade to ENR (rank 3/115 points) in Anne Arundel County will upgrade the existing 0.7 MGD wastewater treatment plant which serves approximately 18,000 residential users to enhanced nutrient removal level of treatment. The upgrade will also improve redundancy at the plant, as well as bring the facility into compliance with Anne Arundel County (AACO) Standards and MDE design guidelines. The proposed project will not upgrade the capacity of the plant.

Bedford Road Sanitary Sewer Rehab – Phase VII (rank 28/65 points) in Allegany County involves the replacement and/or rehabilitation of the aging and faulty sanitary sewer system in the Bedford Road Sanitary Sewer District, which consists of approximately 1200 Allegany County residences. Construction will include the repair and/or replacement of failing pipe and manholes. This is the seventh phase of rehabilitation projects in the district and will complete the lining of the entire County maintained portion of the Evitts Creek interceptor.

Montgomery County / M-NCPPC MS4 Round 2 (rank 36/60 points) in Montgomery County involves installing stormwater retrofits, sustainable outfall restoration, and stream restoration that will improve existing degraded conditions in Montgomery County parks in order to meet Phase II MS4 permit requirements. These projects will capture pollutants, reduce erosion, improve stability, enhance habitat, promote infiltration, and improve the health of local waterbodies. By improving ecological function in tributaries throughout the Stream Valley Park system, these projects will contribute to reducing the amounts of nutrients and sediment that ultimately reach the Chesapeake Bay.

Trenton Street Sewage Pumping Station Rehab (rank 38/55 points) in Dorchester County involves the rehabilitation of the Trenton Street sewage pumping station which was originally constructed in 1936 and last

upgraded in 1978. This pumping station is one of Cambridge's largest, with a design capacity of 6 MGD and serving approximately one-third of the City's residents. Proposed work includes structural repairs of the pumping station building, abandonment of the existing wet well, construction of a new wet well and pump vault, and installation of new pumps, controls, valves, and piping. The new dry pit submersible pumps will be much more energy efficient than the existing pumps and should provide a minimum 20% reduction in energy usage.

E. Minority Business Enterprises/Women's Business Enterprises (M/WBE) Participation

The EPA and MDE negotiated fair share goals for FFYs 2019, 2020, and 2021 based on the Maryland Department of Transportation 2018 disparity/availability study. Based on these negotiations, MDE set goals of 22% MBE and 16% WBE for the "construction" category (total 38% M/WBE), an increase of 4% over the 34% goal applicable for the previous three-year period. While EPA suspended the requirement for fair share negotiations via RAIN-2019-G10 in October 2019, MDE has elected to keep these previously negotiated percentages in place to serve as aspirational goals on WQSRF projects.

These goals will be applicable to all projects financed using WQSRF (loans, loan principal forgiveness). MDE provides WQSRF applicants an "Insert" for inclusion in procurement/bid documents, which outlines the M/WBE (%) goals and the affirmative/positive steps necessary to show a good faith effort consistent with federal regulations under 40 CFR Part 33. Failure to meet the M/WBE goals does not preclude the use of the SRF, as long as the good faith efforts can be demonstrated and documented. It is important that the loan recipients and their prime contractors undertake the necessary affirmative/positive steps to assure that M/WBE firms are afforded the opportunity to participate in SRF projects. All subcontractors selected to participate on the project are also subject to these Good Faith Efforts requirements when further subcontracting or dividing a scope of work. M/WBE Program details and forms are available on MDE's web site at <http://mde.maryland.gov/programs/Water/WQFA/Pages/mwbe.aspx>.

F. Assurances

The Department agrees to comply with the Federal program requirements as outlined in the Operating Agreement between EPA and MDE, amended as of April 2014, and further updated as of February 2016.

G. Binding Commitments

The projected binding commitments will occur at or around the construction start date indicated for each project in Table 1.

H. Public Review of the Draft FFY 2022 IUP

The 30-day public comment period started June 30, 2022. On that date, an email was sent to all applicants who submitted Financial Assistance Applications (and others), informing them of the availability of the Draft IUP/PPL on MDE's website. The interested parties list includes representatives from state and local government, environmental consultants/engineers, community groups, neighborhood associations, environmental organizations, etc. Additionally, MWIFA provided an email notification to the following Maryland Commissions/Committees to share with their membership and interested parties' lists: the Commission on Environmental Justice and Sustainable Communities, the Children's Environmental Health and Protection Advisory Council, and the Bay Restoration Fund Advisory Committee. MWIFA also coordinated with MDE's Communications Office to ensure that the draft IUP documents are shared via the Department's various social media accounts. MWIFA will also share the draft IUP with the Maryland General Assembly. Public comments will be received through July 30, 2022, and the comment period will close on that date. MWIFA will be available to answer any questions that arise during the comment period to ensure the public fully understands what is being proposed in the IUP. MWIFA will be as responsive as possible regarding any comments or concerns raised during the public comment period. The Public Hearing Responsiveness Summary and all comments received will be shared with EPA upon closure of the public comment period and finalization of the Public Hearing Responsiveness Summary. The Responsiveness Summary will indicate what action MDE took on comments submitted.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
MARYLAND WATER INFRASTRUCTURE FINANCING ADMINISTRATION
DRAFT FFY 2022 (SFY 2024) INTENDED USE PLAN
MARYLAND WATER QUALITY REVOLVING LOAN FUND

TABLE 1: WQSRF FFY 2022 IUP PROJECT FUNDING LIST

APPLICANT	COUNTY	PROJECT NAME (MDE PROJECT NUMBER)	WQSRF TOTAL FUNDING	WQSRF BASE LOAN	WQSRF BASE LOAN FORGIVE.	BIL LOAN	BIL LOAN FORGIVE.	TOTAL GREEN LOAN/PF		PRIORITY RANK	SCORING POINTS	DAC COMMUNITY	PROJECT TYPE	CONST. START	COMMENTS
								WQSRF BASE	BIL						
CALVERT COUNTY BOARD OF COUNTY COMMISSIONERS	CALVERT	HIGHLANDS SEWER SYSTEM (CW0087/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1	115	N	SMALL	5/1/2023	Bypass - Water & Sewer and PFA issues
TOWN OF HEBRON	WICOMICO	TOWN OF HEBRON WWTP REPLACEMENT (CW0061/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2	115	Y	SMALL	9/1/2023	Potential SFY24 grant
ANNE ARUNDEL COUNTY	ANNE ARUNDEL	PINEY ORCHARD WRF UPGRADE TO ENR (CW0085/24)	\$ 23,265,610	\$ 23,265,610	\$ -	\$ -	\$ -	\$ -	\$ -	3	115	N	LARGE	9/1/2023	Potential SFY24 grant
WICOMICO COUNTY	WICOMICO	MARDELA SPRINGS WWTP AND SEWER SYSTEM (CW0022/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4	110	Y	SMALL	9/1/2023	Bypass - Water & Sewer and PFA issues
ANNE ARUNDEL COUNTY	ANNE ARUNDEL	ANNE ARUNDEL COUNTY SEPTIC TO SEWER PROGRAM (CW0084/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5	105	N	LARGE	11/1/2023	Bypass - PFA issue
WICOMICO COUNTY	WICOMICO	PARSONSBURG VILLAGE WWTP AND SEWER SYSTEM(CW0023/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6	100	Y	SMALL	12/1/2023	Bypass - Water & Sewer and PFA issues
WICOMICO COUNTY	WICOMICO	NANTICOKE-BIVALVE-TYASKIN WWTP AND SEWER SYSTEM (CW0024/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7	100	Y	SMALL	12/1/2023	Bypass - Water & Sewer and PFA issues
WICOMICO COUNTY	WICOMICO	COULBOURNE MILL COMMUNITY WWTP AND SEWER SYSTEM (CW0021/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8	100	Y	SMALL	12/1/2023	Bypass - Water & Sewer and PFA issues
TOWN OF GREENSBORO	CAROLINE	GREENSBORO REGIONAL WW SYSTEM EXPANSION (CW0063/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	9	100	Y	SMALL	4/1/2023	Potential SFY24 grant
GARRETT COUNTY SANITARY DISTRICT, INC.	GARRETT	OAKLAND TROUT RUN WWTP AND SEWER SYSTEM (CW0088/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10	100	Y	SMALL	3/1/2023	Bypass - PFA issue
BURGESS AND COMMISSIONERS OF MIDDLETOWN	FREDERICK	MIDDLETOWN WEST WWTP UPGRADE (CW0005/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	11	100	N	SMALL	10/1/2025	Bypass - Water & Sewer issues
TOWN COUNCIL OF CENTREVILLE	QUEEN ANNE'S	CENTREVILLE WWTP EXPANSION (CW0051/24)	\$ 14,939,500	\$ 14,939,500	\$ -	\$ -	\$ -	\$ -	\$ -	12	100	N	SMALL	3/1/2024	Potential SFY24 grant
TALBOT COUNTY	TALBOT	REGION V-TILGHMAN ENR TREATMENT & SEPTIC SYSTEM ELIMINATION (CW0068/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13	95	Y	SMALL	1/1/2026	Bypass - Water & Sewer and PFA issues; ENR not cost-effective
WICOMICO COUNTY	WICOMICO	WHITEHAVEN VILLAGE WWTP AND SEWER SYSTEM (CW0025/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14	80	Y	SMALL	12/1/2023	Bypass - Water & Sewer and PFA issues
MAYOR AND CITY COUNCIL OF BALTIMORE	BALTIMORE CITY	BALTIMORE CITY MS4 PROGRAM(CW0019/24) (GREEN)	\$ 25,000,000	\$ 17,195,400	\$ 1,500,000	\$ 5,304,600	\$ 1,000,000	\$ 18,695,400	\$ 6,304,600	15	80	Y	LARGE	7/1/2022	Partially replace prior WQSRF funding
TOWN OF LONA CONING	ALLEGANY	CHARLESTOWN DAM DECOMMISSIONING/STREAM RESTORATION (CW0035/24)	\$ 798,520	\$ -	\$ -	\$ 399,260	\$ 399,260	\$ -	\$ -	16	80	Y	SMALL	11/1/2022	Replace prior WQSRF funding
FAMILY FOREST IMPACT FOUNDATION	ALLEGANY	FAMILY FOREST IMPACT PROGRAM (LOAN GUARANTEE) (CW0091/24) (GREEN)	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 2,500,000	\$ -	17	80	N	SMALL	1/1/2023	
TOWN OF LONA CONING	ALLEGANY	MIDLAND/GILMORE DAM REPAIR/STREAM RESTORATION (CW0034/24)	\$ 399,076	\$ -	\$ -	\$ 199,538	\$ 199,538	\$ -	\$ -	18	80	Y	SMALL	11/1/2022	Replace prior WQSRF funding
TOWN OF HURLOCK	DORCHESTER	JONES VILLAGE SEPTIC ELIMINATION PROJECT (CW0048/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19	75	Y	SMALL	12/1/2023	Bypass - Water & Sewer issues
TALBOT COUNTY	TALBOT	REGION V-SEWER EXTENSION TO FAIRBANK AND BAR NECK VILLAGES (CW0067/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20	75	Y	SMALL	11/1/2022	Bypass - Water & Sewer issues
CITY OF FRUITLAND	WICOMICO	FRUITLAND TUXENTS BRANCH DRAINAGE(CW0059/24) (GREEN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21	75	Y	SMALL	4/1/2023	Fully funded with prior WQSRF & State Grant
OVERLEA SEWER CONSORTIUM	MONTGOMERY	OVERLEA DRIVE SEWER CONSTRUCTION PROJECT (CW0090/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22	75	N	LARGE	06/01/2022	Loan unwanted; private - ineligible for loan
TALBOT COUNTY	TALBOT	REPLACEMENT WWTP FOR THE PRESERVE AT WYE MILLS (CW0070/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23	70	Y	SMALL	4/1/2023	Potential SFY24 grant
COLLEGE OF SOUTHERN MARYLAND	CHARLES	WWTP UPGRADE COLLEGE OF SOUTHERN MARYLAND (CW0083/24)	\$ 1,625,000	\$ 1,625,000	\$ -	\$ -	\$ -	\$ -	\$ -	24	70	N	SMALL	7/1/2023	Potential SFY24 grant
CARROLL COUNTY COMMISSIONERS	CARROLL	HAMPSTEAD VALLEY WATERSHED RESTORATION (CW0073/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25	70	N	LARGE	11/1/2023	Loan unwanted
THE HABONIM CAMP ASSOCIATION CO., INC.	HARFORD	CAMP MOSHAVA WASTEWATER SYSTEM (CW0078/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26	65	N	SMALL	8/1/2023	Loan unwanted - Potential SFY24 grant
TOWN OF CECILTON	CECIL	CECILTON WWTP (CW0045/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27	65	Y	SMALL	11/1/2023	Loan unwanted - Potential SFY24 grant
ALLEGANY COUNTY COMMISSIONERS	ALLEGANY	BEDFORD ROAD SANITARY SEWER REHAB-PHASE VII (CW0027/24)	\$ 1,000,000	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ -	\$ -	28	65	Y	SMALL	12/1/2022	
CITY OF FROSTBURG	ALLEGANY	FROSTBURG CSO ELIMINATION PROJECT PHASE X-C (CW0031/24)	\$ 3,000,000	\$ 110,814	\$ 110,814	\$ 1,389,186	\$ 1,389,186	\$ -	\$ -	29	65	Y	SMALL	6/1/2023	Potential SFY24 grant
MAYOR AND CITY COUNCIL OF CUMBERLAND	ALLEGANY	EVITTS CREEK CSO UPGRADES PHASE IV INTERCEPTOR SEWER TO ECPS (CW0030/24)	\$ 3,550,900	\$ 550,900	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	30	65	Y	LARGE	12/1/2023	
MAYOR AND CITY COUNCIL OF CUMBERLAND	ALLEGANY	EVITTS CREEK CSO UPGRADES PHASE III GRAVITY SEWER THROUGH CSX RAILYARD (CW0029/24)	\$ 2,141,112	\$ -	\$ -	\$ 1,070,556	\$ 1,070,556	\$ -	\$ -	31	65	Y	LARGE	7/1/2023	
MAYOR AND CITY COUNCIL OF CUMBERLAND	ALLEGANY	78" PARALLEL PIPELINE FROM MILL RACE TO CSO STORAGE (PROJECT # 19-16-S) (CW0028/24)	\$ 12,609,000	\$ 9,609,000	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	32	65	Y	LARGE	1/1/2023	Funding in addition to prior WQSRF & State Grant
ST. MARYS COUNTY METROPOLITAN COMMISSION	ST. MARYS	ST. CLEMENT SHORES WWTP ENR UPGRADE (CW0055/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33	60	N	SMALL	9/1/2023	Loan unwanted - Potential SFY24 grant
CITY OF BRUNSWICK	FREDERICK	BRUNSWICK SEPTIC CONNECTIONS TO WWTP (CW0003/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34	60	N	SMALL	2/1/2023	Loan unwanted
WASHINGTON SUBURBAN SANITARY COMMISSION	PRINCE GEORGES	PISCATAWAY WRRF BIO ENERGY PROJECT (CW0056/24) (GREEN)	\$ 25,000,000	\$ 21,000,000	\$ 1,000,000	\$ 1,500,000	\$ 1,500,000	\$ 22,000,000	\$ 3,000,000	35	60	Y	LARGE	6/1/2019	
MONTGOMERY COUNTY DEPT ENVIRONMENTAL PROTECTION	MONTGOMERY	MONTGOMERY COUNTY/M-NCPCC MS4 ROUND 2 (CW0089/24) (GREEN)	\$ 7,175,000	\$ 6,175,000	\$ 1,000,000	\$ -	\$ -	\$ 7,175,000	\$ -	36	60	N	LARGE		
WASHINGTON SUBURBAN SANITARY COMMISSION	PR GEO/MONT	SANITARY SEWER RECONSTRUCTION PROGRAM - SECTION 7 (CW0026/24)	\$ 25,000,000	\$ 22,000,000	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	37	60	Y	LARGE	12/1/2023	
COMMISSIONERS OF CAMBRIDGE	DORCHESTER	TRENTON STREET SEWAGE PUMPING STATION REHAB (CW0050/24)	\$ 3,044,000	\$ 44,000	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	38	55	Y	LARGE	6/1/2023	
CITY OF BRUNSWICK	FREDERICK	BRUNSWICK STREAM RESTORATION (CW0004/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39	50	N	SMALL	11/1/2023	Loan unwanted
MAYOR AND CITY COUNCIL OF CUMBERLAND	ALLEGANY	WRF GRIT SEPARATION AND UV DISINFECTION (CW0033/24)	\$ 4,445,000	\$ 1,445,000	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	40	45	Y	LARGE	7/1/2024	
TOWN OF LUKE	ALLEGANY	TOWN OF LUKE SEWER COLLECTION SYSTEM-PHASE 3 (CW0036/24)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	41	40	Y	SMALL	6/1/2023	Loan unwanted - Potential SFY24 grant
CITY OF CRISFIELD	SOMERSET	JERSEY ISLAND WASTEWATER PUMP STATION REPLACEMENT (CW0053/24)	\$ 650,000	\$ -	\$ -	\$ 325,000	\$ 325,000	\$ -	\$ -	42	40	Y	SMALL	5/1/2023	
TOWN OF WESTERNPORT	ALLEGANY	WESTERNPORT SANITARY SEWER REPLACEMENT (CW0088/24)	\$ 21,165,000	\$ 18,165,000	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	43	40	Y	SMALL	4/1/2023	Potential SFY24 grant
TALBOT COUNTY	TALBOT	WINDMILL FORCE MAIN REPLACEMENT (CW0071/24)	\$ 2,418,000	\$ -	\$ -	\$ 1,209,000	\$ 1,209,000	\$ -	\$ -	44	40	Y	LARGE	1/1/2023	
MAYOR AND CITY COUNCIL OF BALTIMORE	BALTIMORE CITY	SC-1014 JONES FALLS SEWERSHED I&I REDUCTION PROJ 01 (CW0015/24)	\$ 12,584,826	\$ 9,584,826	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	45	40	Y	LARGE	12/1/2023	
MAYOR AND CITY COUNCIL OF BALTIMORE	BALTIMORE CITY	SC-1016 JONES FALLS SEWERSHED I&I REDUCTION PROJ 03 (CW0016/24)	\$ 10,896,546	\$ 7,896,546	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	46	40	Y	LARGE	12/1/2023	
CITY OF HAGERSTOWN	WASHINGTON	EDGEMONT RESERVOIR EMERGENCY REPAIR (CW0038/24)	\$ 17,250,000	\$ 14,250,000	\$ -	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	47	35	Y	LARGE	10/1/2023	Replace prior WQSRF funding
			\$ 220,457,090	\$ 170,356,596	\$ 3,610,814	\$ 25,397,140	\$ 21,092,540	\$ 50,370,400	\$ 9,304,600						
				Max 30% LF test	\$ 8,395,500	49% LF test	\$ 21,092,540	\$ 2,798,500	\$ 4,304,600	Min 10% Green test					

WQSRF FFY 2022 IUP - Sources & Uses

Total Sources	\$ 268,355,860	Total Uses	\$ 268,355,860
Federal Funds for Capital Projects-Base Grant	\$ 27,985,000	Capital projects - Loans and Grants	\$ 220,457,090
State Match for Base for Capital Projects	\$ 5,597,000	SRF Revenue Bond Debt Service (P&I)	\$ 3,437,850
Federal Funds for Capital Projects-BIL Grant	\$ 43,046,000	CWSRF Transfer to DWSRF	\$ 40,000,000
State Match for BIL for Capital Projects	\$ 4,304,600	2% Admin for Technical Assistance for Small Systems	\$ 860,920
Total Revenue Bonds	\$ 40,000,000	EPA in Kind - Clean Watershed Need Survey	\$ 500,000
Est. Invest. Earnings/Repayments/Reprogrammed Funds	\$ 147,423,260	Transfer to Admin (WRRDA provision)	\$ 3,100,000

Cash Flow/ Proportionality	Total	Capital Proportionality
Federal Capital-Base Grant	\$ 27,985,000	83.33%
State Match	\$ 5,597,000	16.67%
Total Base Grant	\$ 33,582,000	100.00%
Federal Capital-BIL Grant	\$ 43,046,000	90.91%
State Match	\$ 4,304,600	9.09%
Total BIL Grant	\$ 47,350,600	100.00%

Loan Forgiveness/Grant - Base Grant	\$ 3,610,814	Green \$ Cap. Grant	3	\$ 50,370,400
Loan Forgiveness/Grant - BIL Grant	\$ 21,092,540	% of Cap. Grant		179.99%
% of Cap. Grant	13%	Green \$ BIL	1	\$ 9,304,600
% of BIL Grant	49%	% of BIL		22%

> 10% (green requirement met)

Equivalency Projects for the Purpose of Federal Compliance (e.g. FFATA)		
Equivalency projects - Base Grant	13	\$ 126,962,300
Equivalency projects - BIL Grant	15	\$ 44,642,084

Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 24, 2022

Drinking Water Funds (State Revolving Loan/ State Grant)

Page 1

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1 117 AUDIT PLAN	NEW WINTERS RUN WATER TREATMENT FACILITY (MD0120003) Ben.Pop= 15,500 DW0016	PROBLEM: 70-YEAR OLD PLANT SITUATED IN 100-YR FLOOD PLAIN+TREATMENT REQUIRED FOR CRYPTOSPORIDIUM IN SUPPLY PROJECT: CONSTRUCT NEW 2 MGD WATER TREATMENT PLANT IN STAGES TO REPLACE AGING PLANT	BARRY L. SUITS MARYLAND AMERICAN WATER <i>System Size = Large</i> Harford County	34B 1	W/S: N PFA: 3 CD: 1 PRIVATE LARGE	<i>Design</i> 06/01/2021 <i>Construction</i> 09/01/2022 06/30/2024	18,000,000 TREATMENT	9,000,000 <u>Loan \$</u> 9,000,000 LOAN INTEREST
2 110 AUDIT	POCOMOKE CITY WIIN-CIPP LINING MARKET STREET MAINS - PHASE I (MD023006) Ben.Pop= 4,075 DW0004	PROBLEM: HIGH RUST AND CONTAMINANTS IN WATER SYSTEM PROJECT: RELINE WATER MAINS USING CIPP LINING PROCESS	LINDA MCNEIL POCOMOKE CITY <i>System Size = Small</i> Worcester County	38A 1	W/S: Y PFA: 2 CD: 1 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 06/01/2022 <i>Construction</i> 05/01/2023 05/31/2024	2,256,700 TRANSMISSION/ DISTRIBUTION	843,923 LOAN UNWANTED
3 100 AUDIT	BRIERCREST APARTMENTS WATER SERVICE (MD0100004) Ben.Pop= 60 DW0017	PROBLEM: CONTAMINATED DRINKING WATER SOURCE SERVING 24 APARTMENT UNITS, PROJECT: CONSTRUCT 94 LF OF 8-IN WATER MAIN TO CONNECT APARTMENTS TO FREDERICK CO CAMBRIDGE FARMS WATER SYSTEM (PWS MD 0100033)	RODNEY WINEBRENNER FREDERICK COUNTY <i>System Size = Small</i> Frederick County	3B 6	W/S: Y PFA: Y CD: 1 Compliance PRIVATE SMALL	<i>Design</i> 01/01/2023 <i>Construction</i> 10/01/2023 12/31/2023	121,178 TRANSMISSION/ DISTRIBUTION	121,178 <u>Loan \$</u> 121,178 LOAN INTEREST
4 97 AUDIT PLAN	WINCHESTER ROAD WATER LINE REPLACEMENT (LAVALE) (MD0010016) Ben.Pop= 6,218 DW0025	PROBLEM: AGING AND FAILING WATER MAIN REQUIRES REPLACEMENT PROJECT: REPLACE ~15,000 LF WATER TRANSMISSION MAIN ALONG WINCHESTER ROAD IN LAVALE	DAVID S. WENDT LAVALE SANITARY DISTRICT <i>System Size = Small</i> Allegany County	1B 6	W/S: Y PFA: Y CD: 1 PUBLIC SMALL DISADV.	<i>Design</i> 02/01/2022 <i>Construction</i> 06/01/2023 12/31/2024	5,072,800 TRANSMISSION/ DISTRIBUTION	4,602,800 <u>Loan \$</u> 4,602,800 LOAN INTEREST
5 97 AUDIT	SPRINGFIELD WELLS / FAIRHAVEN WELL HOUSE (MD006002) Ben.Pop= 32,673 DW0015	PROBLEM: PROVIDE A RELIABLE SUPPLEMENTAL AND BACKUP GROUNDWATER SUPPLY TO LIBERTY RESERVOIR PROJECT: DRILL 2 ADDITIONAL WELLS AND RESTORE FAIRHAVEN WELL AND WELLHOUSE TO OPERATING ORDER	JEFFREY D. CASTONGUAY BOARD OF CARROLL CO COMMISSIONERS <i>System Size = Large</i> Carroll County	9A 8	W/S: N PFA: Y CD: 1 PUBLIC LARGE	<i>Design</i> 03/01/2021 <i>Construction</i> 03/01/2023 05/31/2024	4,030,000 SOURCE	1,000,000 LOAN UNWANTED

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 24, 2022

Drinking Water Funds (State Revolving Loan/ State Grant)

Page 2

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6 95	SPRINGVIEW MOBILE HOME PARK WATER SERVICE (MD0100030) Ben.Pop= 93 DW0021	PROBLEM: SOURCE DRINKING WATER CONTAMINATED WITH PFOA AND PFOS PROJECT: INSTALL 1,321 LF 8-IN WATER MAIN + 2-IN CONNECTION, ETC TO CONNECT TO NEW DESIGN WATER SYS IN FRED CO	RODNEY WINEBRENNER FREDERICK COUNTY <i>System Size = Small</i> Frederick County	3B 8	W/S: Y PFA: Y CD: 1 Compliance PUBLIC LARGE	<i>Design</i> 01/01/2023 <i>Construction</i> 11/01/2023 03/31/2024	632,772 TRANSMISSION/ DISTRIBUTION	632,772 <u>Loan \$</u> 632,772 LOAN INTEREST
7 90	COULBOURNE LANE WELL BACKUP POWER (MD0230007) Ben.Pop= 2,150 DW0002	PROBLEM: NO BACKUP POWER TO LARGEST PRODUCING WELL FOR WATER SYSTEM PROJECT: FURNISH AND INSTALL EMERGENCY GENERATOR AND AUTOMATIC TRANSFER SWITCH TO TOWN'S LARGEST PRODUCTION WELL	RICK POLLITT TOWN OF SNOW HILL <i>System Size = Small</i> Worcester County	38B 1	W/S: Y PFA: Y CD: 1 PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 06/01/2023 07/31/2023	223,064 SOURCE	218,064 <u>Loan \$</u> 218,064 LOAN INTEREST
8 90 GREEN (G) AUDIT	EMMITSBURG NORTH SETON AVENUE WATER LINE REPLACEMENT (MD0100010) Ben.Pop= 2,770 DW0018	PROBLEM: WATER PRESSURE COMPLIANCE AND RESOLVE WATER QUALITY COMPLAINTS PROJECT: REPLACE 1,584 LF OF DETERIORATING 6-IN AND 4-IN UNLINED CAST IRON PIPING WITH NEW 8-IN DUCTILE IRON PIPE ALONG N. SETON AV	CATHY WILLETS TOWN OF EMMITSBURG <i>System Size = Small</i> Frederick County	4 8	W/S: Y PFA: Y CD: 1 PUBLIC SMALL	<i>Design</i> 09/01/2022 <i>Construction</i> 10/01/2023 01/31/2024	1,170,552 <u>Green \$</u> 267,552 TRANSMISSION/ DISTRIBUTION	1,145,552 <u>Loan \$</u> 1,145,552 LOAN INTEREST
9 90 AUDIT	EMMITSBURG DEPAUL STREET WATER LINE REPLACEMENT (MD0100010) Ben.Pop= 6,925 DW0019	PROBLEM: WATER PRESSURE COMPLIANCE AND RESOLVE WATER QUALITY COMPLAINTS PROJECT: REPLACE 1,850 LF 6-IN AND 4-IN UNLINED CAST IRON PIPING WITH 8-IN DUCTILE IRON PIPE	CATHY WILLETS TOWN OF EMMITSBURG <i>System Size = Small</i> Frederick County	4 8	W/S: Y PFA: Y CD: 1 PUBLIC SMALL	<i>Design</i> 09/01/2022 <i>Construction</i> 10/01/2023 01/31/2024	1,135,000 TRANSMISSION/ DISTRIBUTION	1,110,000 <u>Loan \$</u> 1,110,000 LOAN INTEREST
10 90 AUDIT PLAN	MACK WATER STORAGE TANK REPLACEMENT (MD0210010) Ben.Pop= 25,580 DW0034	PROBLEM: TANK HAS EXCEEDED USEFUL LIFE AND DEVELOPS LEAKS. EXTENDED REPAIRS LEAVE FIRE PROTECTION VULNERABLE. PROJECT: REPLACE 50+ YEAR OLD 1M GAL GROUND STORAGE TANK	WILLIAM LUHN CITY OF HAGERSTOWN -- UTILITIES DEPARTMENT <i>System Size = Large</i> Washington County	2C 6	W/S: Y PFA: 2 CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 05/01/2023 12/31/2023	4,600,000 STORAGE	4,000,000 <u>Loan \$</u> 4,000,000 LOAN INTEREST

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 24, 2022

Drinking Water Funds (State Revolving Loan/ State Grant)

Page 3

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11 87 AUDIT PLAN	POWHATAN STREET WATER MAIN REPLACEMENT (MD0150005) Ben.Pop= 573 DW0042	PROBLEM: BARE CAST IRON MAINS WITH TUBERCULATION AND BREAKS PROJECT: REPLACE 1.85 MI SMALL DIA 4-IN, 8-IN, 10-IN & 12-IN WATER MAINS IN NEW CARROLLTON	CAVILLE STANBURY-WOOLERY WASHINGTON SUBURBAN SANITARY COMMISSION <i>System Size = Large</i> WSSC	22 5	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 10/01/2017 <i>Construction</i> 06/01/2023 07/31/2024	2,461,000 TRANSMISSION/ DISTRIBUTION	2,461,000 <u>Loan \$</u> 2,461,000 LOAN INTEREST
12 80 AUDIT PLAN	HORIZON WAY WATER MAIN REPLACEMENT (MD0150005) Ben.Pop= 610 DW0041	PROBLEM: BARE CAST IRON MAINS WITH TUBERCULATION AND BREAKS PROJECT: REPLACE 2.30 MI SMALL DIA 4-IN, 8-IN & 10-IN WATER MAINS IN FORESTVILLE AND DISTRICT HGTS	CAVILLE STANBURY-WOOLERY WASHINGTON SUBURBAN SANITARY COMMISSION <i>System Size = Small</i> WSSC	25 4	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 04/01/2018 <i>Construction</i> 06/01/2023 10/31/2024	3,400,000 TRANSMISSION/ DISTRIBUTION	3,400,000 <u>Loan \$</u> 3,400,000 LOAN INTEREST
13 80 AUDIT	TOWN OF GRANTSVILLE CHESTNUT RIDGE WATER SYSTEM (MD) Ben.Pop= 920 DW0030	PROBLEM: AREA NOT SERVED BY PUBLIC WATER EXPERIENCING EXCESS SALT IN WELLS FROM RT 40 PROJECT: CONSTRUCT NEW PUBLIC WATER SYSTEM FOR CHESTNUT RIDGE COMMUNITY, INCL 12-IN MAIN, NEW WTP, NEW WELL, & NEW 470,000 GAL TANK	ROBIN JONES TOWN OF GRANTSVILLE <i>System Size = Small</i> Garrett County	1A 6	W/S: Y PFA: Y CD: 1 PUBLIC SMALL DISADV.	<i>Design</i> 03/01/2022 <i>Construction</i> 05/01/2023 08/31/2024	8,064,990 OTHER	8,035,000 <u>Loan \$</u> 8,035,000 LOAN INTEREST
14 75 GREEN (W) AUDIT PLAN	BOONSBORO DRINKING WATER RESERVOIR REPLACEMENT (MD0210002) Ben.Pop= 7,528 DW0036	PROBLEM: 1.5M GAL DRINKING WATER RESERVOIR LEAKS 15,000-25,000 GPD PROJECT: REPLACE LEAKING DRINKING WATER IMPOUNDMENT WITH PRESTRESSED CONCRETE SPLIT-TANK RESERVOIR	PAUL MANTELLO TOWN OF BOONSBORO <i>System Size = Small</i> Washington County	2A 6	W/S: Y PFA: 2 CD: 1 PUBLIC SMALL	<i>Design</i> 02/01/2022 <i>Construction</i> 01/01/2023 12/31/2023	4,100,000 STORAGE	1,000,000 LOAN UNWANTED
15 72 AUDIT PLAN	MONTGOMERY KNOLLS WATER MAIN REPLACEMENT (MD0150005) Ben.Pop= 388 DW0040	PROBLEM: BARE CAST IRON MAINS WITH TUBERCULATION AND BREAKS PROJECT: REPLACE 2.77 MI SMALL DIA 8-IN & 10-IN WATER MAINS	CAVILLE STANBURY-WOOLERY WASHINGTON SUBURBAN SANITARY COMMISSION <i>System Size = Large</i> WSSC	20 8	W/S: Y PFA: Y CD: 1 PUBLIC LARGE	<i>Design</i> 10/01/2019 <i>Construction</i> 03/01/2023 10/31/2024	4,416,000 TRANSMISSION/ DISTRIBUTION	4,416,000 <u>Loan \$</u> 4,416,000 LOAN INTEREST

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 24, 2022

Drinking Water Funds (State Revolving Loan/ State Grant)

Page 4

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16 72 AUDIT PLAN	WC-1199 ASHBURTON PUMPING STATION REHABILITATION (MD0300002) Ben.Pop= 1,800,000 DW0007	PROBLEM: PUMP STATION FOR ASHBURTON RESERVOIR IS AGING/UNRELIABLE PROJECT: CONSTRUCT MAJOR MODS TO HYDRAULIC, MECHANICAL, AND ELECTRICAL SYSTEMS AS WELL AS THE STRUCTURE	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	41 7	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 07/01/2014 <i>Construction</i> 07/01/2023 07/31/2027	67,964,878 TRANSMISSION/ DISTRIBUTION	27,818,640 <u>Loan \$</u> 27,818,640 LOAN INTEREST
17 72 AUDIT PLAN	WC-1199 ASHBURTON PUMPING STATION REHABILITATION (MD0300002) Ben.Pop= ? DW0022	PROBLEM: PUMP STATION FOR ASHBURTON RESERVOIR IS AGING/UNRELIABLE PROJECT: CONSTRUCT MAJOR MODS TO HYDRAULIC, MECHANICAL, AND ELECTRICAL SYSTEMS AS WELL AS THE STRUCTURE	ROBERT BURROS BALTIMORE COUNTY, MARYLAND <i>System Size = Large</i> Baltimore County	41 7	W/S: Y PFA: Y CD: 1 PUBLIC LARGE	<i>Design</i> 07/01/2014 <i>Construction</i> 07/01/2023 07/31/2027	0 TRANSMISSION/ DISTRIBUTION	31,943,493 <u>Loan \$</u> 31,943,493 LOAN INTEREST
18 70 AUDIT	YOURTEE SPRINGS WATER DISTRIBUTION (MD0100005) Ben.Pop= 2,363 DW0020	PROBLEM: FREQUENT BREAKS - 85-YEAR-OLD WATER LINE SUPPLIES 20% OF DRINKING WATER TO CITY OF BRUNSWICK - OUTAGES AND CONTAMINATION PROJECT: RE-LINE THE ENTIRE 8-MILE YOURTEE DISTRIBUTION LINE	DAVID DUNN MAYOR & COUNCIL CITY OF BRUNSWICK <i>System Size = Small</i> Frederick County	4/6 6	W/S: Y PFA: 2 CD: 1 Compliance PUBLIC SMALL	<i>Design</i> 02/01/2022 <i>Construction</i> 12/01/2022 12/31/2023	5,000,000 TRANSMISSION/ DISTRIBUTION	4,200,000 LOAN UNWANTED
19 70 GREEN (W)	TOWN OF WESTERNPORT - WATER DISTRIBUTION SYSTEM IMPROVEMENTS - PHASES 5-7 (MD0010033) Ben.Pop= 2,448 DW0038	PROBLEM: FAILING WATER MAINS OVER 100 YR OLD. CONTINUATION OF REPLACEMENTS. PROJECT: REPLACE 53,000 LF WATER MAINS, 2 PUMP STATIONS, 2 GROUND-MOUNTED WATER STORAGE TANKS, VALVES, HYDRANTS, & APPURTENANCES	AARON LATTANZIA TOWN OF WESTERNPORT <i>System Size = Small</i> Allegany County	1A 6	W/S: Y PFA: Y CD: 1 PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2019 <i>Construction</i> 12/01/2023 12/31/2024	18,192,000 TRANSMISSION/ DISTRIBUTION	18,162,000 <u>Loan \$</u> 18,162,000 LOAN INTEREST
20 70 AUDIT PLAN	TRANSMISSION MAINS REPLACEMENT-HAGERSTOWN (MD210010) Ben.Pop= 108,600 DW0033	PROBLEM: DETERIORATED 90+ YEAR OLD TRANSMISSION MAIN PIPING WITH INCREASING FAILURES PROJECT: PHASE 2 OF MULTI-PHASE PROJ. REPLACE 6,000 LF OF 2 PARALLEL 24-IN MAINS WITH DUCTILE IRON 36-IN MAINS	WILLIAM LUHN CITY OF HAGERSTOWN -- UTILITIES DEPARTMENT <i>System Size = Large</i> Washington County	2C 6	W/S: Y PFA: 2 CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 10/01/2023 12/31/2026	17,250,000 TRANSMISSION/ DISTRIBUTION	15,000,000 <u>Loan \$</u> 15,000,000 LOAN INTEREST

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Page 5

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding
21 65 AUDIT	FRANKLIN AVENUE WELL REPLACEMENT (MD0230001) Ben.Pop= 5,045 DW0003	PROBLEM: WELL #2 IS 58 YEARS OLD AND HAS OUTLIVED ITS USEFUL LIFE - REPLACEMENT NEEDED FOR REDUNDANT WATER SUPPLY TO SYSTEM PROJECT: BUILD TEST WELL AND REPLACE WELL #2	JEFF FLEETWOOD TOWN OF BERLIN <i>System Size = Small</i> Worcester County	38C 1	W/S: Y PFA: Y CD: 1 PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 06/01/2023 08/31/2023	160,000 SOURCE	130,000 <u>Loan \$</u> 130,000 LOAN INTEREST
22 65 AUDIT	TOWN OF GRANTSVILLE WATER IMPROVEMENT PROJECT (MD) Ben.Pop= 9,200 DW0031	PROBLEM: GRANTSVILLE WATER LEAKS, SERVICE SPRINGS GO DRY IN SUMMER, AGING INFRASTRUCTURE FROM 1930S PROJECT: CONSOLIDATE GRANTSVILLE WTP AND GREEN WTP, ABANDON GRANTSVILLE WTP, EXPAND GREEN WTP CAPACITY+ADD 420,000-GAL TANK AT GREEN	ROBIN JONES TOWN OF GRANTSVILLE <i>System Size = Small</i> Garrett County	1A 6	W/S: N PFA: Y CD: 1 PUBLIC SMALL DISADV.	<i>Design</i> 03/01/2022 <i>Construction</i> 05/01/2023 08/31/2024	9,182,990 OTHER	9,153,000 <u>Loan \$</u> 9,153,000 LOAN INTEREST
23 60 AUDIT PLAN	MOUNTAIN LAKE PARK & LOCH LYNN HEIGHTS WATER LINE REPLACEMENT PROJECT (MD0110007) Ben.Pop= 3,275 DW0029	PROBLEM: DETERIORATING PIPES LEAKING >40% INTO SURROUNDING AREA. AREAS OF LOW WATER PRESSURE AND LOW FIRE FLOW PROJECT: REPLACE 133,075 LF WATER LINE WITH ADEQUATELY SIZED PIPES	BOBBY WITT GARRETT COUNTY SANITARY DISTRICT <i>System Size = Small</i> Garrett County	1A 6	W/S: Y PFA: Y CD: 1 PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 08/01/2023 09/30/2028	1,602,274 TRANSMISSION/ DISTRIBUTION	1,587,274 <u>Loan \$</u> 1,587,274 LOAN INTEREST
24 60	MIDLAND/GILMORE RAW WATER STORAGE TANK (MD0010018) Ben.Pop= 4,500 DW0027	PROBLEM: DAM INSPECTION CLASSIFIED A HIGH HAZARD POTENTIAL AND RATED UNSAFE PROJECT: DECOMMISSION EXISTING MIDLAND GILMORE RESERVOIR, RESTORE ELK LICK RUN, AND CONSTRUCT 6 MG RAW WATER STORAGE TANK	TYLER RAYNER TOWN OF LONACONING <i>System Size = Small</i> Allegany County	1A 6	W/S: Y PFA: 2 CD: 1 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 10/01/2023 11/30/2024	9,904,840 STORAGE	9,904,840 <u>Loan \$</u> 9,904,840 LOAN INTEREST
25 55	DEHAVEN/MASON ROAD WATER PROJECT (MD) Ben.Pop= 95 DW0026	PROBLEM: 50+ YR OLD WATER LINES CANNOT BE MAINTAINED BY 2 PVT WATER COMPANIES. TAKEOVER BY ALLEGANY CO WILL ENABLE TECH/MGRL COMPLIANT PROJECT: REPLACE ~8,000 FT NEW WATER LINE+35 WATER CONNECTIONS AND APPURTENANCES	JIM WEBBER ALLEGANY COUNTY COMMISSIONERS <i>System Size = Small</i> Allegany County	1B 6	W/S: Y PFA: 3 CD: 2 PUBLIC SMALL DISADV.	<i>Design</i> 06/01/2022 <i>Construction</i> 01/01/2023 12/31/2023	1,000,000 TRANSMISSION/ DISTRIBUTION	1,000,000 <u>Loan \$</u> 1,000,000 LOAN INTEREST

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 24, 2022

Drinking Water Funds (State Revolving Loan/ State Grant)

Page 6

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding
26 55	NEW WINDSOR MD ROUTE 31 WATER MAIN IMPROVEMENTS (MD0060008) Ben.Pop= 163 DW0014	PROBLEM: AGING AND INADEQUATE SUPPLY LINES THAT DO NOT MEET CURRENT CODE PROJECT: CONSTRUCT NEW PARALLEL WATER DISTRIB SYSTEM - 3900 FT 12-IN + 400 FT 8-IN + 450 FT 6-IN WATER PIPES + APPURTENANCES	GARY P. DYE, JR. TOWN OF NEW WINDSOR <i>System Size = Small</i> Carroll County	5 8	W/S: Y PFA: Y CD: 1 PUBLIC SMALL	<i>Design</i> 06/01/2017 <i>Construction</i> 08/01/2022 08/31/2023	4,277,748 TRANSMISSION/ DISTRIBUTION	1,960,000 <u>Loan \$</u> 1,960,000 LOAN INTEREST
27 55 AUDIT	SHARPSBURG WATER METER CRADLE REPLACEMENT (MD0210017) Ben.Pop= 1,500 DW0032	PROBLEM: CURRENT WATER METERS AND CRADLES CONTAIN LEAD PROJECT: REPLACE EXISTING WATER METERS AND CRADLES	MARK BRADSHAW WASHINGTON COUNTY BOARD OF COUNTY COMMISSIONERS <i>System Size = Small</i> Washington County	2A 6	W/S: Y PFA: 2 CD: 1 PUBLIC SMALL	<i>Design</i> 05/01/2022 <i>Construction</i> 06/01/2023 01/31/2024	1,000,000 OTHER	700,000 <u>Loan \$</u> 700,000 LOAN INTEREST
28 52 AUDIT PLAN	SOUTH END WATER MAIN REPLACEMENT PROJECT (NO. 2-22-W) (MD0010008) Ben.Pop= 1,325 DW0028	PROBLEM: CAST IRON WATER MAINS, MOST OVER 120 YR OLD, FREQUENT BREAKS PROJECT: REPLACE 7,000 LF 12-IN AND 5,000 LF 6-IN WATER MAINS	ROBERT SMITH MAYOR AND CITY COUNCIL OF CUMBERLAND <i>System Size = Large</i> Allegany County	1 6	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2023 <i>Construction</i> 08/01/2024 05/31/2025	4,114,000 TRANSMISSION/ DISTRIBUTION	4,114,000 <u>Loan \$</u> 4,114,000 LOAN INTEREST
29 52 AUDIT PLAN	WC-1243 CROMWELL PUMPING STATION REHABILITATION (MD0300002) Ben.Pop= 1,800,000 DW0006	PROBLEM: AGING PUMPING STATION NECESSARY PART OF SYSTEM TO PROVIDE SAFE/RELIABLE DRINKING WATER PROJECT: CONSTRUCT REPAIR/REPLACE/REHAB OF EQUIPMENT, SYSTEMS, AND STRUCTURE INC. CHLORINATION SYSTEM	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	8 3	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 07/01/2015 <i>Construction</i> 07/01/2022 07/31/2026	63,352,661 TRANSMISSION/ DISTRIBUTION	17,654,544 <u>Loan \$</u> 17,654,544 LOAN INTEREST
30 52 AUDIT PLAN	WC-1243 CROMWELL PUMPING STATION REHABILITATION (MD0300002) Ben.Pop= ? DW0024	PROBLEM: AGING PUMPING STATION NECESSARY PART OF SYSTEM TO PROVIDE SAFE/RELIABLE DRINKING WATER PROJECT: CONSTRUCT REPAIR/REPLACE/REHAB OF EQUIPMENT, SYSTEMS, AND STRUCTURE INC. CHLORINATION SYSTEM	ROBERT BURROS BALTIMORE COUNTY, MARYLAND <i>System Size = Large</i> Baltimore County	8 3	W/S: Y PFA: Y CD: 1 PUBLIC LARGE	<i>Design</i> 07/01/2015 <i>Construction</i> 07/01/2022 07/31/2026	0 TRANSMISSION/ DISTRIBUTION	29,775,751 <u>Loan \$</u> 29,775,751 LOAN INTEREST

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Friday, June 24, 2022

Drinking Water Funds (State Revolving Loan/ State Grant)

Page 7

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding
31 45 AUDIT PLAN	RC WILLSON WTP CHEMICAL UPGRADE (MD210010) Ben.Pop= 108,600 DW0035	PROBLEM: WTP CANNOT RECEIVE CHEMICAL DELIVERIES DURING HIGH WATER EVENTS PROJECT: EXPAND STORAGE CAPACITY OF PRIMARY COAGULANT POLYMER TANKS + INSTALL CHLORINE SCRUBBER TO NEUTRALIZE CHLORINE LEAK OF 2,000LB	WILLIAM LUHN CITY OF HAGERSTOWN -- UTILITIES DEPARTMENT <i>System Size = Large</i> Washington County	2C 6	W/S: Y PFA: 2 CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 05/01/2023 12/31/2023	1,150,000 TREATMENT	1,000,000 <u>Loan \$</u> 1,000,000 LOAN INTEREST
32 42 AUDIT PLAN	WC-1281 SOUTH ST & VICINITY (DOWNTOWN) WATER MAIN REPLACEMENT (MD3000002) Ben.Pop= 600,000 DW0009	PROBLEM: DETERIORATION OF UNLINED CAST IRON PIPE PAST ITS USEFUL LIFE PROJECT: REPLACE 11,761 LF 3-IN THROUGH 20-IN DIA PIPE IN 1ST PRESSURE ZONE	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	46 7	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 08/01/2022 <i>Construction</i> 11/01/2023 11/30/2024	10,484,177 TRANSMISSION/ DISTRIBUTION	10,484,177 <u>Loan \$</u> 10,484,177 LOAN INTEREST
33 42 AUDIT PLAN	WC-1318 DOWNTOWN, BOLTON HILL, GUILFORD NEIGHBORHOODS & VICINITY WATER MAIN REPL (MD3000002) Ben.Pop= 600,000 DW0011	PROBLEM: DETERIORATION OF UNLINED CAST IRON PIPE PAST ITS USEFUL LIFE PROJECT: REPLACE 30,995 LF 3-IN THROUGH 20-IN DIA PIPE IN 1ST, 2ND AND 3RD E PRESSURE ZONES	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	REG 7	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 06/01/2022 <i>Construction</i> 09/01/2023 03/31/2026	24,232,901 TRANSMISSION/ DISTRIBUTION	24,232,901 <u>Loan \$</u> 24,232,901 LOAN INTEREST
34 42 AUDIT PLAN	WC-1322 BELAIR RD NEIGHBORHOOD AND VICINITY WM REPLACEMENTS (MD3000002) Ben.Pop= 600,000 DW0013	PROBLEM: DETERIORATION OF UNLINED CAST IRON PIPE PAST ITS USEFUL LIFE PROJECT: REPLACE 19,202 LF 6-IN THROUGH 16-IN DIA PIPE IN 2ND PRESSURE ZONE	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	45 3,7	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 08/01/2022 <i>Construction</i> 11/01/2023 11/30/2025	14,327,306 TRANSMISSION/ DISTRIBUTION	14,327,306 <u>Loan \$</u> 14,327,306 LOAN INTEREST
35 42 AUDIT PLAN	WC-1229 VERNON PUMPING STATION REHABILITATION (MD0300002) Ben.Pop= 1,800,000 DW0005	PROBLEM: AGING PUMPING STATION NECESSARY PART OF SYSTEM TO PROVIDE SAFE/RELIABLE DRINKING WATER PROJECT: CONSTRUCT REPAIR/REPLACE/REHAB OF EQUIPMENT, SYSTEMS AND STRUCTURE INC. INSTALLATION OF EMERGENCY GENERATOR	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	43 7	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 08/01/2015 <i>Construction</i> 07/01/2022 07/31/2025	72,118,232 TRANSMISSION/ DISTRIBUTION	33,949,188 <u>Loan \$</u> 33,949,188 LOAN INTEREST

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 24, 2022

Drinking Water Funds (State Revolving Loan/ State Grant)

Page 8

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding
36 42 AUDIT PLAN	WC-1229 VERNON PUMPING STATION REHABILITATION (MD0300002) Ben.Pop= ? DW0023	PROBLEM: AGING PUMPING STATION NECESSARY PART OF SYSTEM TO PROVIDE SAFE/RELIABLE DRINKING WATER PROJECT: CONSTRUCT REPAIR/REPLACE/REHAB OF EQUIPMENT, SYSTEMS AND STRUCTURE INC. INSTALLATION OF EMERGENCY GENERATOR	ROBERT BURROS BALTIMORE COUNTY, MARYLAND <i>System Size = Large</i> Baltimore County	43 7	W/S: Y PFA: Y CD: 1 PUBLIC LARGE	<i>Design</i> 08/01/2015 <i>Construction</i> 07/01/2022 07/31/2025	0 TRANSMISSION/ DISTRIBUTION	28,847,293 <u>Loan \$</u> 28,847,293 LOAN INTEREST
37 40	SMITHSBURG WATER STREET WATER LINE REPLACEMENT PROJECT (MD0210018) Ben.Pop= 4,478 DW0037	PROBLEM: LACK OF WATER PRESSURE, ESPECIALLY IN THE EVENT OF FIRE SUPPRESSION. REMOVE CAST IRON PIPES AND LEAD JOINTS. PROJECT: REPLACE ALL WATER LINES, SEWER LINES, AND UPDATE STORM WATER MANAGEMENT AT STREET LEVEL.	CHAD ROONEY TOWN OF SMITHSBURG <i>System Size = Small</i> Washington County	2A 6	W/S: Y PFA: Y CD: 1 PUBLIC SMALL	<i>Design</i> 08/01/2023 <i>Construction</i> 10/01/2023 03/31/2024	1,653,123 TRANSMISSION/ DISTRIBUTION	1,002,100 <u>Loan \$</u> 1,002,100 LOAN INTEREST
38 40 AUDIT PLAN	ANACOSTIA DEPOT RECONFIGURATION (MD0150005) Ben.Pop= 2,100,000 DW0043	PROBLEM: IMPROVE EFFICIENCY OF OPERATIONS, FLOODPLAIN VULNERABILITIES OF LARGEST WSSC WATER DEPOT PROJECT: RECONFIGURATION OF ANACOSTIA DEPOT LAYOUT, INCL ACCESS, CIRCULATION, AND RENOVATION OF BLDGS UP TO CURRENT CODE	BRIAN HALLORAN WASHINGTON SUBURBAN SANITARY COMMISSION <i>System Size = Large</i> WSSC	47A 4	W/S: Y PFA: Y CD: 1 PUBLIC LARGE	<i>Design</i> 07/01/2021 <i>Construction</i> 01/01/2023 12/31/2026	42,838,000 OTHER	21,414,000 <u>Loan \$</u> 21,414,000 LOAN INTEREST
39 37 AUDIT PLAN	WC-1279 DISTRIBUTION WATER MAIN REPLACEMENT & REHAB SEFTON AREA & VICINITY (MD 300002) Ben.Pop= 1,585 DW0008	PROBLEM: DETERIORATION OF UNLINED CAST IRON PIPE PAST ITS USEFUL LIFE PROJECT: REPLACE 19,420 LF 6-IN THROUGH 12-IN DIA PIPE IN 3RD E PRESSURE ZONE	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	45 3	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 12/01/2021 <i>Construction</i> 03/01/2023 09/30/2024	119,423,360 TRANSMISSION/ DISTRIBUTION	11,942,336 <u>Loan \$</u> 11,942,336 LOAN INTEREST
40 37 AUDIT PLAN	WC-1313 UPPER FELS POINT & WEST CANTON (MD300002) Ben.Pop= 1,585 DW0010	PROBLEM: DETERIORATION OF UNLINED CAST IRON PIPE PAST ITS USEFUL LIFE PROJECT: REPLACE 25,924 LF 4-IN THROUGH 20-IN+30-IN+40-IN DIA PIPE IN 1ST AND 2ND PRESSURE ZONE	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	46 1	W/S: Y PFA: Y CD: 1 PUBLIC LARGE DISADV.	<i>Design</i> 02/01/2022 <i>Construction</i> 05/01/2023 11/30/2024	16,002,796 TRANSMISSION/ DISTRIBUTION	16,002,796 <u>Loan \$</u> 16,002,796 LOAN INTEREST

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Drinking Water Funds (State Revolving Loan/ State Grant)

Page 9

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41 37 AUDIT PLAN	WC-1319 KESWICK ROAD, WEST 36TH STREET & YORK ROAD WATER MAIN REPL (MD300002) Ben.Pop= 1,628 DW0012	PROBLEM: DETERIORATION OF UNLINED CAST IRON PIPE PAST ITS USEFUL LIFE PROJECT: REPLACE 12,171 LF 4-IN THROUGH 20-IN DIA PIPE IN 2ND AND 3RD E PRESSURE ZONES	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	REG REG	W/S: Y PFA: Y CD: 1 PUBLIC DISADV.	<i>Design</i> 04/01/2022 <i>Construction</i> 08/01/2023 08/31/2024	13,900,478 TRANSMISSION/ DISTRIBUTION	13,900,478 <i>Loan \$</i> 13,900,478 LOAN INTEREST
42 35	BEACHES WATER CO-OP (BWC) REDUCING LEAD IN DRINKING WATER SERVICE LINE REPL (MD) Ben.Pop= 2,010 DW0039	PROBLEM: AGED PIPING AND FITTINGS WITH LEAD CONTAMINATION PROJECT: REPLACE 2-IN OD OR LESS SECONDARY SERVICE LINES AND FITTINGS UP TO EACH RESIDENTIAL METER	DENNIS DIBELLO BEACHES WATER CO-OP <i>System Size = Small</i> Calvert County	2C 5	W/S: ? PFA: ? CD: 1 PUBLIC	<i>Design</i> 06/01/2023 <i>Construction</i> 09/01/2023 09/30/2025	1,500,000 TRANSMISSION/ DISTRIBUTION	1,500,000 <i>Loan \$</i> 1,500,000 LOAN INTEREST
43 25 GREEN (G)	MARTINGHAM SMART WATER METER (MD0200004) Ben.Pop= 770 DW0001	PROBLEM: REPLACE OLD, INACCURATE DIFFICULT-TO-READ, WATER METERS WITH SMART METERS PROJECT: INSTALLATION OF SMART METER FOR 313 RESIDENTIAL PROPERTIES + 2 COMMERCIAL PROPERTIES	JAY T. FRENCH MARTINGHAM UTILITIES COOPERATIVE <i>System Size = Small</i> Talbot County	37B 1	W/S: Y PFA: 2 CD: 1 PRIVATE SMALL DISADV.	<i>Design</i> 09/01/2022 <i>Construction</i> 04/01/2023 07/31/2023	141,378 <i>Green \$</i> 141,378 OTHER	141,378 <i>Loan \$</i> 141,378 LOAN INTEREST

Totals ... **SMALL = \$ 74,258,637 (12.8%)** **\$580,457,198** **\$ 393,833,784**

DISADV = \$490,582,825 (84.5%)

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Friday, June 03, 2022

Clean Water Funds (State Revolving Loan/ State Grant)

Page 1

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	River Basin NPDES #	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding	Cost By Needs Category
1 115	HIGHLANDS SEWER SYSTEM CW0087 Ben.Pop= 585	PROBLEM: MOST OF 234 OSDS IN HIGHLANDS AREA NON-CONFORMING PER CHD AND NEED TO BE CONNECTED TO SEWER TO PROTECT AQUIFERS AND THE BAY PROJECT: CONNECTION OF 234 PROPERTIES IN HIGHLANDS AREA TO CHESAPEAKE BEACH SEWER SYSTEM	ANDY HIPSKI CALVERT COUNTY <i>System Size = Small</i> Calvert County	27C 5	02-13-10-15 <i>NPDES #</i> MD0020281	W/S: N PFA: 3 PUBLIC SMALL	<i>Design</i> 03/01/2022 <i>Construction</i> 05/01/2023 05/31/2024	9,472,225	8,288,196 <u>Loan \$</u> 1,184,029 LOAN INTEREST	IVA = 9,472,225
2 115	TOWN OF HEBRON WASTEWATER TREATMENT PLANT REPLACEMENT CW0061 Ben.Pop= 1,150	PROBLEM: WWTP HAS EXCEEDED USEFUL LIFE PROJECT: P/D/C UPGRADE TO NEW ENR WWTP	ROBERT D. RAUCH P.E. TOWN OF HEBRON <i>System Size = Small</i> Wicomico County	37A 1	02-13-03-05 <i>NPDES #</i> MD0059617	W/S: Y PFA: 2 PUBLIC SMALL DISADV.	<i>Design</i> 12/01/2022 <i>Construction</i> 09/01/2023 09/30/2024	4,580,420	4,580,420 <u>Loan \$</u> 4,580,420 LOAN INTEREST	II = 4,580,420
3 115	PINEY ORCHARD WATER RECLAMATION FACILITY (WRF) UPGRADE TO ENR CW0085 Ben.Pop= 14,398	PROBLEM: WWTP ACQUIRED BY COUNTY IN 2019 AND IN NEED OF UPGRADES AND ENHANCED TREATMENT TO BENEFIT THE MIDDLE AND LOWER PATUXENT RIVER PROJECT: UPGRADE OF CURRENT 0.7 MGD BNR WWTP TO ENR	JAMES HOWARD ANNE ARUNDEL COUNTY <i>System Size = Large</i> Anne Arundel County	21 3	02-13-11-05 <i>NPDES #</i> MD0059145	W/S: Y PFA: 2 PUBLIC LARGE	<i>Design</i> 01/01/2022 <i>Construction</i> 06/01/2023 06/30/2025	42,301,110	42,301,110 <u>Loan \$</u> 42,301,110 LOAN INTEREST	II = 42,301,110
4 110	MARDELA SPRINGS WWTP AND SEWER SYSTEM CW0022 Ben.Pop= 380	PROBLEM: FAILING ONSITE DISPOSAL SYSTEMS IN MARDELA SPRINGS COMMUNITY AS DETERMINED BY WICOMICO HEALTH PROJECT: P/D/C CENTRALIZED PUBLIC SEWER SYSTEM WITH NEW 0.175 MGD ENR PLANT	KATHERINE MCALLISTER WICOMICO COUNTY <i>System Size = Small</i> Wicomico County	37B 1	02-13-03-05 <i>NPDES #</i> PENDING	W/S: N PFA: 3 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 09/01/2023 12/31/2024	32,651,580	32,651,580 <u>Loan \$</u> 32,651,580 LOAN INTEREST	II = 18,708,460 IVA = 13,943,120
5 105	ANNE ARUNDEL COUNTY SEPTIC TO SEWER PROGRAM CW0084 Ben.Pop= 575	PROBLEM: OSDS CONTRIBUTING TO EUTROPHICATION ISSUES AND ALGAL BLOOMS IN ANNE ARUNDEL COUNTY'S PORTION OF THE CHESAPEAKE BAY PROJECT: FIRST PHASE OF PROGRAM TO CONNECT UP TO 6,000 OSDS TO SEWER AND ENR WWTP'S OVER THE NEXT 30 YEARS	KIMBERLY CLUNNEY ANNE ARUNDEL COUNTY <i>System Size = Large</i> Anne Arundel County	31B 04	MULTIPLE <i>NPDES #</i> MULTIPLE	W/S: Y PFA: 3 Compliance PUBLIC LARGE	<i>Design</i> 03/01/2022 <i>Construction</i> 11/01/2023 02/28/2025	13,000,000	13,000,000 <u>Loan \$</u> 13,000,000 LOAN INTEREST	IVA = 13,000,000

NEEDS CATEGORY DEFINITIONS:

- | | | | | |
|-------------------------|----------------------------------|-----------------------------------|-------------------------------|-----------------------|
| I. Secondary Treatment | IVA. New Collector Sewer | VIA. SW Conveyance Infrastructure | VIIJ. NPS: Sanitary Landfills | W. Water Conservation |
| II. Advanced Treatment | IVB. New Interceptor Sewer | VIB. SW Treatment Systems | VIIK. NPS: Hydromodification | O. Other |
| IIIA. I/I Correction | VA. CSO Correction - Traditional | VIC. Green Infrastructure | VIII. Decentralized | |
| IIIB. Major Sewer Rehab | VB. CSO Correction - Green | VID. General SW Management | E. Energy Conservation | |

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Clean Water Funds (State Revolving Loan/ State Grant)

Page 2

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	River Basin NPDES #	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding	Cost By Needs Category
6 100	PARSONSBURG VILLAGE WWTP AND SEWER SYSTEM CW0023 Ben.Pop= 365	PROBLEM: FAILING ONSITE DISPOSAL SYSTEMS IN PARSONSBURG VILLAGE AS DETERMINED BY WICOMICO HEALTH PROJECT: P/D/C CENTRALIZED PUBLIC SEWER SYSTEM WITH 0.07 MGD ENR	KATHERINE MCALLISTER WICOMICO COUNTY <i>System Size = Small</i> Wicomico County	38C 1	02-13-03-01 <i>NPDES #</i> PENDING	W/S: N PFA: 3 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 12/01/2023 12/31/2024	29,392,430	29,392,430 <u>Loan \$</u> 29,392,430 LOAN INTEREST	II = 14,718,940 IVA = 14,673,490
7 100	NANTICOKE-BIVALVE-TYASKIN WWTP AND SEWER SYSTEM CW0024 Ben.Pop= 640	PROBLEM: FAILING ONSITE DISPOSAL SYSTEMS IN NANTICOKE-BIVALVE-TYASKIN AS DETERMINED BY WICOMICO HEALTH PROJECT: P/D/C CENTRALIZED PUBLIC SEWER SYSTEM WITH 0.20 MGD ENR PLANT	KATHERINE MCALLISTER WICOMICO COUNTY <i>System Size = Small</i> Wicomico County	37B 1	02-13-03-05 <i>NPDES #</i> PENDING	W/S: N PFA: 3 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 12/01/2023 12/31/2024	65,428,670	65,428,670 <u>Loan \$</u> 65,428,670 LOAN INTEREST	II = 19,210,460 IVA = 46,218,210
8 100	COULBOURNE MILL COMMUNITY WWTP AND SEWER SYSTEM CW0021 Ben.Pop= 1,113	PROBLEM: FAILING ONSITE DISPOSAL SYSTEMS IN COULBOURNE MILL COMMUNITY AS DETERMINED BY WICOMICO HEALTH PROJECT: P/D/C CENTRALIZED PUBLIC SEWER SYSTEM WITH NEW 0.28 MGD ENR PLANT	KATHERINE MCALLISTER WICOMICO COUNTY <i>System Size = Small</i> Wicomico County	37B 1	02-13-03-01 <i>NPDES #</i> PENDING	W/S: N PFA: 3 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 12/01/2023 12/31/2024	84,841,500	84,841,500 <u>Loan \$</u> 84,841,500 LOAN INTEREST	II = 27,779,710 IVA = 57,061,790
9 100	GREENSBORO REGIONAL WASTEWATER SYSTEM EXPANSION CW0063 Ben.Pop= 3,160	PROBLEM: FAILING SEPTIC SYSTEMS; SECONDARY WWTP WITH SIGNIFICANT NON-COMPLIANCE; DRAFT CONSENT ORDER PROJECT: P/D/C NEW CONVEYANCE TO CONNECT TO ENR WWTP; 17.1 SEPTIC TO SEWER CONNECTIONS; DECOMMISSION CAROLINE ACRES WWTP	DJ WACKER TOWN OF GREENSBORO <i>System Size = Small</i> Caroline County	36 1	02-13-04-04 <i>NPDES #</i> MD0071269	W/S: Y PFA: 5 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 04/01/2023 01/31/2024	5,765,800	5,765,800 <u>Loan \$</u> 5,765,800 LOAN INTEREST	IVA = 5,765,800
10 100	OAKLAND TROUT RUN WWTP AND SEWER SYSTEM CW0086 Ben.Pop= 5,093	PROBLEM: 0.9 MGD SECONDARY WWTP DISCHARGES TO USE III-P WATERS (TROUT/PUBLIC WATER SUPPLY) ALSO CONTAMINATED W/ E COLI BY LOCAL OSDS PROJECT: P/D/C TROUT RUN WWTP AND 19,750 LF SEWER MAIN TO CONNECT EXISTING OSDS TO WWTP	BOBBY WITT GARRETT COUNTY SANITARY DISTRICT <i>System Size = Small</i> Garrett County	1 6	05-02-02-01 <i>NPDES #</i> MD0051497	W/S: Y PFA: 3 PUBLIC SMALL DISADV.	<i>Design</i> 05/01/2020 <i>Construction</i> 03/01/2023 03/31/2025	50,900,000	44,537,500 <u>Loan \$</u> 6,362,500 LOAN INTEREST	II = 44,530,000 IVA = 6,370,000

NEEDS CATEGORY DEFINITIONS:

- I. Secondary Treatment
- II. Advanced Treatment
- IIIA. I/I Correction
- IIIB. Major Sewer Rehab

- IVA. New Collector Sewer
- IVB. New Interceptor Sewer
- VA. CSO Correction - Traditional
- VB. CSO Correction - Green

- VIA. SW Conveyance Infrastructure
- VIB. SW Treatment Systems
- VIC. Green Infrastructure
- VID. General SW Management

- VIIJ. NPS: Sanitary Landfills
- VIIK. NPS: Hydromodification
- VIII. Decentralized
- E. Energy Conservation

- W. Water Conservation
- O. Other

PFA (Priority Funding Area) Codes:

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Clean Water Funds (State Revolving Loan/ State Grant)

Friday, June 03, 2022

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	River Basin NPDES #	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding	Cost By Needs Category
11 100	MIDDLETOWN WEST WASTEWATER TREATMENT PLANT UPGRADE CW0005 Ben.Pop= 12,738	PROBLEM: UPGRADE 2-CELL LAGOON SECONDARY TREATMENT TO ENR PROJECT: PLANNING TO DETERMINE WHETHER TO BUILD A NEW WEST ENR PLANT OR CONVERT TO PUMPING STATION TO EAST PLANT	BRUCE CARBAUGH BURGESS AND COMMISSIONERS OF MIDDLETOWN <i>System Size = Small</i> Frederick County	4 8	02-14-03-05 <i>NPDES #</i> MD0024406	W/S: N PFA: 1 PUBLIC SMALL	<i>Design</i> 09/01/2023 <i>Construction</i> 10/01/2025 05/31/2027	8,785,000	8,785,000 LOAN UNWANTED	II = 8,785,000
12 100	CENTREVILLE WASTEWATER TREATMENT PLANT EXPANSION CW0051 Ben.Pop= 13,675	PROBLEM: CURRENT WWTP FUNCTIONS AT BNR; MOST COMPONENTS EXCEED ANTICIPATED USEFUL LIFE; CAPACITY INSUFFICIENT FOR PROJECTED GROWTH PROJECT: P/D/C UPGRADE BNR TO ENR; INCREASE CAPACITY FROM 542,000 GPD TO 1,000,000 GPD;REDUCE NUTRIENT & PHOSPHOROUS TO CHESAPEAKE BAY	CHARLES KOOGLE TOWN COUNCIL OF CENTREVILLE <i>System Size = Small</i> Queen Anne's County	36 1	02-13-05-07 <i>NPDES #</i> MD0020834	W/S: N PFA: N PUBLIC SMALL	<i>Design</i> 08/01/2022 <i>Construction</i> 03/01/2024 07/31/2026	29,879,000	29,879,000 <i>Loan \$</i> 29,879,000 LOAN INTEREST	II = 29,879,000
13 95	REGION V - TILGHMAN ENR TREATMENT & SEPTIC SYSTEM ELIMINATION PROJECT CW0068 Ben.Pop= 4,240	PROBLEM: EXCESS NUTRIENTS TO CHESAPEAKE BAY; FAILING/COMPROMISED SEPTICS NEED TO BE REDIRECTED TO SEWER; NEED FOR EXPANDED CAPACITY PROJECT: P/D/C UPGRADE SECONDARY WWTP TO ENR WWTP TO PREPARE FOR ELIMINATION OF AREA SEPTICS; NOT READY TO PROCEED UNTIL 2026 W/S TBD	RAY CLARKE, P.E. TALBOT COUNTY GOVERNMENT <i>System Size = Small</i> Talbot County	37B 1	02-13-04-03 <i>NPDES #</i> MD0023604	W/S: N PFA: N PUBLIC SMALL DISADV.	<i>Design</i> 09/01/2022 <i>Construction</i> 01/01/2026 01/31/2029	43,653,300	43,653,300 <i>Loan \$</i> 43,653,300 LOAN INTEREST	I = 43,653,300
14 80	WHITEHAVEN VILLAGE WWTP AND SEWER SYSTEM CW0025 Ben.Pop= 35	PROBLEM: FAILING ONSITE DISPOSAL SYSTEMS IN WHITEHAVEN VILLAGE AS DETERMINED BY WICOMICO HEALTH PROJECT: P/D/C CENTRALIZED PUBLIC SEWER SYSTEM WITH 0.015 MGD ENR	KATHERINE MCALLISTER WICOMICO COUNTY <i>System Size = Small</i> Wicomico County	37B 1	02-13-03-01 <i>NPDES #</i> PENDING	W/S: N PFA: 3 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 12/01/2023 12/31/2024	5,941,980	5,941,980 <i>Loan \$</i> 5,941,980 LOAN INTEREST	II = 3,010,210 IVA = 2,931,770
15 80 GREEN (G)	BALTIMORE CITY MS4 PROGRAM CW0019 LINEAR FEET=8,825	PROBLEM: STORMWATER RUNOFF NOT MANAGED TO MAXIMUM EXTENT PRACTICABLE; MS4 PERMIT PROJECT: CONSTRUCT SW MGMT FACILITIES IN VARIOUS LOCATIONS CITYWIDE, INC BIORETENTION, RAINGARDENS, STRM STABILIZATION, BUMPABOUTS, ETC.	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE Baltimore City	REG REG	MULTIPLE	W/S: E PFA: E Compliance PUBLIC LARGE DISADV.	<i>Design</i> 06/01/2016 <i>Construction</i> 07/01/2022 12/31/2024	55,177,850 <i>Green \$</i> 28,381,514	28,381,514 <i>Loan \$</i> 28,381,514 LOAN INTEREST	VIC = 55,177,850

NEEDS CATEGORY DEFINITIONS:

- | | | | | |
|-------------------------|----------------------------------|-----------------------------------|-------------------------------|-----------------------|
| I. Secondary Treatment | IVA. New Collector Sewer | VIA. SW Conveyance Infrastructure | VIIJ. NPS: Sanitary Landfills | W. Water Conservation |
| II. Advanced Treatment | IVB. New Interceptor Sewer | VIB. SW Treatment Systems | VIIK. NPS: Hydromodification | O. Other |
| IIIA. I/I Correction | VA. CSO Correction - Traditional | VIC. Green Infrastructure | VIII. Decentralized | |
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Friday, June 03, 2022

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Page 4

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16 80	CHARLESTOWN DAM DECOMMISSIONING/STREAM RESTORATION CW0035 LINEAR FEET=600	PROBLEM: FAILING DAM PER MDE INSPECTION REPORT 01/24/2019 PROJECT: REMOVE THE DAM, RESTORE JACKSON RUN STREAM, PLANT VEGETATIVE BUFFER, RIP RAP REPLACEMENT	TYLER RAYNER TOWN OF LONACONING <i>System Size = Small</i> Allegany County	1A 6	02-14-10-04	W/S: E PFA: E Compliance PUBLIC SMALL DISADV.	<i>Design</i> 03/01/2020 <i>Construction</i> 11/01/2022 04/30/2023	798,520	798,520 <u>Loan \$</u> 798,520 LOAN INTEREST	VIB = 798,520
17 80 GREEN (G)	FAMILY FOREST IMPACT PROGRAM (LOAN GUARANTEE, ONLY) CW0091	PROBLEM: RESTORATION OF RIPARIAN FOREST BUFFERS TO OFFSET FOREST LOSSES TO DEVELOPMENT PROJECT: ENROLL 17,813 ACRES OF NIPF 20+ ACRE PARCELS FROM 135 MD LANDOWNERS IN FAMILY FOREST CARBON PROGRAM BY 2028	CHRISTINE CADIGAN FAMILY FOREST IMPACT FOUNDATION Allegany County	VAR 6,8	MULTIPLE	W/S: E PFA: E PRIVATE	<i>Design</i> 07/01/2022 <i>Construction</i> 01/01/2023 12/31/2027	2,500,000 <i>Green \$</i> 2,500,000	2,500,000 <u>Loan \$</u> 2,500,000 LOAN INTEREST	VIC = 2,500,000
18 80	MIDLAND/GILMORE DAM REPAIR/STREAM RESTORATION CW0034 LINEAR FEET=150	PROBLEM: DAM AT MIDLAND/GILMORE PLANT HAS HIGH HAZARD POTENTIAL – MDE DAM SAFETY REPORT 01/24/2019 PROJECT: SEDIMENT REMOVAL, VEGETATION REMOVAL, INSTALL STAFF GAUGE REPAIR RIP RAP, LINER REPAIRS, REPAIR RESERVOIR OUTLET WORKS	TYLER RAYNER TOWN OF LONACONING <i>System Size = Small</i> Allegany County	1A 6	02-14-10-04	W/S: E PFA: E PUBLIC SMALL DISADV.	<i>Design</i> 03/01/2020 <i>Construction</i> 11/01/2022 02/01/2023	399,076	399,076 <u>Loan \$</u> 399,076 LOAN INTEREST	VIB = 399,076
19 75	JONES VILLAGE SEPTIC ELIMINATION PROJECT CW0048 Ben.Pop= 168	PROBLEM: EXCESS NUTRIENTS INTO MARSHYHOPE CREEK & CHESAPEAKE BAY; SEPTIC SYSTEMS REACHING ANTICIPATED USEFUL LIFE PROJECT: D/C 67 SEPTIC TO ENR WWTP SEWER CONNECTION; DECOMMISSIONING OF OLD SEPTICS	JOHN AVERY TOWN OF HURLOCK <i>System Size = Small</i> Dorchester County	37A 1	02-13-03-06 <i>NPDES #</i> MD0022730	W/S: N PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 01/01/2023 <i>Construction</i> 12/01/2023 05/31/2024	2,770,400	2,770,400 <u>Loan \$</u> 2,770,400 LOAN INTEREST	IVA = 2,770,400
20 75	REGION V - SEWER EXTENSION TO FAIRBANK AND BAR NECK VILLAGES CW0067 Ben.Pop= 365	PROBLEM: EXCESS NUTRIENTS TO CHOPTANK RIVER AND CHESAPEAKE BAY PROJECT: P/D/C 146 SEPTIC TO ENR SEWER CONNECTIONS; DECOMMISSION OLD SEPTICS	RAY CLARKE, P.E. TALBOT COUNTY GOVERNMENT <i>System Size = Small</i> Talbot County	37B 1	02-13-04-03 <i>NPDES #</i> MD0059463	W/S: N PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 11/01/2022 05/31/2023	2,170,000	2,170,000 <u>Loan \$</u> 2,170,000 LOAN INTEREST	IVA = 2,170,000

NEEDS CATEGORY DEFINITIONS:

- | | | | | |
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Page 5

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21 75 GREEN (G)	FRUITLAND TUXENTS BRANCH DRAINAGE CW0059 Ben.Pop= 6,980	PROBLEM: FLOODING, EROSION AND STRUCTURE ISSUES WITHIN EXISTING SW CONVEYANCE CHANNEL; MS4 PERMIT PROJECT: P/D/C BMP PRACTICES & STREAM RESTORATION WITHIN TUXENTS BRANCH DRAINAGE BASIN	MARCUS HENDERSON CITY OF FRUITLAND, MD <i>System Size = Small</i> Wicomico County	38B 1	02-13-03-01 <i>NPDES #</i> MDR055500	W/S: E PFA: E PUBLIC SMALL DISADV.	<i>Design</i> 01/01/2022 <i>Construction</i> 04/01/2023 12/31/2023	1,034,926 <i>Green \$</i> 559,418	1,034,926 <i>Loan \$</i> 1,034,926 LOAN INTEREST	VIA = 1,034,926
22 75	OVERLEA DRIVE SEWER CONSTRUCTION PROJECT CW0090 Ben.Pop= 52,660	PROBLEM: OUTDATED/FAILING SEPTIC SYSTEMS THAT CANNOT BE REPLACED DUE TO SITE CONDITIONS POSE ENVIRONMENTAL AND HEALTH THREAT PROJECT: CONSTRUCT 2386 LF OF 1.5-IN TO 8-IN SEWER PIPES + 1 MANHOLE TO CONNECT 16 HOMES TO MONTGOMERY CO PUBLIC SEWER TO BLUE PLAINS	MARY YAKAITIS OVERLEA SEWER CONSORTIUM <i>System Size = Large</i> Montgomery County	15 6	02-14-02-02 <i>NPDES #</i> DC0021199	W/S: Y PFA: 5 PRIVATE LARGE	<i>Design</i> 03/01/2021 <i>Construction</i> 06/01/2022 09/30/2022	385,000	320,000 LOAN UNWANTED	IVB = 385,000
23 70	REPLACEMENT WWTP FOR THE PRESERVE AT WYE MILLS CW0070 Ben.Pop= 168	PROBLEM: EXISTING WWTP NOT COMPLYING WITH DISCHARGE PERMIT PROJECT: P/D/C REPLACE EXISTING RBC FACILITY W/NEW ACTIVATED SLUDGE/MBR TREATMENT SYSTEM CAPABLE OF MEETING ENR DISCHARGE REQUIREMENTS	RAY CLARKE, P.E. TALBOT COUNTY GOVERNMENT <i>System Size = Small</i> Talbot County	37B 1	02-13-05-03 <i>NPDES #</i> MD3406U02	W/S: Y PFA: 2 Compliance PUBLIC SMALL DISADV.	<i>Design</i> 10/01/2022 <i>Construction</i> 04/01/2023 12/31/2023	857,750	857,750 <i>Loan \$</i> 857,750 LOAN INTEREST	I = 857,750
24 70	WASTEWATER TREATMENT PLANT UPGRADE: COLLEGE OF SOUTHERN MARYLAND CW0083 Ben.Pop= 7,000	PROBLEM: UPGRADE BNR TO ENR PROJECT: REPLACE BNR SYSTEM WITH MEMBRANE ENR	JUDITH MILLS COLLEGE OF SOUTHERN MARYLAND <i>System Size = Small</i> Charles County	28 5	02-14-01-09 <i>NPDES #</i> MD0052311	W/S: Y PFA: 2 PUBLIC SMALL	<i>Design</i> 05/01/2022 <i>Construction</i> 07/01/2023 09/30/2024	6,500,000	6,500,000 <i>Loan \$</i> 6,500,000 LOAN INTEREST	I = 6,500,000
25 70 GREEN (G)	HAMPSTEAD VALLEY WATERSHED RESTORATION CW0073 DRAIN ACRES=136	PROBLEM: STREAMS/WATERWAYS IMPAIRED BY NUTRIENTS, SEDIMENT & THERMAL LOADS; NEEDED FOR WATER QUALITY TREATMENT; MS4 PERMIT REQ PROJECT: D/C STORMWTR MGMT FOR PROJ(3); NEW/REHAB BMPs INC. RIPARIAN BUFFER, WETLAND FACILITY TO REPL DAM, STREAM RESTOR, NEW DAM, ETC	KELLY MARTIN CARROLL COUNTY COMMISSIONERS* <i>System Size = Large</i> Carroll County	5 1	02-13-08-05	W/S: E PFA: E Compliance PRIVATE LARGE	<i>Design</i> 12/01/2020 <i>Construction</i> 11/01/2023 11/30/2024	5,195,000 <i>Green \$</i> 2,597,500	2,597,500 LOAN UNWANTED	VIC = 5,195,000

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Page 6

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26 65	CAMP MOSHAVA WASTEWATER SYSTEM CW0078 Ben.Pop= 230	PROBLEM: SUSPECTED LEAKING LAGOON. SPRAY FIELD NOT IN OPERATION. MONITORING WELL#2 NOT FOUND. NEED TO DRILL NEW MONITORING WELL. PROJECT: UPGRADE COMPONENTS REQUIRING REPLACEMENT. DRILL NEW MONITORING WELL.	TALIA RODWIN THE HABONIM CAMP ASSOCIATION CO., INC <i>System Size = Small</i> Harford County	35B 2	02-12-02-02 <i>NPDES #</i> 17DP1014	W/S: Y PFA: 1 Compliance PRIVATE SMALL	<i>Design</i> 08/31/2021 <i>Construction</i> 08/01/2023 05/31/2024	600,000	600,000 LOAN UNWANTED	I = 600,000
27 65	CECILTON WASTEWATER TREATMENT PLANT CW0045 Ben.Pop= 880	PROBLEM: EXCESS NUTRIENTS TO BALCK DUCK CREEK & THE CHESAPEAKE BAY PROJECT: P/D/C UPGRADE EXISTING SECONDARY FACILITY TO ENR	MARY COPPER TOWN OF CECILTON <i>System Size = Small</i> Cecil County	35A 1	02-13-06-02 <i>NPDES #</i> MD0020443	W/S: Y PFA: 2 PUBLIC SMALL DISADV.	<i>Design</i> 01/01/2023 <i>Construction</i> 11/01/2023 12/31/2024	8,000,000	8,000,000 LOAN UNWANTED	I = 8,000,000
28 65	BEDFORD ROAD SANITARY SEWER REHAB - PHASE VII CW0027 Ben.Pop= 3,100	PROBLEM: I&I AND SEWER OVERFLOWS; CONSENT ORDER FROM MDE 2006 PROJECT: REPAIR/REPLACE 5000 LF OF 15-INCH DIAMETER SEWER MAINS	JAMES WEBBER ALLEGANY COUNTY COMMISSIONERS <i>System Size = Small</i> Allegany County	1C 6	02-14-10-02 <i>NPDES #</i> MD0021598	W/S: Y PFA: Y Compliance PUBLIC SMALL DISADV.	<i>Design</i> 05/01/2022 <i>Construction</i> 12/01/2022 06/30/2023	1,000,000	1,000,000 <u>Loan \$</u> 1,000,000 LOAN INTEREST	IIIB = 1,000,000
29 65	FROSTBURG CSO ELIMINATION PROJECT, PHASE X-C: EAST WASHINGTON STREET CW0031 Ben.Pop= 9,730	PROBLEM: CSO'S ON EAST SIDE OF CITY OF FROSTBURG; TERRA COTTA PIPES, I&I, MDE CONSENT DECREE PROJECT: REHAB 5000 LF OF 8-INCH DIAMETER SEWER MAINS. SEPARATE SANITARY AND STORM SYSTEMS, CREATE NEW STORM OUTFALLS	LAURA BEEMAN CITY OF FROSTBURG <i>System Size = Small</i> Allegany County	1B 6	20-14-10-05 <i>NPDES #</i> MD0021598	W/S: Y PFA: Y Compliance PUBLIC SMALL DISADV.	<i>Design</i> 01/01/2022 <i>Construction</i> 06/01/2023 01/31/2025	4,067,000	3,558,625 <u>Loan \$</u> 3,558,625 LOAN INTEREST	VA = 4,067,000
30 65	EVITTS CREEK PHASE CSO UPGRADES PHASE IV INTERCEPTOR SEWER TO ECPS CW0030 Ben.Pop= 10,450	PROBLEM: DAMAGED SEWER MAIN TO PS ALLOWS FOR I&I AND OVERFLOW AT PS, CONSENT DECREE PROJECT: INSTALL 65,000 LF OF 24-INCH DIAMETER SEWER MAINS TO REPLACE EXISTING	ROBERT SMITH MAYOR AND CITY COUNCIL OF CUMBERLAND <i>System Size = Large</i> Allegany County	6 1	12-14-10-01 <i>NPDES #</i> MD002159	W/S: Y PFA: 2 Compliance PUBLIC LARGE DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 12/01/2023 06/30/2025	3,583,500	3,550,900 <u>Loan \$</u> 3,550,900 LOAN INTEREST	VA = 3,583,500

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- | | | | | |
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Page 7

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31 65	EVITTS CREEK CSO UPGRADES PHASE III – GRAVITY SEWER THROUGH CSX RAILYARD CW0029 Ben.Pop= 16,940	PROBLEM: CSO UNDER CSX RAIL YARD, CONSENT ORDER PROJECT: CIPP RATED FOR E80 RAILROAD LOADS; 2766 LF OF 8-30-INCH SEWER MAINS	ROBERT SMITH MAYOR AND CITY COUNCIL OF CUMBERLAND <i>System Size = Large</i> Allegany County	6 1	12-14-10-01 <i>NPDES #</i> MD0021598	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 05/01/2020 <i>Construction</i> 07/01/2023 09/30/2024	7,899,640	2,141,112 <i>Loan \$</i> 2,141,112 LOAN INTEREST	VA = 7,899,640
32 65	78" PARALLEL PIPELINE FROM MILL RACE TO CSO STORAGE (PROJECT NO. 19-16-S) CW0028 Ben.Pop= 48,885	PROBLEM: MILL RACE STORAGE FACILITY OVERFLOWS INTO POTOMAC RIVER, CONSENT DECREE PROJECT: ADD 4,000 LF OF 78-INCH DIAMETER SEWER PIPE TO CONVEY MILL RACE OVEFLOWS TO CSO STORAGE FACILITY AT WWTP	ROBERT SMITH MAYOR AND CITY COUNCIL OF CUMBERLAND <i>System Size = Large</i> Allegany County	6 1	12-14-10-01 <i>NPDES #</i> MD0021598	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 03/01/2019 <i>Construction</i> 01/01/2023 03/31/2026	66,941,806	27,563,974 <i>Loan \$</i> 27,563,974 LOAN INTEREST	VA = 66,941,806
33 60	ST. CLEMENTS SHORES WASTEWATER TREATMENT PLANT ENR UPGRADE CW0055 Ben.Pop= 1,918	PROBLEM: EXCESS NUTRIENTS TO CHESAPEAKE BAY; NEED FOR INCREASED CAPACITY PROJECT: P/D/C UPGRADE CURREENT BNR TO ENR; UPGRADE EXISTING RAPID INFILTRATION & SPRAY IRRIGATION	JOY R POTTER ST. MARY'S COUNTY METROPOLITAN COMMISSION <i>System Size = Small</i> St. Mary's County	29A 5	02-14-01-04 <i>NPDES #</i> 19DP15878	W/S: Y PFA: 5 PUBLIC SMALL	<i>Design</i> 06/01/2022 <i>Construction</i> 09/01/2023 12/31/2024	7,336,833	7,336,833 LOAN UNWANTED	II = 7,336,833
34 60	BRUNSWICK SEPTIC CONNECTIONS TO WWTP CW0003 Ben.Pop= 28,168	PROBLEM: CONNECT 13 REMAINING SEPTICS TO WWTP PROJECT: EXTEND SEWER MAINS TO 13 REMAINING SEPTICS IN VARIOUS PARTS OF THE CITY OF BRUNSWICK	DAVID DUNN CITY OF BRUNSWICK <i>System Size = Small</i> Frederick County	4 6	02-04-03-01 <i>NPDES #</i> MDR055500	W/S: Y PFA: Y Compliance PUBLIC SMALL	<i>Design</i> 07/01/2022 <i>Construction</i> 02/01/2023 07/31/2023	862,000	762,000 LOAN UNWANTED	IVB = 862,000
35 60	PISCATAWAY WRRF BIO ENERGY PROJECT CW0056 Ben.Pop= 187,363	PROBLEM: MORE RESTRICTIVE GUIDELINES RE LAND APPLICATION OF CLASS B BIOSOLIDS PROJECT: CONSTRUCT A CLASS A REGIONAL BIO SOLIDS FACILITY, INC BIO ENERGY FACILITIES; REQUIRES NEW/MODIFIED TREATMENT PROCESSES	STANLEY DABEK WASHINGTON SUBURBAN SANITARY COMMISSION <i>System Size = Large</i> Prince George's County	REG 5	02-14-02-03 <i>NPDES #</i> MD0021539	W/S: Y PFA: 2 PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2017 <i>Construction</i> 06/01/2019 12/31/2024	185,385,750	185,385,750 <i>Loan \$</i> 185,385,750 LOAN INTEREST	E = 185,385,750

NEEDS CATEGORY DEFINITIONS:

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|-------------------------|----------------------------------|-----------------------------------|-------------------------------|-----------------------|
| I. Secondary Treatment | IVA. New Collector Sewer | VIA. SW Conveyance Infrastructure | VIIJ. NPS: Sanitary Landfills | W. Water Conservation |
| II. Advanced Treatment | IVB. New Interceptor Sewer | VIB. SW Treatment Systems | VIIK. NPS: Hydromodification | O. Other |
| IIIA. I/I Correction | VA. CSO Correction - Traditional | VIC. Green Infrastructure | VIII. Decentralized | |
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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 03, 2022

Clean Water Funds (State Revolving Loan/ State Grant)

Page 8

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36 60 GREEN (G)	MONTGOMERY COUNTY/M-NCPPC MS4 WATER QUALITY PROGRAM - ROUND 2 CW0089 Ben.Pop= 1,190,000	PROBLEM: LITTLE/NO SW CONTROL OR TREATMENT FOR RUNOFF, DOWNSTREAM DEGRADATION, MS4 PERMIT PROJECT: P/D/C VARIOUS SW BMPS, RESTORE STREAMS, IMPROVE OUTFALLS, RE-ESTABLISH RIPARIAN BUFFERS	CARL MORGAN (M-NCPPC) MONTGOMERY COUNTY DEP <i>System Size = Large</i> Montgomery County	VAR VAR	02-14-02-02 <i>NPDES #</i> MDR055501	W/S: Y PFA: Y Compliance PUBLIC LARGE	 <i>Construction</i> // //	14,350,000 <i>Green \$</i> 14,350,000	7,175,000 <i>Loan \$</i> 7,175,000 LOAN INTEREST	VIB = 14,350,000
37 60	SANITARY SEWER RECONSTRUCTION PROGRAM - SECTION 7 CW0026 Ben.Pop= 1,337,228	PROBLEM: AGING SEWER INFRASTRUCTURE EXPERIENCES INFLOW AND INFILTRATION AND SANITARY SEWER OVERFLOWS PROJECT: PHASE 7 OF PROGRAMMATIC LOAN FOR SYSTEM-WIDE SEWER RECONSTRUCTION PROGRAM	WEIBO LI WASHINGTON SUBURBAN SANITARY COMMISSION (WSSC) <i>System Size = Large</i>	VAR VAR	 <i>NPDES #</i> MULTIPLE	W/S: Y PFA: Y Compliance PUBLIC LARGE	<i>Design</i> 12/01/2022 <i>Construction</i> 12/01/2023 12/31/2024	110,635,200	110,635,200 <i>Loan \$</i> 110,635,200 LOAN INTEREST	VA = 110,635,200
38 55	TRENTON STREET SEWAGE PUMPING STATION REHABILITATION CW0050 Ben.Pop= 5,800	PROBLEM: AGING PUMP STATION IN 100-YR FLOODPLAIN IS FAILING, LEAKING PIPES, PUMP FAILURE AND STRUCTURAL DAMAGE PROJECT: D/C REPAIRS AND ABANDON EXISTING WET WELL, NEW WET WELL, PUMP VAULT, PUMPS, VALVES, CONTROLS AND PIPING, FLOODPROOFING	GEORGE W. HYDE, P.E. COMMISSIONERS OF CAMBRIDGE <i>System Size = Large</i> Dorchester County	37B 1	02-13-04-03 <i>NPDES #</i> MD0021636	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 05/01/2022 <i>Construction</i> 06/01/2023 06/30/2024	3,044,000	3,044,000 <i>Loan \$</i> 3,044,000 LOAN INTEREST	IIIB = 3,044,000
39 50	BRUNSWICK STREAM RESTORATIONS CW0004 Ben.Pop= 28,168	PROBLEM: BANK EROSION/CHANNEL INCISION AT SITE S-6 ADJACENT TO SPORTS COMPLEX IMPROVEMENTS PROJECT: STREAM RESTORATION AT SITE S-6	DAVID DUNN CITY OF BRUNSWICK <i>System Size = Small</i> Frederick County	6 6	02-14-03-01	W/S: E PFA: E Compliance PUBLIC SMALL	<i>Design</i> 07/01/2023 <i>Construction</i> 11/01/2023 06/30/2024	1,050,000	525,000 LOAN UNWANTED	VIA = 1,050,000
40 45	WRF GRIT SEPARATION AND UV DISINFECTION CW0033 Ben.Pop= 48,885	PROBLEM: WRF HAS SCREENING BUT NO GRIT REMOVAL SYSTEM. CHEMICALS USED IN LIEU OF A UV DISINFECTION SYSTEM POSE RISK OF LEAKS PROJECT: ADD VORTEX GRIT SYSTEM. ADD UV DISINFECTION SYSTEM TO PROVIDE TREATMENT REDUNDANCY IN LIEU OF CHEMICAL DISINFECTANTS	ROBERT SMITH MAYOR AND CITY COUNCIL OF CUMBERLAND <i>System Size = Large</i> Allegany County	6 1	12-14-10-01 <i>NPDES #</i> MD0021598	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 06/01/2023 <i>Construction</i> 07/01/2024 12/31/2025	4,445,000	4,445,000 <i>Loan \$</i> 4,445,000 LOAN INTEREST	II = 4,445,000

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- | | | | | |
|-------------------------|----------------------------------|-----------------------------------|-------------------------------|-----------------------|
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Friday, June 03, 2022

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41 40	TOWN OF LUKE SEWER COLLECTION SYSTEM - PHASE 3 CW0036 Ben.Pop= 75	PROBLEM: AGING GRAVITY SEWER SYSTEM; IMPROPER SEPARATION OF W/S MAINS; RAW SEWAGE DISCHARGE/BACKUPS PROJECT: REHAB/REPLACE 3480 LF OF 6-10 INCH SEWER MAINS	EDWARD CLEMONS, JR. TOWN OF LUKE System Size = Small Allegany County	1A 6	02-14-10-05 NPDES # MD0021687	W/S: Y PFA: Y PUBLIC SMALL DISADV.	Design 07/01/2022 Construction 06/01/2023 10/31/2023	1,509,400	1,500,000 LOAN UNWANTED	IIIB = 1,509,400
42 40	JERSEY ISLAND WASTEWATER PUMP STATION REPLACEMENT CW0053 Ben.Pop= 555	PROBLEM: PUMP STATION EXCEEDS LIFE EXPECTANCY, INOPERABLE BYPASS CONNECTION, FAILING PUMPS PROJECT: D/C REPLACE WW PUMP STATION INC FLOW METER, VALVE VAULTS, BYPASS CONNECT, CONTROLS, ALARM SYSTEM, FLOOD PROTECTION MEASURES	BARRY DIZE CITY OF CRISFIELD System Size = Small Somerset County	38A 1	02-13-02-06 NPDES # MD002001	W/S: Y PFA: Y PUBLIC SMALL DISADV.	Design 07/01/2022 Construction 05/01/2023 11/30/2023	650,000	650,000 Loan \$ 650,000 LOAN INTEREST	IIIB = 650,000
43 40	WESTERNPORT SANITARY SEWER REPLACEMENT CW0088 Ben.Pop= 2,400	PROBLEM: EARLY 1900S TERRACOTTA SEWER MAINS CRACKED AND CRUMBLING. INCREASED INSURANCE CLAIMS. SEWAGE LEAKS INTO DITCHES+SEWER BACKUPS PROJECT: REPLACE TOWN SANITARY SEWER SYSTEM-71,578 LF SEWER MAINS (6-IN TO 24-IN), 237 MANHOLES +APPURTENANCES	AARON LATTANZIA TOWN OF WESTERNPORT System Size = Small Allegany County	1A 6	02-14-10-01 NPDES # MD0021687	W/S: Y PFA: Y PUBLIC SMALL DISADV.	Design 08/01/2021 Construction 04/01/2023 12/31/2024	23,348,899	22,665,000 Loan \$ 22,665,000 LOAN INTEREST	IIIB = 23,348,899
44 40 GREEN (E)	WINDMILL FORCE MAIN REPLACEMENT CW0071 Ben.Pop= 2,500	PROBLEM: EXISTING FORCEMAIN IS TUBERCULATED CAUSING EXCESSIVE HEADLOSS AND EXCESSIVE ENERGY CONSUMPTION. PROJECT: D/C REPLACE FORCEMAIN ASSOCIATED WITH THE RELOCATION OF THE PUMP STATION TO REDUCE ENERGY CONSUMPTION & INCREASE EFFICIENCY	PAUL MOFFETT, P.E. EASTON UTILITIES COMMISSION System Size = Large Talbot County	37B 1	02-13-04-03 NPDES # MD0020273	W/S: Y PFA: Y PUBLIC LARGE DISADV.	Design 01/01/2019 Construction 01/01/2023 12/31/2023	2,418,000 Green \$ 2,418,000	2,418,000 Loan \$ 2,418,000 LOAN INTEREST	IIIB = 2,418,000
45 40	SC-1014 JONES FALLS SEWERSHED INFLOW & INFILTRATION REDUCTION - PROJECT 01 CW0015	PROBLEM: HIGH INFLOW & INFILTRATION IN EIGHT METERED BASINS; MODIFIED CONSENT DECREE JFM-02-1524 PROJECT: CONSTRUCT REHAB OF 16.58 MILES OF SANITARY SEWER PIPE USING CIPP METHOD & POINT REPAIRS; REHAB ~558 MANHOLES, VARIOUS METHODS	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE System Size = Large Baltimore City	REG 7	02-13-09-05 NPDES # MD0021555	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	Design 01/01/2020 Construction 12/01/2023 11/30/2025	16,630,320	12,584,826 Loan \$ 12,584,826 LOAN INTEREST	IIIA = 16,630,320

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Friday, June 03, 2022

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Page 10

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46 40	SC-1016 JONES FALLS SEWERSHED INFLOW & INFILTRATION REDUCTION - PROJECT 03 CW0016	PROBLEM: HIGH INFLOW & INFILTRATION IN SIX METERED BASINS; MODIFIED CONSENT DECREE JFM-02-1524 PROJECT: CONSTRUCT REHAB OF ~15 MILES OF SANITARY SEWER PIPE USING CIPP METHOD & POINT REPAIRS; REHAB ~644 MANHOLES, VARIOUS METHODS	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	43 7	02-13-09-04 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2020 <i>Construction</i> 12/01/2023 11/30/2025	14,427,963	10,896,546 <i>Loan \$</i> 10,896,546 LOAN INTEREST	IIIA = 14,427,963
47 35	EDGEMONT RESERVOIR EMERGENCY REPAIR CW0038 Ben.Pop= 108,600	PROBLEM: AGING DAM THREATENS DOWNSTREAM WATER QUALITY; DAM BEING MAINTAINED IN DRY CONDITION FOR PUBLIC SAFETY; PROJECT: RECONSTRUCT DAM, ADDRESS INTAKE SCREENING AND RESERVOIR AERATION	WILLIAM LUHN CITY OF HAGERSTOWN <i>System Size = Large</i> Washington County	2C 6	02-14-05-02	W/S: E PFA: E Compliance PUBLIC LARGE DISADV.	<i>Design</i> 05/01/2017 <i>Construction</i> 10/01/2023 12/31/2025	20,250,000	17,250,000 <i>Loan \$</i> 17,250,000 LOAN INTEREST	VIK = 20,250,000
48 30	CONSTRUCT CECO TO CHERRY HILL CONNECTION PH 2 LAGOON DECOMMISSIONING CW0046 Ben.Pop= 308	PROBLEM: FLOW HAS BEEN REDIRECTED TO CHERRY HILL WWTP, LAGOONS ARE NO LONGER NEEDED PROJECT: D/C DEMOLITION/DECOMMISSION OF LAGOONS AND COMPLETE COLLECTION SYSTEM REPAIRS	PHILIP MUZIK CECIL COUNTY <i>System Size = Large</i> Cecil County	34A 1	02-13-06-05 <i>NPDES #</i> MD0052825	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2021 <i>Construction</i> 04/01/2023 10/31/2023	3,000,000	3,000,000 <i>Loan \$</i> 3,000,000 LOAN INTEREST	O = 3,000,000
49 30	REPLACEMENT OF EAST NEW MARKET PUMP STATION CW0049 Ben.Pop= 450	PROBLEM: PUMPING STATION BUILT IN 1972 IS AGING, FREQUENT OVERFLOW EVENTS PROJECT: P/D/C NEW PUMP STATION WITH SUBMERSIBLE PUMPS, VALVE VAULT, VFDS, BYPASS CHAMBER AND CONTROL CABINET	MICHELLE JACKSON MAYOR & COUNCIL OF EAST NEW MARKET <i>System Size = Small</i> Dorchester County	37 1	02-13-04-04 <i>NPDES #</i> MD0055352	W/S: Y PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 03/01/2023 <i>Construction</i> 09/01/2023 04/30/2024	1,883,162	1,883,162 <i>Loan \$</i> 1,883,162 LOAN INTEREST	IVB = 1,883,162
50 30	REGION I - UNIONVILLE, TUNIS MILLS & COPPERVILLE GRINDER PUMP REPLACEMENT CW0065 Ben.Pop= 500	PROBLEM: FAILING GRINDER PUMPS THROUGHOUT SYSTEM ~200 PROJECT: P/D/C REPLACEMENT OF ~200 GRINDER PUMPS	RAY CLARKE, P.E. TALBOT COUNTY GOVERNMENT <i>System Size = Small</i> Talbot County	37B 1	02-13-05-02 <i>NPDES #</i> MD0023604	W/S: Y PFA: 2 PUBLIC SMALL DISADV.	<i>Design</i> 01/01/2022 <i>Construction</i> 06/01/2023 12/31/2023	800,000	800,000 <i>Loan \$</i> 800,000 LOAN INTEREST	IIIB = 800,000

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- II. Advanced Treatment
- IIIA. I/I Correction
- IIIB. Major Sewer Rehab

- IVA. New Collector Sewer
- IVB. New Interceptor Sewer
- VA. CSO Correction - Traditional
- VB. CSO Correction - Green

- VIA. SW Conveyance Infrastructure
- VIB. SW Treatment Systems
- VIC. Green Infrastructure
- VID. General SW Management

- VIIJ. NPS: Sanitary Landfills
- VIIK. NPS: Hydromodification
- VIII. Decentralized
- E. Energy Conservation

- W. Water Conservation
- O. Other

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Page 11

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51 30	TOWN OF QUEENSTOWN SEWER SYSTEM REPLACEMENT CW0052 Ben.Pop= 875	PROBLEM: AGING COLLECTION SYSTEM; EXCESSIVE I&I PROJECT: P/D/C REPLACEMENT OF 22,000 LF OF 8"-10" GRAVITY SEWER	ROBERT D. RAUCH COMMISSIONERS OF QUEENSTOWN, MD <i>System Size = Small</i> Queen Anne's County	36 1	02-13-05-05 <i>NPDES #</i> MD0023370	W/S: Y PFA: Y PUBLIC SMALL	<i>Design</i> 07/01/2022 <i>Construction</i> 03/01/2023 04/30/2024	7,765,000	7,765,000 <i>Loan \$</i> 7,765,000 LOAN INTEREST	IIIB = 7,765,000
52 30	REGION V - TILGHMAN SEWER COLLECTION SYSTEM IMPROVEMENTS CW0069 Ben.Pop= 1,700	PROBLEM: I&I; FAILURE OF GRAVITY SEWER LINES; BROKEN CLEANOUTS, OFF-SET JOINTS, LEAKING PIPE & MANHOLE JOINTS, FRAMES & COVERS PROJECT: P/D/C IMPROVEMENT/REHAB TO SEWER COLLECTION SYSTEM INC CLEANING SEWER LINES, INSPECT PIPES, LATERALS, MANHOLES	RAY CLARKE, P.E. TALBOT COUNTY GOVERNMENT <i>System Size = Small</i> Talbot County	37B 1	02-13-04-03 <i>NPDES #</i> MD0059463	W/S: Y PFA: 2 PUBLIC SMALL DISADV.	<i>Design</i> 09/01/2022 <i>Construction</i> 03/01/2023 03/31/2024	1,500,000	1,500,000 <i>Loan \$</i> 1,500,000 LOAN INTEREST	I = 1,500,000
53 30	FEDERALSBURG MARINA PARK & EAST CENTRAL AVE PUMPING STATION REPLACEMENTS CW0064 Ben.Pop= 2,800	PROBLEM: AGING GRAVITY SEWER SYSTEM PROJECT: /D/C RENOVATE PUMPING STATIONS TO INCLUDE REPLACEMENT OF PUMPS, HEADWORKS, COMMUNOTOR, GENERATOR & INSTRUMENTATION	LAWRENCE DIRE MAYOR & COUNCIL OF THE TOWN OF FEDERALSBURG <i>System Size = Small</i> Caroline County	36 1	02-13-03-06 <i>NPDES #</i> MD0020249	W/S: Y PFA: Y PUBLIC PRIVATE SMALL DISADV.	<i>Design</i> 09/01/2022 <i>Construction</i> 07/01/2023 04/30/2024	2,215,550	2,215,550 <i>Loan \$</i> 2,215,550 LOAN INTEREST	IVB = 2,215,550
54 30	CITY OF ROCKVILLE ORANGEBURG LATERAL REPLACEMENT PROJECT CW0077 Ben.Pop= 4,000	PROBLEM: DECAYED/COLLAPSED PITCH-FIBER PIPE IN WASTEWATER COLLECTION SYS CAUSING GROUND SURFACE & STORM DRAIN DISCHARGE & HOME BACKUPS PROJECT: CONSTRUCT REPLACEMENT OF 119,856 LF OF 4" BIODEGRADING ORANGEBURG LATERALS WITH PVC PIPE	HEATHER GEWANDTER CITY OF ROCKVILLE <i>System Size = Large</i> Montgomery County	17 8	02-14-02-06 <i>NPDES #</i> DC0021199	W/S: Y PFA: Y PUBLIC SMALL	<i>Design</i> 12/01/2021 <i>Construction</i> 12/01/2023 12/31/2025	3,000,000	2,625,000 LOAN UNWANTED	IIIB = 3,000,000
55 30	LEONARDTOWN WASTEWATER TREATMENT PLANT EXPANSION CW0054 Ben.Pop= 8,450	PROBLEM: INCREASED FLOOD LEVELS DURING RECENT STORM EVENTS PLACING PLANT INFRASTRUCTURE AT RISK PROJECT: P/D/C UPGRADE & EXPAND WWTP W/ SW & FLOOD MITIGATION UPGRADES, EXPAND EMERGENCY STORAGE & WASTE SLUDGE HOLDING TANKS	LASCHELLE MCKAY THE COMMISSIONERS OF LEONARDTOWN St. Mary's County	29A 5	02-14-01-04 <i>NPDES #</i> MD0024767	W/S: E PFA: E PUBLIC SMALL	<i>Design</i> 04/01/2020 <i>Construction</i> 07/01/2022 12/31/2023	739,800	739,800 LOAN UNWANTED	O = 739,800

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56 30	BRUNSWICK WASTE WATER TREATMENT PLANT UPGRADE - PHASE 1-2 CW0002 Ben.Pop= 20,500	PROBLEM: SLUDGE HANDLING INFRASTRUCTURE BEYOND USEFUL LIFE PROJECT: REPLACE SLUDGE REMOVAL INFRASTRUCTURE OF WWTP	DAVID DUNN CITY OF BRUNSWICK, MD <i>System Size = Small</i> Frederick County	4 6	02-04-03-01	W/S: Y PFA: Y PUBLIC SMALL	<i>Design</i> 06/01/2022 <i>Construction</i> 06/01/2022 04/30/2023	6,000,000	6,000,000 LOAN UNWANTED	II = 6,000,000
57 30	PUMPKIN HILL WWPS & FM CW0057 Ben.Pop= 56,093	PROBLEM: PUMPS HAVE REACHED END OF USEFUL LIFE; FORCE MAINS HAVE REACHED ANTICIPATED LIFE EXPECTANCY PROJECT: P/D/C MODIFICATIONS TO WWPS & REPLACEMENT OF FORCE MAIN; REHAB WILL REPLACE BOTH PUMPS	THEON GROJEAN WASHINGTON SUBURBAN SANITARY COMMISSION <i>System Size = Large</i> Prince George's County	23A 4&5	02-14-02-05 <i>NPDES #</i> MD0021725	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 10/01/2021 <i>Construction</i> 10/01/2023 04/30/2025	4,358,000	4,358,000 <u>Loan \$</u> 4,358,000 LOAN INTEREST	IIIB = 4,358,000
58 30	CITY OF ROCKVILLE WASTEWATER COLLECTION SYSTEM REHABILITATION PROJECT CW0076 Ben.Pop= 72,000	PROBLEM: AGING WASTEWATER COLLECTION SYSTEM, I&I, SANITARY SEWER OVERFLOWS AND BASEMENT BACKUPS PROJECT: CONSTRUCT NINE MILES OF PIPE REHABILITATION (CIPP/POINT REPAIRS) OR REPLACEMENT AS NEEDED	HEATHER GEWANDTER CITY OF ROCKVILLE <i>System Size = Large</i> Montgomery County	17 8	02-14-02-06 <i>NPDES #</i> DC0021199	W/S: Y PFA: Y PUBLIC LARGE	<i>Design</i> 12/01/2021 <i>Construction</i> 07/01/2023 07/31/2025	3,000,000	2,625,000 LOAN UNWANTED	IIIB = 3,000,000
59 30	SC-1004 GWYNNS FALLS SEWERSHED INFLOW AND INFILTRATION REDUCTION - PROJECT 01 CW0009	PROBLEM: HIGH INFLOW & INFILTRATION IN SIX METERED BASINS; MODIFIED CONSENT DECREE PROJECT: CONSTRUCT REHAB OF 15.84 MILES OF SANITARY SEWER PIPE USING CIPP & POINT REPAIRS; REHAB 820 MANHOLES, VARIOUS METHODS	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	REG 7	02-13-09-01 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2020 <i>Construction</i> 11/01/2022 02/28/2025	21,671,398	7,598,760 <u>Loan \$</u> 7,598,760 LOAN INTEREST	IIIA = 21,671,398
60 30	SC-1005 HERRING RUN SEWERSHED INFLOW AND INFILTRATION REDUCTION - PROJECT 01 CW0010	PROBLEM: HIGH INFLOW & INFILTRATION IN TEN METERED BASINS; MODIFIED CONSENT DECREE PROJECT: CONSTRUCT REHAB OF ~32.5 MILES OF SANITARY SEWER PIPE USING CIPP METHOD AND POINT REPAIRS ALONG WITH ~1,193 SEWER MANHOLES	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	REG 3,7	02-13-09-01 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2020 <i>Construction</i> 11/01/2022 02/28/2025	25,940,919	12,215,636 <u>Loan \$</u> 12,215,636 LOAN INTEREST	IIIA = 25,940,919

NEEDS CATEGORY DEFINITIONS:

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|-------------------------|----------------------------------|-----------------------------------|-------------------------------|-----------------------|
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| IIIA. I/I Correction | VA. CSO Correction - Traditional | VIC. Green Infrastructure | VIII. Decentralized | |
| IIIB. Major Sewer Rehab | VB. CSO Correction - Green | VID. General SW Management | E. Energy Conservation | |

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 03, 2022

Clean Water Funds (State Revolving Loan/ State Grant)

Page 13

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61 30	SC-1006 HERRING RUN SEWERSHED INFLOW & INFILTRATION REDUCTION - PROJECT 02 CW0011	PROBLEM: HIGH INFLOW & INFILTRATION IN NINE METERED BASINS; MODIFIED CONSENT DECREE PROJECT: CONSTRUCT REHAB OF 33.32 MILES OF SANITARY SEWER PIPE USING CIPP & POINT REPAIRS; REHAB 1,119 MANHOLES, VARIOUS METHODS	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	45 3	02-13-09-01 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2020 <i>Construction</i> 11/01/2022 02/28/2025	26,672,764	9,706,427 <u>Loan \$</u> 9,706,427 LOAN INTEREST	IIIA = 26,672,764
62 30	SC-1007 HERRING RUN SEWERSHED INFLOW & INFILTRATION REDUCTION - PROJECT 03 CW0012	PROBLEM: HIGH INFLOW & INFILTRATION IN THREE METERED BASINS; MODIFIED CONSENT DECREE PROJECT: CONSTRUCT REHAB OF 8 MILES OF SANITARY SEWER PIPE USING CIPP & POINT REPAIRS; REHAB 231 MANHOLES, VARIOUS METHODS	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	45 2	02-13-09-01 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2020 <i>Construction</i> 11/01/2022 02/28/2025	6,559,189	2,374,491 <u>Loan \$</u> 2,374,491 LOAN INTEREST	IIIA = 6,559,189
63 30	SC-1011 LOW LEVEL SEWERSHED INFLOW & INFILTRATION REDUCTION - PROJECT 04 CW0013	PROBLEM: HIGH INFLOW & INFILTRATION IN EIGHT METERED BASINS; MODIFIED CONSENT DECREE JFM-02-1524 PROJECT: CONSTRUCT REHAB OF ~31 MILES OF SANITARY SEWER PIPE USING CIPP METHOD & POINT REPAIRS; REHAB 1,111 MANHOLES, VARIOUS METHODS	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	REG 3,7	02-13-09-03 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2020 <i>Construction</i> 12/01/2023 11/30/2025	14,917,351	10,980,005 <u>Loan \$</u> 10,980,005 LOAN INTEREST	IIIA = 14,917,351
64 30	SC-1013 HIGH LEVEL SEWERSHED INFLOW & INFILTRATION REDUCTION - PROJECT 01 CW0014	PROBLEM: HIGH INFLOW & INFILTRATION IN FIVE METERED BASINS; MODIFIED CONSENT DECREE JFM-02-1524 PROJECT: CONSTRUCT REHAB OF ~22 MILES OF SANITARY SEWER PIPE USING CIPP METHOD & POINT REPAIRS; REHAB ~860 MANHOLES, VARIOUS METHODS	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	REG 7	02-13-09-05 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y Compliance PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2020 <i>Construction</i> 12/01/2023 11/30/2025	22,337,220	16,916,298 <u>Loan \$</u> 16,916,298 LOAN INTEREST	IIIA = 22,337,220
65 25	TOWN OF HANCOCK WASTEWATER SYSTEM PROJECT - COLLECTION SYSTEM REHAB CW0075 Ben.Pop= 4,100	PROBLEM: I&I MAKES UP TO 30% OF FLOW TO WWTP; COLLECTION SYSTEM IN POOR CONDITION; FAILURES DUE TO AGE & HYDROGEN SULFIDE PROJECT: D/C REHAB INC. SEWER LINE, FORCE MAIN & MANHOLE REPLACEMENT; MANHOLE LINING/POINT REPAIRS AND NON-SEWER CONNECTION REMOVAL	TIM SMITH TOWN OF HANCOCK <i>System Size = Small</i> Washington County	1C 6	02-14-05-07 <i>NPDES #</i> MD0024562	W/S: Y PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 04/01/2022 <i>Construction</i> 04/01/2023 04/30/2024	13,057,000	12,913,700 <u>Loan \$</u> 12,913,700 LOAN INTEREST	IIIA = 13,057,000

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| II. Advanced Treatment | IVB. New Interceptor Sewer | VIB. SW Treatment Systems | VIIK. NPS: Hydromodification | O. Other |
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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 03, 2022

Clean Water Funds (State Revolving Loan/ State Grant)

Page 14

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66 25	HAGERSTOWN WASTEWATER COLLECTION REHABILITATION PHASE 1C CW0041 Ben.Pop= 25,000	PROBLEM: VITRIFIED CLAY PIPES INSTALLED IN THE 1950'S CRACKED/LEAKING; I&I PROJECT: CIPP LINING TO REPAIR 16,000 LF OF 8-15 INCH MAINS	JOSEPH MOSS CITY OF HAGERSTOWN <i>System Size = Large</i> Washington County	2C 6	02-14-05-02 <i>NPDES #</i> MD0021776	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 05/01/2021 <i>Construction</i> 10/01/2022 04/30/2023	2,400,000	2,400,000 <i>Loan \$</i> 2,400,000 LOAN INTEREST	IIIA = 2,400,000
67 20	EAST A STREET SEWER SYSTEM REHABILITATION-BRUNSWICK CW0001 Ben.Pop= 55	PROBLEM: FREQUENT SEWER LEAKS AND BACKUPS. MAJOR SOURCE OF I&I. SEWER LEAKS HAVE HIGH PROBABILITY CONTAMINATING STORM WATER SYSTEM. PROJECT: REPLACE SEWER INFRASTRUCTURE IN FIRST UNIT BLOCK OF EAST A ST.	DAVID DUNN CITY OF BRUNSWICK, MD <i>System Size = Small</i> Frederick County	4 6	02-04-03-01	W/S: Y PFA: Y PUBLIC SMALL	<i>Design</i> 06/01/2022 <i>Construction</i> 08/01/2023 04/30/2024	225,000	112,500 LOAN UNWANTED	IIIB = 225,000
68 20	BROAD STREET PUMP STATION UPGRADES CW0058 Ben.Pop= 303	PROBLEM: AGING PUMP STATION FAILING; LIMITED MONITORING CAPABILITIES PROJECT: D/C REPLACEMENT OF BROAD ST PUMP STATION W/NEW WET WELL, PUMPS, CONTROLS, SCADA GENERATOR & APPURTENANCES	JEFF FLEETWOOD TOWN OF BERLIN <i>System Size = Small</i> Worcester County	38C 1	02-13-01-05 <i>NPDES #</i> MD2864X91	W/S: Y PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 05/01/2022 <i>Construction</i> 04/01/2023 10/31/2023	864,000	864,000 <i>Loan \$</i> 864,000 LOAN INTEREST	IVB = 864,000
69 20	REPAIR PORT DEPOSIT INFLOW & INFILTRATION CW0047 Ben.Pop= 650	PROBLEM: EXCESSIVE I&I; STRUCTURAL DEFECTS THROUGHOUT SYSTEM PROJECT: D/C REPAIR/ADJUST I&I PRONE CLEANOUTS INC LINING, SEWER MAIN REPAIR & REPLACEMENT, GROUTING MANHOLES, REMOVE STORM SEWER CONN	PHILIP MUZIK CECIL COUNTY <i>System Size = Large</i> Cecil County	35A 1	02-12-02-01 <i>NPDES #</i> MD0020796	W/S: Y PFA: Y PUBLIC LARGE	<i>Design</i> 07/01/2021 <i>Construction</i> 07/01/2023 07/31/2024	1,050,000	1,050,000 <i>Loan \$</i> 1,050,000 LOAN INTEREST	IIIA = 1,050,000
70 20	REPLACEMENT OF WATER & WASTEWATER EMERGENCY GENERATOR - MARTINGHAM CW0072 Ben.Pop= 900	PROBLEM: EMERGENCY GENERATOR HAS EXCEEDED USEFUL LIFE PROJECT: P/D/C REPLACEMENT OF EMERGENCY GENERATOR	RAY CLARKE, P.E. TALBOT COUNTY GOVERNMENT <i>System Size = Small</i> Talbot County	37B 1	12-13-05-02 <i>NPDES #</i> MD0023604	W/S: Y PFA: 2 PUBLIC SMALL DISADV.	<i>Design</i> 09/01/2021 <i>Construction</i> 07/01/2023 12/31/2023	340,000	340,000 <i>Loan \$</i> 340,000 LOAN INTEREST	O = 340,000

NEEDS CATEGORY DEFINITIONS:

I. Secondary Treatment
II. Advanced Treatment
IIIA. I/I Correction
IIIB. Major Sewer Rehab

IVA. New Collector Sewer
IVB. New Interceptor Sewer
VA. CSO Correction - Traditional
VB. CSO Correction - Green

VIA. SW Conveyance Infrastructure
VIB. SW Treatment Systems
VIC. Green Infrastructure
VID. General SW Management

VIIJ. NPS: Sanitary Landfills
VIK. NPS: Hydromodification
VIIL. Decentralized
E. Energy Conservation

W. Water Conservation
O. Other

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 03, 2022

Clean Water Funds (State Revolving Loan/ State Grant)

Page 15

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	River Basin NPDES #	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding	Cost By Needs Category
71 20	UNION BRIDGE I&I REDUCTION IN SEWERAGE COLLECTION SYSTEM CW0074 Ben.Pop= 1,000	PROBLEM: AN ESTIMATED 29% OF FLOWS TO TREATMENT PLANT ARE ATTRIBUTED TO INFLOW AND INFILTRATION PROJECT: P/D/C FURTHER I&I STUDY AND REPAIR/REPLACE/LINE 27,000 LF OF 8-10 INCH SEWER PIPE AND MANHOLE REPAIR	MIKE REYNOLDS TOWN OF UNION BRIDGE <i>System Size = Small</i> Carroll County	4B 6	02-14-03-03 <i>NPDES #</i> MD0022454	W/S: Y PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 04/01/2022 <i>Construction</i> 12/01/2023 12/31/2024	6,754,300	6,677,000 <u>Loan \$</u> 6,677,000 LOAN INTEREST	IIIA = 6,754,300
72 20	STORMDRAIN PROJECT AT HERITAGE DRIVE CW0037 Ben.Pop= 2,275	PROBLEM: UNDERSIZED AND DATED STORMDRAIN SYSTEM CAUSING FLOODING IN YARDS AND BASEMENTS PROJECT: ADD 1700 LF OF 12-36 INCH UNDERGROUND STORMDRAINS; BIORETENTION AND GRASS SWALES	DONALD SINCELL TOWN OF MOUNTAIN LAKE PARK <i>System Size = Small</i> Garrett County	1A 6	05-02-02-02	W/S: E PFA: E PUBLIC SMALL DISADV.	<i>Design</i> 09/01/2007 <i>Construction</i> 09/01/2022 12/31/2023	1,143,038 <i>Green \$</i> 121,500	1,129,229 LOAN UNWANTED	VIB = 1,143,038
73 20	REGION I, II & MARTINGHAM - SANITARY SEWER OVERFLOW SENSORS CW0066 Ben.Pop= 3,250	PROBLEM: EXCESSIVE SANITARY SEWER OVERFLOWS PROJECT: P/D/C INSTALL ~350 PRESSURE & VACUUM SENSORS W/IN VALVE VAULTS; INCORPORATE ALL SENSORS INTO SCADA SYSTEM; VALVE VAULT UPGRADE	RAY CLARKE, P.E. TALBOT COUNTY GOVERNMENT <i>System Size = Small</i> Talbot County	37B 1	02-13-05-02 <i>NPDES #</i> MD0023604	W/S: Y PFA: 2 PUBLIC SMALL DISADV.	<i>Design</i> 01/01/2022 <i>Construction</i> 04/01/2023 12/31/2023	770,000	770,000 <u>Loan \$</u> 770,000 LOAN INTEREST	IIIB = 770,000
74 20	DELMAR SEWER REPLACEMENT PROJECT - PHASE 2 CW0060 Ben.Pop= 5,940	PROBLEM: AGING GRAVITY SEWER MAINS; I&I WITH EXCESS FLOW TO DELMAR WWTP PROJECT: D/C REPLACE OR LINE 3,200 LF OF 8'-10' MAINS	SARA BYNUM-KING TOWN OF DELMAR <i>System Size = Small</i> Wicomico County	38B 1	02-13-03-04 <i>NPDES #</i> MD0020532	W/S: Y PFA: Y Compliance PUBLIC SMALL DISADV.	<i>Design</i> 06/01/2022 <i>Construction</i> 06/01/2023 02/28/2024	1,413,427	1,413,427 <u>Loan \$</u> 1,413,427 LOAN INTEREST	IIIA = 1,413,427
75 20	NORTH BRANCH WWTP CLARIFIER CW0032 Ben.Pop= 6,900	PROBLEM: PLANT HAS 30 YEAR OLD FAILING STEEL CLARIFIER ALLOWS SOLIDS LOSS PROJECT: REPLACE WITH NEW CONCRETE CLARIFIER	JAMES WEBBER ALLEGANY COUNTY COMMISSIONERS <i>System Size = Small</i> Allegany County	1B 6	02-14-10-01 <i>NPDES #</i> MD0063878	W/S: Y PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 03/01/2022 <i>Construction</i> 09/01/2022 08/31/2023	1,750,000	1,750,000 <u>Loan \$</u> 1,750,000 LOAN INTEREST	I = 1,750,000

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Friday, June 03, 2022

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Page 16

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76 20	SC-1018 PATAPSCO SLUDGE BLENDING TANK CONCRETE REHABILITATION CW0017 Ben.Pop= 945,000	PROBLEM: CONCRETE ASSOCIATED WITH THE SLUDGE BLENDING TANKS IS DETERIORATING AND MUST BE REHABBED TO MAINTAIN SAFE/RELIABLE SERVICE PROJECT: CONSTRUCT REPAIR/REHAB OF THE DETERIORATED CONCRETE AT THE PATAPSCO WWTP SLUDGE BLENDING TANKS	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	46 2	02-13-09-03 <i>NPDES #</i> MD0021601	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 02/01/2021 <i>Construction</i> 07/01/2023 07/31/2025	8,110,513	1,679,616 <u>Loan \$</u> 1,679,616 LOAN INTEREST	0 = 8,110,513
77 20	SC-1018 PATAPSCO SLUDGE BLENDING TANK CONCRETE REHABILITATION CW0082 Ben.Pop= 945,000	PROBLEM: CONCRETE ASSOCIATED WITH THE SLUDGE BLENDING TANKS IS DETERIORATING AND MUST BE REHABBED TO MAINTAIN SAFE/RELIABLE SERVICE PROJECT: CONSTRUCT REPAIR/REHAB OF THE DETERIORATED CONCRETE AT THE PATAPSCO WWTP SLUDGE BLENDING TANKS	ROBERT BURROS BALTIMORE COUNTY, MARYLAND <i>System Size = Large</i> Baltimore County	46 2	02-13-09-03 <i>NPDES #</i> MD0021601	W/S: Y PFA: Y PUBLIC LARGE	<i>Design</i> 02/01/2021 <i>Construction</i> 07/01/2023 07/31/2025	0	5,515,149 <u>Loan \$</u> 5,515,149 LOAN INTEREST	
78 20	SC-1031 QUAD AVENUE PUMPING STATION REHABILITATION CW0018 Ben.Pop= 945,000	PROBLEM: PUMP STATION MUST BE REHABILITATED TO MAINTAIN SAFE/RELIABLE SERVICE TO WASTEWATER COLLECTION SYSTEM PROJECT: CONSTRUCT REPAIR/REPLACE/REHABILITATE EQUIPMENT AND SYSTEMS OF THE EXISTING WASTEWATER PUMPING STATION	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	45 1	02-13-09-01 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 06/01/2022 <i>Construction</i> 08/01/2023 08/31/2024	4,687,200	3,149,280 <u>Loan \$</u> 3,149,280 LOAN INTEREST	0 = 4,687,200
79 20	SC-982 EASTERN AVENUE PUMPING STATION REHABILITATION CW0007 Ben.Pop= 945,000	PROBLEM: PUMP STATION BUILT IN 1912; MUST BE REHABILITATED TO MAINTAIN SAFE/RELIABLE SERVICE TO WASTEWATER COLLECTION SYSTEM PROJECT: CONSTRUCT REPAIR/REPLACE/REHABILITATE EQUIPMENT AND SYSTEMS OF THE EXISTING WASTEWATER PUMPING STATION	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	46 2	02-13-09-03 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 05/01/2018 <i>Construction</i> 12/01/2022 12/31/2024	25,486,985	19,295,985 <u>Loan \$</u> 19,295,985 LOAN INTEREST	IIIB = 25,486,985
80 20	SC-982 EASTERN AVENUE PUMPING STATION REHABILITATION CW0080 Ben.Pop= 945,000	PROBLEM: PUMP STATION BUILT IN 1912; MUST BE REHABILITATED TO MAINTAIN SAFE/RELIABLE SERVICE TO WASTEWATER COLLECTION SYSTEM PROJECT: CONSTRUCT REPAIR/REPLACE/REHABILITATE EQUIPMENT AND SYSTEMS OF THE EXISTING WASTEWATER PUMPING STATION	ROBERT BURROS BALTIMORE COUNTY, MARYLAND <i>System Size = Large</i> Baltimore County	46 2	12-13-09-03 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y PUBLIC LARGE	<i>Design</i> 05/01/2018 <i>Construction</i> 12/01/2022 12/31/2024	0	254,870 <u>Loan \$</u> 254,870 LOAN INTEREST	

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Page 17

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	River Basin NPDES #	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding	Cost By Needs Category
81 20	SC-994 PATAPSCO WWTP CLARIFIERS AND THICKENERS REHABILITATION CW0008 Ben.Pop= 945,000	PROBLEM: SECONDARY CLARIFIERS AND GRAVITY SLUDGE THICKENERS ARE DETERIORATED; REHAB NEEDED IN ORDER TO MAINTAIN SAFE/RELIABLE SERVICE PROJECT: CONSTRUCT REHAB/REPAIR OF EIGHT SECONDARY CLARIFIERS & THREE GRAVITY SLUDGE THICKENERS ALONG WITH CATWALKS & WEIR STRUCTURES	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	46 2	02-13-09-03 <i>NPDES #</i> MD0021601	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 03/01/2022 <i>Construction</i> 08/01/2023 08/31/2026	56,635,200	12,765,082 <i>Loan \$</i> 12,765,082 LOAN INTEREST	0 = 56,635,200
82 20	SC-994 PATAPSCO WWTP CLARIFIERS AND THICKENERS REHABILITATION CW0081 Ben.Pop= 945,000	PROBLEM: SECONDARY CLARIFIERS AND GRAVITY SLUDGE THICKENERS ARE DETERIORATED; REHAB NEEDED IN ORDER TO MAINTAIN SAFE/RELIABLE SERVICE PROJECT: CONSTRUCT REHAB/REPAIR OF EIGHT SECONDARY CLARIFIERS & THREE GRAVITY SLUDGE THICKENERS ALONG WITH CATWALKS & WEIR STRUCTURES	ROBERT BURROS BALTIMORE COUNTY, MARYLAND <i>System Size = Large</i> Baltimore County	46 2	02-13-09-03 <i>NPDES #</i> MD0021601	W/S: Y PFA: Y PUBLIC LARGE	<i>Design</i> 03/01/2022 <i>Construction</i> 08/01/2023 08/31/2026	0	38,511,936 <i>Loan \$</i> 38,511,936 LOAN INTEREST	
83 20	SHARPTOWN SEWER COLLECTION SYSTEM I&I REMEDIATION CW0062	PROBLEM: I&I CAUSES FLOW TO EXCEED 500% OF THE DESIGN CAPACITY OF WWTP DURING WET WEATHER PROJECT: D/C REPAIR OR REPLACE 9,750 LF OF MAINS USING TRENCHLESS METHODS	P. DOUGLAS GOSNELL TOWN OF SHARPTOWN <i>System Size = Small</i> Wicomico County	37B 1	02-13-01-05 <i>NPDES #</i> MD0052175	W/S: Y PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 08/01/2022 <i>Construction</i> 11/01/2023 06/30/2024	1,243,000	1,243,000 <i>Loan \$</i> 1,243,000 LOAN INTEREST	IIIA = 1,243,000
84 10	FUNKSTOWN INFLOW AND INFILTRATION MITIGATION CW0043 Ben.Pop= 550	PROBLEM: I&I INCREASED DAILY FLOW FROM 32,000 TO 180,000 GPD PROJECT: LINE 1100 LF OF 8 INCH MAINS IN THE DRAINAGE AREA NEAR PUMP STATION #3	BRENDA HAYNES TOWN OF FUNKSTOWN <i>System Size = Small</i> Washington County	2A 06	02-14-05-02	W/S: Y PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 07/01/2022 <i>Construction</i> 12/01/2022 06/30/2023	225,000	225,000 <i>Loan \$</i> 225,000 LOAN INTEREST	IIIA = 225,000
85 10	SEWER IMPROVEMENT PROJECT PHASE 1 (SALISBURY, VERMONT, COMMERCE STREETS) CW0044 Ben.Pop= 3,200	PROBLEM: CRACKED/LEAKING VITRIFIED CLAY PIPE CONTIBUTING TO I&I, INCREASED TREATMENT COSTS PROJECT: LINE/REPLACE 1100 LF OF SEWER MAINS	WILLIAM GREEN TOWN OF WILLIAMSPORT <i>System Size = Small</i> Washington County	1B 6	02-14-05-04 <i>NPDES #</i> MD0063509	W/S: Y PFA: Y PUBLIC SMALL DISADV.	<i>Design</i> 08/01/2022 <i>Construction</i> 10/01/2022 01/31/2023	1,154,400	1,138,800 <i>Loan \$</i> 1,138,800 LOAN INTEREST	IIIB = 1,154,400

NEEDS CATEGORY DEFINITIONS:

- | | | | | |
|-------------------------|----------------------------------|-----------------------------------|-------------------------------|-----------------------|
| I. Secondary Treatment | IVA. New Collector Sewer | VIA. SW Conveyance Infrastructure | VIIJ. NPS: Sanitary Landfills | W. Water Conservation |
| II. Advanced Treatment | IVB. New Interceptor Sewer | VIB. SW Treatment Systems | VIIK. NPS: Hydromodification | O. Other |
| IIIA. I/I Correction | VA. CSO Correction - Traditional | VIC. Green Infrastructure | VIII. Decentralized | |
| IIIB. Major Sewer Rehab | VB. CSO Correction - Green | VID. General SW Management | E. Energy Conservation | |

PFA (Priority Funding Area) Codes:

- PFA: 1 = Categorical Exclusion
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PFA: 3 = Concurrency Review Required
PFA: 4 = Exception Under Review
PFA: 5 = Exception Granted

Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 03, 2022

Clean Water Funds (State Revolving Loan/ State Grant)

Page 18

Rank/ Points	Project Title/ Number/ Population	Project Description	Applicant Name/ County	Leg/Cong District	River Basin NPDES #	Project Details	Milestone Dates	Total Cost <i>Green Cost</i>	MDE Requested Funding	Cost By Needs Category
86 10	ROCK HALL WASTEWATER PUMPING STATION #2 UPGRADE CW0079 Ben.Pop= 4,328	PROBLEM: EXISTING PUMPS, PIPING & CONTROL SYSTEM @ END OF USEFUL LIFE; DRY WELL IS JEOPARDIZED & UNSAFE; PUMP & GENERATOR FAILURES PROJECT: P/D/C CONVERT WET/DRY WELL TO NEW SUCTION LIFT PUMP STATION; REMOVE MID-LEVEL PLATFORM; DECOMMISSION DRY WELL	ROBERT RESELE TOWN OF ROCK HALL <i>System Size = Small</i> Kent County	36 1	02-13-05-05 <i>NPDES #</i> MD0020303	W/S: Y PFA: 2 PUBLIC SMALL DISADV.	<i>Design</i> 10/01/2022 <i>Construction</i> 03/01/2023 09/30/2023	834,500	834,500 <u>Loan \$</u> 834,500 LOAN INTEREST	IVB = 834,500
87 10	SMITHSBURG WATER STREET SEWER LINE REPLACEMENT PROJECT CW0020 Ben.Pop= 4,478	PROBLEM: SEWER SYSTEM EXPERIENCING I&I; PONDING OF WATER OBSERVED DURING STORMS PROJECT: P/D/C REPL OF SEWER LINES/LATERALS & POSSIBLE SIZE INCR TO ALLOW ADDITIONAL FLOW; REPL OF STORMWATER PIPES/IMPROVE INLETS	CHAD ROONEY TOWN OF SMITHSBURG <i>System Size = Small</i> Washington County	2A 6	02-14-05-02 <i>NPDES #</i> MD0024317	W/S: Y PFA: Y PUBLIC SMALL	<i>Design</i> 08/01/2023 <i>Construction</i> 10/01/2023 03/31/2024	1,002,100	1,002,100 <u>Loan \$</u> 1,002,100 LOAN INTEREST	IIIB = 1,002,100
88 10	HAGERSTOWN PUMP STATION NO. 13 RECONSTRUCTION CW0039 Ben.Pop= 25,000	PROBLEM: OLD PS 13 REMOVED IN 2003. FLOW DIVERTED UNTIL 2023. NEED TO REBUILD PS 13 TO ACCOMMODATE RETURN OF FLOW TO CITY COLLECTION PROJECT: REBUILD PS 13, ADDRESS I&I IN DRAINAGE AREA LEADING TO PS 13	JOSEPH MOSS CITY OF HAGERSTOWN <i>System Size = Large</i> Washington County	2B 06	02-14-05-02 <i>NPDES #</i> MD0021776	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 05/01/2022 <i>Construction</i> 06/01/2023 06/30/2024	3,885,400	3,885,400 <u>Loan \$</u> 3,885,400 LOAN INTEREST	IVB = 3,885,400
89 10	HAGERSTOWN PUMP STATION NO. 33 CW0040 Ben.Pop= 25,000	PROBLEM: PS NO. 9 AT CAPACITY AND CANNOT BE UPGRADED/EXPANDED PROJECT: REDUCE OVERFLOW RISK BY REPLACING PS NO. 9 WITH NEW PS. 33; ADD GRAVITY SEWER BETWEEN THE TWO PS	JOSEPH MOSS CITY OF HAGERSTOWN <i>System Size = Large</i> Washington County	2C 06	02-14-05-02 <i>NPDES #</i> MD0021776	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 04/01/2022 <i>Construction</i> 01/01/2023 07/31/2023	3,535,000	3,535,000 <u>Loan \$</u> 3,535,000 LOAN INTEREST	VIB = 3,535,000
90 10	HAGERSTOWN WASTEWATER TREATMENT PLANT IMPROVEMENTS CW0042 Ben.Pop= 25,000	PROBLEM: AGING COMPONENTS AT HAGERSTOWN WWTP, SOME INSTALLED 50 YEARS AGO PROJECT: REPLACE MOTORIZED ENTRANCE GATES, ELECTRICAL CONTOLS, SLUDGE PUMPS, TANK MIXERS, AND SOFTWARE	JOSEPH MOSS CITY OF HAGERSTOWN <i>System Size = Large</i> Washington County	2C 06	02-14-05-02 <i>NPDES #</i> MD0021776	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 04/01/2022 <i>Construction</i> 02/01/2023 12/31/2023	3,525,000	3,525,000 <u>Loan \$</u> 3,525,000 LOAN INTEREST	II = 3,525,000

NEEDS CATEGORY DEFINITIONS:

- | | | | | |
|-------------------------|----------------------------------|-----------------------------------|-------------------------------|-----------------------|
| I. Secondary Treatment | IVA. New Collector Sewer | VIA. SW Conveyance Infrastructure | VIIJ. NPS: Sanitary Landfills | W. Water Conservation |
| II. Advanced Treatment | IVB. New Interceptor Sewer | VIB. SW Treatment Systems | VIIK. NPS: Hydromodification | O. Other |
| IIIA. I/I Correction | VA. CSO Correction - Traditional | VIC. Green Infrastructure | VIII. Decentralized | |
| IIIB. Major Sewer Rehab | VB. CSO Correction - Green | VID. General SW Management | E. Energy Conservation | |

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Maryland DRAFT Project Priority List for Federal FY2022 & State FY2024

Friday, June 03, 2022

Clean Water Funds (State Revolving Loan/ State Grant)

Page 19

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91 10	SC-978 SMALL DIAMETER SEWER MAIN REPLACEMENT IN ROLAND PARK, JONES FALLS SH CW0006 Ben.Pop= 265,500	PROBLEM: AGING SANITARY SEWER SYSTEM; INSUFFICIENT CAPACITY; SEWAGE BACKING UP INTO BASEMENTS PROJECT: CONSTRUCT REHAB/REPL 14,608 LF PIPE VARIOUS METHODS; REHAB/REPL 81 HOUSE CONN; REHAB 152 MANHOLES; REPL 130 VLF NEW SEWER MH	AARON MOORE MAYOR AND CITY COUNCIL OF BALTIMORE <i>System Size = Large</i> Baltimore City	REG 3,7	02-13-09-04 <i>NPDES #</i> MD0021555	W/S: Y PFA: Y PUBLIC LARGE DISADV.	<i>Design</i> 01/01/2017 <i>Construction</i> 10/01/2022 02/29/2024	19,290,887	10,374,590 <u>Loan \$</u> 10,374,590 LOAN INTEREST	IIIB = 19,290,887
<i>Totals ...</i>								\$1,314,559,151	\$1,130,722,231	

NEEDS CATEGORY DEFINITIONS:

- | | | | | |
|-------------------------|----------------------------------|-----------------------------------|-------------------------------|-----------------------|
| I. Secondary Treatment | IVA. New Collector Sewer | VIA. SW Conveyance Infrastructure | VIIJ. NPS: Sanitary Landfills | W. Water Conservation |
| II. Advanced Treatment | IVB. New Interceptor Sewer | VIB. SW Treatment Systems | VIIK. NPS: Hydromodification | O. Other |
| IIIA. I/I Correction | VA. CSO Correction - Traditional | VIC. Green Infrastructure | VIII. Decentralized | |
| IIIB. Major Sewer Rehab | VB. CSO Correction - Green | VID. General SW Management | E. Energy Conservation | |

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**CLEAN WATER COMMERCE ACCOUNT
FOR ENVIRONMENTAL OUTCOMES
PROPOSAL**

**ALL PROPOSALS MUST BE SUBMITTED TO MDE
BY SEPTEMBER 9, 2022**

General Information:

- Individual forms must be fully completed for each environmental practice in operation.
- Only one environmental practice source must be selected in the proposal. If the practice is from multiple sources, then the dominant source should be selected.
- The price that is being proposed for sale is per pound of nitrogen reduced per year.
- The Proposed Term of Purchase specified above cannot be longer than the expected life of the environmental practice. Minimum purchase length is 10 years; maximum purchase length is 20 years.
- The applicant will provide a proposed payment schedule based on the implementation timetable and anticipated outcomes.

MDE will determine the Delivery Factor for the proposed environmental practice and applied to each proposal. To see an estimate of the Delivery Factor, go to

<http://www.arcgis.com/home/webmap/viewer.html?webmap=1d0793a8175e4e039dbd20967fa38ed9&extent=-80.0461,37.1352,-74.6628,40.4856>

- Contact Walid Saffouri at walid.saffouri@maryland.gov or (410) 537-3757 with any questions or if you require assistance in completing this application.

Award Process:

- MDE will agree to purchase up to the eligible amount, depending on the availability of funds.
- If selected, the recipient will be required to sign the finalized Agreement before MDE can submit the contract to the Maryland Board of Public Works for final approval.
- Payments for the reductions will be made annually based on the environmental practice performance and actual nitrogen reduction.

Return the completed proposal by September 9, 2022 via email to mde.wqfa_announcement@maryland.gov

Applicant Name: _____

Address: _____

Congressional District: _____ **Legislative District:** _____

Contact Person/Title: _____

Contact Address: _____

Phone #: _____ **Fax #:** _____

E-mail: _____

Environmental Practice Name: _____

Environmental Practice Source (select applicable source(s)):

- _____ **From agricultural practices.**
- _____ **From projects in communities disproportionately burdened by environment harms or risks**
- _____ **From nonagricultural landscape restoration projects.**
- _____ **From other source.**

Proposed Term of Purchase: _____ Years (must be 10 to 20 years)

Summary of the project or practice (*attach additional information up to 1000 words*):

	Units/Year		Delivery Factor	Units/Year Delivered	Price per Unit/Year	Total Price/Year
Nitrogen Reduction		Lbs/yr				

**If nitrogen reductions will vary by year, use the average over the life of the project.*

Co-Benefits (attach additional information up to 1000 words):

Check any of the following that apply to the project proposal. Please provide necessary backup information where indicated in a separate attached document. The project:

- Enhances the mitigation of and/or resilience to the effects of climate change, including one or more of the following:
 - A stormwater project that provides flood control and assists in mitigating repeated flooding events (more than once in a five-year period) that threaten public safety, as confirmed by documentation submitted by the applicant (this can include FEMA maps, studies, etc.).
 - A project that increases the resilience of treatment works to manmade or natural disasters, such as extreme weather events and sea-level rise. These projects include those shown on page 8 of the [“Overview of CWSRF Eligibilities”](#) document and connection of septic systems in the Critical Area (i.e., all land within 1,000 feet of Maryland’s tidal waters and tidal wetlands) to a public sewer as supported by explanation and – for septic connections – a Critical Area map clearly showing the Critical Area boundary and the septics within to be connected.
 - A project that will provide for an energy use reduction or alternate energy generation, as supported by calculations provided by the applicant.
 - A project that will reduce risk of flood or coastal hazards in communities within counties identified as “at risk” per the regional risk maps in Section II of the [2016 State Hazard Mitigation Plan](#)
 - A project will reduce greenhouse gas emissions, as supported through documentation provided by the applicant, including the use of:
 - USDA NRCS COMET planner for agricultural based practices <http://comet-planner.com/>
 - USFS i-Tree Planting Calculator for urban tree planting and small-scale afforestation <https://planting.itreetools.org/>
 - Another tool or data if adequate justification is provided
- Alleviates the environmental harms and risks borne by communities disproportionately burdened by environmental harms and risks, including:
 - Stormwater management and green infrastructure projects in communities identified by a Socioeconomic Score (Distribution Across Maryland) of 80 or higher using [MDE’s Environmental Justice Tracking Tool](#)
 - Other projects located in communities identified by a Socioeconomic Score (Distribution Across Maryland) of 80 or higher using [MDE’s Environmental Justice Tracking Tool](#)

- Application submitted by or located on land owned or operated by a producer classified as [historically underserved by USDA](#)

- Contributes toward the attainment of local water quality standards, including being able to be credited to one of the following:
 - A TMDL completed for an 8-digit basin listed as impaired by Total Nitrogen, Total Phosphorus, sediments, bacteria, and/or temperature as supported by documentation submitted by the applicant and confirmed by a listing category of 4a in the [current final Integrated Report of Surface Water Quality](#) (project must be located within – or discharging to – the impaired basin for which the TMDL was completed and serve to curtail the pollutant to be eligible for these points); or
 - Addressing a listing category of 4c in the [current final Integrated Report of Surface Water Quality](#) where the biological integrity is stressed by stream channelization or lack of riparian buffer as supported by documentation submitted by the applicant and confirmed by the Integrated Report (project must be located within – or discharging to – the impaired basin and be for curtailing/ removing channelization or planting riparian buffers to be eligible for these points).

- Reduces phosphorous or sediment loads that can be counted toward the State’s pollution reduction requirements under the Chesapeake Bay TMDL. The project can be credited towards The Chesapeake Bay Total Maximum Daily Load (TMDL) and is consistent with a [Local Area Sector Goal](#), as confirmed by documentation submitted by the applicant (project must be located within – or discharging to - the Chesapeake Bay Watershed to be eligible for these points);

- Includes natural filter practices as defined in 8-701 of the Agricultural Article, or agricultural ditch management practices as defined by the Chesapeake Bay Program
 - Fixed natural filter practice means one of the following:
 - The planting of riparian forest buffers;
 - The planting of riparian herbaceous cover;
 - Tree plantings that are on agricultural land and outside a riparian buffer
 - Wetland restoration; or
 - Pasture management, including rotational grazing systems such as livestock fencing, and watering systems implemented as part of the conversion of cropland to pasture.
 - Agricultural ditch management includes denitrifying bioreactors, drainage water management, and saturated buffers.
 - https://www.chesapeakebay.net/channel_files/39968/ag_ditches_bmp_panel_report_draft_for_cbp_review_04sep2019.pdf
 - https://www.chesapeakebay.net/channel_files/39968/cbp_ag_ditches_bmp_panel_webcast_slides_final_18sep2019.pdf

Location/County (*attach location map*): _____

Lat/Long: _____

Description of the ownership of each parcel of land or facility that will be used in the project or practice

Proposed quantification plan and verification procedure

Implementation timetable / details

Phase	Start	Completion
Planning		
Design		
Construction		

Total \$ Payments = _____



**CLEAN WATER COMMERCE ACCOUNT
 FOR ENVIRONMENTAL OUTCOMES**

**ATTACHMENT A – ELIGIBILITY DETERMINATION
 (Completed by the Department)**

After the applicants submit their proposals, the Department will use this form to determine the amount of Pounds/Year eligible to be purchased based on the Delivery Factor, and other factors included in the CWCA Solicitation Instructions and Application Form. Payments for the reductions will be made annually based on the environmental practice performance and the actual annual reductions reported by the applicant and verified by the Department for the prior calendar year.

Environmental Project Name:

Environmental Project Location:

	Units/Year		Delivery Factor	Units/Year Delivered	Price per Unit/Year	Total Price/Year
Nitrogen Reduction		Lbs/yr				

Total Price per Year: _____

Number of years of accepted useful life of the Practice: _____

Total Contract Price (Up to): _____



CLEAN WATER COMMERCE ACCOUNT FOR ENVIRONMENTAL OUTCOMES SOLICITATION INSTRUCTIONS AND SCORING SYSTEM

Overview:

In accordance with the Maryland Clean Water Commerce Act of 2021 (the Act), which authorizes the use of the Bay Restoration Fund to purchase environmental outcomes (nitrogen load reductions that can directly measured or modeled using the Chesapeake Bay Program Models), the Maryland Department of the Environment (MDE) is requesting proposals to sell environmental outcomes achieved through environmental practices.

The Act provides \$20 million a year for purchasing environmental outcomes, with the goal of improving the health of Maryland's waterways in a cost-effective manner. If a proposal is accepted by MDE, the reductions and price will be specified in an agreement between the selected entity and MDE. The agreement will specify the duration of the contract, which may be between 10 and 20 years. MDE intends to enter into multiple contracts. Each application must specify the environmental practice source for which it is being considered.

Environmental practice sources, as specified in the Act, with dedicated funding carve-out level, are:

- *Agricultural practices* as defined as “a best management practice that is approved by the Chesapeake Bay Program Partnership and implemented on land or water that is used for the production or processing of an agricultural crop. Agricultural practice includes agricultural, horticultural, silvicultural, and aquacultural operations.” (35% of funding; \$7M)
- *Nonagricultural landscape restoration projects* as defined as “a project that is installed on nonagricultural and has an intended lifespan of at least 10 years and provides environmental outcomes. Nonagricultural landscape restoration projects include a project that returns land to native or natural land cover, such as afforestation or reforestation projects.” (10% of funding; \$2M)
- *Projects*, including stormwater management and green infrastructure projects, established *in communities disproportionately burdened by environmental harms or risks* as identified by a Socioeconomic Score (Distribution Across Maryland) of 80 or higher using [MDE's Environmental Justice Tracking Tool](#) (20% of funding; \$4M)
***These projects can be from an agricultural or nonagricultural source.*
- *Any environmental practice source*, including any of the preceding sources (remaining funds)

Evaluation and Selection Process:

All proposals will be scored using the scoring system below. Each environmental practice source (agricultural, disproportionately burdened communities, nonagricultural landscape) will be separately ranked based on the within the source category based on the scores received using the scoring system. Any proposal that is not selected for the environmental practice source carve-out funding will be considered for the remaining funding available for any environmental practice source using the scoring system. Proposals will be selected based on their ranking using the Total Score received.

Maximum of 100 points

Cost-effectiveness of Nitrogen Reductions (Maximum of 60 points)

1. Maximum of 60 points for the quintile of proposals with the lowest price per pound of nitrogen, 45 for the second lowest price quintile, 30 for the third lowest price quintile, and 15 for the fourth lowest quintile, and 0 for the most expensive per pound quintile

Co-benefits (Maximum of 40 points)

Co-benefits for each project can be received for all of the below categories, based on the applicant selecting the co-benefit in the application form and providing explanation and/or documentation to substantiate the selection.

2. 10 points for enhancing the mitigation of and/or resilience to the effects of climate change, including one or more of the items included on the application form.
3. 10 points for alleviating the environmental harms and risks borne by communities disproportionately burdened by environmental harms and risks as identified by a score of 80 or higher in at least one census tract using [MDE's Environmental Justice Tracking Tool](#).
4. 10 points for contributing toward the attainment of local water quality standards, including one of the items included on the application form.
5. Phosphorous or sediment load reductions that can be counted toward the State's pollution reduction requirements under the Chesapeake Bay TMDL
 - a. Maximum of 5 points for the quintile of proposals which reduce the most phosphorus, 4 points for the second highest reduction quintile, 3 points for the third highest reduction quintile, 2 points for the fourth highest quintile, and 1 for the quintile of applications with the least phosphorus reductions.
 - b. Maximum of 5 points for the quintile of proposals which reduce the most sediment, 4 points for the second highest reduction quintile, 3 points for the third highest reduction quintile, 2 points for the fourth highest quintile, and 1 for the quintile of applications with the least sediment reductions.
6. 10 points for inclusion of natural filter practices as defined in 8-701 of the Agricultural Article, or agricultural ditch management practices as defined by the Chesapeake Bay Program.