

MDEStat Meeting

January 20, 2009



Shari T. Wilson, Secretary

Sue Battle-McDonald, Stat Director

Table 1: WMA Capital Programs Balances and Recent Encumbrances

WMA Capital Program	Average Annual Budget, in millions
Bay Rest. Fund - Enhanced Nutrient Removal	\$130M
Water Quality Revolving Loan Fund (WQRLF – loans)	\$90M
Biological Nutrient Removal	\$18M
Drinking Water Revolving Loan Fund (loans)	\$12M
Chesapeake Bay 2010 Trust Fund	\$6M
Bay Rest. Fund – septic system upgrades	\$6M
Supplemental Assistance	\$5M
Water Supply	\$5M
Bay Rest. Fund – sewer overflows	\$5M
WQRLF Linked Deposit Program (loans)	\$4M
Small Creeks and Estuaries Program	\$0.5M
Stormwater	\$0.5M

Attachment C – WMA Grant Programs Monthly Summary

Program	Fiscal Year	Authorization	Encumbered	Expended	Balances		% Enc.	Month Encumbrances	Year to Date Encumbrances	% Exp	Month Expenditures	Year to Date Expenditures					
					To Be Encumbered	To Be Expended											
BNR	Prior	187,234,164.59	187,234,164.59	181,241,080.78	-	5,993,083.81	100%	0.00	0.00	97%	0.00	1,485,006.00					
BNR	2005	17,000,000.00	17,000,000.00	15,755,661.00	-	1,244,339.00	100%	0.00	0.00	93%	0.00	224,064.01					
BNR	2006	14,999,999.91	14,999,999.91	14,181,466.04	-	818,533.87	100%	0.00	0.00	95%	19,408.00	867,745.64					
BNR	2007	18,000,000.00	18,000,000.00	11,021,726.87	-	6,978,273.13	100%	0.00	0.00	61%	513,496.00	4,172,881.00					
BNR	2008	7,874,000.00	7,874,000.00	2,405,846.71	-	5,468,153.29	100%	0.00	0.00	31%	309,631.00	1,879,465.35					
BNR	2009	18,448,000.00	2,800,000.00	182,023.00	15,648,000.00	18,265,977.00	15%	0.00	2,800,000.00	1%	182,023.00	182,023.00					
BNR	Totals	263,556,164.50	247,908,164.50	224,787,804.40	15,648,000.00	38,768,360.10	94%	0.00	2,800,000.00	85%	1,024,558.00	8,811,185.00	0.00	2,800,000.00	1,024,558.00	8,811,185.00	
Supplemental	Prior	53,130,984.41	53,130,984.41	52,853,354.97	-	277,629.44	100%	0.00	0.00	99%	0.00	506,678.00					
Supplemental	2005	4,999,999.17	4,999,999.17	4,408,943.80	-	591,055.37	100%	0.00	0.00	88%	0.00	544,021.93					
Supplemental	2006	4,000,000.00	4,000,000.00	3,496,999.35	-	503,000.65	100%	0.00	0.00	87%	0.00	378,636.84					
Supplemental	2007	5,000,000.00	5,000,000.00	4,399,049.23	-	1,600,950.77	100%	0.00	0.00	73%	425,343.00	2,191,540.73					
Supplemental	2008	5,000,000.00	5,000,000.00	1,551,711.00	-	3,448,289.00	100%	0.00	0.00	31%	177,819.00	1,065,929.00					
Supplemental	2009	3,222,068.00	-	0.00	1,777,932.00	5,000,000.00	64%	1,863,518.00	3,222,068.00	0%	0.00	0.00					
Supplemental	Totals	78,130,983.58	76,353,051.58	66,710,058.35	1,777,932.00	11,420,925.23	98%	1,863,518.00	3,222,068.00	85%	603,162.00	4,686,806.50	1,863,518.00	3,222,068.00	603,162.00	4,686,806.50	
SCERP	Prior	14,303,594.55	14,303,594.55	13,736,627.40	-	566,967.15	100%	0.00	0.00	96%	0.00	149,824.00					
SCERP	2005	500,000.00	500,000.00	470,000.00	-	30,000.00	100%	0.00	0.00	94%	0.00	0.00					
SCERP	2006	450,000.00	450,000.00	173,673.00	-	276,327.00	100%	0.00	0.00	39%	0.00	0.00					
SCERP	2007	1,000,000.00	1,000,000.00	224,455.00	-	775,545.00	100%	0.00	0.00	22%	0.00	59,344.00					
SCERP	2008	499,999.12	499,999.12	40,411.12	-	459,588.00	100%	0.00	0.00	8%	0.00	0.00					
SCERP	2009	648,000.00	270,000.00	0.00	378,000.00	648,000.00	42%	0.00	270,000.00	0%	0.00	0.00					
SCERP	Totals	17,401,593.67	17,023,593.67	14,645,166.52	378,000.00	2,756,427.15	98%	0.00	270,000.00	84%	0.00	209,168.00	0.00	270,000.00	0.00	209,168.00	
Stormwater	Prior	20,886,761.07	20,886,761.07	20,795,054.46	-	91,706.61	100%	0.00	0.00	100%	0.00	0.00					
Stormwater	2005	499,999.38	499,999.38	291,801.49	-	208,197.89	100%	0.00	0.00	58%	0.00	69,119.00					
Stormwater	2006	711,000.00	711,000.00	247,424.00	-	463,576.00	100%	0.00	0.00	35%	0.00	0.00					
Stormwater	2007	450,000.00	450,000.00	187,500.00	-	262,500.00	100%	0.00	0.00	42%	0.00	0.00					
Stormwater	2008	750,000.00	750,000.00	0.00	-	750,000.00	100%	0.00	0.00	0%	0.00	0.00					
Stormwater	2009	838,000.00	500,500.00	0.00	337,500.00	838,000.00	60%	500,500.00	500,500.00	0%	0.00	0.00					
Stormwater	Totals	24,135,760.45	23,798,260.45	21,521,779.95	337,500.00	2,613,980.50	99%	500,500.00	500,500.00	89%	0.00	69,119.00	500,500.00	500,500.00	0.00	69,119.00	
Water Supply	Prior	53,314,947.98	53,314,947.98	53,082,447.98	-	232,500.00	100%	0.00	0.00	100%	0.00	11,594.00					
Water Supply	2005	2,500,000.00	2,500,000.00	1,428,250.00	-	1,071,750.00	100%	0.00	0.00	57%	0.00	0.00					
Water Supply	2006	1,900,000.00	1,900,000.00	1,529,935.00	-	370,065.00	100%	0.00	0.00	81%	0.00	188,642.00					
Water Supply	2007	2,500,000.00	2,500,000.00	882,010.00	-	1,617,990.00	100%	0.00	0.00	35%	0.00	310,187.00					
Water Supply	2008	3,000,000.00	3,000,000.00	372,509.00	-	2,627,491.00	100%	0.00	8,243.00	12%	138,959.00	372,509.00					
Water Supply	2009	3,650,000.00	-	0.00	1,081,005.00	3,650,000.00	70%	1,132,238.00	2,568,995.00	0%	0.00	0.00					
Water Supply	Totals	66,864,947.98	65,783,942.98	57,295,151.98	1,081,005.00	9,569,796.00	98%	1,132,238.00	2,577,238.00	86%	138,959.00	882,932.00	1,132,238.00	2,577,238.00	138,959.00	882,932.00	
Flood	Prior	31,560,183.38	31,488,760.94	31,183,601.94	71,422.44	376,581.44	100%	0.00	14,630.00	99%	153,000.00	158,871.00					
Flood	2005	-	-	-	-	-	0%	0.00	0.00	0%	0.00	0.00					
Flood	2006	-	-	-	-	-	0%	0.00	0.00	0%	0.00	0.00					
Flood	2007	-	-	-	-	-	0%	0.00	0.00	0%	0.00	0.00					
Flood	2008	-	-	-	-	-	0%	0.00	0.00	0%	0.00	0.00					
Flood	2009	-	-	-	-	-	0%	0.00	0.00	0%	0.00	0.00					
Flood	Totals	31,560,183.38	31,488,760.94	31,183,601.94	71,422.44	376,581.44	100%	0.00	14,630.00	99%	153,000.00	158,871.00	0.00	14,630.00	153,000.00	158,871.00	
Bay Restoration Fund																	
Bay Fund-ENR	2006	30,000,000.00	30,000,000.00	27,153,824.43	-	2,846,175.57	100%	0.00	0.00	91%	3,397.00	345,099.00					
Bay Fund-ENR	2007	70,000,000.00	33,918,298.24	12,732,571.92	36,081,701.76	57,267,428.08	48%	10,207,000.00	15,988,892.23	18%	0.00	786,366.00					
Bay Fund-ENR	2008	30,000,000.00	-	-	30,000,000.00	30,000,000.00	0%	0.00	0.00	0%	0.00	0.00					
Bay Fund-RevBond	2008	50,000,000.00	51,623,876.60	27,984,303.79	(1,623,876.60)	22,015,696.21	103%	(0.40)	(0.40)	56%	1,503,495.00	8,688,918.79					
Bay Fund-ENR	2009	68,000,000.00	-	-	68,000,000.00	68,000,000.00	0%	0.00	0.00	0%	0.00	0.00					
Bay Fund-RevBond	2009	70,000,000.00	-	-	70,000,000.00	70,000,000.00	0%	0.00	0.00	0%	0.00	0.00					
Bay Fund-ENR	Totals	318,000,000.00	115,542,174.84	67,870,700.14	202,457,825.16	250,129,299.86	36%	10,206,999.60	15,988,891.83	21%	1,506,892.00	9,820,383.79					
Bay Fund-CSO	2006	5,000,000.00	5,000,000.00	4,972,068.00	-	27,932.00	100%	0.00	0.00	99%	0.00	133,648.50					
Bay Fund-CSO	2007	5,000,000.00	5,000,000.00	2,754,895.00	-	2,245,105.00	100%	0.00	1,545,000.00	55%	51,033.00	1,060,780.00					
Bay Fund-CSO	2008	5,000,000.00	127,068.00	-	4,872,932.00	5,000,000.00	3%	0.00	127,068.00	0%	0.00	0.00					
Bay Fund-CSO	2009	5,000,000.00	-	-	5,000,000.00	5,000,000.00	0%	0.00	0.00	0%	0.00	0.00					
Bay Fund-CSO	Totals	20,000,000.00	10,127,068.00	7,726,963.00	9,872,932.00	12,273,037.00	51%	0.00	1,672,068.00	39%	51,033.00	1,194,428.50					
Bay Fund-SSU	2007	11,000,000.00	10,854,377.71	6,660,354.47	145,622.29	4,339,645.53	99%	377,976.57	1,275,428.05	61%	655,705.68	3,838,521.95					
Bay Fund-SSU	2008	6,000,000.00	6,000,000.00	-	-	6,000,000.00	100%	0.00	6,000,000.00	0%	0.00	0.00					
Bay Fund-SSU	2009	6,000,000.00	654,000.00	-	5,346,000.00	6,000,000.00	11%	0.00	654,000.00	0%	0.00	0.00					
Bay Fund-CSO	Totals	23,000,000.00	17,508,377.71	6,660,354.47	5,491,622.29	16,339,645.53	76%	377,976.57	7,929,428.05	29%	655,705.68	3,838,521.95					



GRANT & LOAN FINANCING PROGRAMS FOR LOCAL GOVERNMENTS

MDEStat January 20, 2009



Wastewater Grant Programs

- Biological Nutrient Removal: To upgrade major wastewater treatment facilities with biological nutrient removal. Offers up to 50% of total BNR cost. Average annual budget = \$18 million
- Bay Restoration (WWTP) Fund: To further upgrade major wastewater treatment facilities with enhanced nutrient removal. Offers up to 100% of total ENR cost. Average annual budget = \$130 million
- Supplemental Assistance: To supplement other wastewater grant and loan programs to make projects more affordable. Offers up to 100% of total cost. Average annual budget = \$5 million

Water Supply Assistance Programs

- Supplements other drinking water grant and loan programs to make projects more affordable
- Used to upgrade drinking water systems
- State grants are up to 87.5% of total cost
- Average annual budget = \$5 million

Non-Point Source Grant Programs

- Chesapeake and Atlantic Coastal Bays 2010 Trust Fund (NEW): For Urban and Suburban Stormwater, Stream, and Wetland Restoration projects. State grant is up to 100% of total cost. Available to public and some private entities. Average annual budget = \$6 million
- Stormwater Pollution Control: For stormwater retrofit and conversion projects. State grant is up to 75% of total cost. Average annual budget = \$0.5 million
- Small Creeks and Estuary Restoration Program: For restoration of creeks and estuaries. State grant is up to 50% of total cost (75% for low-income communities). Average annual budget = \$0.5 million

Water Quality Revolving Loan Fund (WQRLF)

- Provides low-interest loans to local governments to finance wastewater treatment plant and other water quality and public health improvement projects including non-point source. Loans are up to 100% of project cost. Average annual budget = \$90 million
- Linked Deposit Program of WQRLF provides subsidized interest rate loans through local banks for non-point source water quality capital improvement projects. Loans are up to 100% of project cost, and available to private entities. Average annual budget = \$4 million

Drinking Water Revolving Loan Fund (DWRLF)

- Provides low-interest loans to local governments and private utilities to finance drinking water system improvements and upgrades. Loans are up to 100% of project cost. Average annual budget = \$12 million

SRF Loan Terms

Standard Terms:

- Up to 20 years
- Interest Rate = 50% of Market Rate (currently at 2.30%)

Disadvantaged Community:

- Up to 20 years for WQRLF
- Up to 30 years for DWRLF & Potential Loan Forgiveness
- Interest Rate = 25% of Market Rate (currently at 1.10%)

Capital Projects Funding

Funding Program	Funding Authorized Through FY 08 (Million)	Funding Authorized In FY 09 (Million)
Grant Programs		
BNR Cost-Share Program	247	18
ENR Program ¹	180	138
Septic System Upgrade Program ¹	17	6
Supplemental Assistance Program	73	5
Sewer Rehabilitation Program ¹	15	5
Stormwater Pollution Control Program	23	.8
Small Creeks and Estuaries Restoration Program	17	.6
Water Supply Financial Assistance Program	63	3
Loan Programs		
Water Quality Revolving Loan Fund	1,239	90
Drinking Water Revolving Loan Fund	131	32
Total Grants and Loans	~2,000	~300

¹ This program was first funded in FY2006 under the Bay Restoration Fund Act

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Harford Center Bioretention BMP



Winters Run Stream Restoration



Hurlock WWTP ENR Upgrade



FT. Hill Water Tank, Cumberland



2.15.2001

Water Quality Infrastructure Program

- Manages the project selection process, technical reviews, engineering reviews, and the overall project management of funded projects in coordination with the Water Quality Financing Administration
- Main Functions:
 - Water & Sewer Plan Review
 - Capital Program Development
 - Project Management Services

Project Selection Process (18 Months)

1. MDE solicits project pre-applications
2. Governments and eligible private systems apply by early January
3. Eligibility, smart growth consistency, and other preliminary reviews
4. Projects are rated and ranked based on public health, water quality criteria
5. Priority List Public Hearing (May)
6. Grant and/or loan funds are tentatively offered
7. State capital budget grant requests and loan Intended Use Plans are developed
8. State and federal funds are approved
9. Grantees and borrowers are notified

Project Selection Criteria

In general projects are selected based on:

- Project and/or applicant eligibility
- Water quality and environmental benefits
- Public health
- Compliance assistance
- Readiness to proceed
- Consistency with State laws and initiatives (i.e. Smart Growth, Water & Sewer Plans)

Maryland Board of Public Works Approval

The following need to be completed before MDE can present a project for the Board approval:

- Intergovernmental review
- State Environmental Review Process (SERP), if loan is involved
- Detailed Smart Growth Consistency Review

Planning Phase Activities

- Feasibility study and evaluation of alternatives
- Preliminary eligibility determination based on planning level cost estimates
- Review/approve engineering contracts for planning and design to allow for grant/loan participation (DBE may be required)

Design Phase Activities

- Review plans and specifications (P&S)
- Major projects may require MDE review of the 30% or 50% P&S before final P&S submittal to MDE
- Eligibility determination based on design level cost estimates
- Approve P&S to be bid, and issue construction permit when applicable
- Review/approve engineering contracts for engineering services during construction to allow for grant/loan participation (DBE may be required)

Construction Phase Activities

- Technical review of bid package
- Pre-construction meeting
- Monitoring of construction to allow for progress payments
- Review/Approve construction change orders
- Final inspection