

**Water Quality & Public Health
Integrated Project Priority System (IPPS)**

Summary

Rating Category	Proposed Rating System Points	Existing Rating System Points
Water Quality or Public Health Benefits	40	35
Compliance	10	30
Cost Efficiency	40	10
Sustainability	10	25
Total	100	100

PROPOSED DRAFT (8/24/16)

Water Quality & Public Health - Integrated Project Priority System (IPPS)

WATER QUALITY OR PUBLIC HEALTH BENEFIT (Select I-A OR I-B, whichever has higher score)

I-A. NITROGEN REDUCTION BENEFIT

8-Digit Watershed Code: _____

Calculation: _____

Nitrogen Load Reduction: _____ *lbs/yr* *Chesapeake Bay Relative Effectiveness:* _____

High (> 2,000 lbs/yr)	25	Most Effective (> 7.5)	15
Medium (> 1,000 & ≤ 2,000 lbs/yr)	15	More Effective (>5.5 & ≤ 7.5)	10
Low (> 0 & ≤ 1,000 lbs/yr)	5	Moderately Effective (>3.5 & ≤ 5.5)	5
		or	
		Maryland Coastal Bay Improvements	10

or

I-B. PUBLIC HEALTH BENEFIT

Proposed project mitigates public health emergency or confirmed, repeated contamination of drinking source water supply by E. coli, fecal coliform or nitrate above drinking water MCL 40

Proposed project mitigates confirmed, repeated contamination of surface water, groundwater or drinking source water supply (other than above) 25

Proposed project mitigates other public health concerns with limited risk/exposure (other than above) 10

Subtotal (Max 40 points): _____

WATER QUALITY/PUBLIC HEALTH COMPLIANCE STATUS (Select One, if applicable)

Proposed project is required to comply with a final administrative or judicial order 10

Proposed project is required due to a MS-4 Permit 5

Proposed project is required due to new limits in NPDES/State Ground Water discharge permit 5

Proposed project being undertaken due to Local Watershed Implementation Plan (WIP) for Bay TMDL 5

Proposed project benefits Maryland Coastal Bays 5

Subtotal (Max 10 points): _____

NITROGEN REMOVAL COST EFFICIENCY

Annualized Total Capital Cost \$/lbs per yr Total Nitrogen Load Reduction*

Calculation: _____

High: >\$100	0
Medium: >\$50 & ≤ \$100	20
Low: ≤ \$50	40

* Assume 20-yr life cycle for proposed capital infrastructure

Subtotal (Max 40): _____

SUSTAINABILITY BENEFIT (Select all applicable with supporting documentation)

A. Project Benefits Existing Sustainable Community Needs (Fix-It-First) 3

B. Project implements recycling or reuse (stormwater, bio-solids, treated effluent, digester gases, etc.) 3

C. Project is located in a designated Maryland Environmental Benefits District 2

D. Project involves energy usage reduction or alternate energy generation 2

Subtotal (Max 10): _____

TOTAL (Max 100): _____

CURRENT/EXISTING

Water Quality & Public Health - Integrated Project Priority System (IPPS)

PROJECT ENVIRONMENTAL WATER QUALITY BENEFIT SCORE

A. NUTRIENT REDUCTION BENEFIT (use TN or TP score, whichever is higher) (Max 35 points)

8-Digit Watershed Code: _____
Calculations: _____

<i>Load Reduction (TN):</i> _____ <i>lbs/yr</i>	<i>OR</i>	<i>Load Reduction (TP):</i> _____ <i>lbs/yr</i>	
High (> 200,000 lbs/yr)	15	High (> 65,000 lbs/yr)	15
Medium (>10,000 & ≤ 200,000 lbs/yr)	10	Medium (>3,500 & ≤ 65,000 lbs/yr)	10
Low (> 0 & ≤ 10,000 lbs/yr)	5	Low (> 0 & ≤ 3,500 lbs/yr)	5
 <i>Relative Effectiveness (TN):</i> _____	 <i>OR</i>	 <i>Relative Effectiveness (TP):</i> _____	
Most Effective (> 7.5)	20	Most Effective (> 7.5)	20
More Effective (>5.5 & ≤ 7.5)	15	More Effective (>5.5 & ≤ 7.5)	15
Moderately Effective (>3.5 & ≤ 5.5)	10	Moderately Effective (>3.5 & ≤ 5.5)	10
Less Effective (> 1.5 & ≤ 3.5)	5	Less Effective (> 1.5 & ≤ 3.5)	5
Least Effective (≤1.5)	0	Least Effective (≤1.5)	0

B. WATER QUALITY COMPLIANCE STATUS (Max 30 points)

Proposed project is required to comply with a final administrative or judicial order	30
Proposed project is required due to a MS-4 Permit	20
Proposed project is required due to new limits in NPDES/State Ground Water discharge permit	10

Subtotal (Max 65 points): _____

OR

PUBLIC HEALTH BENEFIT SCORE

A. PUBLIC HEALTH (Max 35 points)

Proposed project mitigates public health emergency or confirmed, repeated contamination of drinking source water supply by E. coli, fecal coliform or nitrate above drinking water MCL	35
Proposed project mitigates confirmed, repeated contamination of surface water, groundwater or drinking source water supply (other than above)	25
Proposed project mitigates other public health concerns with limited risk/exposure (other than above)	15

B. PROJECT COMPLIANCE STATUS (Max 30 points)

Proposed project is required to comply with a final administrative or judicial order	30
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Subtotal (Max 65 points): _____

PROJECT COST EFFICIENCY (SCORE ONE EFFICIENCY ONLY)

<i>Annualized Capital Cost \$/lbs per yr Load Reduction</i>	<i>OR</i>	<i>Capital Cost \$/Household(current EDUs)</i>	
BNR/ENR: _____ TN or TP		Non BNR/ENR Wastewater: _____	
High: >\$12 (TN) or \$700 (TP)	0	High: >\$35,000	0
Medium: >\$6 & ≤ \$12 (TN) or >\$350 & ≤\$700 (TP)	5	Medium: >\$15,000 & ≤ \$35,000	5
Low: ≤ \$6 (TN) or ≤\$350 (TP)	10	Low: ≤ \$15,000	10
	<i>OR</i>		
<i>Capital Cost \$/Acre of Drainage Area</i>	<i>OR</i>	<i>Capital Cost \$/LF of Stream Restoration</i>	
Stormwater BMP: _____		Stream Restoration: _____	
High: >\$40,000	0	High: >\$1,000	0
Medium: >\$25,000 & ≤ \$40,000	5	Medium: >\$500 & ≤ \$1,000	5
Low: ≤ \$25,000	10	Low: ≤ \$500	10

Subtotal (Max 10): _____

SUSTAINABILITY BENEFIT SCORE (Select all applicable with supporting documentation)

A. Project Benefits Existing Sustainable Community Needs (Fix-It-First)	7
B. Project implements recycling or reuse (stormwater, bio-solids, treated effluent, digester gases, etc.)	3
C. Owner has Asset Management and/or Environmental Management System	3
D. Owner has Full Cost Pricing sewer user charge or a Dedicated Fee system for Non-Sewerage projects	3
E. Multiple Partner Financing Project (DOT, HUD/CDBG, USDA/RD, EPA/SAP etc.)	3
F. Project is located in a designated Maryland Environmental Benefits District	3
G. Project includes green elements (LEED, WaterSense, EPA Score Card.) or 20% energy/H2O reduction	3

Subtotal (Max 25): _____

TOTAL (Max 100): _____