

Chesapeake Bay TMDL Update

Presented to
Hampton Roads Planning District Commission
December 15, 2010



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Good News

Virginia submitted final Watershed Implementation Plan

- Technically Feasible Stormwater Reductions
- Additional Waste Water Treatment Plant Reductions
- Reasonable Assurances for Agriculture Reductions
- James River loads held at tributary strategies pending chlorophyll a study



What it means to Hampton Roads

- Stormwater costs decreased 75%.
- Localities should focus on planning to achieve reductions on existing development.
- Pursue State and Federal legislation and funding to enable local governments to achieve reductions.





Load Reductions Required in the James River

Source	Nitrogen Reduction		Phosphorus Reduction	
	EPA Backstops	VA WIP	EPA Backstops	VA WIP
Agriculture	1%	22%	27%	36%
Stormwater	41%	14%	53%	19%
Wastewater	42%	15%	29%	10%





Locality	Estimated Stormwater Capital Cost (Millions)		
	EPA Backstops	VA WIP	Savings
Chesapeake	\$1,367	\$343	\$1,024
Hampton	\$1,053	\$293	\$760
Newport News	\$1,166	\$299	\$867
Norfolk	\$1,384	\$343	\$1,041
Portsmouth	\$666	\$165	\$501
Virginia Beach	\$1,737	\$433	\$1,304
Isle Of Wight	\$231	\$58	\$173
James City	\$501	\$128	\$373
Poquoson	\$90	\$27	\$63
Suffolk	\$628	\$157	\$471
Williamsburg	\$94	\$25	\$69
York	\$594	\$173	\$421
Gloucester	\$242	\$71	\$171
Surry	\$40	\$10	\$30
Hampton Roads Total	\$9,792	\$2,523	\$7,268





Locality	Annual Stormwater Cost per Household		
	EPA Backstops	Revised VA WIP	Revised VA WIP (with nutrient management)
Chesapeake	\$1,839	\$460	\$204
Hampton	\$1,950	\$543	\$204
Newport News	\$1,618	\$415	\$185
Norfolk	\$1,558	\$385	\$181
Portsmouth	\$1,807	\$447	\$203
Virginia Beach	\$1,161	\$289	\$130
Isle Of Wight	\$1,804	\$452	\$196
James City	\$2,085	\$531	\$225
Poquoson	\$2,239	\$663	\$209
Suffolk	\$2,165	\$541	\$242
Williamsburg	\$1,635	\$433	\$176
York	\$2,897	\$842	\$292
Gloucester	\$1,737	\$511	\$162
Surry	\$1,571	\$386	\$172





Methods to Address Reductions

- Program Actions
- Policy Actions
- Legal Action



Program Option: Trading

- Explore Regional Trading Opportunities
- Stronger wastewater requirements minimized trading potential
- Limited opportunities for trading with agriculture
- Potential to trade with new development



Program Option: Watershed Assessments

- Evaluate potential for nutrient reductions
- Projects ready to implement when needed
- Take advantage of grant opportunities
- \$100k per subwatershed
- 15 subwatersheds within Hampton Roads



Sources of Funding

- Local Stormwater Fees
- Federal Grants
- Federal Funding
 - Cardin bill authorizations
 - Holden Bill authorizations
- State Grants and revolving loan program





Policy Options

- Legislative Actions
 - Distributed statement of principles to General Assembly Representatives.
 - Meet with Hampton Roads General Assembly representatives to discuss concerns and potential state solutions.
 - Meet with Hampton Roads Congressional Delegation members or staff to discuss concerns and potential federal solutions.



Legal Options

- Explore legal action
 - Special legal counsel will prepare merits assessment
 - Staff will schedule meeting with City Attorneys



Actions

- Authorize staff to schedule a meeting with Hampton Roads Congressional Delegation members or staff to discuss concerns and potential federal solutions (volunteer Board Members welcome).
- Authorize staff to schedule a meeting with Hampton Roads General Assembly representatives to discuss concerns and potential state solutions.

