

Virginia Phase II WIP Strategies Document

Introduction

EPA is requesting that states develop a Phase II Watershed Implementation Plan (WIP) that further articulates the Phase I WIP strategies employed locally to meet local implementation scenario for 2025. As Virginia and local stakeholders move forward in Phase II this document has been developed to provide examples of acceptable strategies for BMP implementation and capacity building efforts that may be considered for submission by localities. The strategies presented in this document are examples, not requirements, and provide a format for building and submitting local Phase II strategies. Localities, PDCs and SWCDs will meet submission requests for revised or enhanced BMP data and scenarios through the Virginia Assessment and Scenario Tool (VAST). Strategies and resources, like the examples provided, will be submitted through the DCR local engagement team staff using this formatted spreadsheet. While scenarios and strategies will not be shared with EPA on a locality-by-locality basis, it is important that they are provided to DCR in order to develop a Phase II plan showing local involvement and input.

The table below provides a format for selecting the "Type" of strategy being developed, "Implementation", "Capacity" building, or "New BMP", the "Source" sector this BMP strategy can be applied on, the "BMP", and a field for entering the "Strategy" for implementing the BMP. The final column is for entering "Resource Needs" to successfully implement the proposed strategy. There is a drop down menu in each cell except for "Strategy" and "Resource Needs". Please select the appropriate item in each cell and then enter in a brief sentence describing the "Strategy" and "Resources needed". A couple of examples have been entered in the green shaded cells below.

Strategy and Resources Reporting Template				
STRATEGY TYPE	SOURCE	BMP	STRATEGY	RESOURCE NEEDS
BMP Implementation	Agriculture	Cover Crop	Locality will work with partner SWCD and DCR to identify and enroll farmers in cost-share to implement cover crops.	Funding from partners to provide additional incentives to farmers to increase participation in cost-share program.
BMP Implementation	Urban	Impervious Urban Surface Reduction	Locality will investigate the development of a sustainable funding mechanism to support the implementation of urban practices such as pro rata fees or stormwater utility programs.	
BMP Implementation	Agriculture	Multiple	Locality will work with partners to investigate opportunities to provide additional incentives to farmers to increase participation in cost-share program.	Funding from partners to provide additional incentives to farmers to increase participation in cost-share program.
BMP Implementation	Urban	Urban Nutrient Management	Locality will work with elected officials, stakeholders and constituents to provide incentives for implementation of Urban Nutrient Management on private property.	
BMP Implementation	Urban	Multiple	Locality will investigate developing programs that will utilize green roofs, green streets and other similar practices on publically owned lands to demonstrate the efficiency of these practices to public and increase awareness.	
BMP Implementation	Urban	Multiple	Locality will investigate and pursue grant opportunities to fund retrofits of existing stormwater quality control facilities to address water quality.	
BMP Implementation	Urban	Impervious Urban Surface Reduction	Locality will review existing landscaping or tree canopy ordinances, or develop new ones, to ensure they include BMPs that enhance the management of stormwater runoff.	
Capacity Building	Urban	Multiple	Locality will develop an urban BMP tracking program.	
Capacity Building	Urban	Multiple	Locality will examine existing resources/capacity to implement new state requirements for local stormwater management programs.	
Capacity Building	Multiple	Multiple	Locality will develop consolidated watershed inventories to include impervious/pervious land cover, stream corridor condition, identification of healthy watersheds, spatial location of agricultural and urban BMPs and land area treated.	
Capacity Building	Agriculture	Multiple	Locality will coordinate efforts with local SWCDs to determine if staffing is adequate and determine the amount of cost share needed to reach agricultural conservation practices outlined in local targets.	
Implementation	Agriculture	Multiple	Locality will work with stakeholders to seek standards that require conservation easements to meet state/federal agricultural BMP standards.	
New BMP	Agriculture		Locality will work with local and state partners to develop a Purchase/Transfer of Development Rights program.	
New BMP	Multiple	Non Urban Stream Restoration	Locality will develop in partnership with state and regional agencies an identification and tracking program for the implementation of living shoreline projects.	
Capacity Building	Urban	Multiple	Locality will review/revise codes and ordinances to include water quality performance measures using DCR's code and ordinance worksheet.	
Capacity Building	Urban	Multiple	Locality will investigate the adoption of DCR's Better Site Design Manual to mitigate the impact of stormwater runoff from developed lands.	