

2012 VIRGINIA COASTAL ZONE MANAGEMENT PROGRAM GRANT

Project Title: Land & Water Quality Protection in Hampton Roads

I. LEGAL APPLICANT

Name: Dwight L. Farmer, Executive Director/Secretary
Organization: Hampton Roads Planning District Commission
Street Address: 723 Woodlake Drive
City, State, Zip: Chesapeake, Virginia 23320

Project Manager: Jimontanae McBride Title: Principal Regional Planner
Phone: (757) 420-8300
E-mail: jmcbride@hrpdcva.gov

II. PROJECT DETAILS

Geographic Area of Impact: Hampton Roads Planning District
Congressional District(s): 1, 2, 3, 4
Start Date: 10/01/2012 End Date: 9/30/2013

Project continuing from previous year? Yes

III. PROJECT SUMMARY *(4000 Character and Spaces Limit)*

Growth and development in Virginia's coastal zone continues to increase at a rate that is greater than the rest of the Commonwealth. Water quality impacts associated with urban growth are further magnified by development trends characterized by increasing impervious cover. To address these impacts, recent regulatory changes and program developments, specifically the Chesapeake Bay TMDL and revised Virginia stormwater management regulations, have resulted in the creation of nutrient reduction goals for Virginia localities. These changes require new land use approaches and development policies that will help localities reduce the impacts of land development on water quality. During the FY 11 project, HRPDC staff analyzed the local consequences of these water quality requirements for urban and transitional communities and identified available tools to enable localities to meet these requirements while avoiding negative impacts on natural resources.

Two pilot localities were selected in FY 11. This project will focus on working closely with these localities to identify the most appropriate tools and test their application. The project will result in a coastal plain BMP guidance document, recommendations for changes to plans and ordinances in the pilot localities, and a modeling effort to evaluate the water quality impacts of various growth scenarios. Upon request, HRPDC staff will make a presentation regarding the outcome of this project to representatives of the EPA Chesapeake Bay Program.

Should additional funding be available for FY13, HRPDC staff will work with additional localities within the Region to apply the tools identified in FY 11 and tested in this project.

IV. BUDGET

V. DELIVERABLES/PRODUCTS

Product #1

Title: Identification of Coastal Plain Stormwater BMPs

Percent total project budget: 35%

Description: Product 1 will be an analysis of the most appropriate stormwater BMPs for coastal plain conditions. HRPDC will review DCR's revised stormwater BMP standards and specifications as well as BMP technical standards for other States that have addressed BMP design in the coastal plain such as North Carolina and Georgia. The result will be a guidance document that identifies preferred and discouraged BMPs for Hampton Roads.

Product Format: One hard copy of written report and digital copy in Adobe Acrobat format.

Timeframe: Start: October 1, 2012

End: September 30, 2013

Product #2

Title (80 character and spaces limit): Implementation of Plan Evaluation Tool

Percent total project budget: 40%

Description (4000 character and spaces limit): Product 2 will be an analysis of two sets of local planning and regulatory documents. HRPDC will, using the assessment tool developed in FY 11, review comprehensive plans, zoning ordinances, maintenance policies, landscaping requirements, and other land regulations from each of two pilot localities. These reviews will identify policies and regulations that are impeding the achievement of water quality goals related to the Virginia stormwater management regulations and the Chesapeake Bay TMDL. Once issues are identified HRPDC and locality staff will develop recommendations as appropriate for specific changes to the reviewed documents.

Product Format: One hard copy of written report and digital copy in Adobe Acrobat format.

Timeframe: Start: October 1, 2012

End: September 30, 2013

Product #3

Title (80 character and spaces limit): Modeling of Development Impacts on Water Quality

Percent total project budget: 25%

Description (4000 character and spaces limit): Product 3 will be an analysis of the impacts of various growth scenarios on environmental health and water quality, using indicators such as stormwater runoff volume or nutrient loads, managed turf area, impervious area, and the cost of complying with stormwater regulations. HRPDC staff will, with local planners, develop several growth scenarios (encompassing differences in

density, location of development, type of development, etc.) and use the modeling methodology developed in FY 11 to assess the impacts of future growth in Hampton Roads localities. This will result in a practical decision-support tool that can be used to inform land use and comprehensive planning at the local level.

Product Format: One hard copy of written report and digital copy in Adobe Acrobat format.

Timeframe: Start: October 1, 2012

End: September 30, 2013

VI. PROJECT TIMELINE.

Land and Water Quality Protection in Hampton Roads (309 Project) Year 2 Schedule	
Date	Task
February 2013	Product 1: Meet with Suffolk and Norfolk staff to outline scope and schedule for year 2. (before 2/22) Product 2: Begin research on coastal BMPs.
February 27, 2013 (2pm)	Project staff meeting – schedule future meetings.
March 7, 2013	Brief Joint Environmental on Scope and Schedule for year 2.
Mid-March , 2013	Meet with Norfolk and Suffolk. Work with locality staff to develop future growth scenarios for model. Get input on product 2.
March 20, 2013	Get stormwater committee input on coastal BMP research to date. Consider forming workgroup/subcommittee.
March 22, 2013 (10am)	Project staff meeting.
April, 2013	Start preparing for model runs. Start drafting Product 1 and 2.
Mid- April, 2013	Meet with Norfolk and Suffolk, update on modeling.
April 22, 2013 (2pm)	Project staff meeting.
May 8, 2013	Draft Product 1 to Stormwater committee for review.
Mid May	Meet with Norfolk and Suffolk, update on modeling and review materials for product 2.
May 23, 2013 (10am)	Project staff meeting.
June 1 -15, 2013	Finalize model runs, start writing up Product 3.
June 6, 2013	Brief Joint Environmental on Project status; present draft Product 1 and 2.
June 24, 2013 (2pm)	Project staff meeting.
July 8, 2013	Final Products ready for internal review.
July 15, 2013	Internal review complete, begin finalizing edits.
July 24, 2013	Final Draft report(s) out with August JEC agenda for local government review.
August 1, 2013	Project staff will brief JEC on final draft products.
August 2 – 23, 2013	Finalize cover and ‘front matter’ for report.
August 16, 2013	Final comments due from JEC committee.

Land and Water Quality Protection in Hampton Roads (309 Project) Year 2 Schedule	
Date	Task
Week of August 19, 2013	Project staff will edit report based on committee comments.
August 28, 2013	Send final report out with JEC agenda.
September 5, 2013	Approval of final report by JEC.
September 6-27, 2013	Final HRPDC staff review and approval for printing and PDC packet.
September 30, 2013	Camera ready report for PDC packet and printed copies.
October 17, 2013	Present Final Report(s) to HRPDC at Annual Commission Meeting.
October 18, 2013	Submit final narrative and financial reports to CZM.