

# Hampton Roads Planning District Commission **Annual Report**

To the Department of Housing  
and Community Development

---

## FY 2012 - 2013



PEP13-08

**HAMPTON ROADS PLANNING DISTRICT COMMISSION**

DWIGHT L. FARMER

EXECUTIVE DIRECTOR/SECRETARY

**CHESAPEAKE**

AMAR DWARKANATH

JAMES E. BAKER

SCOTT MATHESON

DEBBIE RITTER

\* ELLA P. WARD

**FRANKLIN**

\* R. RANDY MARTIN

BARRY CHEATHAM

**GLOUCESTER COUNTY**

\* BRENDA G. GARTON

CARTER BORDEN

**HAMPTON**

MARY BUNTING

WILL J. MOFFETT

\* CHRISTOPHER STUART

**ISLE OF WIGHT COUNTY**

\* W. DOUGLAS CASKEY

DELORES DARDEN

**JAMES CITY COUNTY**

\* MARY K. JONES

ROBERT C. MIDDAUGH

**NEWPORT NEWS**

JAMES M. BOUREY

\* MCKINLEY L. PRICE

SHARON P. SCOTT

**NORFOLK**

ANTHONY L. BURFOOT

\* PAUL D. FRAIM

THOMAS R. SMIGIEL

MARCUS JONES

ANGELIA WILLIAMS

**POQUOSON**

W. EUGENE HUNT, JR.

\* J. RANDALL WHEELER

**PORTSMOUTH**

JOHN L. ROWE, JR.

\* KENNETH I. WRIGHT

**SOUTHAMPTON COUNTY**

\* MICHAEL W. JOHNSON

BARRY PORTER

**SUFFOLK**

\* SELENA CUFFEE-GLENN

LINDA T. JOHNSON

**SURRY COUNTY**

\* TYRONE W. FRANKLIN

JOHN M. SEWARD

**VIRGINIA BEACH**

ROBERT M. DYER

BARBARA M. HENLEY

\* LOUIS R. JONES

JOHN MOSS

AMELIA ROSS-HAMMOND

JAMES K. SPORE

JOHN E. UHRIN

**WILLIAMSBURG**

CLYDE A. HAULMAN

\* JACKSON C. TUTTLE

**YORK COUNTY**

\* JAMES O. McREYNOLDS

THOMAS G. SHEPPERD, JR.

\*EXECUTIVE COMMITTEE MEMBER

**PROJECT STAFF**

RANDY R. KEATON

CAMELIA RAVANBAKHT

NANCY K. COLLINS

GREG GROOTENDORST

CURTIS BROWN

JOSEPH D. PAULUS

SHERNITA L. BETHEA

WHITNEY S. KATCHMARK

JIMONTANAE R. McBRIDE

JULIA B. HILLEGASS

KELLI E. PETERSON

HRPDC DEPUTY EXECUTIVE DIRECTOR

HRTPO DEPUTY EXECUTIVE DIRECTOR

CHIEF FINANCIAL OFFICER

CHIEF ECONOMIST

REGIONAL EMERGENCY MANAGEMENT ADMINISTRATOR

SPECIAL TRANSPORTATION ADVISOR

HOUSING/HUMAN SERVICES ADMINISTRATOR

PRINCIPAL WATER RESOURCES ENGINEER

PRINCIPAL REGIONAL PLANNER

PUBLIC INFORMATION AND COMMUNITY AFFAIRS ADMINISTRATOR

HUMAN RESOURCES ADMINISTRATOR

**HAMPTON ROADS PLANNING DISTRICT COMMISSION #23  
ANNUAL REPORT JULY 1, 2012 - JUNE 30, 2013**

**This report was included in the HRPDC  
Unified Planning Work Program which  
was approved by the HRPDC at its  
Quarterly Commission Meeting of  
April 18, 2013**

**Prepared by the  
Hampton Roads Planning District Commission  
August 2013**

July 1, 2012 – June 30, 2013

**Element #1: Strategic Planning:**

**Document progress in developing and implementing strategic planning in the planning district.**

**Strategic Plan Development Activities**

**Please indicate the current status of your regional strategic planning activities. Provide information on the process used to produce the plan, persons and organizations involved in producing the plan, and the key recommendations and activities that were identified. Discuss how priorities for action were established.**

1. The HRPDC regularly communicates with member jurisdictions as well as regional and state organizations to provide information and support for various strategic plans. The HRPDC Executive Director serves as an ex-officio member of the Board of the **Hampton Roads Partnership** and as an Executive Committee member of the **Hampton Roads Military and Federal Facilities Alliance**.
2. The Hampton Roads Long-Range Transportation Plan (LRTP) represents a transportation element of a strategic plan. The current version of the LRTP, the **Hampton Roads 2034 Long-Range Transportation Plan** was approved as satisfying Air Quality Conformity requirements on January 19, 2012 and includes highway, transit, bicycle and pedestrian improvements. Since the approval of the **Hampton Roads 2034 Long-Range Transportation Plan**, the staff of the Hampton Roads Transportation Planning Organization (HRTPO) has continued working on the next update to the LRTP, which is due in January 2016 and will address transportation needs through 2040. During FY 2013, major accomplishments towards the development of the 2040 LRTP included completing a research scan of active Transportation Plans prepared by other MPOs, completing the 2040 socioeconomic forecast and conducting a visioning survey as part of the development of the Vision & Goals for the 2040 LRTP. In addition, with the passage of HB 2313 legislation, the HRTPO staff have been working with the HRTPO Board in developing programming options for the regional revenues generated in Hampton Roads. The result of this process will be a set of regional projects to be included in the Hampton Roads 2013 and next LRTP. During the past year, the 2040 Regional Socioeconomic Forecast was completed. This forecast serves to assist in the development of the Hampton Roads 2040 Long Range Transportation Plan.
3. **The Hampton Roads Smart Growth Analysis**, completed in 2003, was a comprehensive approach to strategic planning for the region. The staff continues to analyze the impacts of Smart Growth policies on the regional economy, environment and infrastructure. Ongoing research focuses on development and refinement of a regional green infrastructure strategy and research associated with development of a strategy for adapting to climate change. The HRPDC continues to work with the

localities to develop a consensus approach to implementing the regional green infrastructure strategy. The HRPDC continues to explore approaches and funding options for addressing future regional development. During FY 2013, the HRPDC and HRTPO staffs participated in the Hampton Roads Reality Check report out to the community. This event highlighted successful efforts of Reality Check exercises across the country, focusing on Envision Utah. Reality Check was sponsored by the local chapter of the Urban Land Institute. The community report included a panel of key regional leaders to discuss important issues and their impacts to Hampton Roads. Participants were encouraged to sign up to continue the momentum of the exercise in creating an action plan for Hampton Roads.

4. The HRPDC worked with the localities to develop a regional water supply plan, which will become an element of the region's strategic plan. To support this initiative, the **Hampton Roads Regional Water Supply Planning Process Memorandum of Agreement** was executed among the HRPDC and the region's twenty-four localities, including towns, in the spring of 2007. Following consideration and approval by the region's twenty-seven (27) cities, counties and towns, the HRPDC submitted the adopted plan to the Virginia Department of Environmental Quality in November 2011.
5. The HRPDC is working with the localities to develop and implement a comprehensive and coordinated response to state and federal enforcement initiatives dealing with sanitary sewer overflows. This effort resulted in development of a **Regional Consent Order** and set of **Regional Technical Standards**, approved by the Virginia State Water Control Board in September 2007. A Memorandum of Agreement among thirteen localities, the Hampton Roads Sanitation District (HRSD) and the HRPDC was executed to facilitate implementation of the Regional Order. The resulting Rehabilitation Plans and the Regional Wet Weather Management Plan will become elements of the region's strategic plan. In FY 2014, the HRPDC will manage the Regional Consolidation of Sewer System Assets Study, in cooperation with HRSD and 14 of the member localities, to evaluate the potential benefits of consolidating local sewer systems under the HRSD.
6. With the assistance of the HRPDC, the localities created the **Hampton Roads Military and Federal Facilities Alliance (HRMFFA)** to address long-term issues associated with the region's military facilities, as well as other federal facilities. The HRPDC routinely provides technical assistance to the HRMFFA staff. The HRPDC Executive Director is a member of the HRMFFA Board and serves as secretary.
7. The HRPDC has been instrumental in coordinating regional efforts to establish emergency medical response systems throughout the health care environment within the region, including coordination of the **Metropolitan Medical Response System (MMRS)** and the **Urban Areas Security Initiative (UASI)** federal grant awards for a number of years. This has resulted in utilization of both federal grant and local funding sources so that there are more areas of response, and each is at a greater range than if the grants were stand-alone. Hampton Roads Homeland

Security Strategy (HRHSS). The purpose of the HRHSS is to ensure the Hampton Roads region has a single, data driven document that outlines the region's risks, capability needs, vision, structure, goals, and objectives for homeland security over a three year period. The Strategy is designed primarily to address terrorism risk with an understanding that capabilities enhanced to combat terrorism also often enhance the ability to manage natural disasters and other man-made incidents.

8. In February 2013, the HRPDC held its annual Commission Retreat. After extensive discussion of a number of issues, the Commission directed the staff to begin an effort to integrate regional functional plans and vision plans prepared by other regional agencies into a comprehensive HRPDC Strategic Plan.
9. Regional Environmental Education Planning occurs via askHRgreen.org and related committees. This past fiscal year, the second phase of research on environmental knowledge, attitudes and behaviors was conducted. Subsequent target audiences and messaging have been refined based on this information with input from the various regional subject matter experts and oversight committees.
10. A regional legislative agenda/policy statement is developed each year on areas of common interest.

In addition to the above, the following planning activities involve a variety of strategic planning elements:

- Environmental Strategic Planning Initiatives.
- Regional Water Program.
- Regional Stormwater Management Program.
- Coastal Resources Management Program.
- Regional Wastewater Program.
- Regional Environmental Education Program
- Annual Economic Forecast.
- Regional Benchmarking Report.

### **Strategic Plan Implementation Activities**

**What is the current status of your plan's implementation? What has been accomplished to date? What are the next projects or activities that will be undertaken? Who is involved with and responsible for the implementation of the plan?**

1. HRPDC continually monitors the Hampton Roads' economy. The status of regional economic conditions is reported quarterly to the Commission by the Chief Economist in an annual Benchmarking Study and in the annual **Hampton Roads Data Book**. The annual forecast, as well as information included in the Data Book and Benchmarking Study, is used by local governments and regional organizations in their planning process. An electronic database covering important economic

variables is available on the HRPDC website. On a quarterly basis the HRPDC produces an electronic newsletter, *Hampton Roads Economic Quarterly*, which provides in-depth discussion of one or two current economic issues and tracks a series of regional economic indicators. HRTPO continually monitors progress toward meeting the goals and objectives in the **2034 Long-Range Transportation Plan** through the **Congestion Management Process, Regional Freight Planning**, and Public Involvement and Community Outreach.

2. HRPDC continues to monitor state and federal efforts to implement the Chesapeake Bay Agreement 2000 and related initiatives. After extensive background work and analysis during FY 2011, the HRPDC authorized the staff to facilitate an effort to develop the regional component of the state's Phase II Watershed Implementation Plan during FY 2012. Staff continues to provide guidance and regulatory updates to localities related to the implementation of Virginia's WIP.
3. A Database for tracking the region's special needs populations for emergency planning had been developed and required further refinement before public release during 2011. Initially, this database has focused on medical special needs populations that require assistance in maintaining their daily functions during and after disasters. Other individuals that make up the special needs populations are being identified to ensure inclusion into the database. This database has been integrated into a web based consequence management application known as WebEOC that allows local emergency management officials visibility for planning of these populations before, during and after a disaster on a daily basis.
4. A multi-year plan has been developed and is being implemented for askHRgreen.org, the region's environmental education initiative. The plan includes traditional and social media, as well as market research to refine and guide future efforts.
5. During FY 2013, the HRPDC prepared and adopted a Legislative Agenda, encompassing a variety of issues – economic, environmental, emergency management, housing, planning and development and financing. Transportation issues were addressed separately in the Legislative Agenda of the HRTPO.
6. ENVIRONMENTAL EDUCATION - Message refinement and targeting continued with emphasis this past fiscal year on search engine optimization (SEO) and search engine marketing (SEM). This is a direct result of our research findings. HRPDC staff facilitated regional environmental education committees in the areas of recycling and beautification; fats, oils and grease abatement; stormwater pollution prevention and drinking water. In addition, an overall askHRgreen.org committee also focused on branding askHRgreen as the go-to resource for environmental information in Hampton Roads. We also utilized the firm of Cahoon & Cross as marketing and media consultants. Since the 2010 benchmark study, there have been significant increases in the general use of and frequency of reusable bag use, as opposed to store-provided, bags. Pouring fats, oils and grease down the drain or in

the yard decreased 12 points from the 2010 survey, and the perceived harm rose 12 points—showing improvement in both the behavior of the action and the understanding of that it is harmful.

**ACCOMPLISHMENTS:**

- 29,563 website visitors from July 2012 – June 2013
- 61 million opportunities to see or hear askHRgreen.org in the media
- 30,000 Green Learning Guides distributed to sixth graders
- 241,000 Green Living Inserts distributed through *The Virginian-Pilot & Daily Press*
- \$12,175 environmental education mini-grants awarded to 31 schools/groups in 10 localities
- 942 Facebook Likes

**RESEARCH FINDINGS:**

- 12% of those surveyed have heard about askHRgreen.org.
- Online was reported to be the largest source for awareness.
- 33% of “askHRgreen.org aware” respondents have visited the website.
  - Overall self-perceived knowledge of local environmental issues has increased. The largest increases are among
  - single females, under \$75,000 income
  - those aware of askHRgreen.org
- People aware of askHRgreen.org are the most frequent information seekers.

The HRPDC and HRTPO **FY 2013 Unified Planning Work Programs (UPWP)** describe ongoing and future regional activities to be undertaken by the HRPDC and HRTPO.

**Element #2: Duties Performed:**

**Provide a concise description of all activities accomplished under the duties assigned under the Regional Cooperation Act.**

**A. Conduct studies with regional significance (initiated and/or completed).**

1. **Congestion Management Process (CMP)** for Hampton Roads, Virginia. In 2001, the HRTPO initiated the Hampton Roads Regional Safety Study, a comprehensive analysis of highway safety throughout the region. In June, 2013, the HRTPO released the **Average Weekday Traffic Volumes for Major Roadways in Hampton Roads**, a report produced annually since 2006. The 2013 update, titled **Volumes, Speeds, and Congestion on Major Roadways in Hampton Roads**, details regional traffic volumes in Hampton Roads for the years 2007-2012. In June, 2013, the HRTPO released the **State of Transportation in Hampton Roads 2012 Update**, which details the current status of all facets of the transportation system in Hampton Roads, including air, rail, water, and highways. The CMP is a vital element of the HRTPO planning process and is used as a guide to develop project recommendations for the Transportation Improvement Program and the LRTP.

2. In September, 2012, the HRTPO released the Hampton Roads **Military Transportation Needs Study - Military Commuter Survey** which documented the results from the Hampton Roads Military Commuter Survey conducted from November, 2011 to February, 2012. The purpose of the survey was to determine the transportation challenges facing local military personnel during their daily commutes in Hampton Roads. A total of 10,994 survey responses were received from the HRTPO military commuter survey, the results of which will enable transportation decision-makers, including the HRTPO Board, to direct resources to solve those problems in an informed manner.
3. During 2013, the HRTPO released the report: **Users of Existing Toll Facilities in Hampton Roads**. Using data concerning E-ZPass transactions at the three local toll facilities - Chesapeake Bay Bridge Tunnel, Chesapeake Expressway, and the Coleman Bridge - HRTPO staff calculated the portion of E-ZPass tolls paid by persons living, and businesses located, in the Hampton Roads region.
4. During 2013, the HRTPO released the **Hampton Roads Regional Bridge Study 2012 Update**, building on previous analyses of regional bridges in Hampton Roads beginning in 2007. The 2012 update includes sections regarding bridge definitions, regional summaries, bridge inspections and ratings, deficient bridges, fracture and scour critical bridges, sufficiency ratings, health indices, bridge funding, and bridge projects as well as comparisons between the condition of bridges in Hampton Roads and those in other large metropolitan areas throughout the country. The 2012 update includes, for the first time, an analysis of the anticipated cost of sustaining bridge connections in Hampton Roads through the year 2040.
5. In January, 2010, the HRTPO initiated an effort to develop a regional high-speed and intercity passenger rail campaign and vision plan component for the HRTPO 2034 Long-Range Transportation Plan. Phase I of the consultant study evaluated the potential for the development of high-speed passenger rail service from Norfolk to Richmond along the Norfolk Southern/Route 460 rail corridor and the enhancement of the existing intercity passenger rail service between Newport News and Richmond. This initial passenger rail planning effort has resulted in two reports -1) **Hampton Roads High-Speed and Intercity Passenger Rail Preliminary Vision Plan (Phase 1)**, approved in July, 2010; and 2) **Hampton Roads Strategic Long-Term High-Speed and Intercity Passenger Rail Plan - Phase 1(B) Blueprint Study**, approved in January, 2011. During FY 2012, the HRTPO initiated the **Hampton Roads Passenger Rail Study - Data Collection: Phase 2A. , which was completed and approved in March, 2013. In March, 2013, the HRTPO initiated the Hampton Roads Passenger Rail Study: Phase 2B: Passenger Rail Alternatives Analysis Norfolk-Richmond Corridor**. The Phase 2B study tasks will assess two additional passenger rail alternatives beyond the existing

DRPT Amtrak service to Norfolk; higher speed (110 mph) operation and high speed (125 mph) operation.

6. During FY 2013, the HRTPO obtained travel time and speed data for the year 2012 to determine roadway congestion levels throughout Hampton Roads. The **Hampton Roads Regional Travel Time Reliability Study**, released in July, 2013, provides a detailed analysis of travel time reliability, defined as how much travel times vary over the course of time, as measured from day to day or across different times of the day, of the roadway network in Hampton Roads.
7. The **Hampton Roads Emergency Management Planning Program** has been in existence since 1997. It was recognized and approved by the localities to ensure that the cities, counties and the region were prepared to respond to and recover from major emergencies or disasters caused by terrorism, manmade, or natural events. The Regional Emergency Management Technical Advisory Committee (REMTAC) is composed of representatives from all sixteen (16) localities' emergency management personnel. The Committee and several subcommittees address topics of regional importance including but not limited to mitigation planning, debris removal, and ensuring inclusive planning for people with disabilities. The program is annually funded by each of the local jurisdictions.
8. During FY 2013, the HRPDC staff continued efforts to increase awareness and promote preparedness within medical and functional needs populations in the Hampton Roads area. HRPDC staff is targeting outreach to those organizations that work directly with these populations including senior groups, disability and aging commissions, and Mayor's taskforces. Additionally, the Regional Inclusive Emergency Planner is working with the Regional Catastrophic Planning Group and the Virginia Department of Emergency Management to include training and exercise of functional needs support services in sheltering operations during FY 2014.
9. The **Special Needs Subcommittee** continues to enhance the Special Needs Registry, now titled Ready Hampton Roads Registry, and will be working to operationalize the Registry for use in response operations [www.hrspecialneeds.org](http://www.hrspecialneeds.org). The HRPDC is also bringing the Ready Hampton Roads Registry into compliance with the new HIPAA Omnibus Rule that went into effect March 2013.

10. The **Pet Planning Subcommittee** under REMTAC is supported by the HRPDC staff. Support is being provided to research equipment and supplies needed to assist localities in implementing pet plans developed for disasters and management of pets at shelters. Trailers with pet management supplies and equipment have been procured for all but three participating localities.
11. The annual **Regional Healthcare Organizations Emergency Preparedness Seminars** (HOEPS) program (<http://hoeps.org>) was developed and coordinated by the HRPDC staff, the Virginia Department of Health, the Metropolitan Medical Response System, American Red Cross, and multiple other stakeholders in the healthcare profession. The focus of the seminars is to provide emergency preparedness information, education, and guidance to assisted living facilities and nursing homes.
12. The HRPDC continues to support **Regional Debris Management** and the effectiveness of the regional debris reduction and removal contracts. The 1998-2013 contracts were replaced after a new RFP was written that simplified operations and included Automated Debris Management Systems. Additionally, regional debris stakeholders expressed interest in regional debris monitoring contracts and this was accomplished. The new contracts for years 2013-2018 are in place and available at <http://debris.readyhr.org>.
13. The transition to branding all outreach and public education under the Ready Hampton Roads banner is complete. The HRPDC continues to manage [readyhamptonroads.org](http://readyhamptonroads.org) and has added @ReadyHR on Twitter and ReadyHR on Facebook. In FY 2013, HRPDC staff continued to transition other related organizations and websites to the secure "Practitioner" portion of the website and further enhanced the regional calendar for improved meeting, training and exercise coordination.
14. Hurricane Evacuation Plans within the Hampton Roads area continue to be addressed by REMTAC in cooperation with the Virginia Department of Emergency Management and Virginia Department of Transportation. The Virginia Hurricane Evacuation Guide was updated to be inclusive of those with special needs with specific information about the Hampton Roads Special Needs Registry. The Guide was published with regional grant funds.
15. Hurricane Evacuation Plans within the Hampton Roads area continue to be addressed by REMTAC in cooperation with the Virginia Department of Emergency Management and Virginia Department of Transportation. The Virginia Hurricane Evacuation Guide was updated to be inclusive of those with special needs with specific information about the Hampton Roads Special Needs Registry. The Guide was published with regional grant funds.
16. The HRPDC Emergency Management staff continues to expand support for **mitigation planning** throughout the region. In FY 2013 HRPDC staff was awarded grant funds to update Poquoson's mitigation plan. A consolidated

Hampton Roads mitigation plan application was submitted to garner money for a planning effort that will culminate in an updated plan in 2016.

17. The HRPDC continued its support of the Peninsula and Southside **Local Emergency Planning Commissions** (LEPCs) by providing assistance to develop, maintain, and update local and regional Hazardous Materials Emergency Response Plans in accordance with the Superfund Amendments and Reauthorization Act (SARA) Title III. HRPDC staff also provides website support (<http://plepc.org>) for the Peninsula LEPC.
18. The HRPDC staff continues to support the **Cities Readiness Initiative** under the Centers for Disease Control and Prevention (CDC) Strategic National Stockpile program. The planning is a collaborative effort with REMTAC and fosters cross discipline planning for emergencies rising from biological agents capable of causing health related emergencies.
19. In FY 2013, the **Urban Area Work Group (UAWG)**, composed of representatives as identified by the Chief Administrative Officers from all sixteen (16) jurisdictions, continued to address topics of regional homeland security importance. The UAWG is the regional body that helps administer UASI program funds allocated annually by the Department of Homeland Security. However, as Hampton Roads lost UASI funding eligibility status in FY2012, the UAWG, with staff support, has been exploring sustainment strategies for regional grant-funded capabilities and initiatives. Despite losing its UASI funding the UAWG, with support from REMTAC and other groups, continues to rank, prioritize and submit applications for federal and state grants as a region. HRPDC staff provides grants management for prior multimillion dollar UASI investments that will continue until the end of 2014.
20. The **Hampton Roads Metropolitan Medical Response System (HRMMRS)** has been ongoing since August 1999. The first five deliverables have been completed. Funding grants for FY 2008, FY 2009, FY 2010, and FY 2011 are being completed simultaneously. Local jurisdiction funding is continuing, and is being used, to sustain this federal initiative to keep the plan, pharmaceutical, equipment, and responder training/exercises current. HRPDC staff has participated in the development of the new Eastern Virginia Healthcare Coalition (EVHCC) and the HRPDC Regional Inclusive Emergency Planner serves as the designated organization contact on the Coalition.
21. **Regional Groundwater Management Program.** Through this program, the HRPDC conducts technical analyses of the impacts of groundwater withdrawal, completes groundwater impact mitigation reports and provides management and technical oversight for studies undertaken on behalf of the region's localities by the U.S. Geological Survey (USGS). The mitigation program addresses impacts of municipal groundwater withdrawals on individual, primarily residential wells.

22. **Stormwater Program Effectiveness Project.** In 1997, the HRPDC completed a technical evaluation of the existing water quality monitoring program and developed a set of indicators of stormwater program effectiveness. Each locality's stormwater discharge permit since 2001 includes the effectiveness indicators as a major monitoring and reporting element. Reports are prepared annually by the HRPDC for each locality and the region. To facilitate future tracking and reporting on stormwater permit requirements, the HRPDC has developed a web-based reporting system – Permit Administration and Reporting System (PARS). The localities have pooled their financial and technical resources to make these efforts as efficient as possible.
23. **Regional Wastewater Program.** The HRPDC, in cooperation with the localities and the Hampton Roads Sanitation District (HRSD), is pursuing several major wastewater initiatives. A web-based online reporting system (SSORS – Sanitary Sewer Overflow Reporting System) was fully implemented in the fall of 2004 and further refined during FY 2008. The web-based reporting system ensures greater consistency in data collection, enables localities to build a database to help them plan infrastructure improvements, and streamlines reporting. Localities have pooled their financial and technical resources to make these efforts as efficient as possible. During FY 2013, the HRPDC, HRSD and localities continued development and implementation of programs to satisfy the enforcement initiatives by the U.S. Environmental Protection Agency and the DEQ, which led to the 2007 Regional Consent Order with DEQ and a 2010 EPA Consent Decree with HRSD.
24. During FY 2006, the HRPDC facilitated an effort by the region's six largest communities to develop regionally consistent applications for renewal of their **Municipal Separate Stormwater System (MS4) permits** from the state. The permits and supporting MS4 Program Plans were submitted to the state and have been administratively continued since the spring of 2006. The HRPDC is preparing several components of the Annual Reports for these six localities.
25. The HRPDC continues to coordinate efforts by the region's six smaller localities, covered by Phase II of the **Stormwater Permitting Program** to comply with the state stormwater management regulations and with their MS4 Permits. The Phase II Small MS4 Permit was revised and became effective on July 1, 2013. HRPDC staff coordinated regional review of the permit revisions and participation on the regulatory advisory panel. The HRPDC is preparing substantial portions of their Annual Reports.
26. **Regional Bacteria Study.** The HRPDC is leading a regional effort to develop a bacterial identification methodology for the Hampton Roads Region. Proven genetic techniques are being used to differentiate bacteria sources, so that TMDL plans can be designed to address the cause of the bacterial impairment. During FY 2011, researchers from Virginia Tech, University of South Florida, and University of North Carolina in coordination with locality staff and the Hampton Roads Sanitation District (HRSD) collected and analyzed bacteria

samples from three case study watersheds in Suffolk, York County, and Virginia Beach. The Final Study report was completed in January 2013.

27. At the request of the Chief Administrative Officers (CAOs) of the Southside Hampton Roads localities, the HRPDC is facilitating a number of activities associated with **solid waste management** in these communities. In November 2008, a consultant study to examine solid waste management options after 2018, when the localities' current contracts with the Southeastern Public Service Authority (SPSA) expire, was completed. Since completion of the 2018 study, the HRPDC staff and consultant continued intensive efforts to support the CAOs in evaluating options for solid waste management in the region after the existing locality-SPSA contracts expire in 2018. The HRPDC recently updated the **Regional Solid Waste Management Plan for Southeastern Virginia**. HRPDC staff also completed the annual recycling rate reporting to the State, on behalf of the Southside Hampton Roads localities. Based on the updated plan, the HRPDC, SPSA and the sixteen cities, counties and towns covered by the Plan requested the Department of Environmental Quality to designate the HRPDC as the regional solid waste planning agency for the region.
28. Planning District Commissions are called to collect and maintain demographic, economic, and other data concerning the region and member localities, and act as a state data center affiliate in cooperation with the Virginia Employment Commission. HRPDC staff produces the **Hampton Roads Economic Data Book** and the **Regional Benchmarking Study** on an annual basis, providing access to the collected data.
29. During FY 2013, the HRPDC, with financial support from DEQ, completed the Coastal Resiliency Report which built upon HRPDC's previous efforts to address the challenges of climate change and sea level rise by focusing on how research into the region's vulnerability to current and future coastal hazards can be incorporated into local and regional long-range plans.
30. The HRPDC staff continues in the development of a **Regional Housing Service Portal [www.hrhousingresources.org](http://www.hrhousingresources.org)** for the Hampton Roads Planning District service area. HRPDC staff continues to work toward identifying these services and creating a web portal for consumers and housing providers to utilize. The purpose of this tool is to provide a "one-stop" shop environment for obtaining and accessing reliable and legitimate services for housing such as first-time homebuyer education and counseling; and foreclosure prevention.
31. During FY 2011, the HRPDC staff kicked off a multi-year project, in cooperation with the Directors of Utilities Committee, to develop the Hampton Roads Water and Wastewater Systems Emergency Preparedness and Response Regional Improvement Plan. The overall objective of this project was to produce a comprehensive report including the identification of risk scenarios with impacts to Hampton Roads water systems; evaluation of existing response

plans; analysis of water sector critical infrastructure interdependencies; completion of a regional gap analysis of emergency response and recovery capabilities; assessment of needs and development of a regional plan for improving water system emergency response and recovery, including cost estimates for short-term plan implementation. Two NIMS/HSEEP-compliant tabletop training exercises were conducted in FY 2012 as part of the project. The project was completed in FY 2013.

32. During FY 2013, the HRPDC completed the development of a website and associated mapping to support the multi-state Southeast Coast Saltwater Paddling Trail. This was a cooperative venture among the States of Georgia, North Carolina, South Carolina and Virginia and the National Park Service.
33. In November of 2012, staff released a report on Hampton Roads Energy Options. This report provided a comprehensive review of existing literature and analysis on the potential to develop and capitalize on various energy options throughout the region.

**B. Identify and study opportunities for local cost savings and staff efficiencies through coordinated local efforts.**

1. The HRPDC Economics staff operates various **economic modeling software**, most notably the Regional Economic Modeling Inc. (REMI) model, to assess the potential economic impact of a wide variety of proposed projects. Local governments, public and private agencies, and regional organizations routinely contact HRPDC for assistance with impact studies. Having this impact analysis capability at HRPDC represents a savings to area jurisdictions since they can turn to a regional resource for this ability as opposed to developing this expensive capability themselves.
2. Each January, the HRPDC Economics staff generates an **annual economic forecast**. This detailed annual economic forecast represents a savings to area jurisdictions in that local governments are provided with a resource that they might otherwise have to outsource.
3. The development of a region-wide Long Range Socioeconomic Forecast for each jurisdiction in Hampton Roads provides for a cohesive and uniform forecast to enable consistent planning for large infrastructure investments
4. The HRTPO continued to provide local jurisdictions with technical assistance on critical transportation issues. During FY 2013, this technical assistance included providing transportation data and analysis to several localities.
5. **Regional Water Resources Program.** The Hampton Roads region is served by a complex system of water utilities owned and operated by the region's sixteen member localities. While the region's water system is characterized by a multitude of contractual relationships and historically difficult inter-

jurisdictional relations, a significant degree of cooperation now characterizes the system's management relations. The HRPDC staff and Directors of Utilities Committee completed the Regional Water Supply Plan to address the state's requirements for local water supply planning. Related water quality and utility infrastructure management issues are also addressed through this program.

6. Over the past several years, numerous cooperative approaches to the development of environmental education services have evolved. They include **HR WET** (water conservation), **HR STORM** (stormwater education), **HR CLEAN** (litter control and recycling education), **HR FOG** (wastewater education) and water quality advertising (drinking water quality). These programs now operate under the umbrella brand of askHRgreen.org. This cooperative effort is funded by the localities and managed by the HRPDC with dedicated staff. Regional advertising is conducted through traditional and social media, reaching the entire Hampton Roads region with a common message. School activity booklets, keyed to the Standards of Learning, have and are being developed. Educational displays, both mobile (trailer) and static (table-top) have been developed and are used in a variety of venues. A migrant program for local schools and other youth organizations is operated. Program coordination and administration and staffing to carry out the programs, including development of informational materials, are provided by the HRPDC. The regional environmental education programs conducted through **askHRgreen.org** is continuously refined based on success and lessons learned across the region. This approach allows both economies of scale and consistent regional messaging on topics that are highly important, and in some case regulatory in nature, for local governments. Based on research findings, the various committees are compiling individual topical campaigns, as well as their unified message into one master marketing plan.
7. **Regional Stormwater Management Program.** This program involves exchange of information among the localities on stormwater management issues, participation in state and federal regulatory processes and conduct of technical studies. Funded by the localities, the HRPDC staff provides technical support and program administration and coordination for this program. To facilitate compliance by all Hampton Roads localities with state stormwater management requirements, the local governments participating in the Regional Stormwater Management Program and the HRPDC signed a Memorandum of Agreement (MOA) in 2003 and renewed in FY 2008. A regionally consistent electronic reporting mechanism has been developed through a consultant contract managed by the HRPDC. In addition, engineering consultants and legal counsel are retained through contracts funded by the localities and administered through the HRPDC.
8. **Directors of Utilities Process.** A number of issues are addressed cooperatively through the HRPDC Directors of Utilities Committee. The Committee process is funded jointly by the region's sixteen localities and conducted and managed by the HRPDC. Priority issues include policy and

regulatory issues, watershed management, ground water management, coordination and communication with the region's Directors of Health and a variety of operational matters. During FY 2013, the Committee continued to devote considerable effort to developing and implementing programs to respond to sanitary sewer overflow requirements and developing a whitepaper on declining water demands and the impacts on utility revenues. The Committee continues to address legislative and regulatory issues.

9. **Groundwater Management Program.** The HRPDC employs staff expertise in groundwater management and analysis to support the region's sixteen localities in analyzing the impacts of groundwater withdrawals for both public and private water supply purposes. Without this regional capability, many of the localities would be required to employ their own groundwater modeling expertise at significant cost.
10. **Chesapeake Bay Program.** Through various tasks, the HRPDC is participating actively in the Chesapeake Bay Program (CBP) on behalf of the localities. Through monitoring CBP activities, the staff is able to represent the region's interests in the Bay Program, keep the localities apprised of Bay Program activities and facilitate local analysis of the CBP and the impact of its initiatives on the region's localities. The HRPDC continues to coordinate the Hampton Roads Watershed Roundtable in considering regional water quality and other environmental issues.
11. **Legislative and Regulatory Involvement.** Through the HRPDC, the region's localities are active participants in the state and federal legislative and regulatory development processes. Through the aforementioned technical committees, proposed regulations are reviewed and consensus positions developed for consideration by the HRPDC. When state Technical Advisory Committees are established to assist with development of the regulations, HRPDC staff frequently are asked to represent the region; in other cases, an individual local government staff person may serve on the state committee. In both cases, the appropriate HRPDC committee serves as the sounding board to review the regulation and provide input through the region's representative. Regional representatives serve on several state Technical Advisory Committees dealing with coastal policy issues, stormwater management, groundwater management and nutrient trading.
12. **Regional Training Program.** The HRPDC continued to provide and coordinate training programs to support local implementation of state regulatory programs. These efforts involve pooling of local government financial resources and use of grant funds when available. Training efforts again this year focused largely on food service establishments and grease haulers. Consultant services were utilized to create a web-based reporting system, which will enhance program management efficiencies and provide consistent training delivery region-wide. This training is required by local ordinances, which are being adopted across the region to reduce the amount of fats, oils

and grease (FOG) entering the sanitary sewer system. Enhancing FOG educational efforts is an important part of the Regional SSO Consent Order.

13. The Council on Virginia's Future requested assistance from HRPDC to support the efforts of the Hampton Roads Partnership in developing **Hampton Roads Performs**. HRPDC was selected as a partner to capitalize on the expertise at HRPDC and the work effort that the Commission had already completed. Each year, HRPDC provides assistance in updating regional measures as well as the regional profile utilized by Hampton Roads Performs.
14. By coordinating the capabilities of both the **Metropolitan Medical Response System** (MMRS) and the **Urban Areas Security Initiative** (UASI) grant funds, the region has been able to better leverage these funds and cover more areas of response than if each grant had to use its funds independently. Examples also include equipping the region with better shelters by jointly procuring generators and portable Shelter Support Units.
15. The Healthcare Organization Emergency Preparedness Seminars were jointly funded by MMRS and the HRPDC in the past to increase preparedness and resiliency in the healthcare community. Combining these with VDH Community Based Emergency Response Seminars (CBERS) will consolidate funding streams and reduce duplication of efforts.
16. Regional Debris Management efforts now include monitoring contracts as well as expanded pricing to include vehicle and boat removal and other Lessons Learned from Hurricane Sandy that impacted other areas.
17. The ultimate creation of the **Regional Housing Portal** ([www.hrhousingresources.org](http://www.hrhousingresources.org)) will support savings and staff efficiency by creating a centralized database for consumers as well as housing providers. A future goal of the project is to create a "No Wrong Door" approach as well as a "One Stop Shop" model addressing problems of service providers locating referrals for existing clients, programs receiving inappropriate referrals of clients that do not meet their program criteria, and simply being understaffed to address client needs.
18. At the request of the Chief Administrative Officers (CAOs) of the Southside Hampton Roads localities, the HRPDC is facilitating a number of activities associated with solid waste management in these communities. In November 2008, a consultant study to examine solid waste management options after 2018, when the localities' current contracts with the Southeastern Public Service Authority expire, was completed. Since completion of the 2018 study, the HRPDC staff and consultant have continued intensive efforts to support the CAOs in their evaluations of several proposals under the PPEA to acquire some or all of SPSA's assets. During FY 2012, the localities requested the HRPDC to facilitate a renewed effort to address the post-2018 management of solid waste in the SPSA service area. This effort continued during FY 2013.

19. The HRPDC completed **the Regional Solid Waste Management Plan for Southeastern Virginia**, which was adopted by the HRPDC and the Board of the Southeastern Public Service Authority of Virginia in September 2011. The Plan was accepted by the Department of Environmental Quality as meeting the state requirements for local and regional solid waste planning.
20. In 2010, the HRPDC assumed responsibility for the annual recycling rate reporting to the state, on behalf of the Southside Hampton Roads localities.
21. The member localities frequently request the HRPDC staff to retain consultants to assist the localities in addressing critical regional issues. Ongoing efforts include solid waste management, sanitary sewer system asset consolidation and climate change.

**C. Identify mechanisms for coordinating local interests on a regional basis.**

1. Local efforts with regard to transportation planning and programming are coordinated through the **Legislative Ad-Hoc Committee, the Passenger Rail Task Force, the TRAFFIX Oversight Committee, the EJ Roundtable, the LRTP Subcommittee, the Transportation Programming Subcommittee (TPS), the Transportation Technical Advisory Committee (TTAC), the Transportation Advisory Committee (TAC), the Citizen Transportation Advisory Committee, (CTAC), the Freight Transportation Advisory Committee, (FTAC), and the Hampton Roads Transportation Planning Organization (HRTPO).**
2. The HRTPO staff continues to staff and coordinate all activities relating to the **Hampton Roads Transportation Operations Subcommittee (HRTO).**
3. The HRPDC continues to staff and coordinate the activities of the **Regional Construction Standards Committee (RCSC).** On behalf of the RCSC, comprised of representatives of the region's localities, major private utilities and the construction industry, the HRPDC continued to coordinate the development of regionally consistent standards, specifications and construction details for heavy utility construction.
4. The HRPDC continues to staff and coordinate emergency management planning and hurricane evacuation planning efforts for and on behalf of the Hampton Roads **Regional Emergency Management Technical Advisory Committee.**
5. The HRPDC staffs and supports the Hampton Roads Urban Areas Security Initiative (UASI) Grant Program for the **Urban Area Working Group (UAWG).** The UASI program funds address the unique planning, equipment, training, and exercise needs of high-threat, high-density Urban Areas, and assists them in building an enhanced and sustainable capacity to prevent, protect against, respond to, and recover from acts of terrorism.

6. The HRPDC Emergency Management staff continues to maintain a relationship with the **Virginia Modeling, Analysis and Simulation Center (VMASC)** managed through the Office of Research at Old Dominion University. Through this multi-disciplinary modeling, simulation and visualization collaborative research center, the Emergency Management staff provides emergency management and homeland security subject matter expertise from a local and a regional perspective to the various Clusters (e.g., Transportation/Evacuation, and Homeland Security) in a collaborative effort for all-hazards planning.
7. Hampton Roads continues to participate in the **Regional Catastrophic Preparedness Grant Program (RCPGP)** that is intended to enhance regional catastrophic preparedness and continuity of operations efforts, with the aim of strengthening the Hampton Roads Region against risks associated with catastrophic events. The HRPDC Emergency Management staff supports this effort to ensure regional planning centers on the highest risks of the surrounding region, where its impact will have the most significant effect on the collective security and resiliency of the region.
8. The **Virginia Area Maritime Security Committee (AMSC)** continues to be supported by the Emergency Management staff as the committee continues to develop a plan that provides an all-hazard operational framework and long-term preparedness program for facilitating the recovery of the U.S. Marine Transportation System (MTS) from either a natural, technological, or man-made disaster. A central component of this program is the pre-incident preparation of an MTS Unit (MTSU) by the Captain of the Port (COTP) in partnership with the AMSC, port stakeholders, local public safety officials (i.e., emergency management, fire and law enforcement agencies) and the establishment of an MTS Recovery Unit (MTSRU). The HRPDC provides emergency planning and exercise support for MTS recovery planning and preparation by serving as an advisory member to the director of the MTSRU, AMSC, and COTP.
9. The HRPDC Emergency Management staff continues to support the **Regional Inmate Evacuation Planning Initiative** started in FY 2009 at the request of the Hampton Roads Regional Jail and Inmate Evacuation Committee. Support has consisted of drafting planning templates, reviewing plans drafted, GIS geocoding of employees and mapping, acquiring and supporting jail/inmate emergency management training, and facilitating a functional jail assessment and promoting regional collaboration between emergency management, law enforcement, and corrections officials. A highly successful series of regional exercises were accomplished in 2013 as the culmination of these efforts.
10. The HRPDC Emergency Management staff supports a state homeland security **“Critical Infrastructure/Key Resource” initiative** through the development of a regional Critical Infrastructure Protection Program (CIPP). The CIPP committee has been developed and is being fostered by the HRPDC staff in coordination with the Governor’s Office of Veterans Affairs and Homeland

Security, REMTAC, the UAWG, the 16 localities, and other key stakeholders.

11. The HRPDC continues to staff the **Hampton Roads Mayors and Chairs Caucus**. The Caucus is concentrating on regional issues and engaging the General Assembly on matters important to the region. HRPDC also works with the area's Chambers of Commerce and regional community interest groups.
12. The **Hampton Roads Chief Administrative Officers** meet monthly to discuss the regional agenda. The HRPDC staffs and provides research and analysis to these efforts.
13. The HRPDC continues to staff and coordinate several regional environmental education programs:
  - **HR WET** - water conservation plans and educational efforts, representing the sixteen localities, HRPDC, the Hampton Roads Sanitation District (HRSD) and all military facilities in the region.
  - **HR STORM** - regional stormwater management education program, representing the sixteen localities, VDOT, HRSD and the HRPDC.
  - **HR CLEAN** - regional educational program focusing on litter control and recycling. Participants include the sixteen localities, two Public Service Authorities, Virginia Department of Transportation (VDOT) and the HRPDC.
  - **HR FOG** – regional educational program focusing on proper management of fat, oil and grease in the wastewater system. Participants include the sixteen localities, HRSD and the HRPDC.

These topical subcommittees serve as workgroups for **askHRgreen.org**. There is a cross-functional Executive Committee, which meets at least quarterly to ensure progress on joint educational efforts.

14. The HRPDC continues to staff and coordinate regional technical committees addressing major environmental issues. All involve the sixteen localities and associated regional, state and federal agencies. They include:
  - **Regional Stormwater Management Committee** comprised of the sixteen affected localities, the Hampton Roads Sanitation District and the State Departments of Environmental Quality and Conservation and Recreation. It provides for coordination of regional stormwater management studies, stormwater education programs, cooperative involvement in regulatory processes and exchange of information.
  - **Hampton Roads Chesapeake Bay Committee** comprised of the affected localities and the Virginia Department of Conservation and Recreation, Division of Chesapeake Bay Local Assistance and Department

Environmental Quality (Virginia Coastal Program). It provides for exchange of information on Chesapeake Bay Preservation Act (CBPA) implementation issues and coordination of regional studies on CBPA and Coastal Resource Management issues.

- **Directors of Utilities Committee** comprised of the sixteen localities and HRSD. It provides for exchange of information, coordination of regional water supply and wastewater related initiatives and development of regional positions.
  - **Joint Environmental Committee**, consisting of the members of the Hampton Roads Chesapeake Bay and Regional Stormwater Management Committees, five Soil and Water Conservation Districts, several state agencies and the U.S. Navy. It provides for exchange of information and integration of planning and stormwater management activities.
  - The **Regional Solid Waste Technical Committee** is composed of representatives of the eight Southside Hampton Roads localities that are members of the Southeastern Public Service Authority of Virginia (SPSA). Representatives include the Directors of Public Works or their designees for these eight localities. The Committee advises the HRPDC staff on the development and maintenance of the Regional Solid Waste Management Plan for Southeastern Virginia and the preparation of the annual Regional Recycling Rate Report, which is developed by the HRPDC staff and submitted to the Virginia Department of Environmental Quality on behalf of the eight localities. The Committee also provides technical support to the Chief Administrative Officers in their evaluation of post-2018 options for solid waste management in the SPSA service area.
15. The HRPDC staff coordinates legislative activities of the local governments with regular meetings of the local legislative liaisons and local elected officials to review and monitor activity of the General Assembly. When requested, special policy analyses and issue papers are developed for the leadership of Hampton Roads to pursue with the Hampton Roads legislative delegation. The HRTPO has established a legislative subcommittee of Board members and senior staff to develop legislative recommendations for consideration by the HRTPO Board. Both the HRPDC and the HRTPO adopted Legislative Agendas in FY 2013.
  16. The HRPDC staff chairs the Steering Committee for the **Elizabeth River Restoration Feasibility Study**. The Steering Committee is comprised of representatives of the four Basin localities, state and federal agencies, academia, the private sector and the Corps of Engineers.
  17. The HRPDC has partnered with Old Dominion University and the Virginia Sea Grant Program to develop a Sea Level Adaptation Forum. The Forum is intended to provide a vehicle for bringing expertise from both within and

outside the region to assist the localities in addressing climate change and sea level rise impacts.

18. The HRPDC continues to facilitate and coordinate the **Hampton Roads Watershed Roundtable** in addressing a variety of watershed and other environmental issues. The Hampton Roads Roundtable includes a broad range of private interests as well as local governments.
19. The HRPDC continues to staff and participate in the leadership of **the Hampton Roads Housing Consortium (HRHC)**. This regional organization provides a mechanism for networking, consensus building, education and project coordination for governmental, private and non-profit organizations interested in affordable housing issues. The HRPDC actively supported HRHC organizing efforts in 1995-96 and is represented on the HRHC's Board of Directors and Executive Committee. The HRPDC also provides ongoing technical assistance and administrative support to the HRHC and assisted with the coordination of several trainings and seminars for regional housing providers related to the Virginia Housing Trust Fund, Affordable Housing in Hampton Roads and Capacity Building for Housing Organizations.
20. The HRPDC staff facilitates periodic meetings of **Community Development Block Grant/HOME** coordinators for the eight Department of Housing and Urban Development (HUD) entitlement localities in Hampton Roads. These meetings act as a clearinghouse for issues of mutual interest and assist in the preparation of Consolidated Plans and annual Action Plans.
21. The HRPDC continues to support the **South Hampton Roads Disability Services Board (SHRDSB)**. This Committee works with local governments in the effort to improve service delivery, public awareness, as well as information and referral on issues that affect persons with physical and sensory disabilities. Due to state budget cuts, the Disability Services Board program was defunded as of May 31, 2008. While the actual program was discontinued, the SHRDSB has continued to be an active committee. The group's goal is to enhance the communication between the local governments, local training organizations, the Virginia Department of Rehabilitative Services system, and citizens with disabilities in order to facilitate preparation for employment and future hiring. The HRPDC staff continues to assist the group with strategic planning efforts and work plan development. Through these efforts, the SHRDSB changed its name to the **Hampton Roads Disability Board (HRDB)**. The newly reorganized committee expanded its focus beyond persons with sensory and physical disabilities to include other forms of disabilities.
22. The HRPDC continues to serve as the fiscal agent and regional coordinator for the **Metropolitan Medical Response System (MMRS)** and serve on its three main committees: HealthCare, Strike Team and Training, and Oversight.

23. The staff continues to work with the **Regional Housing Portal ([www.hrhousingresources.org](http://www.hrhousingresources.org))** Committee of stakeholders that include state as well as local partners in an effort to develop and maintain a true regional vehicle to disseminate sound and accurate information on affordable housing services and programs in the region.

**D. Implement services upon request of local governments.**

To date, HRPDC has not been requested by its local governments to implement services. However, the HRPDC has been requested to provide for the establishment and initial administrative support to a number of agencies created to implement services. In carrying out local requests to manage various operational programs, the HRPDC is, in fact, implementing certain programs:

1. The HRPDC continues to provide substantial research and analysis to member jurisdictions, regional organization, such as the Hampton Roads Partnership, Hampton Roads Economic Development Alliance, the Hampton Roads Chamber of Commerce, the Hampton Roads Military and Federal Facilities Alliance, and Opportunity Inc. Staff provides information and analysis on the Hampton Roads economy, job creation, transportation, and other critical aspects of community life. HRPDC staff routinely serves as a technical resource local and regional panels, advisory groups and boards.
2. While not implementation in the traditional sense, the environmental education program being managed through the HRPDC constitutes implementation. Through the **HR WET, HR STORM, HR CLEAN, and HR FOG** programs, the localities provide dedicated funding to the HRPDC to administer educational programs dealing with water conservation, stormwater management, litter control and recycling, and fat, oil and grease in the wastewater system, respectively. The HRPDC staff manages the annual program budgets, purchases supplies, develops and produces educational materials and conducts educational programs. **HR GREEN**, the umbrella for the regional environmental education committees, has become the overarching catalyst for regional environmental messages. The effort is web-based in the form of a content-rich website and highly informative blog. AskHRgreen.org has become for some localities, their only environmental education effort, ensuring compliance with environmental regulations and other requirements for public information and education relative to environmental issues. The program is funded solely from local contributions.
3. The **H2O - Help to Others - Program** is funded by citizen donations and managed by the HRPDC. Operational activities are conducted by the Hampton Roads Sanitation District and the participating localities. The Program provides one-time financial assistance to individuals who are in danger of losing their water service due to inability to pay their bills as a result of catastrophic situations, such as illness, loss of job or death of a family member. The Program was incorporated as a 501(c) (3) nonprofit under state law in

November 2007. The organizational meeting of the H2O Program as a nonprofit was held in March 2009. A Memorandum of Agreement among HRPDC, HRSD and the H2O Board to govern program operations was executed in July 2010. IRS approval of the H2O Program was received early in Calendar Year 2011. Several changes and enhancements are underway for donation collection as well as service delivery.

4. The **Hampton Roads Loan Fund Partnership (HRLFP)** was organized in 1996 to access low interest homeownership mortgages and down payment assistance offered through the Virginia Department of Housing and Community Development/Virginia Housing Development Authority (DHCD/VHDA) Single Family Regional Loan Fund initiative. HRLFP participants include local governments, housing authorities, nonprofit housing organizations and private lenders. HRPDC serves as Regional Administrator and fiscal agent for this program.
5. The HRPDC continues to administer the **Hampton Roads Sanitary Sewer Overflow Reporting System (SSORS)** on behalf of the region's localities, the Hampton Roads Sanitation District and the Department of Environmental Quality. Based on this model, an electronic reporting system for the region's stormwater management programs (**PARS - Permit Administration and Reporting System**) has been developed.
6. The HRPDC Emergency Management staff administers and supports the **Hampton Roads Urban Areas Security Initiative (UASI)** Grant Program with the Urban Area Working Group (UAWG) at the request of the localities.
7. In order to make effective use of the data compiled for special needs populations, emergency management officials needed a way to examine data received in a usable form in the preparation, response and recovery aspect of a disaster. The HRPDC contracted with a private company to procure and install **WebEOC®** for localities' emergency operations centers (EOC) and maintains a contract for onsite technical support and sustainment. This web-based application allows emergency management and local elected officials to view information for those known special needs populations within their respective locality during a disaster. This application also allows for regional coordination of special needs if shortfalls are identified in any locality and/or if operations need to be shifted to another locality due to the nature of the disaster or event. Expanding the use of WebEOC® throughout Hampton Roads strengthens regional collaboration and provides for a common Crisis Management Information System for all EOCs.

8. The HRPDC and all sixteen (16) member localities support the operation of the **Metropolitan Medical Response System**, including the Program Manager and management of all program elements funded by the federal grants. The Program Manager and staff develop training modules, plan and assist in regional exercises, and research and obtain the best equipment to support the regional response efforts needed in mass casualty situations, resulting from acts of terrorism and man-made and natural disasters.
9. At the request of local government, **Regional Hazard Mitigation Planning** support was provided by HRPDC Emergency Management staff for updating the Poquoson Hazard Mitigation Plan.
  - Researching and identifying mitigation projects and opportunities for funding
  - Strengthening local and regional hazard mitigation activities
  - Facilitating the Implementation of regional and local goals and objectives
  - Facilitating and increasing public outreach and education
  - GIS analysis and mapping support

Hazard Mitigation is a new capability that the HRPDC has developed for continued support to all localities.

**E. Provide technical assistance to local governments.**

1. Throughout the fiscal year, the Chief Economist delivers presentations to the Commissioners of the HRPDC in order to keep them informed about the latest economic trends occurring in the region. The HRPDC economics staff continues to provide specialized assistance to local governments as needed, providing technical reports, economic impact analyses, responding to general information requests, and delivering quarterly economic updates on the regional economy.
2. The HRTPO continues to provide local jurisdictions with technical assistance on critical transportation issues.
3. The HRPDC assists member local governments as well as a number of volunteer organizations and private non-profit organizations in researching the availability of grant funds and developing the appropriate grant fund applications or proposals.
4. The HRPDC provides technical assistance to cities, counties and towns through its **local comprehensive planning program**, including development of draft plans, ordinances, etc. and analysis of the impacts of various development proposals. Representative of these efforts include assistance in research and analysis in the development of comprehensive plans and development ordinances; research on Best Management Practices and other engineering design approaches to addressing stormwater, water supply and groundwater

- management issues; and research on urban design and growth management issues. All of the above support local ordinance and guidance development.
5. During FY 2013, the HRPDC staff pursued, under contract with the localities, a number of studies including:
    - **Gloucester County Comprehensive Plan.**
    - **Williamsburg Comprehensive Plan.**
    - **Franklin Comprehensive Plan.**
  6. Other **assistance to local planning efforts** included participation on Technical Advisory Committees supporting Comprehensive Plan Development, analysis of water quality and flooding issues on the Blackwater and Nottoway Rivers (Franklin, Isle of Wight, Southampton, Suffolk, and Surry), water management plan (Hampton), and utility and regulatory issues (Surry), .
  7. During the FY 2013, the HRPDC prepared a variety of maps depicting census and environmental data at the request of local governments and private nonprofit organizations. Maps to support local land acquisition activities were also prepared based on local requests.
  8. The HRPDC provides modeling analysis of the impacts of both existing and proposed groundwater withdrawals to support local impact mitigation programs, permit applications and other specialized studies.
  9. **Regional Environmental Organizations.** The HRPDC staff continues to work with the Elizabeth River Project, Lynnhaven River Now, Hoffer Creek Wildlife Foundation, a new North Landing River Watershed Organization and Back Bay Restoration Foundation.
  10. The HRPDC provides **graphic services** to small communities and various private, nonprofit organizations, serving the region's localities. The HRPDC manages its Board Room and related facilities to serve the region's localities and regional agencies. Examples include:
    - Design and print Resolutions of Appreciation and Certificates.
    - Design and layout for informational and promotional brochures and booklets.
    - Design and layout of business cards.
    - Design logos and seals for private, nonprofit organizations.
    - Design and print letterhead and envelopes.
    - Other technical assistance on printing and reprographic services.
    - Manage meeting and conference facilities.
  11. Throughout the year, the staff provides briefings to various civic, business, governmental, professional and environmental groups on regional issues, including the state of the economy, transportation issues and projects,

emergency management and homeland security issues and environmental issues and programs.

12. The HRPDC continues to collect and disseminate regional housing statistics and information, such as census data, foreclosure statistics and local housing information, regarding housing issues to local governments and nonprofit housing organizations.
13. The HRPDC staff manages the **Hampton Roads Mayors and Chairs Caucus** and the **Hampton Roads Chief Administrative Officers'** process.

**F. Serve as liaison between local governments and state agencies as requested.**

1. Work with the **Virginia Department of Emergency Management**, local jurisdictions, Hampton Roads Metropolitan Medical Response System (HRMMRS), and the Urban Areas Security Initiative (UASI) continues to coordinate efforts in the areas of Modeling & Simulation, Medical Special Needs, and regional communications. Funds are also being supplemented through Assistant Secretary for Preparation & Response (ASPR) grants to expand the medical response efforts of regional hospitals in the event of mass casualty incidents – both man-made and natural. This coordinated response greatly increases the effectiveness of all funding in these areas. Local, state and federal resources are being used to a much greater effect as a result.
2. According to its Charter, the **Eastern Region of Virginia Hospital Preparedness Coordinating Group** is established as a voting authority of the Hampton Roads Metropolitan Medical Response System (HRMMRS) HealthCare Committee to provide guidance for the implementation of the Assistant Secretary for Preparedness and Response (ASPR) Program for the development and ongoing direction of an effective regional healthcare and emergency management program. This coordinates a state-affiliated hospital grant program with the federally sponsored HRMMRS public health response program and further enhances medical care throughout the region. Work with participating local agencies and organizations to assist in the efforts of the HRMMRS.
3. Five of the six Homeland Security programs are now being funded with federal pass-through dollars through the **Virginia Department of Emergency Management** (VDEM) to the local jurisdictions. The sixth, the HRMMRS, is further being passed from VDEM through the **Virginia Department of Health** (VDH) then on to the localities. The HRMMRS has been pro-active in this area since inception, as representatives from both VDEM and VDH have seats on the HRMMRS Oversight Committee as well as on various sub-committees. Now that the VDH is handling statewide MMRS funding, local Hampton Roads representatives are working with both the Richmond and Arlington MMRS programs – utilizing ideas from all three to more effectively manage both federal and local dollars.

4. The HRPDC Emergency Management staff work with the **Virginia Department of Emergency Management**, local jurisdictions, Hampton Roads Metropolitan Medical Response System (HRMMRS), the **Governor's Office of Veterans Affairs and Homeland Security**, the Hampton Roads Urban Areas Working Group (UAWG), the Federal Emergency Management Agency (FEMA), and the Department of Homeland Security (DHS) to coordinate efforts in holistic Emergency Management and Homeland Security initiatives. This collaborative effort has resulted in local, state and federal funding being used to a much greater effect to maximize the resources, capabilities and opportunities to better prepare Hampton Roads for a disaster.
5. The HRPDC staff is the grant and program administrator for the Hampton Roads Urban Areas Security Initiative (HR UASI) and six **State Homeland Security Grant Program (SHSGP)** initiatives. The UASI and SHSGP funds are distributed by the Department of Homeland Security (DHS) to VDEM. VDEM is the State Administering Agent (SAA) for the Commonwealth. Once VDEM receives the funds, they are passed through to the HRPDC. The HRPDC staff then administers the funds to implement the programs.
6. HRPDC Emergency Management staff members continue to serve on a number of local, regional, state, and federal advisory homeland security, emergency preparedness, and planning committees where collaboration and knowledge gained from this participation can be extremely beneficial to local communities.
7. The HRPDC serves as a partner with the **U.S. Census Bureau** in addressing issues of regional significance that are related to the 2010 Census Count.
8. The HRPDC and HRTPO are working with the **Virginia Center for Transportation Innovation and Research** and **VDOT** to evaluate a technical manual developed by the Federal Highway Administration for determining impacts and associated mitigation of sea level rise on transportation facilities.
9. During FY 2013, the HRPDC continued coordinating participation by the Hampton Roads localities in a study of Working Waterfronts. This study is being conducted by the Virginia Institute of Marine Science in cooperation with the Hampton Roads, Middle Peninsula and Accomack-Northampton PDCs. Funded through the Virginia Coastal Zone Management Program, this project addresses one of the high priorities identified in the state's Coastal Zone Enhancement Strategy.
10. HRPDC and HRTPO staff members continue to serve on a number of **State Advisory Committees** where knowledge gained from this participation can be extremely beneficial to local communities.
  - Chesapeake Bay Program Urban Stormwater Work Group
  - Chesapeake Bay Program Land Use Work Group

- USGS/DEQ Ground Water Model Peer Review Team
- Virginia Water Resources Research Center Statewide Advisory Board
- Member, Board of Directors, South Hampton Roads Resource Conservation and Development Council
- Statewide Transportation Planning Research Advisory Committee
- Virginia Association of MPOs
- PPTA Working Group
- State Operations Research Advisory Committee
- Strategic Highway Research Program (SHRP2) L34 Technical Expert Task Group
- Virginia Freight Transportation Technical Committee
- Transportation Research Board (TRB) Multimodal Statewide Planning Committee
- Hampton University Eastern Seaboard Intermodal Transportation Applications Center Research Selection Committee
- Virginia Watershed Alliance, Steering Committee
- Virginia Association of Housing Counselors, Certification Committee
- DCR, Technical Advisory Committee for the Stormwater Construction General Permit
- DCR, Stormwater BMP Clearinghouse
- DCR, Stormwater Management Regulations Regulatory Advisory Panel
- DCR, Stormwater Management Local Government Advisory Group
- DEQ, Regulatory Advisory Panel on Nutrient Trading
- DEQ, Water Supply Plan Advisory Committee
- DEQ, Coastal Policy Team
- DEQ, Coastal PDC Committee
- DEQ, 404 Permits Stakeholder Advisory Group
- VAPDC, Committees on Communications, Environment, GIS/Technology and Transportation
- Virginia Housing Development Authority (VHDA) Senior Housing Council
- Virginia Hurricane Evacuation Preparedness Committee
- Virginia Housing Development Authority (VHDA)/Virginia Housing Search – Stakeholder Steering Committee
- BOEMR, Offshore Wind Task Force
- North Carolina, Albemarle-Pamlico Estuarine Study Policy Committee
- Secretary of Natural Resources, Stakeholder Advisory Group for the Chesapeake Bay TMDL and WIP
- Virginia Institute of Marine Science, Recurrent Flooding Study Stakeholder Advisory Group – Core Group
- Virginia Military Institute, Environment Virginia 2013 Planning Committee

**G. Review local government aid applications.**

One of the standard items on the HRPDC meeting agenda is the topic Regional Reviews. This includes both the **PNRS (Project Notification and Review System)**

**and the EIA/EIS (Environmental Impact) Review.** This includes applications for state and federal financial assistance, environmental assessments and statements and federal coastal zone consistency determinations. These are reviewed first by the HRPDC staff to identify all issues or problems. If no issues are raised through staff and local government staff review, the applicant or project sponsor is advised and the item is placed on the Consent Agenda for the next HRPDC meeting. If issues are raised that cannot be resolved at the staff level, the project is placed on the HRPDC agenda for discussion and action by the Commission. Considerable effort is expended by the staff in reviewing EIA/EISs on state and federal projects and coordinating local input to the appropriate state or federal agencies. This effort increased substantially with the formal establishment of review procedures for federal consistency under the Virginia Coastal Resources Management Program. During FY 2013, the HRPDC staff reviewed approximately fourteen (14) PNRS items and approximately sixty four (64) EIA/EISs.

#### **H. Develop regional functional plans upon request.**

1. The Hampton Roads region is served by several public transportation providers. Two of the largest of these providers are the **Transportation District Commission of Hampton Roads (HRT)** and **Williamsburg Area Transit Authority (WATA)**. Each of these agencies develops regional functional plans. The HRTPO staff coordinates activities being undertaken by them with other ongoing planning activities to ensure compatibility and continuity.
2. There are a significant number of regional service agencies that have been created to implement regional plans, such as the **Hampton Roads Military and Federal Facilities Alliance**.
3. The **Hampton Roads Sanitation District (HRSD)** is a public utility created to provide regional wastewater treatment. The HRPDC staff works closely with HRSD staff to ensure that its plans are coordinated with other ongoing regional efforts. In addition, the HRPDC continues to facilitate regional efforts to carry out the Consent Order on Sanitary Sewer Overflows, which will ultimately lead to a Regional Wet Weather Management Plan. During FY 2013, the HRPDC managed a consultant study, on behalf of HRSD and the region's localities, to evaluate the potential regionalization of sewer system assets throughout the HRSD service area.
4. Historical regional planning efforts have led to the creation of the **Southeastern and Virginia Peninsulas Public Service Authorities (SPSA and VPPSA)** to handle solid waste disposal and management and recycling on a regional basis. The HRPDC staff continues to work with staff from the two authorities to coordinate regional infrastructure and service provision, including public information, education programs and debris management. At the request of the **Chief Administrative Officers (CAOs)** from eight of the Southside localities, the HRPDC facilitated an examination of solid waste

management needs and implementation options for the period after 2018, when the current contracts between the localities and SPSA expire. This work was completed in November 2008. Since that time, the HRPDC and its consultant have continued to support the eight localities in evaluating various options associated with the sale of SPSA's assets through a PPEA. During FY 2010, the HRPDC was requested by the CAOs to complete the 2010 Update to the Regional Solid Waste Management Plan and to facilitate development of a transition plan between 2010 and 2018, when the current SPSA-local government contracts expire.

5. Inmate Evacuation Planning continues at the request of the **Hampton Roads Inmate Evacuation Planning Committee (HRIECP)**. In FY 2013 HRPDC staff, utilizing FY2010 UASI funds facilitated a series of jail exercises. HRPDC Staff was also requested by the Virginia Peninsula Regional Jail (VPRJ) for GIS mapping assistance for employee recall and other purposes. HRPDC Staff working with ESi took the opportunity and developed a tailored WebEOC solution on the Regional WebEOC server to allow VPRJ to actively update and produce their own recall maps and utilize other available functions to improve their plans and operational capabilities.

**I. Assist state agencies, upon request, in developing sub-state plans.**

1. HRTPO staff continues to assist in coordinating the activities of the **Hampton Roads Transportation Operations Subcommittee (HRTO)** of the Transportation Technical Advisory Committee by providing technical and administrative assistance to the HRTO as it works toward a collaborative to develop operational and management strategies to improve the performance of existing transportation facilities to relieve vehicular congestion and maximize the safety of people and goods.
2. HRTPO staff continues to participate in the review of proposals for **Hampton Roads Public-Private Partnership pipeline projects**.
3. The HRTPO continues to support VDOT in the update of **VTRANS 2035 and the development of VTRANS 2040**.
4. The HRPDC continues working closely with the localities through the Regional Emergency Management Technical Advisory Committee, the Hampton Roads Emergency Management Committee, and the emergency management community in the area of emergency management planning and coordination. This effort involves close work with the **Department of Emergency Management, VDOT**, and other organizations within the region to refine hurricane evacuation plans and contingencies for coastal Virginia.
5. The Regional Groundwater Management Program provides funding for technical analysis of groundwater conditions by the U.S. Geological Survey (USGS). Information generated through this effort is used by the state in its

planning for, and regulation of, groundwater withdrawal and use in the Coastal Plain of Virginia. Through a comprehensive effort, begun in FY 2000, by the **Virginia Department of Environmental Quality, USGS, HRPDC** and others, the Coastal Plain Model, which is the primary analytical tool used in the state regulatory process was updated with the development effort completed during FY 2010. DEQ has announced that the new Coastal Plain Model will be integrated into the state's regulatory process. HRPDC has also partnered with USGS to write whitepapers on land subsidence and groundwater quality.

6. The Hampton Roads Watershed Roundtable and Stormwater Program Comprehensive Environmental Planning Programs are designed, in part, to facilitate state efforts to comply with the **Chesapeake Bay Agreement 2000**, which called for the development of strategies to reduce nutrient loadings to the Bay and its Tributaries, which were to lead, through voluntary approaches, to the removal of these waters from the EPA "impaired waters" list. The state is required by state legislation to complete these strategies. Recognizing that the voluntary approach was not achieving the desired restoration of the Chesapeake Bay and its Tributaries, the Chesapeake Bay Program in cooperation with the state embarked on development of a TMDL for the Bay, which includes a state-developed Watershed Implementation Plan. State law also requires the state to develop TMDL Implementation Plans and to take other steps to manage the quality of the state's waters. The HRPDC is continuing to facilitate local efforts to participate in these activities and to refine local implementation approaches. The focus during FY 2013 has been on how the **Virginia Watershed Implementation Plan's** requirements will be included in MS4 permits.
7. The staff continues to participate in the ongoing refinement of the **Virginia Coastal Program**. During FY 2013, this included extensive participation in studies related to working waterfronts, climate change, and water quality issues associated with land use and development.
8. The HRPDC continues to provide extensive input to the discussions of state agencies and others on improving the state's stormwater management programs through membership on state advisory committees and positions adopted by the HRPDC. During FY 2013, regional efforts continued to focus on the development of the implementing regulations, implementation of the **state BMP Clearinghouse**, implementation of the **MS4 Permits** for the twelve permitted localities and improvements to the regional reporting system.
9. Based on the work of the **State Water Commission and the Administration** during FY 2003, the state embarked on a comprehensive approach to state, local and regional water supply planning and permitting. Representatives of the HRPDC staff and Committees participated on the **Technical Advisory Committees that assisted DEQ** in developing the planning regulation and related permitting regulations. The region continues to work closely with DEQ in the implementation of this program. The HRPDC has developed the regional

water supply plan for the Hampton Roads Region, which will serve as direct input to the state water supply plan. During FY 2011, 2012, and 2013, the HRPDC has served on the State Water Supply Plan Advisory Committee, convened by DEQ in response to a 2011 General Assembly Resolution.

10. The region maintains an active involvement in state and federal regulatory initiatives. During FY 2013, these efforts focused on the state stormwater management regulations and the Chesapeake Bay TMDL and WIP.
11. The **HRPDC Joint Environmental Committee** provides a venue for the state agencies to brief all Hampton Roads localities on state initiatives and receive local/regional input at one time. During FY 2013, representatives from **DEQ, DCR, VDOT, EPA, USGS, U.S. Navy, Virginia Institute of Marine Science (VIMS)**, and various private nonprofit organizations discussed issues such as shoreline planning, stormwater management, CBPA issues, Total Maximum Daily Load (TMDL) planning, climate change and others with the Committee.
12. The HRPDC Directors of Utilities Committee meets semiannually with the Directors of the region's Local Health Departments and the **VDH Office of Water Programs** to address issues of common concern, ranging from water supply regulations, security issues, pandemic influenza planning, water-borne diseases, emergency response and water system operations.

**J. Participate in statewide geographic information system.**

1. The HRPDC continues to maintain and update enhanced coverage for each of its jurisdictions as a part of the development of a GIS platform for Hampton Roads. In concert with the ongoing development of the regional GIS, the HRPDC continues to enhance the organization and content of the regional transportation database, including demographics and economic data, traffic counts for the region's roadway network and other transportation related information.
2. HRPDC continues to update regional GIS coverage and local area maps, conduct comprehensive planning analyses using GIS technology and participate in staff training in GIS applications. This ongoing effort enhances the region's ability to contribute to the statewide GIS.
3. The HRPDC plays an active role in the **Hampton Roads GIS Users Group** and the **VAPDC GIS/Technology Committee**.
4. Through the **VAPDC Environmental Committee** and the **DEQ Coastal Policy Team**, the staff continues to work toward the maintenance of a state environmental GIS. Through a number of projects funded by the Coastal Program and being conducted by DCR, DEQ, Department of Game and Inland Fisheries (DGIF), VIMS, and the eight Coastal Planning District Commissions (PDCs) progress continues to be made.

5. The HRPDC continues its efforts to develop readily accessible and comprehensive environmental information on environmental conditions and permit issues for the Hampton Roads region.
6. Extensive use of GIS technology and analysis is being made by the HRPDC staff to support ongoing local comprehensive planning efforts and similar studies and local implementation efforts.

**K. Serve as an affiliate of the State data center and collect and maintain demographic, economic, and related data for the region and member governments.**

1. The HRPDC maintains a computerized database covering economic and demographic data for member localities and the region. This database contains information as reported on a monthly, quarterly, and annual basis. In addition to contributing to a regional economic and demographic analysis, this data is used for regional business cycle tracking. The Economics Department also publishes the **Hampton Roads Regional Benchmarking Study**, which includes descriptions, data tables, and graphic illustrations of 80+ regional indicators, providing a comprehensive review of the quality of life in Hampton Roads. In addition to the indices, the benchmarking study also outlines significant changes to, or impacts on, the regional economy. Both documents are available on the HRPDC website.
2. The HRPDC maintains an **historic file of aerial photographs** of the region, dating to the 1960s. The most recent update of aerial photographic coverage for the Hampton Roads region was completed in June 2000. These photos are intensively used by consultants conducting environmental assessments to support financing of business transactions, property transfers and forestry studies. During FY 2004, the HRPDC acquired the **Digital Orthphotoquad** coverage for Hampton Roads from the Virginia Geographic Information Network (VGIN). The staff is using this information to support local planning and environmental assessment work.
3. The HRPDC maintains **comprehensive environmental information** on a variety of environmental characteristics for the region. GIS data layers are developed through ongoing studies and will be incorporated into a comprehensive database as those studies are completed.

**Element #3: Highlight successes and achievements of special note with regional efforts in cooperation.**

**Highlight #1:**

During 2013, the HRTPO staff led a collaborative effort on behalf of 46 localities throughout Virginia's Urban Crescent, which encompasses Northern Virginia through the Richmond region to Hampton Roads, to address the Commonwealth's

well-documented transportation needs. This unprecedented effort ultimately led to the passage of HB2313, which revamped transportation funding in Virginia, leading to much needed additional funding throughout Virginia and in Hampton Roads and Northern Virginia.

### **Highlight #2:**

In September, 2011, the HRTPO released phase 1 of the **Hampton Roads Military Transportation Needs Study**, entitled **Highway Network Analysis**, a study to determine military transportation needs and to provide an efficient and safe environment for the military in Hampton Roads. The first step was to engage stakeholders – including local military representatives, federal agencies, Virginia Department of Transportation (VDOT), Virginia Port Authority (VPA) and local jurisdictions – to gather their input. Initial discussions led to the agreement by HRTPO staff to examine the adequacy of the Strategic Highway Network (STRAHNET) routes in Hampton Roads and to include them in local planning efforts. Recognizing that Hampton Roads is also home to many military sites not identified within STRAHNET, the regional stakeholders expressed a desire to identify a roadway network beyond STRAHNET to include roadways serving these additional military sites and intermodal facilities supporting the local military. This regional roadway network includes STRAHNET routes as well as non-STRAHNET roadways to and from these additional locations and in the study is labeled “Roadways Serving the Military in Hampton Roads”. The “Roadways Serving the Military in Hampton Roads” network was identified and evaluated to determine deficient locations, such as congested segments, deficient bridges, and inadequate geometrics. During FY 2013, the HRTPO released the **Military Commuter Survey** as phase 2 of the **Hampton Roads Military Transportation Needs Study**. The Military Commuter Survey, which was conducted from November 8, 2011 to February 24, 2012, was developed by HRTPO staff in coordination with local, U.S. Armed Forces, local government, the Port of Virginia, HRT, and VDOT. The purpose of the survey is to determine the transportation challenges facing local military personnel during their daily commutes in Hampton Roads. A total of 10,994 survey responses were received from the HRTPO military commuter survey, the results of which will enable transportation decision-makers, including the HRTPO Board, to direct resources to solve those problems in an informed manner. Data from this survey will also be distributed to other transportation stakeholders for further analysis and study in order to enhance travel throughout Hampton Roads

### **Highlight #3:**

The **HRTPO Public Participation Plan 2012**, released in January, 2013, is part of a comprehensive effort to inform, increase awareness, and engage interested parties in the HRTPO transportation planning and programming process. The Public Participation Plan serves as the blueprint for HRTPO public involvement and outreach activities and is intended to provide a quick and easy guide for citizens to understand the HRTPO’s public participation approach and how one might become involved in shaping the future of transportation in Hampton Roads. In May, 2013,

the HRTPO also updated the **HRTPO Title VI and LEP Plan**, first released in May, 2011. This Plan provides an overview of Environmental Justice and Limited English Proficiency (LEP) concepts, definitions of Title VI and associated nondiscrimination acts, and how Title VI, Environmental Justice and LEP are incorporated in the metropolitan transportation planning process. Included in this Plan are detailed procedures on how to identify a person who may need language assistance, the ways in which assistance may be provided, and guidelines to notify LEP persons that assistance is available.

#### **Highlight #4:**

**The State of Transportation in Hampton Roads 2013**, released in June, 2013, is a product of the Congestion Management Process, an on-going process that identifies, develops, evaluates, and implements transportation strategies to enhance mobility region wide. The State of Transportation Report 2013 details the current status of all facets of the transportation system in Hampton Roads, including air, rail, water, and highways. Many aspects of the highway system are highlighted, including roadway usage, pavement condition, bridge conditions, costs of congestion, commuting characteristics, roadway safety, truck data, transit usage, active transportation (which includes biking and walking), highway funding, and operations. New in this edition of the State of Transportation report is data regarding volumes at continuous count stations throughout the region and the Planning Time Index, which details the reliability of the regional roadway network.

#### **Highlight #5:**

Hampton Roads Transportation Planning Organization (HRTPO) is currently in the process of developing the 2040 Long-Range Transportation Plan (LRTP). As part of the process, HRTPO staff conducted a non-scientific survey from October 10, 2012 to December 31, 2012. The purpose of this survey is to gain public and stakeholder input during the early stages of developing the 2040 LRTP. The **2040 LRTP Visioning Survey** was made up of a mix of multiple choice questions and open-ended questions covering an array of transportation-related topics in regards to Hampton Roads. The report contains a summary of the results, locations of where survey respondents live and work, and key findings. Finally, a summary of next steps in developing the 2040 LRTP is also included.

#### **Highlight #6**

The HRTPO began a series of regional freight studies in the 1990s, and released the region's first report in 1996. The regional freight program is an ongoing process that identifies, develops, evaluates, and implements transportation strategies to improve the movement of goods and enhance connectivity among all modes of transportation. The latest update, **Hampton Roads Regional Freight Study 2012 Update**, was released in September, 2012, and focused on two major components: Commodity Flows of foreign and domestic freight movement to, from, and within Hampton Roads were analyzed for all transportation modes by weight and value for

existing (2010) and projected (2040) conditions to determine freight movements, top trading partners and top commodities for Hampton Roads. Regional Truck Movement analyzed the movement of trucks both within Hampton Roads as well as through the gateways of the region, and identified locations with high truck delay levels.

#### **Highlight #7**

During 2013, the HRTPO released the **Hampton Roads Regional Bridge Study 2012 Update**, building on previous analyses of regional bridges in Hampton Roads beginning in 2007. The 2012 update includes sections regarding bridge definitions, regional summaries, bridge inspections and ratings, deficient bridges, fracture and scour critical bridges, sufficiency ratings, health indices, bridge funding, and bridge projects as well as comparisons between the condition of bridges in Hampton Roads and those in other large metropolitan areas throughout the country. The 2012 update includes, for the first time, an analysis of the anticipated cost of sustaining bridge connections in Hampton Roads through the year 2040.

#### **Highlight #8**

In preparation for the annual Virginia General Assembly session, the HRTPO Board develops annually a set of legislative priorities for the General Assembly to review, consider and ultimately approve. For the 2013 General Assembly session, the HRTPO Board adopted a resolution on November 15, 2012 containing ten legislative recommendations which were transmitted to local governments and the Hampton Roads Delegation to the General Assembly. The priorities listed in the legislative agenda are consistent with the region's transportation planning and programming priorities, and were prepared in collaboration with locally elected officials, representatives from the regional transit authorities, General Assembly, and Commonwealth Transportation Board, as well as from state agencies such as the Virginia Department of Transportation, Department of Rail and Public Transportation, Virginia Port Authority and Virginia Department of Aviation, and federal agencies such as the Federal Highway Administration, Federal Transit Administration, and Federal Aviation Administration.

#### **Highlight #9:**

The HRPDC Emergency Management staff, as part of its Regional Emergency Management Technical Advisory Committee (REMTAC), continued its work with seven subcommittees that include: **special needs, debris management, Healthcare Organizations Emergency Preparedness Seminars (HOEPS), the Urban Area Security Initiative (UASI), and Regional Catastrophic Preparedness planning.**

### **Highlight #10:**

The HRPDC Emergency Management staff, in conjunction with a planning committee and support from local emergency managers (members of REMTAC), planned and executed **the annual Healthcare Organization Emergency Preparedness Seminars (<http://hoeps.org>) for assisted living facilities, nursing homes, and group homes on the Peninsula and South Hampton Roads**. The seminar in FY 2013 was focused on helping these organizations improve facility disaster planning for no notice events.

### **Highlight #11:**

The HRPDC Emergency Management staff continued support of the **Hampton Roads Interoperability Communications Advisory Committee (HRICAC)** to facilitate collaboration between emergency management and communications officials. Also, the staff facilitated the grant application that obtained funding for an augmentation of the HRTacRAN, in collaboration with the HRICAC, to harden the **HRTacRAN microwave ring** built by the initial \$6 million Grant from the Department of Homeland Security (2003-2006) to support emergency communication needs for local jurisdictions in the region. The HRPDC will provide administrative and fiduciary support to the HRICAC for the HRTacRAN. HR Emergency Communications Plan

### **Highlight #12:**

In FY 2007, the HRPDC began facilitating the **Urban Areas Security Initiative (UASI) Program for the region**. The UASI program funds address the unique planning, equipment, training, and exercise needs of high-threat, high-density Urban Areas, and assist them in building an enhanced and sustainable capacity to prevent, protect against, respond to, and recover from acts of terrorism. The funding has a direct impact on State, regional, and local preparedness for a range of threats facing our Nation's communities. The Hampton Roads Region has been allocated funding in the amount of \$7.76 million for FY08, \$7.3 million for FY 2009, \$7.3 million for FY 2010, and \$5.1 million for FY 2011. The HRPDC will continue to administer the grant and provide program management for the FY 2008, FY 2009, FY 2010, and FY2011 grant cycles.

### **Highlight #13:**

The HRPDC staff continues to participate in the **Regional Catastrophic Preparedness Grant Program (RCPGP)** initiative provided to Hampton Roads by Department of Homeland Security (DHS) in FY 2008-. With this funding, difficult projects (Mass Care and Sheltering; Evacuation and Transportation; and Commodities, Resources and Volunteer Management) continue to be addressed by consultants hired by the Virginia Department of Emergency Management (VDEM).

**Highlight #14:**

Based on the region-wide success of the **Hampton Roads Metropolitan Medical Response System** program (HRMMRS) in contributing to the cooperative training and exercise efforts of the program, all Hampton Roads jurisdictions continue to fund the Sustainment budget based on population, which funds the operational arm of the program at \$ 327,304 annually, as well as ensuring that the federal deliverables are being met. A total of \$13,288,091 in federal dollars has been awarded between the fall of 1999 and the summer of 2012.

**Highlight #15:**

Since the mid-1990s, the HRPDC and the region's localities have worked closely to devise a **regionally consistent approach to compliance with state and federal stormwater management requirements and to implement effective programs to serve the region's citizens**. Legislation enacted by the 2004 Session of the General Assembly, which was supported by the HRPDC and its member local governments, integrated the several state stormwater management programs and established the framework for the one-stop shop concept. In FY2011, representatives from HRPDC and its member localities served on the Department of Conservation and Recreation's reassembled Regulatory Advisory Panel (RAP) to develop comprehensive stormwater management regulations that will enhance the ability of the local governments to implement cost-effective stormwater management programs that meet water quality requirements while minimizing adverse impacts on local governments. The Region supported the final Regulations that established a statewide phosphorus standard for post-construction stormwater runoff. The Regulations were approved by the Soil and Water Conservation Board in May 2011, and will be implemented by localities by July 1, 2014. The HRPDC staff is presently representing the region on the Stormwater Local Government Advisory Committee. The region is also currently represented on the DCR Stormwater BMP Clearinghouse. In FY13, HRPDC staff collaborated with DCR and DEQ to create an advisory panel to create guidance for developing Action Plans to meet TMDL requirements. These Action Plans are a new requirement in the MS4 permits. HRPDC staff volunteered to co-chair the Chesapeake Bay Program's Land Use Workgroup to promote better integration of local land use and land cover data into the Bay Program's model.

**Highlight #16:**

The sixteen localities of Hampton Roads address a variety of regional environmental issues through the **HRPDC's comprehensive environmental education program**. Beginning in 1994 with the establishment of HR WET, the regional water conservation education program, the program has been continually refined and expanded. In FY 1999, a regional stormwater management education program, HR STORM, was established. In FY 2001, the regional environmental education effort was again expanded to include a litter control and recycling program, HR CLEAN. In FY 2004, the HRPDC Directors of Utilities Committee recommended the development of a new educational program addressing fat, oil and grease (FOG) in

the wastewater system. For each program element, the localities provide dedicated funding to support the development of regionally consistent messages which are conveyed to the public through advertising in the various public media, development of publications, acquisition of promotional items, development of educational curricula and coordination of local efforts. To further enhance program effectiveness, the program advisory committees have implemented approaches to integration of common program elements. Cost-efficiencies are realized through sharing of specialized staff capability at the HRPDC, joint development of media campaigns, joint advertising in the Hurricane Guide produced by one of the region's major television stations, joint development and purchasing of educational and promotional materials. The latter included a Newspaper in Education initiative in cooperation with the region's two major daily newspapers, which was reprinted during FY 2009 and distributed in FY 2011. The environmental education programs are making extensive use of social media in their efforts to educate the region's citizens about the various environmental issues and solutions. Beginning in FY 2010, the programs have undertaken a comprehensive initiative to integrate and rebrand the region's environmental education as askHRgreen.org to further enhance their effectiveness. Work continues on these efforts to more fully integrate comprehensive regional environmental education messages.

#### **Highlight #17:**

Because the water quality goals set forth in the Chesapeake 2000 Agreement were not met by 2010, the Environmental Protection Agency established a **Total Maximum Daily Load for the Chesapeake Bay** on December 29, 2010. The jurisdictions within the Bay watershed are expected to develop strategies to meet the nutrient and sediment load reductions outlined in the TMDL. In November 2010, Virginia submitted to EPA its Phase I Watershed Implementation Plan (WIP) that outlined the statewide strategies that would be implemented by each source sector. In 2012, Virginia submitted its **Phase II WIP** that outlined the management actions that will be implemented by local governments. During FY2012, the HRPDC formed a Regional Steering Committee to facilitate development of local government management action strategies. In FY 13, HRPDC staff provided technical support to local elected officials that were appointed by the Governor to serve on the Chesapeake Bay Program's Local Government Advisory Committee. HRPDC completed two reports to provide local governments ideas and tools to implement Virginia's WIP goals. The report "Reducing Nutrients on Private Property: Evaluation of Programs, Practices, and Incentives" described model programs that encourage citizens to install BMPs on private property and evaluated the challenges and tools available to help localities coordinate these efforts and report them as progress toward the WIP goals. The second report "Redevelopment As a Nutrient Reduction Strategy" analyzes the potential to reduce nutrient loads by encouraging redevelopment and provides recommendations for tracking and quantifying nutrient reductions.

### **Highlight #18:**

During FY 2006, the region's localities and the Hampton Roads Sanitation District were advised by the U.S. Environmental Protection Agency (EPA) and the Department of Environmental Quality (DEQ) that in accordance with a new national enforcement policy, consent orders would be developed with them to address issues associated with **sanitary sewer overflows and wastewater treatment capacity**. All parties requested that the HRPDC facilitate the effort to address these requirements. Through the Directors of Utilities Committee, the Capacity Team Subcommittee and the Utilities Legal Team, a cooperative process for addressing these requirements was developed and agreed to by the state and federal agencies and all local participants. A regional consent order with the DEQ was developed and approved by the localities, the Hampton Roads Sanitation District and the State Water Control Board in September 2007. The Order includes a comprehensive set of Regional Technical Standards (design guidelines and evaluation criteria for determining the appropriate balance between collection system improvements and increases in wastewater treatment capacity). To support the Regional Order, a Memorandum of Agreement among the localities, HRSD and HRPDC was developed and approved by the participants. During FY 2009, a comprehensive program to eliminate Fats, Oils and Grease from the wastewater system was developed. This program includes a Memorandum of Agreement on enforcement among the localities and HRSD, a model local ordinance, a comprehensive educational program and training for the food service and grease hauler industries. During FY 2010, EPA entered into a Consent Decree with HRSD, which is similar to the State Consent Order. During FY 2012, HRSD and the localities began considering regional consolidation of sewer system assets as a potentially cost-effective strategy to comply with the Consent Decree and Order. This consolidation study was conducted in FY 2013 and will be finalized in August 2013.

### **Highlight #19:**

The Hampton Roads region has been proactively involved in the state's efforts to **develop water supply planning and permitting policy and regulations**. The region's efforts to work with the state have been highlighted in the last several Annual Reports. During FY 2012, **the Hampton Roads Water Supply Plan was completed**. This is the first comprehensive review of water systems in the region. DEQ has previously voiced frustration in understanding the interconnectedness and water contracts within the region. This plan explains how the systems work together and summarizes all the contracts in the region. Following consideration by the HRPDC and the 27 participating localities, the approved plan was submitted to DEQ in November 2011.

### **Highlight #20:**

The HRPDC took the lead in organizing the **Hampton Roads Loan Fund Partnership (HRLFP)**, one of fourteen regional partnerships participating in the DHCD/VHDA Single Family Regional Loan Fund initiative. The HRPDC continues to

