

Hampton Roads Planning District Commission

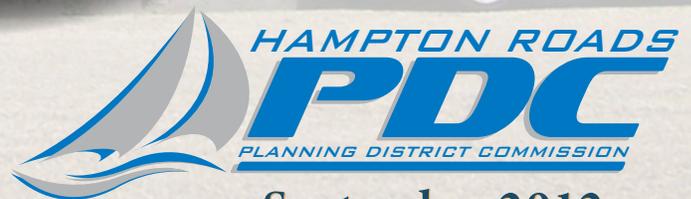
Annual Report

To the Department of Housing
and Community Development

FY 2011 - 2012



PEP12-09



HAMPTON ROADS
PDC
PLANNING DISTRICT COMMISSION

September 2012

HAMPTON ROADS PLANNING DISTRICT COMMISSION

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**HAMPTON ROADS PLANNING DISTRICT COMMISSION #23
ANNUAL REPORT JULY 1, 2011 - JUNE 30, 2012**

**This report was included in the HRPDC
Unified Planning Work Program which
was approved by the HRPDC at its
Quarterly Commission Meeting of
April 19, 2012**

**Prepared by the
Hampton Roads Planning District Commission
September 2012**

July 1, 2011 – June 30, 2012

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. Over the past three years, HRPDC staff have worked in concert with the Hampton Roads Partnership (HRP) in developing a regional comprehensive economic development strategy entitled “Vision Hampton Roads”. HRPDC staff has served on several committees and subcommittees evaluating tools for implementation of the Vision plan. In addition, the HRPDC produced a report in July, 2011 on regional competitiveness, which has since been used to provide direction to the Hampton Roads Partnership’s strategic plan. 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**. (195500, 595500, 597300)
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. Upon the approval of the **Hampton Roads 2034 Long-Range Transportation Plan**, the staff of the Hampton Roads Transportation Planning Organization (HRTPO) began working on the next update to the LRTP, which is due in January 2016 and will address transportation needs through 2040. During FY 2012, major accomplishments towards the development of the 2040 LRTP included conducting a research scan of active Transportation Plans prepared by other MPOs and beginning development of the 2040 socioeconomic forecast. (403012, 423012)
3. VDOT has recently established a four phased rural transportation planning process across the state aimed at developing a regional transportation plan for the rural areas of Virginia. Since July 2007, the HRPDC has been preparing a rural transportation plan for the City of Franklin and Southampton County under the guidelines of VDOT’s four phase process. During FY 2012, the HRTPO coordinated with VDOT to produce the **Hampton Roads 2035 Rural Long Range Transportation Plan (RLRTP)** component

of VTrans 2035, the 2035 Statewide Transportation Plan. The RL RTP was approved by the HRTPO Board on January 19, 2012. During FY 2012, The HRTPO staff also assisted Gloucester County in the development of the transportation chapter of its Comprehensive Plan update. (470112)

4. 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 2012, the HRPDC and HRTPO staffs participated in the Hampton Roads Reality Check exercise, sponsored by the local chapter of the Urban Land Institute. Reality Check involved a visioning exercise with over 300 participants to examine desired future development and transportation patterns to accommodate projected population and employment growth. (222000, 226000, 216200)
5. 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. As indicated in the 2011 Annual Report, the draft **Hampton Roads Regional Water Supply Plan** was completed in June 2011. 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. (225100, 225200)
6. 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. The region is pursuing a number of technical evaluations and system repairs as interim steps to completing the required plans. In FY 13, 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. (229000)
7. 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. (195500, 595500)

8. 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. (398700, 398908, 398909, 398910, 398911, 650008, 650009, 650010, 650011) 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. (650108)
9. In February 2012, 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.

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

- Environmental Strategic Planning Initiatives. (222000)
- Regional Water Program. (225000, 225100, 225200, 225500)
- Regional Stormwater Management Program. (227000)
- Coastal Resources Management Program. (216000, 226000)
- Regional Wastewater Program. (229000)
- Regional Environmental Education Program (213500)
- Annual Economic Forecast. (594000)
- Regional Benchmarking Report. (591500)

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. The Hampton Roads Partnership began to change its scope to focus on “economic gardening,” using the HRPDC report on regional competitiveness to support the organization’s change in focus. (591500, 591000, 695400, 596500, 597300)

2. 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. (402212, 402312, 404812, 424812).
3. HRPDC continues to monitor state and federal efforts to implement the Chesapeake Bay Agreement 2000 and related initiatives. These include the Chesapeake Bay Program, state water quality initiatives directed at removal of state waters from the “impaired waters list,” wetlands preservation and restoration plans, development of the **Chesapeake Bay TMDL and associated Watershed Implementation Plan** and the Governor’s Land Conservation Initiative. 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. (Various Tasks)
4. Databases and spreadsheets for tracking the region’s progress in achieving a variety of environmental and resource management goals are being developed. They include wastewater discharge permits, wetlands and other shoreline management permits, solid and hazardous wastes, sanitary sewer overflows and stormwater data. (Various Tasks)
5. Several functional plans that will become components of the regional strategic plan are underway through the HRPDC Directors of Utilities, Regional Stormwater Management and Hampton Roads Chesapeake Bay Committees. These planning efforts continue to focus on satisfying state and federal regulatory requirements. Long-range plans are being developed to ensure the provision of adequate infrastructure to support the region’s strategic plan. They include wastewater system capacity, long-term water supply planning and stormwater management and are being accomplished under the auspices of regional Memoranda of Agreement in the areas of stormwater management, water supply planning and sanitary sewer overflow remediation. A regional green infrastructure plan has been completed. (Various Tasks)
6. In carrying out the recommendations of the **Hampton Roads Joint Land Use Study**, completed in 2005 in cooperation with the Cities of Chesapeake, Norfolk and Virginia Beach, the HRPDC continues to facilitate efforts to implement the recommended land

acquisition strategy. Implementation of the strategy depends on the availability of funding. The U.S. Navy and the cities of Chesapeake and Virginia Beach have been successful in obtaining land acquisition funds. In December 2010, the HRPDC facilitated an update to the **Hampton Roads Joint Land Study** map and public information to reflect an updated Navy noise and crash hazard study for Chambers Field in Norfolk. (222000)

7. 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. (650508, 650509, 650510)
8. 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. (Various Tasks)
9. During FY 2012, 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. (Various Tasks)

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 December, 2011, the HRTPO released the 2011 Update of the General Crash Data and Trends portion of the Regional Safety Study, a comprehensive analysis of highway safety in Hampton Roads. The 2011 Update includes an analysis of crashes, injuries, and fatalities on a regional and jurisdictional level. In June, 2012, the HRTPO released the update of the State of Transportation in Hampton Roads Report , which details the current status of all facets of the transportation system in Hampton Roads, including air, rail, water, and highways. Aspects of the highway system that are highlighted include: roadway usage, bridge conditions, costs of congestion, commuting characteristics, roadway, safety, truck data, transit usage, bicycle and pedestrian facilities, highway funding, and operations. The CMP is an ongoing program in which congestion in the multi-modal regional transportation system is evaluated and for which improvements are recommended. The main goals of the CMP are to reduce congestion/travel time delays, encourage the use of alternative modes of transportation, and improve air quality through the promotion and coordination of congestion mitigation strategies. 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. (402212, 422212)
2. In September, 2011, the HRTPO released the **Military Transportation Needs Study - Highway Network** Analysis, initiated in FY 2011, to determine Military Transportation Needs and to provide an efficient and safe transportation network for the military in Hampton Roads. The study identified a regional roadway network labeled "Roadways Serving the Military in Hampton Roads" that includes the Strategic Highway Network (STRAHNET) routes in Hampton Roads as well as non-STRAHNET roadways to and from additional military sites and intermodal facilities supporting the local military. This roadway network was then examined to determine deficient locations such as congested segments, deficient bridges, and inadequate geometrics. This study also identified existing programmed, planned, or candidate transportation projects in Hampton Roads that are important to the military. During FY 2012, the HRTPO initiated the **Military Transportation Needs Study - Military Commuter Survey** which provides results from the Hampton Roads Military Commuter Survey conducted from November, 2011 to February, 2012. 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. The study will be released in September, 2012. (402212, 422212)

3. During FY 2011, the HRTPO initiated a study to evaluate the impact that roadway congestion has on the competitiveness of the Port of Virginia. Trucks that serve the Port of Virginia contribute to the congestion levels experienced throughout the region, and in turn the competitiveness of the Port of Virginia is affected by roadway congestion in Hampton Roads. One possible solution to bypass the congestion and make the Port of Virginia more competitive is an inland port to the west of the congested areas of Hampton Roads. This study, which was released in September 2011, examines the impacts that a hypothetical inland port in Hampton Roads would have on roadway travel and congestion, both today and in the future, throughout Hampton Roads. (402012, 422012)
4. 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**. The Phase 2A study tasks will assemble and collect the appropriate databases required for the analysis of the market, routes, technology, and environmental conditions for a Service Development Plan, and other analysis needed to apply for the US Department of Transportation (USDOT) FRA passenger rail project funding. (403712, 423712)
5. During FY 2012, the HRTPO utilized travel time and speed data for the year 2010 purchased by VDOT to evaluate the extent of roadway congestion in Hampton Roads. The **Hampton Roads Regional Travel Time/Speed Study**, released in April, 2012, provides a detailed analysis of travel times and speeds, congestion levels and durations, and delays on 1300 miles of roadway throughout Hampton Roads. (402212)
6. In response to Virginia HB30, the HRTPO developed a list of Regional Performance Measures during FY 2011 which were approved by the Commonwealth Transportation Board (CTB) in June, 2011. The CTB also set a May 30, 2012 date for targets to be developed for each of the HRTPO Regional Performance Measures. In April, 2012, the HRTPO approved a report

documenting the historical values and current targets for the approximately 70 Hampton Roads Regional Performance Measures. (405012)

7. In 1995, Hampton Roads Transit (HRT) established a Transportation Demand Management service for Hampton Roads called TRAFFIX. TRAFFIX aims to reduce traffic congestion by reducing the number of single occupancy vehicles commuting to work. The performance of TRAFFIX is monitored by the TRAFFIX Oversight Committee (TOS) which requested more detailed information into the status of TRAFFIX programs and how TRAFFIX is spending the HRTPO allocated funding. During FY 2012, the HRTPO developed a report that defines and tabulates a comprehensive set of performance measures for TRAFFIX, covering the actions of TRAFFIX, the outcomes of TRAFFIX programs, and the annual TRAFFIX budget. (402212, 422212)
8. 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. The program is annually funded by each of the local jurisdictions. (398000)
9. During FY 2012, the HRPDC staff continued efforts to increase awareness and promote preparedness with vulnerable and special needs populations in the Hampton Roads area. After a survey and assessment of the previous year's progress, HRPDC staff is targeting outreach to those organizations that work directly with these populations. In addition, staff is working with the Regional Planning Council to better identify and plan outreach strategies to the homeless population prior to, during and after an emergency. This initiative is being accomplished in coordination with the Regional Catastrophic Preparedness Grant Programs (RCPGP) initiative to maximize efforts for the region. The RCPGP utilizes information derived from the Special Needs Subcommittee to further previous efforts by implementing new guidance and capabilities instituted by the Federal Emergency Management Agency (FEMA). (398000)
10. The **Special Needs Subcommittee** continues to expand and refine the registry of individuals with special needs at www.hrspecialneeds.org. Following Hurricane Irene, several modifications were made to the website. The website is now also part of ReadyHamptonRoad.org, as part of a more inclusive and comprehensive outreach strategy. (398000, 650509, 650511)
11. 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. (650309)

12. The annual **Regional Healthcare Organizations Emergency Preparedness Seminars** (HOEPS) program (<http://hoeps.org>) is developed and coordinated by 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 hospitals, assisted living facilities, nursing homes, dialysis centers, group homes, home health agencies, and other pre-identified healthcare groups as needed. (398000, 398910-80114)
13. The HRPDC continues to support **Regional Debris Management** and the effectiveness of the regional debris reduction and removal contracts. Rewriting of the RFP and current contracts that expire in 2013 has begun by a regional workgroup composed of local/regional and state representatives. The creation of a regional monitoring contract that embraces an automated debris management system is an additional goal posited by the workgroup for the years 2013-2018 as well. Regional Debris Management contract support will continue as needed to keep Hampton Roads at the forefront of debris management. (398000)
14. In FY 2012, HRPDC staff is transitioning <http://ReadyHamptonRoads.org> to be the comprehensive preparedness resource for the region. In addition to comprehensive and inclusive public outreach, professional sites currently managed by HRPDC and others are being consolidated (remtac.org, hruasi.org, hremc.org, plepc.org, virginia1st.org, hresmc.org etc.). This will increase efficiency and allow for better coordination among organizations in the region through a single portal. (398000)
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. (398000, 650509)
16. The HRPDC Emergency Management staff continues to expand support for mitigation planning throughout the region. The HRPDC facilitated updates to the South Hampton Roads, City of Franklin, and Southampton County Hazard Mitigation Plans. Staff has supported the planning process for updating the Peninsula Hazard Mitigation Plan. All of these plans were updated in FY 2011 approved by FEMA and adopted in FY 2012. In FY 2012 HRPDC staff also applied for grant funds to update Poquoson's mitigation plan. A consolidated Hampton Roads mitigation plan is being explored for the future. (398000, 630100, 630102)

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. (398000)
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. (398000)
19. In FY 2012, 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. (398000, 650008, 650009, 650010, 650011)
20. The **Hampton Roads Metropolitan Medical Response System (HRMMRS)** has been ongoing since August 1999. The first five deliverables have been completed. (398300, 398400, 398500, 398600, 398805, 398907) Funding grants for FY 2008, FY 2009, FY 2010, and FY 2011 (398908, 398909, 398910, 398911) 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. (398700)
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. (225000, 225300)
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. (227000)

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 study of the feasibility of developing a regional system of grit and grease disposal facilities was completed in the spring of 2003. The facility to serve Southside Hampton Roads opened in 2010. A Peninsula facility is now being developed by HRSD. 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 2011, 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. (229000)
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. Permit review and negotiations have continued for the past five (5) years. This effort is now expected to be concluded following EPA approval of the **State’s Chesapeake Bay Watershed Implementation Plan**. The HRPDC is preparing several components of the Annual Reports for these six localities. (227000)
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 HRPDC is preparing substantial portions of their Annual Reports. (227000)
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 FY2011, 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. HRPDC staff is working with the researchers to develop a Final Study report, which will be published at the end of Calendar Year 2012. (292500)

27. Hampton Roads Joint Land Use Study (JLUS). The HRPDC, on behalf of and in cooperation with the cities of Chesapeake, Norfolk and Virginia Beach and the U.S. Navy, coordinated the conduct of the **Hampton Roads Joint Land Use Study (JLUS)**, during FY 2005. This study addressed land use issues associated with the operation of Naval Air Station (NAS) Oceana, Naval Auxiliary Landing Field (NALF) Fentress and Chambers Field (formerly Naval Air Station Norfolk). Each of these three airport facilities is impacted to some degree by encroachment resulting from residential and commercial development. The Hampton Roads Joint Land Use Study Map and associated public information was revised in December 2010. A formal review and update of the JLUS is expected to be undertaken during FY 2013. (222000)
28. 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. During FY 2012, the HRPDC updated the **Regional Solid Waste Management Plan for Southeastern Virginia**. The HRPDC staff also completed 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. It is expected that the request will be approved early in FY 2013. (222100, 209700, 219700)
29. 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. (591000, 591500)
30. During FY 2012, the HRPDC completed the **third phase of a comprehensive examination of Climate Change** and its potential impacts on Hampton Roads. This phase involved research into the potential impacts of sea level rise on the region and potential adaptation and mitigation strategies. The HRPDC is working with a number of academic and consultant researchers, representing Old

Dominion University, the Virginia Institute of Marine Science and the University of Virginia, to ensure that ongoing research work will support the region's efforts. At its February 2010 Retreat, the HRPDC placed a high priority on the issue of climate change and sea level rise. The HRPDC staff continues to provide community briefings on the topic and to ensure that appropriate research is presented to the Commission for its consideration. (216200, 226200)

31. The HRPDC staff continues in the development of a **Regional Housing Service Portal** for the Hampton Roads Planning District service area. There are numerous housing related organizations in Hampton Roads that provide varied downpayment/closing cost assistance, first-time homebuyer education, foreclosure prevention, rental counseling, and housing services for persons with disabilities. 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, foreclosure prevention and various other programs and services related to housing. (300700)
32. During FY 11, the HRPDC staff kicked off a multi-year project, in cooperation with the Directors of Utilities Committee, to conduct a **Water Supply Assessment and Emergency Response Training Project**. The overall objective of this project is 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 12 as part of the project. (225200, 650310)
33. During FY 2012, the HRPDC began development of a website and associated mapping to support the multi-state Southeast Coast Saltwater Paddling Trail. This is a cooperative venture among the States of Georgia, North Carolina, South Carolina and Virginia, the National Park Service and the HRPDC. (222700)

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. This past year, HRPDC enabled the Hampton Roads Economic Development Alliance (HREDA) to purchase a secondary users license for the REMI Model, allowing HREDA full access to the model at a substantially discounted price. (593000, 595500)

2. Each January, the HRPDC Economics staff generates an **annual economic forecast**. Among the variables projected are gross regional product, civilian employment, unemployment, retail sales, auto sales and home sales. 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. (594000)
3. The HRTPO continued to provide local jurisdictions with technical assistance on critical transportation issues. During FY 2012, this technical assistance included providing transportation data and analysis to several localities. (402012, 422012)
4. **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. (225000, 225100, 225200, 225500)
5. 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 mini-grant 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 program 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. (Various Tasks)

6. **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. (227000)
7. **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 2011, the Committee continued to devote considerable effort to developing a regional water supply plan to comply with the state's water supply planning and permitting requirements, and to developing and implementing programs to respond to sanitary sewer overflow requirements. The Committee continues to address legislative and regulatory issues and has completed an initial assessment to build a regional infrastructure security program. (Various Tasks)
8. **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. (225000)
9. **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. In addition, through the Hampton Roads Chesapeake Bay Committee, the HRPDC coordinates

local responses to the Chesapeake Bay Preservation Act (CBPA). (216000, 226000 219400, 229400)

10. The HRPDC focused on assisting the region in responding to the Chesapeake **Bay TMDL and Virginia Watershed Implementation Plan (WIP)**. The HRPDC staff reviewed the state's draft Phase II WIP and explained how the Bay model accounts for nutrient reductions. HRPDC staff facilitated a regional steering committee, representing the localities and key government agencies, that shared technical information on TMDL strategies, provided a forum for state representatives to deliver updates and answer questions, and worked to develop a regional strategy for achieving the necessary nutrient reductions. The HRPDC assisted the state with the Phase II WIP process by coordinating the regional input. (Various Tasks)
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, water supply planning, stormwater management, groundwater management and the Chesapeake Bay TMDL Stakeholder Advisory Group. (Various Tasks)
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. (Various Tasks)
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. (595500)

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. (398700, 398908, 398909, 398910, 398911, 650007, 650008, 650510)
15. **The Healthcare Organization Emergency Preparedness Seminars** were jointly funded by MMRS and the HRPDC to increase preparedness and resiliency in the healthcare community. (398000, 398910-80114)
16. **Regional Debris Management** efforts are expanding to include monitoring contracts as well as more flexible pricing to include less catastrophic yet more often occurring events such as nor'easters and isolated tornado events. An HRPDC-facilitated Debris Workgroup is comprised largely of local public works representatives. The option of a regional debris management plan that will satisfy FEMA requirements is being explored in order to save 5% on the local match in case of a declared disaster. (398000)
17. The ultimate creation of the **Regional Housing Portal** 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. (300700)
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. It is expected that this effort will continue during FY 2013. (219700, 222100)

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. (222100)
20. In 2010, the HRPDC assumed responsibility for the **annual recycling rate reporting** to the state, on behalf of the Southside Hampton Roads localities. (222100)
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. (Various Tasks)

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)**. (401012, 402012, 422012, 422212)
2. The HRTPO staff continues to staff and coordinate all activities relating to the **Hampton Roads Transportation Operations Subcommittee (HRTO)**. (402212)
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. (670000)
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**. (398000, 402012)
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. (398000, 650008, 650009, 650010, 650011)

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. (398000)
7. The HRPDC Emergency Management staff continues to foster a relationship with the Hampton Roads Society of American Military Engineers Readiness and Homeland Security Committee in an effort to coordinate homeland security critical infrastructure and key resources planning efforts. (398000)
8. The HRPDC Emergency Management department supports a **state homeland security credentialing initiative** in cooperation with the Governor's Office of Veterans Affairs and Homeland Security. The initiative involves developing and implementing a credentialing program for First Responders in Hampton Roads utilizing a "First Responder Authentication Credential" identification card. The HRPDC has also taken on the role of administrative and fiduciary agent for this initiative. (398000, 630008, 630009)
9. 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. (398000)
10. 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 (MTRU). 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. (398000)

11. 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. (398000, 650910)
12. 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 from the 18 public and private sectors identified in the National Infrastructure Protection Plan (NIPP). (398000, 630309)
13. The HRPDC and the Virginia Department of Emergency Management hosted the third annual **Hampton Roads Chief Administrative Officer (CAO) Tabletop Exercise (TTX)**. The TTX was a facilitated, discussion-based exercise designed to engage participants in activities focused on one week post-landfall transitioning into long-term recovery from a category 3 hurricane in the Hampton Roads region of Virginia. Players included the CAOs whose jurisdictions are members of the HRPDC, their designated deputies, and emergency coordinators. Issues associated with long term recovery such as long-term housing, economic and community recovery were the focus of discussion. (398000)
14. 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. (195500)
15. The **Hampton Roads Chief Administrative Officers** meet monthly to discuss the regional agenda. The HRPDC staffs and provides research and analysis to these efforts. (195500)
16. 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. (224000, 224100, 224300)

- **HR STORM** - regional stormwater management education program, representing the sixteen localities, VDOT, HRSD and the HRPDC. (227100, 227200)
- **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. (229500, 229600)
- **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. (299200, 209200, 219200, 229200)

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. (Various Tasks)

17. 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. The HRPDC staff also coordinates the Phase II Subcommittee for the six localities governed by the state Phase II stormwater regulations. In addition, the HRPDC staff supports the Stormwater Legal Team. (227000)
- **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. (216000, 226000)
- **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. To address these issues, the HRPDC staff also facilitates

and provides technical support to various subcommittees as they are established to address specific issues. (225000, 225100, 225200, 229000)

- **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. (Various Tasks)
 - **Chesapeake Bay TMDL Steering Committee**, consisting of senior staff from the region's localities, Soil and Water Conservation District, HRSD, and the military. Staff from various state and federal agencies participate as ad hoc members to provide technical support to the Steering Committee. (Various Tasks)
 - 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. (Various Tasks)
18. 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 2012. (Various Tasks)
 19. 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. (Various Tasks)
 20. 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. (Various Tasks)

21. 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. (219400, 229400)
22. 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 recently assisted in the redesign of the organization's website and other marketing materials. (300100)
23. 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. (300100)
24. 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 led the group in its strategic planning efforts in 2011 and continues to assist in planning and execution of ongoing events. (302000)
25. The HRPDC continues to support the **Hampton Roads Housing Consortium** and assisted with a regional symposium on "affordable housing." This event provided housing updates on federal and state initiatives, local and regional programs and services, as well as a snapshot of the current economic climate in the region. The event was open to the region. The HRPDC staff was instrumental in coordination, marketing and execution of this event. (300100)

26. 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. (398700, 398908, 398909, 398910, 398911)
27. The staff is working with a **Regional Housing Portal** 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. (300700)

D. Implement services upon request of local governments.

To date, HRPDC has not been requested by its local governments to implement services. However, 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 serve as a technical resource local and regional panels, advisory groups and boards. (195500, 595500)
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. (Various Tasks)
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. (Various Tasks)

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. The HRLFP is managed by a Steering Committee representing the member communities with the HRPDC acting as Regional Administrator and fiscal agent. In light of the housing market and economy, the HRPDC staff worked on new initiatives to promote the program and increase its usage. (300400, 300500)
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. (227000, 229000)
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. (398000, 650008, 650009, 650010, 650011)
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. (398000, 650508, 650510,650711)

8. In September 2010, the **Hampton Roads Urban Areas Security Initiative (UASI)** region kicked off phase II of the regional target capability assessment (TCA). The purpose of the project is to assess the region against an additional 13 Department of Homeland Security target capabilities over a one year period. Since the initial kickoff the TCA has accomplished the project's objectives. The objective accomplished was the establishment of regional targets for each of the 14 target capabilities in the areas of planning, organization, training and equipment. The purpose of establishing the targets was to create the framework from which data collected throughout the TCA process would be evaluated against. To ensure a comprehensive and relevant list of regional targets, subject matter experts from each of the jurisdictions reviewed the 14 target capabilities and established the regional targets. The next objective accomplished was the subject matter expert workshops. The workshops were a one-on-one opportunity for jurisdictional representatives to discuss their capabilities as it relates to planning, organization, exercise, and training. Information collected during the workshops was used to create a regional perspective that will be evaluated using the regional targets. Finally, the results of these studies were incorporated into the update of the **Hampton Roads Homeland Security Strategy** that was promulgated in FY 2012. (398000, 650108)
9. 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: planning, equipment, training and exercises. 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. (398700)
10. At the request of local government, **Regional Hazard Mitigation Planning** support was provided by HRPDC Emergency Management staff for updating three local and/or regional Hazard Mitigation Plans (Southside Hampton Roads, Southampton County, and the City of Franklin). Staff support consisted of supporting localities and contractors/consultants selected by localities to perform hazard mitigation planning by providing supporting research, subject matter expertise, plan writing, and review of plans with the localities emergency management representatives and planning departments. Staff will continue to provide assistance with:
 - 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. (398000, 630100, 630102)

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. (593000, 594000, 595500, 596500)
2. The HRTPO continues to provide local jurisdictions with technical assistance on critical transportation issues. (402012, 422012)
3. During FY 2012, the HRTPO staff assisted James City County, Williamsburg, and York County officials with the transportation sections of their Comprehensive Plans. Because of the link between these communities, James City County, Williamsburg, and York County coordinated the timing of their Comprehensive Plan updates, with all three jurisdictions updating their Comprehensive Plans in FY 2012. The **James City County/Williamsburg/York County Comprehensive Transportation Study**, released in March, 2012, examined both the current and future conditions for the following transportation modes in each jurisdiction: Highway, Public Transportation, Intercity Rail, Bicycle and Pedestrian, and Air Travel. (410112)
4. 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. (Various Tasks)
5. 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. (221000, 222000, 216000, 226000)

6. During FY 2012, the HRPDC staff pursued, under contract with the localities, a number of studies including:
 - **Gloucester County Comprehensive Plan.** (291100)
 - **Back and Poquoson Rivers TMDL Implementation Plan.** (298202)
 - **Mill and Powhatan Creeks TMDL Implementation Plan.** (298208)
 - **Nansemond River TMDL Implementation Plan.** (298201, 298202)
 - **Williamsburg Comprehensive Plan.** (221100)
 - **Franklin Comprehensive Plan.** (221200)
7. 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), utility and regulatory issues (Surry), and military base encroachment (Hampton JLUS). (221000, 216000, 226000)
8. During the Fiscal Year, 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. (221000, 222000)
9. 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. (225000)
10. **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. (216000, 226000)
11. 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. (221000, 840000, 860000) 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.

12. 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. (Various Tasks)
13. The HRPDC routinely collects and disseminates 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. (300100)
14. The HRPDC staff manages the **Hampton Roads Mayors and Chairs Caucus** and the **Hampton Roads Chief Administrative Officers'** process. (195500)

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. (398700, 398908, 398909, 398910, 398911, 650008, 650009, 650010, 650011)
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. (398700, 398908, 398909, 398910, 398911)
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. (398700, 398908, 398909, 398910, 398911)

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. (398000, 398700)
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. (650008, 650009, 650010, 650011, 630008, 630009, 630309)
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. (398000, 650008, 650508, 650009, 650509, 650010, 650510, 650011)
7. HRPDC helped the State with the **Phase II WIP** process by coordinating the regional input. HRPDC has provided guidance to localities and created a Regional Steering Committee for the Chesapeake Bay TMDL (Various Tasks)
8. **COE Studies.** The HRPDC, as noted above, plays a leadership role on technical and policy committees for a number of studies being undertaken by the U.S. Army Corps of Engineers – Elizabeth River Restoration, Craney Island Expansion, and Currituck Sound Restoration. (Various Tasks)
9. 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. (Various Tasks)

10. 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. (Various Tasks)

11. During FY 2012, the HRPDC began 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. (226000, 222500)

12. 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. (Various Tasks)
 - Chesapeake Bay Program Urban Stormwater 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 Rail Advisory Board
 - VTRANS 2035 Technical Advisory Committee
 - State Operations Research Advisory Committee
 - Association of Metropolitan Planning Organizations (AMPO) Policy Committee
 - AMPO Technical Committee
 - National Cooperative Highway Research Program (NCHRP) panel for project on "Estimating Bicycling and Walking for Planning and Project Development"
 - Transportation Research Board (TRB) Multimodal Statewide Planning Committee
 - Transportation Research Board (TRB) Transportation History Committee
 - Hampton University Transportation Steering 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 NPDES Regulations for Pesticides

- DEQ, Regulatory Advisory Panel on Groundwater Recharge
- 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 cognizant 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 2012, the HRPDC staff reviewed approximately thirty-one (31) PNRS items and approximately fifty-three (53) EIA/EISs. (Various Tasks)

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. (401012)

2. During FY 2012, the HRTPO continued to partner with the Transportation District Commission of Hampton Roads and Williamsburg Area Transit Authority in the maintenance of the **Hampton Roads Area Public Transit – Human Services Transportation Coordinated Plan** developed in FY 2008 in response to federal legislation that identifies three funding programs under the Federal Transit Administration that require projects selected to be derived from a locally developed, coordinated public transit-human services transportation plan. HRTPO staff also participated in the project selection process for projects to be funded in accordance with requirements of the **Coordinated Plan**. (423212)
3. 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**. (Various Tasks)
4. The **Hampton Roads Sanitation District (HRSD)** is a public utility created to provide regional wastewater treatment. Regional planning efforts have encouraged the expansion of its service areas so that at present, Hampton Roads is the only area in the state where water quality is enhanced by having one regional system of inter-connected wastewater treatment facilities. The system has resulted in the virtual elimination of all small inefficient public and private discharges to receiving streams. 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 will manage 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.(221000, 229000)
5. 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. (221000, 398000) 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. (221000, 222100, 209700, 219700)

6. The work of the Directors of Utilities Committee on regional water supply planning and sanitary sewer overflow issues will lead to development of regional functional plans for water supply and wastewater management. To guide these efforts, **Memoranda of Agreement** addressing water supply and sanitary sewer overflows were executed during FY 2007. The Regional Water Supply Plan was completed and approved by the twenty-seven (27) participating localities and the HRPDC during FY 2012. (Various Tasks)
7. Inmate Evacuation Planning continues at the request of the **Hampton Roads Inmate Evacuation Planning Committee (HRIECP)**. In FY2011 HRPDC staff, utilizing FY2010 UASI funds facilitated the development of a “functional jail assessment” designed to identify both the strengths and areas of improvement regarding evacuation and shelter-in-place planning at the local and regional jails. Once completed in December 2012, the assessment will better inform ongoing HRIECP planning initiatives that lack the data needed to be practically operationalized. (398000, 650910)

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. (402212)
2. HRTPO staff continues to participate in the review of proposals **for Hampton Roads Public-Private Partnership projects** involving **Route 460**, the **HRBT** and the **Midtown Tunnel**. (402012, 422012)
3. The HRTPO continues to support VDOT in the development of **VTRANS 2035**. (402012, 422012, 470112)
4. The HRPDC staff works closely with **the Governor’s Office of Veterans Affairs and Homeland Security** on a variety of initiatives to enhance regional preparedness to respond to potential disasters. On an annual basis, the HRPDC staff and the Governor’s Office work with the Virginia Department of Emergency Management and the REMTAC to conduct the Hampton Roads Chief Administrative Officer (CAO) Tabletop Exercise.

5. 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. (398000, 404512)
6. 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. Through an ongoing DEQ regulatory initiative, integration of the new Coastal Plain Model into the state's regulatory process is being evaluated. HRPDC funded studies and monitoring data continue to be used to support the state's regulatory program. (225000, 225300)
7. The Hampton Roads Watershed Roundtable and 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 2012 has been on the development of the **Chesapeake Bay TMDL and the associated Virginia Watershed Implementation Plan**. (Various Tasks)
8. The staff continues to participate in the ongoing refinement of the **Virginia Coastal Program**. During FY 2012, this included extensive participation in studies related to working waterfronts, climate change, blue-green infrastructure and water quality issues associated with land use and development. (216000, 226000)
9. 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 2012, 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. (227000)

10. 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 and 2012, the HRPDC has served on the **State Water Supply Plan Advisory Committee**, convened by DEQ in response to a 2011 General Assembly Resolution. (225100, 225200)
11. The region maintains an active involvement in state and federal regulatory initiatives. During FY 2012, these efforts focused on the state stormwater management regulations and the Chesapeake Bay TMDL and WIP. (Various Tasks)
12. 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 2012, 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, wetlands compensation, Total Maximum Daily Load (TMDL) planning, energy studies, climate change and others with the Committee. (227000, 222000, 216000, 226000)
13. 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. (225100)

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. (222000, 402212)

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. (222000, 402212)
3. The HRPDC plays an active role in the **Hampton Roads GIS Users Group** and the **VAPDC GIS/Technology Committee**. (Various Tasks)
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. (216000, 226000)
5. As part of the **Regional Water Supply Plan**, more than a dozen GIS data sets were developed, including source waters, service areas for public water systems and locations of significant self-supplied users. (225100, 225200, 225500)
6. The HRPDC continues its efforts to develop readily accessible and comprehensive environmental information on environmental conditions and permit issues for the Hampton Roads region. (211000, 212000)
7. A comprehensive GIS was previously developed for the **Southern Watershed** of Chesapeake and Virginia Beach. The staff continues to maintain the GIS coverages and work with the localities and others to ensure that the coverages are used to support local and state planning projects. GIS data for the adjacent North Carolina counties has been incorporated. This information has been used by a number of local, state and federal agencies in planning studies, environmental documents and in land acquisition proposals. The most recent application and updating was in the 2010 **Northwest River Watershed Management Plan** developed by the HRPDC for the City of Chesapeake. (222000, 216000, 226000)
8. Through the **Stormwater Loading Study**, the HRPDC developed comprehensive GIS data layers, encompassing land use, watershed boundaries and stormwater management facility locations, for the Cities of Chesapeake, Hampton, Newport News, Norfolk, Portsmouth and Virginia Beach. This information was last updated in 2008 pending resolution of reporting questions associated with new state stormwater management regulations and the Chesapeake Bay TMDL. Further work is on hold pending resolution of these issues and exploration of improved approaches by both the state and region. All twelve localities with MS4 Permits participated in the development of the web-based **Permit Administration and Reporting System (PARS)**, which will further enhance the stormwater database, while allowing the localities to comply with state stormwater reporting requirements. (227000)

9. 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. (222000)
10. A web-based **reporting system for sanitary sewer overflows** was developed during FY 2005. Now being implemented by the region's localities and HRSD, in cooperation with the HRPDC and the DEQ, this system is resulting in development of additional GIS data layers and associated attribute data. (229000)
11. Through the **Hampton Roads Green Infrastructure Plan**, comprehensive GIS coverage of environmental and land use data was developed for the entire region. (222000, 216000, 226000)
12. Through a project with the Department of Historic Resources, the HRPDC developed and updated **GIS data layers on the region's archaeological and architectural resources**. This included extensive digitizing of paper files maintained by the HDR. Phase I was completed in FY 2008. Phase II of the effort was completed in FY 2010. The HRPDC continues to maintain this regional database. (222000)

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 publishes an annual **Hampton Roads Data Book**, which contains approximately 200 pages of economic and demographic data for all of the local governments in the region. In addition, the Commission maintains a computerized database covering socioeconomic data. This database contains information on the cities and counties within the PDC 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 84 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. (591000, 591500)
2. Hampton Roads' citizens, businesses, developers, and consultants request a variety of data and reports on the region and rely on the HRPDC as a regional source for data and statistics on Hampton Roads. The HRPDC maintains a database with all current demographic data on the region, as released by the U.S. Census Bureau, to respond to these inquiries. General, social, economic and housing profiles for each city and county are maintained on the HRPDC website for use by the public and are updated as new data is released. (595500)

3. 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. (221000, 222000, 216000, 226000)

4. 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. (222000)

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

Highlight #1:

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 2012, the HRTPO initiated 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. The study will be released in September, 2012. (402212, 422212)

Highlight #2:

The HRTPO, in partnership with local, state, federal, military, freight, transit, and citizen stakeholders, has drafted the **Hampton Roads 2034 Long-Range Transportation Plan**, the transportation blueprint for the region for the next 20 years. These key stakeholders actively worked together to identify, prioritize, and seek transportation funding in order to develop a long-term investment framework for addressing the region’s transportation and associated challenges. The development of the **Hampton Roads 2034 Long-Range Transportation Plan** (2034 LRTP) was a transparent process in which HRTPO staff provided broad-based access to all LRTP related material. This included utilizing the World Wide Web, direct and electronic mail, providing public comment opportunities and draft versions of the LRTP in regional libraries, conducting outreach and partnering with community organizations and existing events, as well as holding public meetings, community events, and dialogues across the region to share information and gain public input on the LRTP. The HRTPO Board

approved and adopted the **Hampton Roads 2034 Long-Range Transportation Plan** on January 19, 2012, the culmination of a four year effort to document the development of the financially constrained 2034 LRTP that identifies the transportation projects planned to be in place in the year 2034 in Hampton Roads. (403012, 423012)

Highlight #3:

During FY 2012, the HRTPO developed and published the **2011-2012 Citizens Guide to Transportation** to reflect current HRTPO programs and policies and guidelines under Federal law. The **2011-2012 Citizens Guide to Transportation** is designed to help citizens gain a better understanding of the transportation process and to outline how they can participate in the decision-making process concerning how their transportation funds are spent in Hampton Roads. The guide also shows who can be contacted for more information and explains some of the technical terms and acronyms used in transportation planning. (404812, 424812)

Highlight #4:

The **Transportation Improvement Program (TIP)** is one of the most important documents produced by a metropolitan planning organization. To further enhance the transparency and user-friendliness of the Hampton Roads FY 2012-2015 TIP, the HRTPO has developed a web-based application for accessing the Hampton Roads FY 2012-2015 TIP. The web application provides the user with several options for obtaining project information. One may click on a project in the Interactive Project Map, search the “live” TIP document, or enter a project’s Universal Project Code (UPC) number into the UPC search engine to jump directly to the Project Summary Sheet. The HRTPO TIP Web Application may be accessed at www.hrtpotip.org. (405012)

Highlight #5

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 2012 General Assembly session, the **HRTPO Board adopted a resolution on October 20, 2011 containing nine 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. (402012, 422012)

Highlight #6

The HRTPO's Freight Transportation Advisory Committee (FTAC) produced an outreach video highlighting the importance of freight movement to the region in December 2011 as part of its mission *"to conduct public outreach activities that help HRTPO efforts to explain and help raise awareness of the importance of freight transportation to the region"*. The outreach video, entitled "A Region United", indicates the importance of freight to the average citizen. This video premiered at the Virginia Freight Transportation Summit on December 6, 2011. The FTAC has distributed the video to a wide audience, including using the video as members speak to various groups, such as Chambers of Commerce, regarding the importance of accommodating the movement of freight. (402312)

Highlight #7

On March 20-22, 2012, the HRTPO participated in a **Certification Review of the transportation planning process for the HRTPO's metropolitan area** conducted by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). Federal law requires the certification of the transportation planning process in urbanized areas over 200,000 population once every four years. The Certification Review is an in depth, documented review intended to determine if a region's transportation planning process is addressing the major issues facing the area in accordance with the applicable federal regulations, and looks at the cooperative planning process as conducted by the State, transit operators and local governments in the area. The results of the Certification Review of the transportation planning process conducted cooperatively by the HRTPO, the State, and local transit operators were presented to the HRTPO Board on June 21, 2012 and included the following highlights. The Federal Team noted 13 Commendations regarding the Hampton Roads transportation planning process, including the restructuring and organization of the HRTPO since the previous Certification Review, the level of staff and leadership cooperation between the MPO and the VDOT District and Central offices, and the quality of the programs and products carried out by the HRTPO. The FHWA and FTA jointly issued a finding that the HRTPO is Certified as meeting the requirements for carrying out the metropolitan transportation planning process for Hampton Roads, noting that the Federal Team is extremely impressed with the MPO reforms that have taken place since the previous Certification Review.(Various HRTPO tasks)

Highlight #8:

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.** (398000, 650009, 650509, 650010, 650510, 650011, 650511)

Highlight #9:

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 hospitals, assisted living facilities, nursing homes, group homes, dialysis centers, and home health care agencies on the Peninsula and South Hampton Roads**. The seminar in FY 2012 was focused on helping these organizations recover successfully from a disaster. They had opportunity to share invaluable experiences and lessons learned from a hospital that evacuated for both Isabel and Irene. (398000, 398910-80114)

Highlight #10:

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. (398000)

Highlight #11:

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. (398000, 650008, 650009, 650010, 650011)

Highlight #12:

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). The HRPDC will continue to support the regional planning efforts associated with this grant and pursue any sustainment funds when made available. (398000)

Highlight #13:

The HRPDC Emergency Management staff implemented a new program and capability for **regional and local hazard mitigation planning** in FY11-12. Four regional and local plans were identified as needing an update to meet FEMA requirements for grant and disaster funding. These plans included the Southside Hampton Roads, Southampton County, The Peninsula, and the City of Franklin Hazard Mitigation Plans. Staff obtained FEMA grants to support and manage the updates to three of the four plans and supported the fourth plan that was managed by the City of Hampton. Staff support consisted of supporting localities and contractors/consultants, providing supporting research, subject matter expertise, plan writing, and review of plans with the localities emergency management representatives, planning departments/commissions, and other pertinent city/county officials. These plans are all now accepted by FEMA, adopted and in place throughout the region to meet federal Pre-Disaster Mitigation funding requirements. (398000, 630100, 630102)

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 \$ 3,288,091 in federal dollars has been awarded between the fall of 1999 and the summer of 2012. (398300, 398400, 398500, 398600, 398700, 398806, 398907, 398908, 398909, 398910, 398911)

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 Committee that has recently proposed a statewide protocol for the approval of proprietary stormwater BMPs. Consistent regional input is coordinated through the HRPDC Regional Stormwater Management Committee. (227000)

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.(Various Tasks)

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. Utilizing grant funds from state and federal sources, the HRPDC staff assisted the localities in development locality plan to be submitted to the state for inclusion in the Phase II WIP. The HRPDC also developed a Regional Plan that included a regional preferred local BMP scenario that provided a similar level of stormwater treatment to the state's Phase I WIP scenario. (Various Tasks)

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 evaluation will continue through FY 2013. (229000)

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 interconnectiveness 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. (225100, 225200, 225500)

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 act as Regional Administrator and fiscal agent for the HRLFP. The HRLFP is the first regional service delivery organization of its kind in Hampton Roads and serves as a model for future initiatives in regional cooperation. Since its establishment in 1997, the program has enabled more than \$42 million in VHDA low

interest first mortgages and approximately \$6.8 million in DHCD down payment and closing cost assistance. The program has also leveraged more than \$17.1 million in other loan and grant funds including Federal Home Loan Bank funding, local land grant programs and Individual Development Account (IDA) programs. As a result of this program, 641 low income households have been able to purchase their first homes. (300400, 300500)

Highlight #21:

In FY112, the HRPDC continued to support the **Virginia Association of Housing Counselors (VAHC)**, a statewide organization consisting of Housing Counselors or those in related fields, who have joined together for the purpose of strengthening housing counseling as a profession and to assure that all low and moderate income families and individuals are offered the opportunity to live in safe, decent and affordable housing. The HRPDC staff supported VAHC's efforts by serving on several committees and creating materials and course criteria for the organization's training and certification modules. (300100)

Highlight #22:

During FY 2012, the HRPDC, with financial support from DEQ, completed the third phase of a multi-phase examination of climate change and its potential impacts on Hampton Roads. The third phase report, entitled **Climate Change in Hampton Roads: Sea Level Rise in Hampton Roads, Virginia**, which summarizes the third and final year of the Hampton Roads Planning District Commission's Climate Change Adaptation project. The Hampton Roads region will be significantly affected by climate change through sea level rise, increases in precipitation, more intense storms, and higher temperatures. The report describes impacts to various sectors, including the built and natural environments, the economy, human health and society, and the water supply. The general descriptions given of these impacts set up the next year's more detailed investigation of specific impact analyses for the region, as well as policy recommendations. The report also includes a section analyzing some of the projected impacts on the region's natural environment, summarizing research and analysis by both HRPDC and a group led by the Virginia Institute of Marine Science. The report also summarizes the meetings held throughout the year focusing on gathering information and input from localities and other stakeholders. (216200)

Highlight #23:

The Hampton Roads Planning District Commission (HRPDC) and Virginia Department of Emergency Management hosted the **2012 Hampton Roads Chief Administrative Officer (CAO) Tabletop Exercise (TTX)**. The TTX was a facilitated, discussion-based exercise designed to engage participants in activities focused on one week post-landfall into long-term recovery from a category 3 hurricane in the Hampton Roads region of Virginia. Players included the CAOs whose jurisdictions are members of the HRPDC, their designated deputies, and emergency coordinators. Activities were divided into three sessions. During the first session, all participants gathered in one room. After welcome and introductions, various speakers presented the process and guidelines to be used in the conduct of the exercise, presentations about previous recovery experiences and current initiatives within the Hampton

Roads region, and the exercise scenario. For the second session, players divided into two geographically based groups—Peninsula and Southside—to discuss issues associated with long term recovery such as long-term housing, economic and community recovery. During this session, players had access to subject matter experts (SMEs) who were on hand to provide technical information in response to questions associated with recovery efforts. Following the group discussion session, players reconvened in plenum to discuss the key issues that each group identified during the second session.

To provide a focused assessment of exercise activities, the focus was on the following Department of Homeland Security target capabilities:

- **Economic and Community Recovery**
- **Restoration of Lifelines**

As the core capabilities offer a broad spectrum of tasks to be conducted during an actual event, the objective of this exercise was to discuss and examine local executive leader understanding of strategic disaster recovery issues related to local, regional, State, and Federal capabilities to recover from a catastrophic weather event. (398000)

Planning District Commission	Assist State		GIS Participation		Data Collection	
		FY12		FY12		FY12
LENOWISCO						
Cumberland Plateau						
Mount Rogers						
New River Valley						
Roanoke Valley-Alleghany						
Central Shenandoah						
Northern Shenandoah Valley						
Northern Virginia						
Rappahannock-Rapidan						
Thomas Jefferson						
Region 2000						
West Piedmont						
Southside						
Commonwealth Regional						
Richmond Regional						
George Washington Regional						
Northern Neck						
Middle Peninsula						
Crater						
Accomack-Northampton						
Hampton Roads	YES - 24		YES		YES	
Totals						