

Hampton Roads Planning District Commission

Annual Report

To the Department of Housing
and Community Development

FY 2009 - 2010



September 2010

HAMPTON ROADS PLANNING DISTRICT COMMISSION

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**HAMPTON ROADS PLANNING DISTRICT COMMISSION #23
ANNUAL REPORT
JULY 1, 2009 - JUNE 30, 2010**

**This report was included in the HRPDC
Unified Planning Work Program which
was approved by the HRPDC at its
Executive Committee Meeting of
June 16, 2010**

**Prepared by the
Hampton Roads Planning District Commission
September 2010**

July 1, 2009 – June 30, 2010

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 has continued to provide data and analytical support to the Hampton Roads Partnership (HRP). The HRPDC regularly communicates with the HRP regarding current activities and actions by local governments in the region and provides data support and analysis to HRP as needed. The HRPDC worked with the HRP and the Council on Virginia's Future to develop **Hampton Roads Performs**, a website that tracks regional performance across a host of indicators. The HRPDC Executive Director serves as an ex-officio member of the Board of the Hampton Roads Partnership. (195500, 595500, 597100)
2. The HRPDC worked with the Hampton Roads Partnership (HRP) to develop a regional Comprehensive Economic Development Strategy (CEDS) for submission to the Economic Development Administration (EDA). The HRP took the lead role, with the HRPDC serving as a partner, to develop a strategic region-wide road map to provide a comprehensive and unified vision for the region's economic future. The HRP and the HRPDC brought together members of local government, the business community, regional non-profit organizations, citizens and numerous stakeholders representing the diverse regional economy. The plan, titled "Vision Hampton Roads" was developed through a fast-paced rigorous process that included an oversight board designated by the EDA, four subcommittees, presentations to local government and a month long process of public outreach and review. Numerous recommendations were developed as a result of Vision Hampton Roads. The recommendations fell under four general categories: defense, ports, tourism, and potential opportunities. The document has since been submitted to the EDA for approval. The complete document is available online at:
[http://www.hrp.org/Site/docs/Publications/Vision Hampton Roads FINAL Document Amended 07-12-10.pdf](http://www.hrp.org/Site/docs/Publications/Vision_Hampton_Roads_FINAL_Document_Amended_07-12-10.pdf). (598300)
3. 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 2030 Long-Range Transportation Plan**, as amended, was approved as satisfying Air Quality Conformity requirements on June 23, 2010 and includes highway, transit, bicycle and pedestrian improvements. Since January 2007, the staff of

the Hampton Roads Transportation Planning Organization (HRTPO) has been working on the next update to the LRTP, which is due in January 2012 and will address transportation needs through 2034. During FY 2010, major accomplishments towards the development of the 2034 LRTP included development of a vision statement and goals, a public survey gauging opinions on transportation, the collection of ideas from the public for candidate projects to be considered, development of a new tool for prioritizing candidate projects, and development of a school outreach program. (403010, 423010, 403110)

4. During FY 2010 the HRTPO, in collaboration with the VDOT on-call consultant, Kimley-Horn, developed a methodology to assist the HRTPO with prioritizing transportation projects according to their technical merits and regional benefits, in light of scarce financial resources. This effort resulted in the development of a tool to evaluate future regional projects with regard to: utility, the ability to solve an existing transportation issue, which could be correlated to congestion, safety, infrastructure condition, or ridership; viability, or the readiness of a project to be constructed based on available funding and completion of regulatory documentation; and economic vitality, the ability of a project to impact regional economic growth through increased capacity and/or increased opportunity. This new project prioritization resource is documented in the **Hampton Roads Transportation Planning Organization Program Priorities Methodology Report** and will initially be used for the region's 2034 Long-Range Transportation Plan to assist in determining what projects to include given limited financial resources. In the longer term, the prioritization tool will assist Hampton Roads with creating the best transportation system possible for the region and improve its mobility and quality of life. (403010, 423010)
5. 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 2010, the HRPDC prepared socioeconomic data by Transportation Analysis Zone for the rural localities of Hampton Roads for input to an expanded travel demand model for the Tidewater Super Region and assisted VDOT's consultant with RLRP analyses of this data as input to the 2035 RLRP. The HRPDC also coordinated with VDOT's consultant regarding public meetings for the RLRP and reviewed the draft text for the 2035 RLRP Final Report for input to the 2035 Statewide Transportation Plan. (470110)
6. 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. Beginning in FY 2011, the HRPDC hopes to revisit this work in a

comprehensive fashion depending upon the availability of funding through the Department of Housing and Urban Development's Sustainable Communities Regional Planning Grant Program. (202000, 296100, 296200, 206200)

7. The HRPDC is working 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. (205100, 205200)
8. 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 and the HRPDC was executed to facilitate implementation of the Regional Order. The resulting plans will become an element of the region's strategic plan. Several other regionally consistent tasks and program components are under development. (209000)
9. 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)
10. The HRPDC continues to work with the Hampton Roads Military and Federal Facilities Alliance (HRMFFA) in establishing a Robot Venture effort – as a partnership between HRMFFA, the Hampton Roads Chapter of the Association of Unmanned Vehicle Systems International (AUVSI), Old Dominion University (ODU), and the National Institute of Aerospace (NIA) - to evolve Hampton Roads into a nationally recognized robotic/unmanned systems center of synergy and innovation with applications in defense, homeland security, civil first response, research, and commercial sectors. (398000)
11. 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, 650008, 650009)
12. In addition to the above, the following planning activities involve a variety of strategic planning elements:

- Environmental Strategic Planning Initiatives. (202000)
- Regional Water Program. (205000, 205100, 205200, 205300)
- Regional Stormwater Management Program. (207000, 207100, 207200, 207500)
- Coastal Resources Management Program. (296000, 206000)
- Regional Wastewater Program. (209000)
- 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 (591500) and in the annual **Hampton Roads Data Book** (591000). 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, *Economic Quarterly*, which provides in-depth discussion of one or two current economic issues and tracks a series of regional economic indicators.
2. The Vision Hampton Roads Plan is still under review by the EDA; however, the HRP has made efforts to bring organizations, leaders, and governments from across the region to discuss means of implementing the plan. HRPDC continues to assist in the development efforts that are taking place providing both leadership and support (591000, 598300).
3. HRTPO continually monitors progress toward meeting the goals and objectives in the 2030 Long-Range Transportation Plan through the Congestion Management Process (402210), Regional Freight Planning (402310), Regional Safety Planning (402410), and Transportation Air Quality Planning (404310).
4. 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. (Various Tasks)
5. Databases for tracking the region’s progress in achieving a variety of environmental and resource management goals are being developed and maintained. They include

wastewater discharge permits (296000, 206000, 209000), wetlands and other shoreline management permits (296000, 206000), ground water use and withdrawal (205000), solid and hazardous wastes (201000), sanitary sewer overflows (209000) and stormwater data (207000). These databases are being integrated with a variety of others to document regional environmental conditions on an annual basis.

6. 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)
7. 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 two cities have been successful in obtaining land acquisition funds. The HRPDC facilitated participation by the Hampton Roads JLUS participants in the national review of the JLUS program, conducted by the National Academy of Public Administration, completed in early 2009. Based on discussions with the localities and the U.S. Navy, a formal review and update of the JLUS will be undertaken during FY 2011. (202000)
8. A Database for tracking the region's special needs populations for emergency planning had been developed and has required further refinement before public release. Initially, this database will focus 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 will be integrated into a web based consequence management application known as WebEOC that will allow local emergency management officials visibility for planning of these populations before, during and after a disaster on a daily basis. (650507, 650508, 650509)
9. House Joint Resolution 155. The HRPDC submitted the second (and final) of two reports to the General Assembly in December 2009. The final report encompassed a review of the emergency responses by the localities of the Hampton Roads region, including responses across jurisdictional lines. The HRPDC took an in-depth look at what would be necessary to facilitate dispatchers' ability to see across jurisdictional lines and to know what responders may be available in neighboring localities. The HRPDC also examined other relevant public safety challenges to accomplish the purpose of the study, including the need for any additional enabling legislation and

issued all appropriate recommendations. In conducting its study, the HRPDC is involving representatives from the fire departments, EMS or rescue departments and police departments of each locality in the region. The report is listed on the General Assembly's website <http://legis.state.va.us> under "Studies and Commissions" (Reports to the General Assembly) as "HD23 - Hampton Roads Automatic Aid Between Emergency Services Part II." (398000)

The HRPDC FY 2011 UPWP describes ongoing and future regional activities to be undertaken by the HRPDC.

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 March 2010, the HRTPO released the biennial update of the General Crash Data and Trends portion of the Regional Safety Study, which used recent data to update the analysis of crashes, injuries, and fatalities on regional and jurisdictional levels, and compared the results with other metropolitan areas as well as statewide and national figures. In addition, the 2010 biennial update of the Hampton Roads Congestion Management Process (CMP) Report was developed primarily in FY 2010 and will be released in early FY 2011. 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. (402210)
2. In November, 2009, the HRTPO released a study entitled **Non-Driver Residential Locations at the Census Block-Level by Vehicle Availability**, the eighth report from a multi-year effort to improve the mobility of non-drivers in Hampton Roads. The Non-Driver Location data are being used in the Regional Catastrophic Preparedness project of Virginia Department of Emergency Management and the data is also available for usage by local government and transit agencies in making transportation and land use decisions affecting non-driver mobility. (410110)
3. 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. The results of this initial passenger rail planning effort are expected to be available in July, 2010. (403010, 423010)
4. During FY 2010 the HRTPO carried out a regional land use research scan to learn how other regions, both domestic and international, engaged in regional land use efforts and documented the findings in the **Regional Land Use Research Scan**. From the knowledge gathered in the scan, a regional land use map will be

developed in FY 2011 by combining the land use designations found in each locality's comprehensive plan, providing a valuable new resource for use in the development of the long-range transportation plan, transit planning, and other projects where land use is a key element. (403310, 423310)

5. The Hampton Roads Emergency Management Planning Program has been in existence since 1997. It was recognized and approved by the localities to insure that the cities, counties and the region were prepared to respond 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).
6. During FY 2010, the HRPDC continued efforts to assess the need to address vulnerable and special populations in the Hampton Roads area. 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 this group's previous efforts by implementing new guidance and capabilities instituted by the Federal Emergency Management Agency (FEMA) (398000).
7. The Special Needs subcommittee continues to use developed parameters to identify and establish medically friendly shelters in the region. Also, the Special Needs subcommittee has developed a website (www.hrspecialneeds.org) with a back-end database which will serve as a special needs registry for the region. A public outreach plan is in development and is expected to be implemented by October 2010 advertising the website and registry (398000, 650507, 650508, 650509).
8. The development of a new Pet Planning subcommittee by 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 (650309).
9. The 4th annual Regional Healthcare Organizations Emergency Preparedness Seminars (HOEPS) was developed and coordinated by the HRPDC staff, the REMTAC subcommittees, 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 was 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).
10. The HRPDC continued to support regional debris management and the monitoring

of the regional debris reduction and removal contracts to ensure compliance with the changes reflected in the FEMA and FHWA policy changes. Regional Debris Management contract support will continue as needed for the current contracts and their subsequent option years out to 2013. The HRPDC staff, along with Southeastern Public Service Authority of Virginia, Virginia Peninsulas Public Service Authority, localities and other subject matter experts updated pricing and any needed revisions prior to hurricane season. Current Virginia Department of Emergency Management (VDEM) debris contracting efforts reflect our contract pricing layout. This helps localities compare pricing and capabilities to best fit their needs (398000).

11. In addition, during FY 2010 the HRPDC staff continued to maintain the secure Regional Emergency Management Technical Advisory Committee (REMTAC) website (www.remtac.org) and is continually monitored for authorized access and updated with new information (398000).
12. 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 continued efforts now reflect the new data from the U.S. Army Corps of Engineers Hurricane Evacuation Study (398000).
13. The HRPDC Emergency Management staff have sought and received multiple training opportunities for professional development in hazard mitigation planning with a goal of providing hazard mitigation support in FY 2010 to localities in Hampton Roads. Pre-Disaster Management grant applications have been developed and submitted to FEMA requesting funding to update the South Hampton Roads, City of Franklin, and Southampton County Hazard Mitigation Plans. Staff has supported the update of the City of Portsmouth's Floodplain Management Plan. Also, staff has supported the planning process for updating the Peninsula Hazard Mitigation Plan. All of these plans will be updated in FY 2011 (3980).
14. 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 SARA Title III (398000).
15. The HRPDC staff initiated the implementation of emergency management planning support to the Virginia Department of Health Regional Emergency Preparedness and Response representative for 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).

16. In FY 2010, under the auspices of the Urban Area Security Initiative (UASI), the Urban Area Work Group (UAWG) is composed of representatives as identified by the Chief Administrative Officers from all sixteen (16). The committee and several subcommittees address topics of regional homeland security importance. The UASI program is funded annually by the Department of Homeland Security. Funds are dedicated toward specific investment justifications that address the unique planning, equipment, training, and exercise needs which assist in building an enhanced and sustainable capacity to prevent, protect against, respond to, and recover from acts of terrorism. The benefits of UASI funding are applied to all sixteen HRPDC localities to promote regional efforts and interoperability. Subsequently in the latter part of FY 2009 and FY 2010, the HRPDC led the FY 2010 UASI grant process for the UAWG for additional funding while implementing and managing the FY 2007, FY 2008, and FY 2009 multi-million dollar process at the regional level (398000, 650007, 650008, 650009).
17. 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 and FY 2009 (398908, 398909) are being completed simultaneously, as will FY 2010 (398910) once official notification is received. Local jurisdictional funding is continuing, and is being used, to sustain this federal initiative to keep the plan, pharmaceutical, equipment, and responder training/exercises current. (398700)
18. Regional Ground Water Management Program. Through this program, the HRPDC conducts technical analyses of the impacts of ground water withdrawal, completes ground water 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 ground water withdrawals on individual, primarily residential wells. Due to above-normal precipitation during 2009, emergency municipal wells were not activated and no individual well impacts were reported. Therefore, no analyses were completed. Efforts are underway to expand this program to include major private sector ground water users. USGS completed its effort to refine and upgrade the USGS/DEQ Ground Water Model of the Coastal Plain. The final report was published during the Fiscal Year. (205000, 205300)
19. 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. Work on the FY 2010 reports is underway. (207000) 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. (207000, 207500)

20. 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 2010, 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. (209000)
21. During FY 2006, the HRPDC facilitated an effort by the region’s six largest communities to develop regionally consistent applications for renewal of their stormwater system 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 four (4) 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. (207000)
22. During FY 2008, the HRPDC coordinated an effort by the region’s six smaller localities, covered by Phase II of the Stormwater Permitting Program to participate in development of new permit regulations, applications by the six localities for their permits, development of their MS4 Program Plans, and associated activities. The HRPDC is preparing substantial portions of their Annual Reports. (207500)
23. Conservation Corridor Study. The HRPDC staff completed a comprehensive update to the Hampton Roads Green Infrastructure (Conservation Corridor) Plan in FY 2010. The HRPDC staff has made a series of presentations to groups throughout Virginia and at national conferences, based on this work. The Virginia Coastal Zone Management Program is encouraging other PDCs to develop plans following the methodology used by the HRPDC in conducting studies completed in previous fiscal years. (296100)
24. 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. During FY 2009, the HRPDC worked with the U.S. Navy and the Cities of Chesapeake and Virginia Beach to implement the recommended land acquisition strategy and participated in the national review of the JLUS program, which was concluded favorably during FY 2010. A formal review and update of the JLUS will be undertaken during FY 2011. (202000)

25. 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. The sale of the region's Waste To Energy Plant was concluded in FY 2010. At the request of the localities, the HRPDC is now updating the region's solid waste management plan and has assumed responsibility for the annual recycling rate reporting to the state, on behalf of the Southside Hampton Roads localities. (201000, 299900, 209700)
26. 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)
27. During FY 2010, the HRPDC completed the first phase of a comprehensive examination of Climate Change and its potential impacts on Hampton Roads. The second phase, which is now underway, involves research into potential adaptation and mitigation strategies focusing on sea level rise. The HRPDC is working with a number of academic and consultant researchers 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. (296200, 206200)

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

1. The Department of Economics 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 Department of Economics 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 2010, this technical assistance included providing transportation data and analysis to several localities and completing a traffic management plan study for special events and conditions in and around the Coliseum Central Area of the City of Hampton to assess event conditions only and provide a series of recommendations for traffic management to ease events related conditions. The **Coliseum Central Special Events Traffic Management Plan Study** was completed in March, 2010. (402010, 4022010)
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. Structural connections, contracts and inter-jurisdictional agreements enable the system to function physically as a regional system. The cooperative relations among the system components, facilitated by the HRPDC through its Directors of Utilities Committee, enable it to function institutionally as a regional system. During FY 2010, the HRPDC staff and Directors of Utilities Committee continued development of a Regional Water Supply Plan to address the state's requirements for local water supply planning. This will be an ongoing effort through FY 2011. Related water quality and utility infrastructure management issues are also addressed through this program. (205100, 205200)
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 cooperative programs are funded by the localities and managed by the HRPDC with dedicated staff. Regional advertising is conducted in all major radio and television media, reaching the entire Hampton Roads region with a common message. School curriculum packages, 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. During FY 2010, the programs reprinted and distributed Newspapers in Education tabloids on watershed issues for use in local school systems. These tabloids were developed during previous fiscal years. This effort will continue in FY 2011. The HRPDC and the four educational program committees are in the process of rebranding all of the programs under a common name - HR GREEN. A media consultant has been retained through the HRPDC to assist in this effort. Social media are being used extensively in support of the education programs. (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, dedicated staff at the HRPDC provides technical support and program administration and coordination for this program. Twelve localities are governed by permits under the state program. In FY 2006, the Phase I localities submitted regionally consistent applications to DCR for their new permits. Negotiations between the state and the localities with support from the HRPDC are continuing. In December 2007, the HRPDC coordinated the development of regionally consistent applications for permits by the six Phase II localities. These Permits became effective in July 2008. The HRPDC continues to coordinate program development and implementation, including training, education, and reporting. 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 facilitated by the HRPDC. In addition, engineering consultants and legal counsel are retained through contracts funded by the localities and administered through the HRPDC. (207000, 297300, 207500)
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 2010, 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 begun work on a formal, regional infrastructure security program. The cooperative Directors of Utilities Committee process is featured in an upcoming publication of the American Water Works Association on regional cooperation in water supply, wastewater and stormwater management. (Various Tasks)

8. Ground Water Management Program. The HRPDC employs staff expertise in ground water management and analysis to support the region's sixteen localities in analyzing the impacts of ground water withdrawals for both public and private water supply purposes. Without this regional capability, many of the localities would be required to employ their own ground water modeling expertise at significant cost. (205000)
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). The HRPDC is continuing to assist the region in responding to the evolving Chesapeake Bay TMDL and Watershed Implementation Plan as well as the Presidential Order on Chesapeake Bay restoration. (296000, 206000, 209400)
10. 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 and permitting, wetlands, water quality standards and discharge permitting, stormwater management and groundwater management. (Various Tasks)
11. 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. During the year, the HRPDC facilitated several workshops associated with the Regional Sanitary Sewer Overflow (SSO) Consent Order, new FOG requirements for food service establishments and Illicit Discharge Detection and Elimination, associated with local stormwater programs. (Various Tasks)

12. 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)
13. By coordinating the capabilities of both the Metropolitan Medical Response System (MMRS) and the Urban Area Security Initiatives (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. (398700, 398908, 398909, 398910, 650007, 650008)

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 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). (401010, 421010, 402010, 422010)
2. The HRTPO staff continues to staff and coordinate all activities relating to the Hampton Roads Transportation Operations Subcommittee (HRTO). (402510)
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, 402010).
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, 650007, 650008, 650009).

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 Research Foundation at Old Dominion University and the Virginia Tidewater Consortium for Higher Education Security and Emergency Preparedness Committee in an effort to develop emergency preparedness and homeland security research and grant applications (398000).
8. 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).
9. The HRPDC Emergency Management department supports a state homeland security credentialing initiative in cooperation with the Governor's Office of Commonwealth Preparedness (OCP). 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, 630007, 630008, 650009).

10. Hampton Roads was selected 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 department has committed staff to 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 (398000).
11. The Virginia Area Maritime Security Committee (AMSC) continues to be supported by the Emergency Management staff as the committee continues to develop a plan that provides an all-hazard operational framework and long-term preparedness program for facilitating the recovery of the U.S. Marine Transportation System (MTS) from either a natural, technological, or man-made disaster. A central component of this program is the pre-incident preparation of an MTS Unit (MTSU) by the Captain of the Port (COTP) in partnership with the AMSC, port stakeholders, local public safety officials (i.e. emergency management, fire and law enforcement agencies) and the establishment of an MTS Recovery Unit (MTSRU). The HRPDC provides emergency planning and exercise support for MTS recovery planning and preparation by serving as an advisory member to the director of the MTSRU, AMSC, and COTP (398000, 650607, 650608).
12. 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, acquiring and supporting jail/inmate emergency management training, identifying and securing funding sources for risk assessments and promoting regional collaboration between emergency management, law enforcement, and corrections officials (398000).
13. The HRPDC Emergency Management supports a state homeland security “Critical Infrastructure/Key Resource” initiative through the development of a regional Critical Infrastructure Protection Program. A steering committee has been developed and is being fostered by the HRPDC staff in coordination with the Governor’s Office of Commonwealth Preparedness, 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). Planning support is being provided by the University of Virginia and James Madison University. Planning consists of drafting a charter, a regional implementation plan with a clear mission, vision, and goals that support the NIPP and the Virginia Infrastructure Protection Plan, and sector specific planning guidance (630107, 630207, 630309).
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 Program - water conservation plans and educational efforts, representing the sixteen localities, HRPDC, the Hampton Roads Sanitation District (HRSD) and all military facilities in the region. (204000, 204100, 204300)
 - HR STORM - regional stormwater management education program, representing the sixteen localities, VDOT, HRSD and the HRPDC. (207100, 207200)
 - 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. (209500, 209600)
 - 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)

The four environmental education organizations continue to meet jointly on a regular basis. They have worked together to leverage advertising dollars, and offer mini-grants to schools and youth groups for environmental education-related projects. Efforts are underway to develop an umbrella brand for the education programs – HR GREEN. (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 (207000, 207500)

- 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. (296000, 206000)
 - 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 the Wastewater Capacity Team, the Utilities Legal Team and various subcommittees, addressing technical details of the regional water supply plan, groundwater management issues and management of the H2O – Help To Others - Program. (205000, 205100, 205200, 209000)
 - 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)
 - EECBG Work Group, comprised of representatives of the sixteen localities, charged with implementing the federal Energy Efficiency and Conservation Block Grant Program and related activities. The HRPDC staff also supports a work group addressing greenhouse gas emissions.
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. (Various Tasks)
19. The HRPDC continues to play important coordinating roles in several studies being undertaken by the U.S. Army Corps of Engineers (COE). 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 agencies, federal agencies, academia, the private sector and the COE. The HRPDC staff chairs the Steering Committee for the COE Lynnhaven River

Restoration Study, involving the City of Virginia Beach and the various state and federal agencies, the private sector and academia. (209100, 299800)

20. 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. (209400)
21. 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. (300100)
22. 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)
23. The HRPDC continued 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 was awarded a regional planning grant designed to assist in increasing awareness concerning employment issues, obstacles and opportunities for people with disabilities in Norfolk, Portsmouth, Virginia Beach, Chesapeake, and Suffolk. 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 group is planning a symposium in the Fall of 2010. (302000)
24. The HRPDC continues to support the Hampton Roads Housing Consortium and assisted with a regional summit on Housing Affordability. The event focused on changes in housing affordability over the prior five years in Hampton Roads using a newly developed Housing Affordability Index (HAI) and Metrics. This new measure of housing, HAI, was a joint effort between Housing Virginia, The Virginia Association of REALTORS and the Virginia Housing Research Center at Virginia Tech. The HRPDC staff was instrumental in coordination, marketing and execution of this event. (300100)

25. 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)
26. The Hampton Roads Partnership partnered with the HRPDC to develop a Comprehensive Economic Development Strategy for the Hampton Roads region. The "Vision Hampton Roads" effort resulted in the cooperation among multiple regional organizations and institutions in developing a strategic road map for regional growth. The combined efforts of local governments, regional business leaders, regional institutions, and persons from across Hampton Roads resulted in a comprehensive document that reflected the interests of stakeholders across the region. The framework that was developed to produce Vision Hampton Roads remains in place to continue to provide a means for regional discussion. (598300)

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 support to the Hampton Roads Partnership, including provision of research and analyses on the Hampton Roads economy, job creation, transportation, and other critical aspects of community life. HRPDC staff is serving as a technical resource to several of the Partnership's focus groups. (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. (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. Approval of the tax

deductibility by the Internal Revenue Service is pending. 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 has been developed for approval and execution in July 2010. (Various Tasks)

4. The Hampton Roads Loan Fund Partnership (HRLFPP) 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. HRLFPP participants include local governments, housing authorities, nonprofit housing organizations and private lenders. The HRLFPP is managed by a Steering Committee representing the member communities with the HRPDC acting as Regional Administrator and fiscal agent. (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. (209000) Based on this model, an electronic reporting system for the region's stormwater management programs (PARS - Permit Administration and Reporting System) has been developed. (207000, 207500)
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, 650007, 650008, 650009)
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 HR strengthens regional collaboration and provides for a standardized platform and system for all EOCs in consequence management (398000, 650507, 650508).
8. In September 2009, the Hampton Roads Urban Areas Security Initiative (UASI) regions kicked off a regional target capability assessment (TCA). The purpose of the project is to assess the region against 14 Department of Homeland Security

target capabilities over a one year period. Since the initial kickoff the TCA has accomplished several of the project's objectives. The first objective accomplished was a review of critical infrastructure and key resources (CIKR) as part of a risk validation initiative. The second 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. A third objective accomplished was the jurisdictional 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 last component to be accomplished is the update of the Hampton Roads Homeland Security Strategy. (3980, 650108)

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 subjects of those presentations over the past fiscal year included an analysis of the region's housing market as well as multiple presentations on the state of the region's economy. (593000, 594000, 595500) 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. (595500, 596500)
2. The HRTPO continued to provide local jurisdictions with technical assistance on critical transportation issues. During FY 2010, this technical assistance included providing transportation data and analysis to several localities and completing the **Bridge Road Corridor Study** which analyzed twelve intersections along the corridor and identified alternatives to improve traffic flow in the future with anticipated traffic growth and further development of the area. The study was completed in October, 2009. (402010, 402210, 410310)

3. In April, 2010 the HRTPO staff completed a study to identify any roadway, traffic signal, and access management improvements that will be necessary along Nansemond Parkway in Suffolk within the next ten years. The **Nansemond Parkway Corridor Study** included an assessment of ten intersections along the corridor, presented a methodology for controlling the access of future development and recommended non-capacity improvements to increase safety and improve operations along the corridor. (410310)
4. In June, 2010 the HRTPO staff completed a study to identify any roadway, traffic signal, and access management improvements that will be necessary along Pruden Boulevard in Suffolk within the next ten years. The **Pruden Boulevard Corridor Study** included an assessment of nine intersections along the corridor, presented a methodology for controlling the access of future development and recommended non-capacity improvements to increase safety and improve operations along the corridor. (410310)
5. In June, 2010 the HRTPO staff completed a study to identify any roadway, traffic signal, and access management improvements that will be necessary along Carolina Road in Suffolk within the next ten years. The **Carolina Road Corridor Study** included an assessment of eight intersections along the corridor, presented a methodology for controlling the access of future development and recommended non-capacity improvements to increase safety and improve operations along the corridor. (410310)
6. 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)
7. 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 to satisfy the requirements of the Chesapeake Bay Preservation Act; research on Best Management Practices and other engineering design approaches to addressing stormwater, water supply and ground water management issues; and research on urban design and growth management issues. All of the above support local ordinance and guidance development. (201000, 202000, 296000, 206000)

8. During FY 2009, the HRPDC staff initiated, under contract with the localities, a number of studies. These studies, most of which were concluded in FY 2010 or will be concluded during FY 2011, include:
 - Windsor Stormwater Management Program (291000)
 - Northwest River Watershed Management Plan (293000)
 - Gloucester County Comprehensive Plan (291100)
 - Back and Poquoson Rivers TMDL Implementation Plan (278202)
 - Mill and Powhatan Creeks TMDL Implementation Plan (278208)
 - Nansemond River TMDL Implementation Plan (208201, 208202)
 - Elizabeth River TMDL Implementation Plan (298200, 299100)
 - Hampton Water Management Plan (202000)

9. 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), utility and regulatory issues (Surry), military base encroachment (Hampton JLUS) and funding issues (Windsor). (201000, 296000, 206000)

10. 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. (201000, 202000)

11. The HRPDC provides modeling analysis of the impacts of both existing and proposed ground water withdrawals to support local impact mitigation programs, permit applications and other specialized studies. (205000)

12. Regional Environmental Organizations. The HRPDC staff continues to work with the Elizabeth River Project, Lynnhaven River Now, Hoffler Creek Wildlife Foundation, a new North Landing River Watershed Organization and Back Bay Restoration Foundation. (296000, 206000)

13. 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. (201000, 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
14. 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)
 15. The HRPDC routinely collects and disseminates regional housing statistics and information about housing issues to local governments and nonprofit housing organizations. (300100)
 16. 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, 650007, 650008)
2. According to their Charter, the Eastern Regional 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. (Various Tasks)
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)

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 Commonwealth Preparedness (OCP), 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).
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 (650007, 650008, 650009, 630007, 630008, 630009, 630107, 630207, 630309).
6. HRPDC Emergency Management staff members continue to serve on a number of local, regional, and state advisory homeland security, emergency preparedness, and planning committees where collaboration and knowledge gained from this participation can be extremely beneficial to local communities (398000, 650007, 650507, 650008, 650508, 650009, 650509).
7. 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
 - Virginia Watershed Alliance, Steering Committee
 - Virginia Association of Housing Counselors, Board of Directors
 - DCR, Technical Advisory Committee for the Stormwater Construction General Permit
 - DCR, Stormwater BMP Clearinghouse
 - DCR, Stormwater Management Regulations Regulatory Advisory Panel
 - DEQ, Regulatory Advisory Panel on NPDES Regulations for Pesticides
 - DEQ, Regulatory Advisory Panel on Groundwater Withdrawal Regulations
 - DEQ, Water Supply Plan Advisory Committee
 - DEQ, Coastal Policy Team
 - DEQ, Coastal PDC “Committee”
 - VAPDC, Committees on Environment, GIS/Technology and Transportation
 - Virginia Housing Development Authority (VHDA) Senior Housing Council
 - Virginia Hurricane Evacuation Preparedness Committee
 - Virginia Housing Search – Stakeholder Steering Committee
 - Mineral Management Service, Offshore Wind Task Force
 - North Carolina, Albemarle-Pamlico Estuarine Study Policy Committee
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, Lynnhaven 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)

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 2010, the HRPDC staff reviewed approximately 31 PNRS items and approximately 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. (401010, 421010)
2. During FY 2010, 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**. (423210)
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. On an annual basis, the HRPDC coordinates local government input to the HRSD Facilities Management Plan and the HRSD Capital Improvements Plan. 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. (201000, 209000)

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. (201000, 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. (201000, 299900, 209700)
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. This work is continuing. (Various Tasks)
7. The TMDL Partnership among DEQ, the localities and the HRPDC is resulting in a series of water quality plans (TMDL Implementation Plans). In aggregate, these will constitute a regional water quality plan. (Various Tasks)
8. Inmate Evacuation Planning continues at the request of the Inmate Evacuation Planning Committee established nearly 3 years ago. Planning efforts are focused on moving inmates from local and/or regional correctional facility in the event of a regional or local disaster. A plan to house inmates upon completion of the evacuation has already been established by the Virginia Department of Corrections. Memoranda of Understanding for hosting local inmates for localized emergencies (e.g., fires) are being vetted through the localities with additional efforts being focused the planning for movement by secure transportation

methods (398000).

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 (HRTTO) of the Transportation Technical Advisory Committee by providing technical and administrative assistance to the HRTTO 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. (402510)
2. HRTPO staff continues to participate in the review of proposals for Hampton Roads Public-Private Partnership projects involving Route 460, Interstate 264 and the Midtown Tunnel. (402010)
3. The HRTPO continues to support VDOT in the development of VTRANS 2035. (403010, 423010)
4. The HRPDC continues working closely with the localities through the Regional Emergency Management Technical Advisory Committee, the Hampton Roads Emergency Management Committee, and the emergency management community in the area of emergency management planning and coordination. This effort involves close work with the Department of Emergency Management, VDOT, and other organizations within the region to refine hurricane evacuation plans and contingencies for coastal Virginia. (398000, 411009)
5. The Regional Ground Water Management Program provides funding for technical analysis of ground water conditions by the U.S. Geological Survey. Information generated through this effort is used by the state in its planning for, and regulation of, ground water withdrawal and use in the Coastal Plain of Virginia. Studies undertaken during FY 2009 represent the continuation of a comprehensive effort, begun in FY 2000, by the state, USGS, HRPDC and others to update the Coastal Plain Model, which is the primary analytical tool used in the state regulatory process. This effort was completed in FY 2009. Data collection and analysis of water quality and quantity information is continuing. 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 are continuing to be used to support the state's regulatory program. (205000, 205300)
6. The Hampton Roads Watershed Roundtable and Comprehensive Environmental Planning Programs are designed 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 at the appropriate time. (296000, 206000, 209400)

7. The staff continues to participate in the ongoing refinement of the Virginia Coastal Program. During FY 2010, this included extensive participation in the development of the Section 309 Coastal Zone Enhancement Strategy. As well as continuing efforts to address land use and development issues, developing a framework for regional green infrastructure plans and addressing climate change. (296000, 206000)
8. The HRPDC continues to provide extensive input to the discussions of state agencies and others on improving the state's stormwater management programs through membership on state advisory committees and positions adopted by the HRPDC. During FY 2010, regional efforts continued to focus on the development of the implementing regulations, implementation of the state BMP Clearinghouse, development and negotiation of new permits for the six Phase I MS4 localities, implementation of the MS4 Permits for the six Phase II localities and development of a regional reporting system. (207000, 207500)
9. Based on the work of the State Water Commission and the Administration during FY 2003, the state embarked on a comprehensive approach to state, local and regional water supply planning and permitting. Representatives of the HRPDC staff and Committees participated on the Technical Advisory Committees that assisted DEQ in developing the planning regulation and related permitting regulations. The region continues to work closely with DEQ in the implementation of this program. The HRPDC is developing the regional water supply plan for the Hampton Roads Region, which will serve as direct input to the state water supply plan. (205100, 205200)
10. The region maintains an active involvement in state and federal regulatory initiatives. During FY 2010, these efforts focused on the state stormwater management regulations (technical criteria, local programs and permit fees), and water quality issues associated with TMDLs. (Various Tasks)
11. The HRPDC Joint Environmental Committee provides a venue for the state agencies to brief all Hampton Roads localities on state initiatives and receive local/regional input at one time. During FY 2010, 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 stormwater management, invasive species, CBPA issues, wetlands compensation, Total

Maximum Daily Load (TMDL) planning, energy studies, climate change and others with the Committee. (207000, 202000, 296000, 206000)

12. The HRPDC Directors of Utilities Committee meets semiannually with the Directors of the region's Local Health Departments and the VDH Office of Water Programs to address issues of common concern, ranging from water supply regulations, security issues, pandemic influenza planning, water-borne diseases, emergency response and water system operations. (205100)
13. The HRPDC staff continued working with the Department of Mines, Minerals and Energy and the region's localities to address the Energy Efficiency and Conservation Block Grant Program, including grant proposals by various private, non-profit entities. This program will be closely integrated with the state's efforts to implement the Virginia Energy Plan. During FY 2011, this initiative will be expanded to include development of a greenhouse gas emissions inventory. (202000, 208500)

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. (404410) 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. (404410)
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. (202000, 404410)
3. The HRPDC plays an active role in the Hampton Roads GIS Users Group and the VAPDC GIS/Technology Committee. The HRPDC served on the Planning Committee for the 2010 State GIS Conference. (Various Tasks)
4. Through the VAPDC Environmental Committee and the DEQ Coastal Policy Team, the staff continues to work toward the establishment/re-establishment 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. (296000, 206000)
5. The HRPDC continues to maintain a comprehensive ground water database to support local and regional ground water management activities. Several localities

continue to use the HRPDC-developed Ground Water Data Base Management System to track ground water permits and impacts. (205000)

6. The HRPDC continues its efforts to develop comprehensive databases on all environmental permit issues for activities in the Hampton Roads region. (201000, 202000)
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. Its most recent application and updating was in the 2010 Northwest River Management Plan developed by the HRPDC for the City of Chesapeake. (202000, 296000, 206000)
8. Through the Stormwater Loading Study, comprehensive GIS data layers, encompassing land use, watershed boundaries and stormwater management facility locations, were developed for the Cities of Chesapeake, Hampton, Newport News, Norfolk, Portsmouth and Virginia Beach. These data layers provide a seamless coverage for the six-city area. The stormwater database continues to be expanded through the ongoing Regional Stormwater Management Program Effectiveness Indicators project. The Cities of Poquoson, Suffolk and Williamsburg and the Counties of Isle of Wight, James City and York are now being incorporated into this system. All twelve localities 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. (207000, 207500)
9. Through the Hampton Roads Source Water Assessment Program, comprehensive GIS data layers were developed and refined for the entire Hampton Roads region, as well as adjacent localities that lie within the region's water supply watersheds. These layers encompass land use, hydrological characteristics and facilities and activities that pose a threat to the quality of potable water supply sources. This information is being updated through the Regional Water Supply Planning Project. (205500)

10. Extensive use of GIS technology and analysis is being made by the HRPDC staff to support ongoing local comprehensive planning efforts and to support ongoing implementation of the Hampton Roads JLUS Study, as well as the City of Hampton JLUS Study. (202000)
11. 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. (209000)
12. Through the Hampton Roads Green Infrastructure Plan, comprehensive GIS coverage of environmental and land use data was developed for the entire region. (202000, 296100)
13. 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. (292100)

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. (201000, 296000, 206000)
4. The HRPDC maintains a comprehensive environmental database, which includes information on a variety of environmental characteristics for the region, including ground water use and hydrogeologic characteristics and environmental permitting. Other data layers are being developed through ongoing studies and will be incorporated into the comprehensive database as those studies are completed. (202000)
5. During FY 2005, the HRPDC staff developed an expanded means for public access to current aerial photography. The HR Map Viewer is a browser-based application that provides easy access to the aerial imagery from the Virginia Base Mapping Project. In addition to aerial imagery, the Viewer features an address location function, detailed road network, zip codes, public facilities, and railroads. The Viewer is available for public use in the HRPDC library and for staff use via the Intranet. (Various Tasks)

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

Highlight #1:

As a step to reach out and establish partnerships within the Hampton Roads community in FY 2010, the HRTPO teamed up with Linkhorn Park Elementary School in Virginia Beach on a pilot project to inform students about transportation planning and engineering. The pilot project, entitled **“Ask Me About Transportation,”** was designed to educate future transportation users by teaching them fundamental concepts about transportation and community planning while addressing Virginia’s Standards of Learning (SOLs). The HRTPO staff and teachers created and presented two lesson plans to the second grade students, who learned about different types of communities and general concepts in the planning of communities. After learning about basic planning principles, students applied what they learned by designing their own neighborhoods using a computer mapping program. Students were divided into groups to work on a section of their class community. The students then designed urban, suburban and rural areas, ensuring that the homes and buildings in their community were connected either by a road, path, or train tracks. Once the mapping exercise was completed, students constructed cardboard representations of the homes and buildings in their neighborhoods. Using the map they designed as a guide, students constructed their “box community” as a class. The second graders combined their class communities into one giant Linkhorn Box Community and showcased their community planning efforts to parents and other students during an evening function. The pilot program was deemed a success by both the teachers and HRTPO staff. Students were engaged and enthusiastic and their Linkhorn Box Community was well received. HRTPO staff plans to use teacher and parent feedback on this pilot project to develop resources for future school outreach throughout the region. The HRTPO pilot project, **“Ask Me About Transportation”** has been selected as a topic to be presented at the 2010 American Metropolitan Planning Organization (AMPO) Annual Conference in October, 2010. This national forum will be an excellent opportunity to showcase the HRTPO staff’s efforts to reach out to Hampton Roads residents in innovative ways. (403010, 404810)

Highlight #2:

In FY 2010, the HRTPO Project Prioritization and Selection Process was developed to assist the HRTPO Board with prioritizing transportation projects according to their technical merits and regional benefit, in light of scarce financial resources. This prioritization tool is based on the collective experience of other metropolitan planning organizations, the eight SAFETEA-LU Federal Planning Factors, and the regional transportation goals and objectives. A consensus-based process was used to develop a regional project prioritization and selection process that will provide a specific prioritization to each project and aid the HRTPO on how best to allocate existing and future funding to maximize benefits to the regional transportation network. The purpose of this tool is to provide a process by which policy makers are given a set of objective measures to identify the most practical and feasible transportation projects. The prioritization methodology is based on a set of criteria and measures of effectiveness developed for three major components: Project Utility, Project Viability, and Economic Vitality. Project Utility

considers the project's ability to solve an existing transportation issue, which could be correlated to congestion, safety, infrastructure condition, or ridership. Project Viability level indicates the readiness of the project to be constructed based on available funding and completion of required documentation. Economic Vitality is defined as the ability for a proposed project to impact regional economic growth through increased capacity or increased opportunity and provides additional insight for a project's ability to support regional plans for future development and economic growth of the region. Upon HRTPO Board approval in July, 2010, the HRTPO Project Prioritization and Selection Process tool will be utilized by the HRTPO in the development of the 2034 and future HRTPO long-range transportation plans. (403010, 423010)

Highlight #3:

In accordance with the HRTPO by-laws approved in May, 2009, two new advisory committees were created to advise and provide guidance to the HRTPO as it carries out the transportation planning and programming process in Hampton Roads. The Freight Transportation Advisory Committee (FTAC) was created to advise the HRTPO Board on regional freight transportation matters and raise awareness of the importance of freight transportation to the region. The FTAC consists of nine members, eight from private industry plus one HRTPO Board voting member who serves as one of two FTAC Co-Chairs. The FTAC held its organizational meeting on December 18, 2009, at which its by-laws were approved and committee functions were outlined, including FTAC's intention to advocate on behalf of freight issues to the public and policy makers. Following extensive research, an application and selection process for seeking balanced demographic, geographic, and interest-group representation on the Citizen Transportation Advisory Committee (CTAC) was carried out in early FY 2010. 65 applications were received, from which 26 citizens from throughout Hampton Roads were selected by the HRTPO Board to serve on the CTAC. The CTAC held its organizational meeting on March, 11, 2010, and formed a subcommittee to develop draft by-laws and a list of potential future discussion topics to be considered by the CTAC. Moving forward, the HRTPO CTAC will provide input to the HRTPO Board on transportation issues and help inform and increase awareness about the transportation planning and programming process, and will be instrumental to engage interested parties in the development of future transportation plans. (403010, 423010, 404810, 424810)

Highlight #4:

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, 650007, 650507, 650008, 650508, 650009, 650509).

The HRPDC Emergency Management staff, in conjunction with a planning committee, planned and executed the annual regional seminar 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 was focused on helping these organizations make and implement emergency operations plans and continuity of operations plans for their facility (398000).

The HRPDC Emergency Management staff continued work with the Hampton Roads Interoperability Communications Advisory Committee (HRICAC) to facilitate collaboration between emergency management and communications officials. Also, the staff is supporting the development of grant applications to obtain funding for a new maintenance and service agreement, in collaboration with the HRICAC, for sustainment of the HRTacRAN microwave ring built by the \$6 million Grant from the Department of Homeland Security and 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 #5:

In FY 2009, the HRPDC facilitated the sustainment of 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. Through the FY 2008, FY 2009 and FY 2010 UASI program, the Grants Program Directorate made available and awarded grant funding to Urban Areas. The funding will have 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 sustainment funding in the amount of \$7.76 million for FY08, \$7.3 million for FY 2009 and \$7.3 million for FY 2010. The HRPDC will continue to administer the grant and provide program management for the FY 2007, FY 2008, FY 2009 and FY 2010 grant cycles. (398000, 650007, 650008, 650009).

Highlight #6:

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 (398700), as well as ensuring that the federal deliverables are being met. A total of \$10,891,642 in federal dollars has been awarded between the fall of 1999 and the summer of 2010, with another \$1,269,676 pending (398910). (398300, 398400, 398500, 398600, 398700, 398806, 398907, 398908, 398909)

Highlight #7:

In FY 2008, the HRPDC staff participated in the Regional Catastrophic Preparedness Grant Program (RCPGP) planning for this continue initiative provided to Hampton Roads by Department of Homeland Security (DHS) in FY 2009 and FY 2010. With this funding, projects (Mass Care and Sheltering; Evacuation and Transportation; and Commodities, Resources and Volunteer Management) have been started with the assistance of 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 #8:

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. This implements recommendations made by the HRPDC in 2001. The HRPDC and its member localities are continuing to work with the Department of Conservation and Recreation as well as localities and other groups from throughout Virginia 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 is currently represented on the DCR Stormwater Regulatory Advisory Panel, the Stormwater BMP Clearinghouse and was previously represented on several DCR Advisory Committees and work groups assisting in this effort. Consistent regional input is coordinated through the HRPDC Regional Stormwater Management Committee. (207000, 207500)

Highlight #9:

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 will be 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 HR GREEN to further enhance their effectiveness. (Various Tasks)

Highlight #10:

Six of the region's localities received discharge permits (MS4 permits) for their municipal stormwater systems in 1996. Through a cooperative effort, regionally consistent permits were issued to the localities upon permit renewal in 2001. Based on this successful effort, the six localities requested the HRPDC to facilitate the effort to develop applications for renewal of these permits in 2006, develop MS4 Program Plans related to the proposed Permits, facilitate ongoing permit negotiations with the state and provide appropriate technical, engineering and legal assistance to their efforts. This program continues at a substantial cost-savings to the individual localities. The protracted permit application and review period (2006 to present) has been necessitated by extensive federal involvement in the new permits. Permits for the region's smaller Phase II localities were developed cooperatively and consistently. They were issued on time in July 2008. The HRPDC is continuing to assist all of the localities in complying with permit requirements through cooperative education, training, reporting and technical assistance activities. (207000, 207500)

Highlight #11:

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. Activities implementing the Order are proceeding according to schedule and will continue for at least the next five years. (209000)

Highlight #12:

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. In early 2007, the framework for cooperative water supply planning was memorialized in a Memorandum of Agreement to Guide the Hampton Roads Regional Water Supply Planning Process among the HRPDC and twenty-four local governments. Regionally consistent approaches to management of demand and water system operation during drought were developed during FY 2009. Analysis of future water supply needs and options has proceeded through FY 2010. The Plan is scheduled for completion and local government consideration during FY 2011. (205100, 205200, 205500)

Highlight #13:

The HRPDC took the lead in organizing the Hampton Roads Loan Fund Partnership (HRLF), 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 HRLF. The HRLF 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 \$40 million in VHDA low interest first mortgages and approximately \$6.5 million in DHCD down payment and closing cost assistance. The program has also leveraged more than \$16.6 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, 624 low income households have been able to purchase their first homes. (300400, 300500)

Highlight #14:

The HRPDC worked with the Hampton Roads Partnership (HRP) to develop a regional Comprehensive Economic Development Strategy (CEDS) for submission to the Economic Development Administration (EDA). The HRP took the lead role, with the HRPDC serving as a partner, to develop a strategic region-wide road map to provide an comprehensive and unified vision for the region's economic future. The HRP and the HRPDC brought together members of local government, the business community, regional non-profit organizations, citizens and numerous stakeholders representing the diverse regional economy. The plan, titled "Vision Hampton Roads" was developed through a fast-paced rigorous process that included an oversight board designated by the EDA, four subcommittees, presentations to local government and a month long process of public outreach and review. Numerous recommendations were developed as a result of Vision Hampton Roads. The

recommendations fell under four general categories: defense, ports, tourism, and potential opportunities. The document has since been submitted to the EDA for approval. This is the first Comprehensive Economic Development Strategy to be developed for the Hampton Roads region. The complete document is available online at [http://www.hrp.org/Site/docs/Publications/Vision Hampton Roads FINAL Document Amended_07-12-10.pdf](http://www.hrp.org/Site/docs/Publications/Vision_Hampton_Roads_FINAL_Document_Amended_07-12-10.pdf). (598300)

Highlight #15:

In FY10, 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 coordinating the annual Spring Conference that was held in the region for the sixth consecutive year. Staff was responsible for the marketing the event as well as the development of the conference workshops topics that were appropriate for the current housing market. (300100)

Highlight #16:

The HRPDC, with financial support from DEQ, completed A Green Infrastructure Plan for the Hampton Roads Region, to document the effort undertaken to update The Hampton Roads Conservation Corridor Study that was published by the HRPDC in 2006. Through a series of stakeholder meetings and updates to the geographic information system (GIS) model, the updated network provides local and regional planners with an improved tool for conservation planning. There are four main components to the plan: an updated Hampton Roads green infrastructure network and analysis of the change in the network, a model identifying the vulnerability of green infrastructure to development pressure, a discussion of the impact sea level rise may have on the green infrastructure network, and an updated parks and recreation inventory. Several local government land acquisition proposals have been developed to implement portions of the system, components of which are being incorporated into local government comprehensive plans. Both the Virginia Outdoors Plan and the Virginia Coastal Zone Management Program include the regional system as a case study to guide other regions in conservation corridor planning. HRPDC staff has presented the region's work at a number of state and national conferences and to working groups in several PDCs. In 2010, The Conservation Fund produced a comprehensive manual on green infrastructure and conservation corridor planning, which featured a case study of the Hampton Roads program. (202000, 296100)

Highlight #17:

During FY 2010, the HRPDC, with financial support from DEQ, completed the first phase of a multi-phase examination of climate change and its potential impacts on Hampton Roads. The first phase report, entitled Climate Change: Impacts and Stakeholder Involvement, looks at the science, general impacts, and localized effects of climate change as projected over the 21st century. 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. Based on discussion of the findings of this report, the Commission determined that climate change and sea level rise were among its highest priorities for consideration during FY 2011. (296200, 206200)

