FINAL

PROPOSED WORK PLAN for the COOPERATIVE AGREEMENT BETWEEN THE US ENVIRONMENTAL PROTECTION AGENCY AND NC DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

ALBEMARLE-PAMLICO NATIONAL ESTUARY PROGRAM

OCTOBER 1, 2005 THROUGH SEPTEMBER 30, 2007







September 23, 2005

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INTRODUCTION

Contents of this document:

- Program responses to EPA Implementation Reviews are presented on pages 7 through 10.
- A progress report detailing accomplishments in FY 2005 is provided on pages 11 through 31.
- The FY 2006 Work Plan and budget items are presented on pages 32 through 35.
- Administrative and financial information items are presented on pages 36 through 48.

Purpose: The purpose of this agreement is to provide support to the NC Department of Environment and Natural Resources (DENR) from the US Environmental Protection Agency (EPA) for continuing demonstration of implementation of the unique management strategies recommended in the Albemarle-Pamlico National Estuary Program's (APNEP) Comprehensive Conservation and Management Plan and support for the APNEP Mission to identify, restore and protect the resources of the region. This agreement represents a funding increase and time extension to Cooperative Agreement #CE-974648-02.

<u>Period of Performance:</u>

The period of performance under this agreement is from October 1, 2005 through September 30, 2007.

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BACKGROUND

The Albemarle and Pamlico Sounds represent the nation's largest lagoonal estuarine system. The system is composed of seven sounds and five major river basins draining over 30,000 square miles of watershed in northeastern North Carolina and southeastern Virginia. The sounds, rivers, creeks, wetlands and terrestrial areas provide habitat for an abundance of animal and plant species. People depend on the system for residential and resort development, food, recreation, mining, forestry, agriculture, business and industry.

The Albemarle-Pamlico National Estuary Program (APNEP), a part of the US Environmental Protection Agency's National Estuary Program (NEP) since 1987, developed a Comprehensive Conservation and Management Plan (CCMP) that was ratified by the Governor of North Carolina and approved by the US EPA in November 1994. The CCMP is intended as a practical, cost-effective and equitable approach to managing the valuable resources of the Albemarle-Pamlico region.

The Program is located in the Office of Conservation and Community Affairs within the NC Department of Environment and Natural Resources with program personnel in Raleigh, Washington, and Greenville, NC and Suffolk, VA.





EPA IMPLEMENTATION REVIEW 2005

EPA Implementation Review Response

The EPA conducted an Implementation Review with NC DENR and APNEP staff between March and June 2005. The EPA submitted its draft findings to APNEP in June 2005. In general, the EPA found that the APNEP continues to make significant progress in implementing its CCMP and determined that the APNEP "passed" the 2005 Implementation Review and will be eligible for FY 2006, 2007 and 2008 funding authorized by the Clean Water Act §320. Staff is currently awaiting final results of the review.

EPA IMPLEMENTATION REVIEW 2001

EPA Implementation Review Response

The EPA conducted an Implementation Review with NC DENR and APNEP staff between December 2001 and April 2002. The EPA submitted its findings to DENR in April 2002. In general, the EPA found that the APNEP had not made adequate progress on implementation of the CCMP and recommended changes to achieve full implementation. DENR and the APNEP staff are working to implement the programmatic changes suggested by the EPA. A written update was provided to EPA in December 2002.

The implementation review contained three challenges to be addressed by NC DENR and APNEP.

Lack of visibility and autonomy of the Program office

The APNEP director position was filled on June 3, 2002. The leadership format has been restructured (title of coordinator was changed to the title of director, and the position is now responsible for supervision of program staff) to provide for greater autonomy to administrate and implement the program. The APNEP was relocated from the Basinwide Planning Branch in NC Division of Water Quality to the Office of Conservation and Community Affairs on July 1, 2002. The move elevated the profile of the program in DENR.

Status: Complete

Inadequate number of Albemarle-Pamlico National Estuary Program staff

The FY 2003 Work Plan presented a new leadership structure and the addition of two field representatives and a science coordinator. One field representative position was filled in July 2002 and the other (Restoration Specialist) position was filled in October 2003. The Science Coordinator position was filled in November 2003. Status: *Complete*

• Failure to utilize EPA Section 320 funds.

These funds have been allocated to various projects as highlighted in the FY 2003 Work Plan (additional information is contained in the FY 2005 Work Plan). The unencumbered funds from the previous Cooperative Agreement (#CE 994645-94) are applied toward various projects, with \$250,000 allocated to watershed demonstration projects.

Status: All funds allocated (all will be expended by September 30, 2006)

The EPA also presented four conditions to be met by January 1, 2003. NC DENR has taken the following steps in addressing these items:

- Move the Program from the Basinwide and Estuary Planning Unit The APNEP was relocated to the Office of Conservation and Community Affairs on July 1, 2002. The move elevated the profile of the program in DENR. Status: *Complete*
- 2. Establish two additional full-time field positions and a Science Coordinator
 - On December 4, 2002 the NC General Assembly's Joint Legislative Commission on Governmental Operations gave its approval for NC DENR to create the new positions of Science Coordinator (Environmental Specialist III) and Field Representative/Restoration Specialist (Environmental Specialist II) to be supported by the federal assistance agreement. Approval of this Joint Legislative Commission is required for the creation of all new positions in state government. DENR supplied support for the NC Field Representative (NC Watershed Field Coordinator) through an existing position.

The DENR funded field representative position was filled in July 2002 and the Restoration Specialist position was filled in October 2003. The Science Coordinator position was filled in November 2003. Status: *Complete*

- Hire an APNEP Director at a salary commensurate with that position's duties and responsibilities
 A Director was hired in June 2002 and significant progress has been made toward making the director's salary commensurate with that position's duties and responsibilities.
 Status: Complete
- <u>Identify an employee within NC DENR to act as a liaison between the Division of</u> <u>Coastal Management and the APNEP</u> In July 2002, the APNEP established a liaison with the NC Division of Coastal Management (DCM). DCM has appointed Guy Stefanski to fill that role. Status: *Complete*

The EPA also requested additional documentation to be provided by January 1, 2003. APNEP provided the following information to the EPA in December 2002:

- An organizational chart showing the new location of the program
- An organizational chart showing the structure of the program and location of each staff member
- A description of duties and responsibilities, activities and salary levels of each staff person and the Director

Additionally, the APNEP is working to address the other conditions required by the EPA. The conditions include:

- <u>Establishment of a Science and Technical Advisory Committee (STAC)</u> The Science and Technical Advisory Committee (STAC) has been assembled and has held several meetings since July 2004. Status: *Complete*
- Development of an APNEP Monitoring Plan The APNEP Science Coordinator is facilitating the activities associated with development of the monitoring strategy. The Science Coordinator has reviewed work efforts previously completed by the program and has conducted meetings with other DENR agency staff to gather information on existing and proposed monitoring programs and projects. The APNEP Science Coordinator, STAC and DENR representatives and others will continue addressing this task in FY 2006.

Status: In progress

Greater Public Outreach and Involvement

APNEP has accomplished the following: published and widely distributed "*The Beacon*" newsletter; participated in several "Estuary Live" sessions; redesigned the APNEP Web site and secured a new Internet address (www.apnep.org); developed a new APNEP brochure in November 2003; published an APNEP regional guide in the summer of 2004; completed a new APNEP traveling display in the summer of 2004; supported the NC Office of Environmental Education's campaign to raise awareness of the riverine and estuarine environment; produced a video on the Neuse River; sponsored a plenary session at the National Marine Educators' Association national meeting in North Carolina; and continues to support the APNEP Citizens' Monitoring Network. Additionally, APNEP is working to develop active citizen participation in its advisory structure and develop a communications strategy.

Status: In progress

Development of a Project Implementation System

APNEP has instituted the use of a project tracking database. The tracking tool, developed with Microsoft Access relational database software, is an adaptation of a project tracking tool used by the Charlotte Harbor National Estuary Program (CHNEP). The original tool was created by CHNEP Director, Dr. Lisa Beever. Parameters to be tracked by APNEP include: project identification number, project title, basin, project phase (planning, implementation), issue (biodiversity, hydrogeology, water quality, infrastructure), type (research, restoration, legislation, education), entry date, entry modification date, project operator, project justification, project description, associated CCMP actions, prerequisite activities, linkages to other activities, planned budget, planned duration, acreage, habitat type, funding by individual sources, % leveraged, status (initiated, on-going, complete), location map, and site photographs. The database will continue to be customized for APNEP needs and project data.

• Establishment of Implementation Priorities

APNEP contracted with North Carolina State University (NCSU) to facilitate the strategic planning process. NCSU has worked with Council members and various other stakeholders to conduct surveys on the program. NCSU met with these groups during the spring of 2004 to review the information collected and discuss next steps. A final report and program reform recommendations were delivered in July 2004. Staff met again with these parties to review the findings in the report and discuss the implementation of any program changes. Implementation activities focused on the new citizen advisory structure and demonstration projects. New implementation priorities will be developed as the new Policy Board and Advisory Committees begin working on a CCMP update.

Status: *Complete*

In a February 2004 letter to DENR, the EPA noted that "NCDENR and the APNEP were unable to meet all of the conditions by the deadlines. However, we believe that they have made a concerted effort to comply with EPA's requirements and we remain optimistic and encouraged by the significant progress that NCDENR has made to improve the efficacy of the program." In view of these accomplishments, EPA provided full federal funding (\$536,685) to the APNEP for FY 2004.

ACCOMPLISHMENTS FOR FY 2005

Activities for FY 2005 continued to be focused on program reform, internal and external program implementation review, program improvement and rejuvenation, and coordination with program partners for CCMP implementation, and education and outreach activities.

It should be noted that several work plan projects for FY 2005 are just beginning due to delays in the "Requests for Proposals" process and contracting delays with various parties. It is anticipated that most tasks presented in the FY 2005 work plan will be accomplished by the end of FY 2006. The status of each project is presented within this Work Plan.

Activities and accomplishments from July 1, 2004 (after last work plan was submitted) through September 15, 2005, are summarized below:

I. PROGRAM REFORM

Executive Order #74

On May 16th, 2005, North Carolina Governor Michael F. Easley signed Executive Order # 74: Creation of A Program Office, A Policy Board, and Advisory Committees to Support Natural Resource And Environmental Management in the Albemarle-Pamlico National Estuarine System. This Executive Order is essential to the future of the APNEP and was developed after more than two years of program review and assessment, and stakeholder participation. A copy of Executive Order #74 is attached at the end of this Work Plan.

Program Office

The Executive Order establishes an Albemarle-Pamlico National Estuary Program Office to coordinate and facilitate the implementation and advancement of the CCMP, the APNEP mission, and the activities of the Policy Board and Advisory Committees. The APNEP Program Office will serve as a conduit for information between the Policy Board, Advisory Committees, state and federal agencies, local government, tribes, academia and the public. Additionally, the Executive Order states that the Program Office will be located in the Offices of the Secretary of the North Carolina Department of Environment and Natural Resources.

Policy Board

A Policy Board for the Albemarle-Pamlico watershed is established by the Executive Order to work with DENR and the Program Office. The role of the Policy Board is to guide, evaluate and support the CCMP implementation process and advance the CCMP and its management actions, and to ensure the highest level of collaboration, coordination and cooperation among state and federal agencies, local governments, the public and various interest groups. The Policy Board will consult with the Advisory Committees and the Program Office for recommendations pertaining to implementation of CCMP management actions at the regional and local level, and the coordination and development of research and monitoring priorities. A major duty of the Policy Board is to evaluate the relevance of the CCMP and to make recommendations on amending it to address new or emerging issues that may affect the significant natural resources of the Albemarle-Pamlico estuarine system. Additionally, the Policy Board, in cooperation with the Program Office, will develop an annual report, budget and work plan.

Advisory Committees

The Executive Order establishes three advisory committees to assist the Policy Board in guiding the APNEP and CCMP implementation.

A Committee of Citizen Advisors ("Citizen Advisory Committee") is established to advise and support the Policy Board, and to serve as a liaison to local agencies and interested parties regarding environmental and natural resource management concerns and issues relevant to implementation of the CCMP and the APNEP mission.

A Committee of Management Agency Representatives ("Management Advisory Committee") is established to facilitate and support the implementation and advancement of the CCMP management actions, and the APNEP mission.

A Committee of Science and Technical Advisors ("Science and Technical Advisory Committee") is established to advise the Policy Board and agencies responsible for implementation of the CCMP on scientific and technical issues.

II. FY 2005 WORK PLAN PROJECTS

Watershed Field Coordinator - Virginia

For more detail see Ongoing Projects section.

Status:In ProgressEstimated Cost:\$30,000Funding Source:EPA funds for FY 2005

STAC Workshop

The STAC indicator workshop was held at Johnston Community College in Smithfield, NC on August 3 and 4, 2005. The keynote speaker during the plenary session was Dr. Jay Messer from EPA's Office of Research and Development, a member of the development team for EPA's Report on the Environment. Dr. Messer shared his insights on indicator development. To make the deliberative processes for indicator selection manageable yet ensure an ecosystem-based perspective, the STAC members were assigned to one of six indicator teams beforehand: Air Quality & Atmospheric Process, Living Aquatic Resources, Social, Terrestrial, Water Quality & Hydrology, Wetlands. With the exception of the introductory plenary session and team exchanges at the end of the first day, participants contributed in breakout sessions with their respective team. Each team had a STAC member who served as team leader. Leaders invited three additional experts from the public and private sectors to fill gaps in the team's collective expertise. Also included in the workshop's 48 participants were representatives from North Carolina environmental

agencies, who participated with the team of their choice. The teams collectively forwarded 64 possible indicators for consideration.

Status:CompleteEstimated Cost:\$3,000Funding Source:EPA funds for FY 2005

Conservation Assessment for the Albemarle-Pamlico Region, Phase II

The NC Natural Heritage Program is working to identify owners of lands which contain Significant Natural Heritage Areas identified during the Albemarle-Pamlico Estuarine Study from 1989 to 1993, and to meet with the landowners to inform them of the ecological significance of their lands and to encourage their wise stewardship of their properties. Project builds upon FY 2003 project.

This action supports the CCMP's Vital Habitats Plan, Objective A: Management Action 2: "Develop and maintain accurate maps and records of wetlands, fisheries habitats, federal and state endangered species and their habitats, natural areas, and natural communities."

Status:In ProgressEstimated Cost:\$12,000Funding Source:EPA funds for FY 2005

Submerged Aquatic Vegetation Mapping (Ongoing)

See Submerged Aquatic Vegetation (SAV) Monitoring in Ongoing Projects for more information.

Status:In ProgressEstimated Cost:\$20,000Funding Source:EPA funds for FY 2005

Conservation Assessment for the Chowan River Basin in Virginia

APNEP is working with the Virginia Heritage Program to conduct a conservation assessment to identify each habitat type of conservation concern within the region of study. The goal of this project is to improve our knowledge of the conservation needs of Virginia's Chowan River basin's natural heritage resources and develop better conservation targets.

This action supports the CCMP's Vital Habitats Plan, Objective A: Management Action 2: "Develop and maintain accurate maps and records of wetlands, fisheries habitats, federal and state endangered species and their habitats, natural areas, and natural communities." Status:In ProgressEstimated Cost:\$15,000Funding Source:EPA funds for FY 2005

Wetlands Assessment and Mapping for the Chowan River Basin

APNEP is partnering with the Virginia Institute of Marine Sciences and others to conduct a riparian wetlands assessment in the Chowan River Basin. This process will lead to the development of GIS data layers of the various wetland habitats.

✤ This action supports the CCMP's Vital Habitats Plan, Objective A: Management Action 2: "Develop and maintain accurate maps and records of wetlands, fisheries habitats, federal and state endangered species and their habitats, natural areas, and natural communities."

Status:In ProgressEstimated Cost:\$30,000Funding Source:EPA funds for FY 2005

Citizens' Monitoring Network

See description under Citizens' Monitoring Network in Ongoing Projects.

Status:In Progress (See Ongoing Projects)Estimated Cost:\$56,000Funding Source:EPA funds for FY 2005

Hoop Pole Creek Water Quality and Habitat Restoration Project

APNEP has partnered with North Carolina Coastal Federation (NCCF) to assist in a restoration and education project at Hoop Pole Creek in Carteret County, NC. This project is part of a comprehensive water quality and habitat restoration project planned for the site. Financial support from the APNEP grant program will be used for restoration and educational purposes.

✤ This project supports the CCMP's Stewardship Plan: Management Action 3: "Enhance and heighten local public involvement in issues affecting the estuary."

Status:In ProgressEstimated Cost:\$20,000Funding Source:EPA funds for FY 2005

Teacher Institute

APNEP partnered with the NC Environmental Education Fund to offer a week-long teacher training institute at the Trinity Center in Salter Path, NC. Twenty teachers were provided with curriculum training in earth / environmental sciences with hands-on activities, site visits, and specific content to support inquiry, experiential, and research-based instruction on estuary and water resources.

✤ This project supports the CCMP's Stewardship Plan Objective C: "Ensure that students, particularly in grades K-5, are exposed to science and environmental education."

Status:CompleteEstimated Cost:\$25,000Funding Source:EPA funds for FY 2005

Estuary Live!

APNEP again partnered with the NC National Estuarine Research Reserve to offer interactive field trips for students from North Carolina and throughout the world.

✤ This project supports the CCMP's Stewardship Plan Objective C: "Ensure that students, particularly in grades K-5, are exposed to science and environmental education."

Status:In Progress (See Ongoing Projects)Estimated Cost:\$4,000Funding Source:EPA funds for FY 2003

Under Served Communities – Estuarine Education

APNEP is working with various partners to develop a pilot program in two elementary schools (grades K-4) in the APNEP region to assist students and their families in learning new skills and developing new abilities to enhance their understanding of their connections to the estuary and the environment.

✤ This project supports the CCMP's Stewardship Plan goal: "Promote responsible stewardship of the natural resources of the Albemarle-Pamlico region."

Status:Pending additional fundsEstimated Cost:\$8,000Funding Source:EPA funds for FY 2005

Newsletter – *The Beacon*

The APNEP newsletter, *The Beacon*, provides information about the mission and goals of the NEP and provides information on progress of CCMP implementation. *The Beacon* is also available on the APNEP web site.

✤ This project supports the CCMP's Stewardship Plan goal: "Promote responsible stewardship of the natural resources of the Albemarle-Pamlico region."

Status:Ongoing ProjectEstimated Cost:\$1,685Funding Source:EPA funds for FY 2005

Web Site (www.apnep.org)

The APNEP web site continues to disseminate information about the mission and goals of the NEP and provide information on progress of CCMP implementation. The APNEP web site also carries *The Beacon*.

✤ This project supports the CCMP's Stewardship Plan goal: "Promote responsible stewardship of the natural resources of the Albemarle-Pamlico region."

Status:Ongoing ProjectEstimated Cost:\$100Funding Source:EPA funds for FY 2005

Other Projects

APNEP developed partnerships with state and federal governmental agencies, academia, commercial and private organizations to develop and implement projects and workshops that support the mission of the APNEP to identify, restore, and protect the significant resources of the Albemarle-Pamlico estuarine system. Budgeted Amount: \$14,956

★ All projects will at a minimum support the CCMP's Implementation Plan, Goal: "Implement the Comprehensive Conservation and Management Plan in a way that protects environmental quality while using the most cost-effective and equitable strategies."

Wayne County Cistern

This project installed a rainwater harvesting system at the Wayne County Agricultural Center to reduce the use of treated municipal water for landscaping and other non-potable purposes. The system will also assist in minimizing erosion and stormwater runoff, thereby improving water quality.

Status:	Complete
Estimated Cost:	\$3,000
Funding Source:	EPA funds for FY 2005

Greene County Cistern

This project installed a rainwater harvesting system at the Greene County Agricultural Center to reduce the use of treated municipal water for landscaping and other non-potable purposes. The system will also assist in minimizing erosion and stormwater runoff, thereby improving water quality.

Status:CompleteEstimated Cost:\$3,000Funding Source:EPA funds for FY 2005

Celebration of Nature

APNEP assisted with the Celebration of Nature "It's a Waterful Life!" event designed to educate the general public about environmental education programs of the Stevens Nature Center/ Hemlock Buffs State Nature Preserve. Citizens were encourged to raise their awareness of local nature and issues concerning natural resources through participation in activities and hands-on projects at the various themed stations on the day of the event. Topics for the individual stations included streams and tributaries, vernal pools, ponds and lakes, and floodplain habitats. Information on watersheds and how local creeks are linked to the Neuse River and ultimately our State's estuaries was included. Approximately 800 persons attended the event.

Status:	Complete
Estimated Cost:	\$1,000
Funding Source:	EPA funds for FY 2005

One North Carolina *Naturally* (regional planning)

APNEP partnered with the Office of Conservation and Community Affairs (OCCA) and others to assist with conservation planning in the APNEP area. The FY 2003 work plan estimated that approximately \$2,000 would be needed to support OCCA activities. Other project funds were added to the budgeted \$2,000 for a total of \$5,500 for this project.

Status:CompleteEstimated Cost:\$5,500Funding Source:EPA funds for prior to FY 2003

Teacher Institute Follow-up

APNEP partnered with the NC Environmental Education Fund and the NC Office of Environmental Education and others to offer a weekend follow-up to the 2004 Teacher Training Institute held at the Trinity Center in Salter Path, NC. Teachers were provided with additional curriculum training in earth / environmental sciences with hands-on activities, site visits, and specific content to support inquiry, experiential, and research-based instruction. Additionally, sessions were held to understand how the teachers used the material from the 2004 Teacher Training Institute.

Status:CompleteEstimated Cost:\$3,000Funding Source:EPA funds for FY 2004 remaining from Teacher Institute

III.FY 2004 WORK PLAN PROJECTS

Strategic Planning

APNEP staff worked with NC State University to conduct strategic planning to assess APNEP effectiveness and structure. This process enabled the Program to work with various stakeholders, DENR and the NC Governor's Office to develop a new citizen participation structure and Executive Order #74. (Attachment 1)

Status:	Complete
Estimated Cost:	\$32,000
Funding Source:	EPA funds for FY 2004

EPA Financial Planning – Program Development

As APNEP reevaluates its structure, staff and Council members will work with EPA staff to identify and develop strategies for leveraging funds beyond EPA grant funds. EPA staff will lead this effort. Staff will work with the EPA and the Policy Board or Citizen Advisory Committee to schedule a meeting.

Citizens' Monitoring Network

See description under Citizens' Monitoring Network in Ongoing Projects.

Atlantic White Cedar Restoration Project

The area to be re-vegetated is located at the Preyer-Buckridge Coastal Reserve in Tyrrell County, NC. A portion of the site became infested with Pine Bark Beetles and needs to be cleared to prevent further spread of this highly invasive and damaging pest to the surrounding pine forest. The NC Division of Coastal Management / Coastal Reserves planned to replant approximately 38 acres of forested wetlands with native hardwood species, cypress, and Atlantic White Cedar in winter 2004, but heavy rains have delayed site preparation and replanting.

✤ This action supports the CCMP's Stewardship Plan, goal: "Promote responsible stewardship of the natural resources of the Albemarle-Pamlico Sounds region."

Status:DelayedEstimated Cost:\$16,000Funding Source:EPA funds for FY 2004

Demonstration Projects with Virginia

In an effort to further build partnerships with resource agencies and others in both NC and VA, at least one demonstration project will be developed in the shared river basins.

✤ This action supports the CCMP's Water Quality Plan, Objective B: "Reduce sediments, nutrients and toxicants from nonpoint sources."

Status:Project Identification In ProgressEstimated Cost:\$10,000Funding Source:EPA funds for FY 2004

School Yard Demonstration Projects

School Yard Demonstration Projects were solicited in each of the river basins to provide environmental and educational benefits in the Albemarle-Pamlico region.

✤ The Regional Councils' demonstration projects support the CCMP's Water Quality Plan goal: "Restore, maintain or enhance water quality in the Albemarle-Pamlico region so that it is fit for fish, wildlife and recreation."

Status:In ProgressEstimated Cost:\$100,000 totalFunding Source:EPA funds for FY 2004

Student Wetland Nursery Program

The Student Wetland Nursery Program will engage students through hands-on projects that enable them to understand the value of wetlands, resulting in the direct restoration of wetlands and continued stewardship of valuable coastal resources. Through this project, students will learn about wetlands and stormwater, construct wetland nurseries on the school grounds, cultivate wetland grasses and then use these grasses to help restore a wetland area in the Neuse Watershed.

Status:In ProgressEstimated Cost:\$13,210Funding Source:EPA funds for FY 2004

Washington Montessori School Bio-Swale

Washington Montessori will construct a bio-filter (bio-swale) stormwater treatment system to address excess run off from the roof and gravel parking lot. The system will not only be sufficient for the current 8,000 square foot building, but for future school building expansions as well.

Status:	In Progress
Estimated Cost:	\$20,000
Funding Source:	EPA funds for FY 2004

Northampton Outdoor Learning Center Nature Trail

The Northampton Nature Trail will provide students with hands-on learning as well as an outdoor learning environment for environmental education. The restored barrow area will serve as the orientation site for the nature trail classroom. The APNEP grant funds will be used to construct a teaching shelter and a handicap accessible boardwalk onto an island that exists at a natural pond on the trail site. The boardwalk will also have a platform that will assist with a teaching station related to water quality. The Outdoor Learning Center is a short distance from a new K-5 elementary school site.

Status:	In Progress
Estimated Cost:	\$20,000
Funding Source:	EPA funds for FY 2004

Chowan Basin

Status:	Projects Pending based on response to Request for Proposals
Estimated Cost:	\$20,000
Funding Source:	EPA funds for FY 2004

Perquimans County High School Constructed Wetland and Environmental Education Project

This project is a collaborative venture led by the Perquimans County Public Schools to re-shape and restore a natural wetland located on the grounds of Perquimans High School, to construct an access boardwalk, bridges and observation deck, and to use the restored accessible wetland as the basis for an outdoor education program for 570 high school science students and their teachers.

Status:	In Progress
Estimated Cost:	\$20,000
Funding Source:	EPA funds for FY 2004

Other Projects: Green Roof Symposium

The purpose of the symposium was to expose the building community to the many facets of green/living roofs: their history and current usage, using regulations to promote their use, the growth media, the vegetation, research on their effectiveness and to provide case studies for reducing non-point sources of pollution. Approximately 80 persons attended the symposium.

Status:CompleteEstimated Cost:\$4,000Funding Source:EPA funds for FY 2004

Mini-grants

APNEP planned to establish a set of mini-grants for educators to provide material for educational purposes for studies related to the resources of the Albemarle-Pamlico region. The competitive mini-grants would have provided up to \$500 for educator's estuary related activities. After several discussions with the NC DENR contracts personnel, the APNEP staff has decided to cancel this project at present due to contracting restraints that would severely limit this type of grant program. Funds will be reallocated.

Status:CanceledEstimated Cost:\$4,000 - funds to be reallocated to other projectsFunding Source:EPA funds for FY 2004

IV. FY 2003 WORK PLAN PROJECTS

Citizens' Monitoring Network

See description of Citizens' Monitoring Network under Ongoing Projects.

Stream Watch

APNEP partnered with the Division of Water Resources Stream Watch program to extend stewardship to a broader audience. Stream watchers become informed stewards, learning how to react to changing stream conditions. Local efforts combined with state support will allow many of the APNEP region's waterways to be thoroughly monitored by those with the best view: local residents. Signs along stream overpasses will identify local participation in the program and raise water resource awareness.

✤ The Stream Watch Program will supplement the Citizens' Monitoring Network and support the CCMP's Stewardship Plan, Goal: "Promote responsible stewardship of the natural resources of the Albemarle-Pamlico Sounds region." And Objective B: Management Action 4: "Expand involvement in the Citizens' Water Quality Monitoring Program (CWQMP) and make the program more interactive with regulatory Agencies."

Status:CompleteEstimated Cost:\$7,000Funding Source:EPA funds for FY 2003

DENR Land and Water Conservation Initiative

APNEP is working with the DENR Office of Conservation and Community Affairs in the implementation of a state-wide land and water conservation initiative called One North Carolina *Naturally*. APNEP staff has assisted with public meetings and other activities within the APNEP area. The Office of Conservation and Community Affairs is working to identify and conserve areas critical for their unique biological and habitat and landscape values, and develop strategies to protect and enhance their contribution to the State's economy and high quality of life.

Status:Complete(See FY 2005 Other Projects)Estimated Cost:\$5,500Funding Source:EPA funds for prior to FY 2003

Demonstration Projects with Virginia (Oil Recycling)

A partnership with Cooperative Extension Service, local Soil and Water Conservation Districts, the Albemarle Resource Conservation and Development Council, and the Virginia Department of Conservation and Recreation initiated a bi-state program to offer farmers in five counties in North Carolina and select counties and independent cities within the Chowan and Pasquotank River Basins of Virginia an opportunity to recycle their used oil in a safe and environmentally sound manner on their farms. The project distributed 125 double-walled 275-gallon containers and there have been at least two on-site pickups of oil totaling approximately 20 thousand gallons, with additional pickups to be scheduled.

✤ This action supports the CCMP's Water Quality Plan, Objective B: "Reduce sediments, nutrients and toxicants from nonpoint sources."

Status:Complete (project continues without additional funding)Estimated Cost:\$12,000Funding Source:EPA funds for FY 2003

Comprehensive Monitoring Plan

The APNEP Science Coordinator is coordinating the activities associated with development of the indicators and the monitoring strategy. The Science Coordinator has reviewed work efforts previously completed by the program and has conducted meetings with other DENR agency staff to gather information on existing and proposed monitoring programs and projects. The APNEP Science Coordinator, STAC and DENR agency staff will continue to address this task in FY 2006.

◆ This action supports the CCMP's Water Quality Plan goal: *"Restore, maintain or enhance water quality in the Albemarle-Pamlico region so that it is fit for fish, wildlife and recreation."*

Status:In ProgressEstimated Cost:\$3,000Funding Source:Unencumbered EPA funds from previous years as necessary

Project WET

Project WET (Water Education For Teachers) is an interdisciplinary water education program that encourages learners to apply scientific processes and develop critical thinking skills to understand water issues. Project WET is a nonprofit water education program for educators and young people, grades K-12. APNEP has contracted with the Partnership for the Sounds to conduct the workshops.

✤ This project supports the CCMP's Stewardship Plan Objective C: "Ensure that students, particularly in grades K-5, are exposed to science and environmental education."

Status:CompleteEstimated Cost:\$6,360Funding Source:EPA funds for FY 2003

Albemarle-Pamlico Estuary Conference

An APNEP conference was held to bolster support for the Program and review implementation of the CCMP and other issues and activities in the APNEP region. This conference was held November 17, 2004 in New Bern, NC. Approximately 200 people attended the Conference.

This action supports the CCMP's Implementation Plan, Objective B, Management Action 3: "Assess the progress and success of implementing CCMP recommendations and the status of environmental quality in the Albemarle-Pamlico Sounds region."

Status:CompleteEstimated Cost:\$7,000Funding Source:EPA funds for FY 2002 and donations (NUCOR, Weyerhaeuser, Greene
County, PCS Phosphate, DCM, DENR)

Other Projects

The APNEP worked to develop partnerships to implement projects that support the mission of the APNEP and implementation of the CCMP.

✤ All projects will at a minimum support the CCMP's Implementation Plan, Goal: "Implement the Comprehensive Conservation and Management Plan in a way that protects environmental quality while using the most cost-effective and equitable strategies."

Estimated Cost: \$80,000 Funding Source: Unencumbered EPA funds from previous years

Southern Watershed Area Management Program (SWAMP)

Funds from this project support SWAMP regional planning and resource protection efforts in Southeast Virginia and in Currituck and Camden Counties, NC. SWAMP is a collaborative effort among the cities of Chesapeake and Virginia Beach, the Hampton Roads Planning District Commission (HRPDC) and the Virginia Coastal Program focused on protecting the significant natural resources in the Southern Watershed Area while allowing for continued economic and residential development.

Lead Agency: Hampton Roads Planning District Commission Status: Complete Funding: \$15,000

NC Division of Forest Resources (DFR) Forestry BMP Manual Revision

The DFR will produce and distribute (via workshops and direct mail-out) the Manual to select forest operators and forestland owners located in the five APNEP River Basins.

Status:In ProgressFunding:\$15,000

Coastal Habitat Protection Plan Outreach Activities

APNEP assisted with the development and implementation of a public participation program with the intent of engaging citizens in the draft Coastal Habitat Protection Plan recommendations.

Status:	Complete
Funding:	\$ 5,000

V. FY 2002 WATERSHED DEMONSTRATION PROJECTS

Funds from a previous EPA grant (CE- 994645-94) were dedicated to support a round of watershed demonstration projects. The River Basin Regional Councils selected projects and allocated funding levels in May 2004. The total funds available for the projects was \$250,000 with \$50,000 available per basin. A "Request for Proposals" was open for governmental agencies, educational institutions, and non-profits.

The projects address the main sections of the APNEP Comprehensive Conservation and Management Plan (CCMP): water quality, vital habitats, fisheries and stewardship. The projects should have three main components: 1) they should be physical in-ground projects, 2) they should have a public outreach/education element, and 3) they should have transferable methods. Prospective grant recipients were encouraged to partner with others to leverage additional funds.

The following is a summary for each project active in FY 2005:

Neuse Regional Council

Project Title:	Low Impact Development Demonstration and Education for the Upper
	Neuse River Basin
Description:	Demonstrate the effectiveness of Low Impact Development techniques in
	reducing stormwater runoff.
Lead Agency:	North Carolina State University Water Quality Group
Partners:	DENR Division of Water Quality, NCSU Biological & Agricultural
	Engineering Dept., NCSU College of Design, Habitat for Humanity
Funding:	\$25,000
Status:	In Progress

Neuse and Tar-Pamlico Regional Councils

Project Title: Citizens' Oyster Gardening Program for North Carolina

- Description: Demonstrate a way citizens can assist in restoring native oyster numbers and their ecological functions to the estuaries.
- Lead Agency: Carteret Community College
- Partners: DENR Division of Marine Fisheries, NC National Estuarine Research Reserve, NC Division of Coastal Management, NC Shellfish Growers Association
- Funding: \$31,946
- Status: Complete

Tar-Pamlico Regional Council

Project Title: Bunn High School Bio-Retention Area

- Description: Construction of a bio-retention area that will collect and treat stormwater on-site to be monitored by students and faculty at Bunn High School.
- Lead Agency: Franklin County Soil and Water District
- Partners: Bunn High School Environmental and Agricultural Science classes and Vocational Classes, Franklin County Center of the Cooperative Extension Service
- Funding: \$9,600 Status: Complete
- 1

Tar-Pamlico Regional Council

Project Title: Stormwater Wetland at Pactolus Elementary School

- Description: Plan and create a stormwater wetland on a parcel located adjacent to Pactolus Elementary School in Pitt County, NC. The wetland will capture runoff from the school's parking lot and roof drains, which presently empties into Grindle Creek as untreated stormwater runoff. The site will educate local students about wetlands and serve as an outdoor classroom.
- Lead Agency: Pitt County Planning Department
- Partners: Pitt County School Board, Cooperative Extension, Coastal Land Trust
- Funding: \$31,200
- Status: In Progress

Roanoke and Chowan Regional Councils

- Project Title: Protecting Water Quality by Using Bridgemat Crossings on Forestry Operations
- Description: Provide and promote the use of "bridgemats" in the two river basins.
- Lead Agency: NC Division of Forest Resources
- Partners: NC Division of Water Quality, DENR
- Funding: \$24,000
- Status: Complete

Roanoke and Chowan Regional Councils

Project Title: Bennett's Millpond Demonstration Project

- Description: The Bennett's Millpond Outdoor Appreciation Project is focused on creating a community facility to provide opportunities for environmental education and stewardship around this Chowan County historic site. A "green roof" demonstration component is included to analyze the environmental impact of a green roof design on the surrounding microclimate. The project also will generate greater public awareness about the ongoing events and about the future plans for this special habitat. This awareness will be accomplished through the printing of a Millpond calendar, a biyearly event brochure (for the local counties) and a promotional brochure about Bennett's Millpond for wide distribution.
- Lead Agency: Edenton-Chowan County Schools
- Partners: Chowan County Recreation Department, Chowan County
- Funding: \$26,740
- Status: In Progress

Chowan Regional Council

- Project Title: Town of Gatesville Water Quality Project
- Description: Demonstrate feasibility and effectiveness of monitoring the mouth of two selected creeks to determine pollution contribution.
- Lead Agency: Albemarle Resource Conservation and Development Council

Partners: Town of Gatesville, Gates Soil & Water Conservation District, NC Department of Transportation, Natural Resources Conservation Service, Citizens

- Funding: \$50,000
- Status: In Progress

Pasquotank Regional Council

- Project Title: Landscape Runoff / Water Quality Demonstration Project at the NC Aquarium on Roanoke Island
- Description: Demonstrate feasibility and effectiveness of stormwater collection and use in landscaping at the Aquarium.
- Lead Agency: The NC Aquarium Society
- Partners: North Carolina State University, DENR
- Funding: \$35,000
- Status: Complete

ONGOING PROJECTS

Submerged Aquatic Vegetation (SAV) Monitoring

The Coordinating Council elected to provide \$20,000 in FY 2002 supplemental funds as seed money to initiate a large-scale, long-term submerged aquatic vegetation (SAV) monitoring effort to assess the extent of SAV coverage in the Albemarle-Pamlico estuaries. An additional \$6,000 was allocated in the FY 2003 Work Plan to support SAV-related training to NC Division of Water Quality staff (\$4,000) and provide additional project support (\$2,000).

Submerged aquatic vegetation constitutes one of the most common estuarine habitats in North Carolina. The 1990 published estimate of SAV area is 200,000 acres in NC. In the contiguous 48 states, North Carolina is second only to Florida in acreage of SAV, and has twice the acreage reported for Chesapeake Bay. SAV provides food and cover for a great variety of commercially and recreationally important fauna and their prey. Thirteen species of SAV have been reported for the Albemarle-Pamlico estuary. SAV supports many species of fish and shellfish and are major fishery habitats of the shallow sounds behind North Carolina's barrier islands and along the coastal fringes bordering the western side of these sounds.

Previous studies by NOAA and East Carolina University to delineate and quantify the location and extent of SAV, based on conventional color aerial photography and field sampling, were conducted in the late-1980s and early-1990s for major portions of the Albemarle-Pamlico estuary. This information, some of which has been digitized in GIS-format, has proven valuable to habitat managers in their review of dredge and fill related permit applications and has helped Core Sound, Back Sound and western Bogue Sound achieve nomination for designation as Outstanding Resource Waters.

Since that time, no major organized effort to map the location and extent of SAV coverage in the Albemarle-Pamlico estuary has been conducted. SAV is being used as a critical environmental indicator in several other estuarine systems (e.g., Indian River Lagoon, Sarasota Bay, Tampa Bay and Chesapeake Bay). Currently, North Carolina lacks the information necessary to determine reliable trends in SAV distribution and health.

APNEP has partnered with NC Division of Marine Fisheries, US Fish and Wildlife Service, Elizabeth City State University and the NC Coastal Nonpoint Source Program to conduct aerial photography flights over Back Bay, Currituck Sound and Kitty Hawk Bay.

Status:	Phase I Complete, Phase II - In Progress
Current Cost:	\$22,000 Phase I, \$ 20,000 Phase II
Funding Source:	EPA supplemental funds FY 2000, FY 2005 funds
Partners:	NC Division of Marine Fisheries, US Fish and Wildlife Service,
	Elizabeth City State University, the NC Coastal Nonpoint Source
	Program, and NC Division of Water Resources.

In FY 2006 APNEP will continue to participate in this project as the mapping area is expanded. The SAV workgroup is currently developing the plans for the next round of flights. Also see FY 2005 & FY 2006 Projects.

EPA Supported Nonpoint Source Pollution Related Restoration Project (Tryon Palace) During FY 2001, APNEP received \$75,000 to support an environmental nonpoint source pollution-related restoration project in the APNEP region. These funds were used to support and leverage Clean Water Management Trust Fund money to construct a wetland and storm water management project associated with Tryon Palace State Historic Site in New Bern, NC. Specifically, these funds are to create a cord grass marshland in the designated area along the confluence of the Neuse and Trent rivers.

The current contract is ongoing and the project is still underway. Ground breaking and site dedication occurred in the fall of 2002. Although much planning has been done, no invoice has yet been received for the specific activity defined for this contract.

This action supports the CCMP's Vital Habitats Plan, Objective C, Management Action 3: "Enhance existing efforts to restore the functions and values of degraded wetlands and vital fisheries habitats. Develop and begin implementing an expanded program to restore wetlands."

Status:	In Progress
Estimated Cost:	\$75,000
Funding Source:	EPA dedicated funds for project

APNEP Program Administration

Staff are responsible for the coordination, planning and successful completion of APNEP functions including Regional Council and Coordinating Council meetings, APNEP forums and other APNEP-sponsored events. In addition, staff monitors, and often becomes involved in, activities of state resource management agencies that relate to CCMP implementation. Staff also attend meetings, conferences and workshops in order to stay apprised of technological advancements that may prove beneficial in the APNEP region. Although the Regional Councils and Coordinating Council are instrumental in identifying local environmental issues and prioritizing management actions within each basin, most management actions are implemented by various state agencies on a local, basinwide, regional or statewide basis.

Presently, the staff consists of the program office in Raleigh, with the Director, Science Coordinator, and Restoration Specialist. A NC Watershed Field Representative has offices in Raleigh and Washington; the APNEP public involvement office also in Washington houses the Community Development Specialist. The APNEP also has two contract employees: the Citizens' Monitoring Network Coordinator at East Carolina University in Greenville, and the Virginia Watershed Field Representative in Suffolk. For more detail see Administration and Financial section.

Status:	In Progress - Ongoing (See Administrative and Financial Section)
Estimated Cost:	\$250,366 will be needed for administration and implementation of the
	APNEP and the CCMP.
Funding Source:	EPA funds for FY 2006

Virginia Watershed Field Coordinator

The headwaters for the Pasquotank, Chowan and Roanoke River basins are located within Virginia. One of the most critical components to effectively implementing the CCMP within these basins is long-term, comprehensive coordination between North Carolina and Virginia. The Watershed Field Coordinator for Virginia provides coordination and support to APNEP, DENR and the Virginia Department of Conservation and Recreation (VA DCR), and enhances implementation of the CCMP in the Roanoke, Chowan and Pasquotank river basins. The APNEP supports one-half of this position for at least 20 hours per week. The contract has been extended for another year.

The Virginia Watershed Field Coordinator directly supports the CCMP's Implementation Plan, Objective A: Management Action 2: "*Coordinate implementation of the CCMP*."

Status:	In Progress - Ongoing
Estimated Cost:	\$30,000
Funding Source:	EPA funds for FY 2006

Citizens' Monitoring Network

The APNEP Citizens' Monitoring Network (CMN) is a network of private citizens who monitor surface water quality in the Albemarle-Pamlico estuary and its tributaries. The program began as an initiative of the Pamlico-Tar River Foundation in 1988, to protect, preserve and promote the water quality of the Tar-Pamlico River and its watershed. Today, the program includes all waters located in the Albemarle-Pamlico region. Mr. Allen Clark runs the program from the campus of East Carolina University in Greenville, NC.

The CMN has three areas of activity: Baseline Monitoring, Targeted Monitoring and Surveys, and Water Quality Education. Program volunteers receive support in each of these areas through water quality education and training, QA/QC workshops, distribution of equipment and supplies, data management/analysis, and networking opportunities. Participants primarily monitor "vital signs" of the estuary. Specifically, parameters tested include: dissolved oxygen, pH, salinity, air and water temperatures, and turbidity to gauge the general health or quality of water in the estuary. Using basic but accurate water quality test kits, citizen volunteers analyze their water samples, observe qualitative factors such as weather conditions and other visual indicators, and record the results.

All monitoring data collected are forwarded to the CMN office at ECU where staff compiles the information and enters the data into reporting form for citizen and government agency use. Information is available to the public on the APNEP website at http://www.apnep.org/ and at http://www.ecu.edu/icmr/cwqmp. This is a very popular program and it continues to be expanded.

Operation of the APNEP Citizens' Monitoring Network (including Coordinator, equipment, supplies, office and lab space and indirect costs) will be continued by extending the contract with East Carolina University (\$55,902).

The Citizens' Monitoring Network directly supports the CCMP's Stewardship Plan, Objective B: Management Action 4: "*Expand involvement in the Citizens' Water Quality Monitoring Program (CWQMP) and make the program more interactive with regulatory Agencies.*"

Status:	In Progress - Ongoing	
Estimated Cost:	Continued operation of the Citizens' Monitoring Network (including	
	Coordinator, equipment, supplies, lab space and indirect costs) will	
	require \$55,902 (via contract with East Carolina University).	
Funding Source:	EPA funds for FY 2006	

Program Enhancements Relating to Smithfield Foods Agreement

In July 2000, the NC Attorney General's Office and Smithfield Foods, Inc. and its subsidiaries, the largest hog producing and pork processing companies in the world, signed a major agreement. It is a legally binding agreement that focuses on the elimination of open-air hog lagoons and spray fields in North Carolina. An element of the agreement states that the Smithfield companies will play a leadership role in enhancing the effectiveness of the Albemarle-Pamlico National Estuary Program. Staff has met several times with representatives from Smithfield Farms, the NC Attorney General's Office and NC DENR on topics of interest. Little progress has been made and support intentions are unclear.

In FY 2005 APNEP staff applied for two grants totaling \$940,203 from the Smithfield Environmental Enhancement Grants for SAV mapping and non-point source pollution reduction in Ward Creek.

Status:	Ongoing
Estimated Cost:	No cost
Funding Source:	N/A

OTHER PROJECTS

GIS Outreach and Services

The APNEP had contracted with the NC Center for Geographic Information and Analysis (CGIA) to provide GIS support and training as well as accessible and affordable GIS data for planning and educational purposes.

Status:	In Progress
Estimated Cost:	\$18,000
Funding Source:	EPA funds (Remaining from previous NC CGIA contract)

North Carolina – Virginia Shared Resources Forum

A forum for state resource agencies and local governments in the Roanoke, Chowan and Pasquotank river basins will be held to review resources shared by the two states. This forum has been delayed in order to assess the role of the new Roanoke Bi-State Commission as designated by the General Assembly of both states. The current strategic planning exercise has identified a Governor's agreement as a possible goal for the program. It should also be noted that the APNEP Watershed Field Coordinator for Virginia is playing a key role in inter-state relations with issues in our shared river basins.

This action directly supports the CCMP's Implementation Plan, Objective A, Management Action 2: "*Coordinate implementation of the CCMP*."

Status:	Ongoing
Estimated Cost:	\$1,000
Funding Source:	EPA funds from previous years - budgeted in the FY 2003 Work
	Plan.

PROJECTS FOR FY 2006

New projects for FY 2006 will continue to support the implementation strategy as outlined in the CCMP and support program reform and CCMP update efforts.

Program Administration

For more detail see Administration and Financial, and Ongoing Projects sections.

These actions support the CCMP's Implementation Plan goal: "Implement the CCMP in a way that protects environmental quality while using the most cost-effective and equitable strategies."

Status:OngoingEstimated Cost:\$250,366Funding Source:EPA funds for FY 2006

Watershed Field Coordinator - Virginia

For more detail see Ongoing Projects section.

★ These actions support the CCMP's Implementation Plan goal: "Implement the CCMP in a way that protects environmental quality while using the most cost-effective and equitable strategies."

Status:OngoingEstimated Cost:\$30,000Funding Source:EPA funds for FY 2006

Board and Committees Support

The key element of the CCMP's implementation is active citizen participation. On May 16th, 2005, North Carolina Governor Michael F. Easley signed Executive Order # 74: Creation of A Program Office, A Policy Board, and Advisory Committees to Support Natural Resource And Environmental Management in the Albemarle-Pamlico National Estuarine System. This Executive Order is essential to the future of the APNEP and was developed after more than two years of program review and assessment, and stakeholder participation. Members are currently being recruited to fill the positions on the Policy Board and Advisory Committees.

This action supports the CCMP's Implementation Plan, Objective B: "Assess the progress and success of implementing CCMP recommendations and the status of environmental quality in the Albemarle-Pamlico Sounds region."

Status:OngoingEstimated Cost:\$10,000Funding Source:EPA funds for FY 2006

Demonstration Projects

Proposals will be solicited for demonstration projects to provide environmental benefits in the Albemarle-Pamlico region. Results of the demonstration projects will be transferable to all river basins in the Albemarle-Pamlico Region and other National Estuary Programs. Project selection will be made by the Citizen Advisory Committee.

The Regional Councils' demonstration projects support the CCMP's Water Quality Plan goal: "Restore, maintain or enhance water quality in the Albemarle-Pamlico region so that it is fit for fish, wildlife and recreation."

Status:	New Projects
Estimated Cost:	\$100,000
Funding Source:	EPA base funds for FY 2006

Other Projects

APNEP will develop partnerships with state and federal governmental agencies, academia, commercial and private organizations to develop and implement projects and/or workshops that support the mission of the APNEP to identify, restore, and protect the significant resources of the Albemarle-Pamlico estuarine system. Examples of possible projects include: Indicator/monitoring Workshops, Stream Restoration Workshops, Planning Workshops, and Sustainability Workshops.

All projects will at a minimum support the CCMP's Implementation Plan, Goal: "Implement the Comprehensive Conservation and Management Plan in a way that protects environmental quality while using the most cost-effective and equitable strategies."

Status:	New Projects
Estimated Cost:	\$12,000
Funding Source:	EPA funds for FY 2006

Submerged Aquatic Vegetation (SAV) Mapping

In FY 2006 APNEP will continue to participate in this project as the mapping area is expanded. The SAV workgroup is currently developing the plans for the next round of flights. See Submerged Aquatic Vegetation (SAV) Monitoring in Ongoing Projects for more information.

✤ This action supports the CCMP's Water Quality Plan goal: "Restore, maintain or enhance water quality in the Albemarle-Pamlico region so that it is fit for fish, wildlife and recreation."

Status:	Ongoing
Estimated Cost:	\$20,000
Funding Source:	EPA funds for FY 2006
Leverage:	Pending

Citizens' Monitoring Network

Staff will continue to demonstrate the utility of the Citizens' Monitoring Network (see ongoing projects) as an effective public involvement and education tool and expand the program's interaction with regulatory agencies. Staff will conduct Public Outreach Projects to promote a better understanding of the region's many issues and offer opportunities for public involvement.

✤ This action supports the CCMP's Water Quality Plan: Management Action 4: "Expand involvement in the Citizen's Water Quality Monitoring Program (CWQMP) and make the program more interactive with regulatory agencies."

Status:	Ongoing
Estimated Cost:	\$56,000
Funding Source:	EPA funds for FY 2006

Teacher Institute

APNEP will again partner with the Office of Environmental Education and the Environmental Education Fund to offer a week-long teacher training institute at the Trinity Center in Salter Path, NC. Approximately 25 teachers will be provided with curriculum training in earth / environmental sciences with hands-on activities, site visits, and specific content to support inquiry, experiential, and research-based instruction on estuary and water resources.

This project supports the CCMP's Stewardship Plan Objective C: "Ensure that students, particularly in grades K-5, are exposed to science and environmental education."

Status:	Ongoing
Estimated Cost:	\$22,000
Funding Source:	EPA funds for FY 2006

Estuary Live!

APNEP will again partner with the NC National Estuarine Research Reserve to offer on-line interactive estuary field trips for students from North Carolina and throughout the world.

This project supports the CCMP's Stewardship Plan Objective C: "*Ensure that students, particularly in grades K-5, are exposed to science and environmental education.*"

Status:OngoingEstimated Cost:\$4,000Funding Source:EPA funds for FY 2003

Outreach Activities

This project supports all of APNEP's outreach activities. APNEP's outreach activities include the web site (www.apnep.org) and *The Beacon* newsletter.

• Outreach activities support the CCMP's Stewardship Plan goal: "Promote responsible stewardship of the natural resources of the Albemarle-Pamlico region."

Status:OngoingEstimated Cost:\$ 1,600Funding Source:EPA funds for FY 2006

ADMINISTRATION AND FINANCIAL

I. APNEP PERSONNEL

Program staff are responsible for the coordination, planning and successful completion of APNEP functions including Board and Committee meetings, APNEP forums and other APNEP-sponsored/partner events. In addition, staff monitors, and often becomes involved in, activities of state resource management agencies that relate to CCMP implementation, the Albemarle-Pamlico watershed or estuary. Staff also attend meetings, conferences and workshops in order to stay apprised of technological advancements that may prove beneficial in the APNEP region and the program.

Presently, the APNEP staff consists of the APNEP program office in Raleigh, with the Director (*Bill Crowell*), Science Coordinator (*Dean Carpenter*), and Restoration Specialist (*Kelly Williams*). A NC Watershed Field Representative (*vacant*) has offices in Raleigh and Washington; the APNEP public involvement office also in Washington houses the Community Development Specialist (*Joan Giordano*). The APNEP also has two contract employees: the Citizens' Monitoring Network Coordinator (*Allen Clark*) in Greenville, and the Virginia Watershed Field Representative (*Noah Hill*) in Suffolk, Virginia.

In the coming year, the new Policy Board and Advisory Committees will be instrumental in identifying local environmental issues, and prioritizing management actions within the watershed, and working through the NEP Program Office to advise the various state and local agencies on CCMP implementation.

Overall administration costs for FY 2006 are estimated at approximately \$ 250,366 and includes salaries, fringe, longevity pay, rent, supplies, and indirect costs.

Program Director

The Program Director administrates and coordinates program activities and the CCMP implementation process, involving interaction with numerous federal and state resource management agencies, universities, interest groups, and the general public. This position manages the post-CCMP grants and associated contracts, provides staff support to the APNEP Councils, and represents the APNEP at local, state, regional and national meetings.

Personnel:	Bill Crowell will continue in this role. Mr. Crowell has been the Director
	since June 2002.
Estimated Cost:	\$79,077 includes salary, fringe, medical, retirement, supplies, indirect costs
Funding Source:	EPA funds for FY 2006

Community Development Specialist

The Community Development Specialist supports public relations and knowledge concerning issues relating to the Albemarle-Pamlico region; facilitates the implementation of the CCMP; develops and implements educational and outreach programs; promotes dialogue between local government officials and private citizens; and provides liaison responsibility for the Citizens' Monitoring Network. This position also provides valuable staff support to the Policy Board and Advisory Committees.
Personnel:	Joan Giordano will continue in this role. Ms. Giordano has served in this
	role since 1987.
Estimated Cost:	\$69,785 includes salary, fringe, medical, retirement, supplies, and indirect
	costs. Funding also includes approximately \$10,000 for annual rent at the
	DENR Washington Regional Office for two offices and common space.
Funding Source:	EPA funds for FY 2006

Science Coordinator

The Science Coordinator assists the Program Director with administration and coordination of the CCMP. The new position helps design and implement a comprehensive monitoring strategy and reporting process, establish the Scientific and Technical Advisory Committee (STAC), and review project proposals and reports for merit. This position assists in the management of contracts, and provides staff support to the Policy Board and Advisory Committees.

Personnel:	Dean Carpenter will continue in this role. Dr. Carpenter has served in this
	role since November 2003.
Estimated Cost:	\$59,162 includes salary, fringe, medical, retirement, supplies, and indirect
	costs.
Funding Source:	EPA funds for FY 2006

Restoration Specialist /Watershed Field Representative

The Restoration Specialist /Watershed Field Representative assists the Program Director to administrate and coordinate the CCMP implementation process, involving interaction with numerous federal and state resource management agencies, universities, interest groups, and the general public. This position assists in the management of contracts, and provides staff support to the Policy Board and Advisory Committees.

Personnel:	Kelly Williams will continue in this role. Ms. Williams has served in this
	role since October 2003.
Estimated Cost:	Approximately \$42,343 includes salary, fringe, medical, retirement, supplies,
	and indirect costs.
Funding Source:	EPA funds for FY 2006

Watershed Field Coordinator (NC)

This position provides an essential function as an APNEP liaison to local governments and state agencies. The Watershed Field Coordinator (NC) provides coordination and support to local governments and state agencies to enhance CCMP implementation. This position also provides staff support to the Policy Board and Advisory Committees. This position splits time between the Raleigh and Washington DENR Regional Offices.

Personnel: *Vacant – to be filled* Funding Source: NC DENR

Citizens' Monitoring Network Coordinator

See description under Ongoing Projects.

Personnel:Allen ClarkFunding Source:EPA funds for FY 2006

Watershed Field Coordinator (VA)

See description under Ongoing Projects.

Personnel:Noah HillFunding Source:EPA funds for FY 2006

II. GRANTS TO LOCAL ENTITIES

The Albemarle-Pamlico NEP let numerous contracts in FY 2005 in order to accomplish the tasks presented in the FY 2003, 2004 and FY 2005 Work Plans. These items are discussed in the Goals and Accomplishments, and the Ongoing Projects sections of this report.

Additionally, funds from a previous EPA grant (CE- 994645-94) have been dedicated to help support numerous projects in the past three years. All funds under this grant are allocated and should be spent by September 30, 2006.

The following table provides an overview of all active grants to local entities and grants completed since October 1, 2004.

GRANTS TO LOCAL ENTITIES

Project	Funded	Project			Completion	~
Title	Amount	Leader	Purpose	Deliverables	Date	Status
Watershed Coordinator (VA)	\$30,000	VA. Dept. Conservation & Recreation	Fund Watershed Coordinator in VA-NC Shared river basins	Program support Reports	Ongoing	In Progress
Riparian Restoration (Tryon Palace)	\$75,000 EPA dedicated funds for project	Tryon Palace Committee	Riparian Restoration	Shoreline restoration Reports	September 2006	In Progress
Citizens' Monitoring Network	\$56,000	East Carolina University	Outreach / Monitoring	Program Newsletters Reports Database	Ongoing	In Progress
DENR –Office of Conservation & Community Affairs	\$5,500	DENR	Open Space Planning in AP Region	Meetings Maps Report	December 2004	Complete
Teacher Institute	\$25,000	Environmental Education Fund	Develop and Implement a Teacher Institute for 25 teachers	Week long Institute Report	July 2005	Complete
Project Wet	\$6,360	Partnership for the Sounds	Organize five (5) Project WET workshops – one in each basin	Workshops	October 2004	Complete
SWAMP	\$15,000	Hampton Roads Planning District Comm.	Support of Regional Planning	Meetings Documents	December 2004	Complete
Forestry BMP Manual	\$15,000	NC Div. Forest Resources	Develop and Distribute a Forestry BMP Manual	Manual Meetings	September 2006	In Progress
GIS Support	\$18,000	NC CGIA	GIS Support	GIS Services Training	September 2004	In Progress
SAV Mapping Phase I	\$22,000	Elizabeth City State University	SAV mapping project Phase I	SAV Mapping	September 2004	Complete
LID Demo Project	\$25,000	NCSU	Low Impact Development Demo	Construction Documentation Outreach	July 2006	In Progress
CHPP Outreach	\$5,000	NC Div. of Coastal Management	Support of Coastal Habitat Protection Plan Citizen Outreach Efforts	Documents Meetings Video	October 2004	Complete

Project	Funded	Project			Completion	
Title	Amount	Leader	Purpose	Deliverables	Date	Status
Citizens' Oyster Gardening Demo	\$31,946	Carteret Community College	Citizens' Oyster Gardening Demo	Oysters Documentation Outreach	September 2005	Complete
Bunn High School Bio-Retention Demo	\$9,600	Franklin Co. Soil & Water District	Construct a Bio-retention Area and Monitoring	Construction Documentation Outreach	December 2004	Complete
Pactolus Stormwater Wetland	\$31,200	Pitt County	Construct a Stormwater Wetland	Construction Documentation Outreach	September 2005	In Progress
RI Aquarium Cisterns	\$35,000	The NC Aquarium Society	Cistern Construction	Construction Documentation Outreach	July 2005	Complete
Town of Gatesville Water Quality Project	\$50,000	Albemarle RC&D	Stormwater Controls	Construction Documentation Outreach	July 2005	In Progress
Teacher Institute Follow-up	\$3,000	Environmental Education Fund	Develop and Implement a Teacher Institute for 25 teachers	Instruction Institute Report	February 2005	Complete
Bennett's Millpond Demonstration Project	\$26,740	Edenton-Chowan County Schools	Environmental education and a "green roof"	Construction Documentation Outreach	September 2005	In Progress
Forestry Bridge Mats	\$24,000	NC Div. Forest Resources	Build and Distribute Forestry Bridge Mats	Construction Documentation Outreach	September 2006	Complete
Northampton Outdoor Learning Center Nature Trail	\$20,000	Northampton County	Outdoor Learning Center Nature Trail	Construction Documentation Outreach	December 2004	In Progress
Stream Watch	\$7,000	NC Div. of Water Resources	Support of Stream Watch Activities	Outreach	September 2006	Complete
Green Roof Symposium	\$4,000	NCSU	Symposium on Green Roofs	Outreach	December 2004	Complete
Perquimans County High School	\$20,000	Perquimans County	Constructed Wetland and Environmental Education Project	Construction Documentation Outreach	July 2006	In Progress

Project Title	Funded Amount	Project Leader	Purpose	Deliverables	Completion Date	Status
Washington Montessori School Bio-Swale	\$20,000	Washington Montessori Charter School	Construct a bio-filter (bio-swale)	Construction Documentation Outreach	December 2005	In Progress
Student Wetland Nursery Program	\$13,210	NC Coastal Federation	Student Wetland Nursery Program	Construction Documentation Outreach	July 2006	In Progress
Celebration of Nature	\$1,000	Town of Cary	Environmental education program	Outreach	July 2005	Complete
Greene County Cistern	\$3,000	NCSU	Install a rainwater harvesting system	Construction Documentation Outreach	September 2005	Complete
Wayne County Cistern	\$3,000	NCSU	Install a rainwater harvesting system	Construction Documentation Outreach	September 2005	Complete
Hoop Pole Creek Water Quality and Habitat Restoration Project	\$20,000	NC Coastal Federation	Oyster Restoration Project	Construction Documentation Outreach	September 2005	In Progress
Wetlands Assessment and Mapping for the Chowan River Basin	\$30,000	Virginia Institute of Marine Sciences	Wetlands Assessment and Mapping	Documents GIS	May 2006	In Progress
Conservation Assessment for the Chowan River Basin in Virginia	\$15,000	Virginia Natural Heritage	Conservation Assessment	Documents GIS	May 2006	In Progress
Conservation Assessment NC Phase II	\$12,000	NC Natural Heritage	Conservation Assessment	Documents GIS	May 2006	In Progress

III. FUNDS LEVERAGED

The Albemarle-Pamlico NEP has more actively sought alternative sources of funding for APNEP activities and projects to fulfill the goals of the CCMP. In addition, the APNEP sought out additional avenues for collaborating with other agencies to assist in targeting these program funds towards CCMP and basinwide goals. Where possible, APNEP worked to cost-share projects to increase the effectiveness or the magnitude of projects, even though in several cases the APNEP was not the primary catalyst for the project.

As the program progresses, the APNEP is working to leverage more funds through partnerships, projects and grants. Discussions with NC DENR have begun to develop a strategy for obtaining additional state funds for program activities.

Additionally, the APNEP staff has plans to work with EPA staff to identify and develop strategies for leveraging funds beyond EPA base operating budgeted funds.

The APNEP has been successful in its ability to promote the needs, as well as the successes, associated with natural resource management, protection and enhancement efforts in the APNEP region. Several State conservation funding sources were developed in response to research funded by the Albemarle-Pamlico Estuary Study. These programs include Clean Water Management Trust Fund, Clean Water State Revolving Fund Program, and the North Carolina Conservation Reserve and Enhancement Program.

FY 2005

The APNEP was a primary partner in leveraging nearly four times the federal grant in FY 2005, and assisted in the leverage for projects in the NEP program area at an overall level of approximately 11 times the amount of funds received from the EPA.

FY 2006

In FY 2006, the Albemarle-Pamlico NEP will continue to seek additional avenues for collaborating with other partners to assist in targeting program funds towards CCMP implementation goals. Where possible, APNEP will work to leverage funds and services for projects with other funding sources. APNEP will actively seek alternative sources of funding for APNEP activities and projects to fulfill the goals of the CCMP.

IV. FY 2006 ESTIMATED FEDERAL COST SHARE

Federal Funds Budget FY 2006

The estimated* federal funds budget for each NEP for FY 2006 is \$511,966

IMPLEMENTATION PLAN

Program Administration (Ongoing)	
(staff salaries, fringe*, longevity, rent, supplies, indirect)	\$ 250,366
Watershed Field Coordinator (<i>Ongoing- contract with VA DCR</i>)	\$ 30,000
Councils & Implementation Support (Ongoing)	\$ 10,000
Demonstration Projects (New)	\$ 100,000
Other Projects (New)	\$ 12,000
<u>VITAL HABITATS PLAN</u> SAV Mapping (<i>Ongoing</i>)	\$ 20,000
STEWARDSHIP PLAN	
Citizens' Water Quality Monitoring Program (Ongoing)	\$ 56,000
Teacher Institute (New)	\$ 22,000
Outreach (Ongoing)	\$ 1,600
TRAVEL (Allocated by EPA)	\$ 10,000

Total \$ 511,966

* Estimate from EPA on April 26, 2005 ** Includes: Fringe Benefits based on Social Security (7.65 %) & Retirement (6.82 %) of position's annual salary and Medical Insurance Plan rate of \$3,748 per year and Indirect Costs based on 6.4 % of salary.

V. NON-FEDERAL COST SHARE (Match for FY 2006)

Summary of In-kind Match Requirement

The North Carolina Department of Environment and Natural Resources intends to provide \$512,253 as part of the 1:1 non-federal match.

The match will be provided through in-kind services provided by staff of the Department of Environment and Natural Resources divisions of Water Quality and Forest Resources.

Below is a list of the intended state match:

POSITION	<u>#</u>	<u>SALARY</u>		EFFORT	<u>Match</u>			
OFFICE OF CONSERVATION & COMMUNITY AFFAIRS (OCCA)								
Env. Supervisor	1	82,179		.125	10,272.38			
Admin. Assistant	1	37,090		.125	4636.25			
Field Representative	1	Vacant		0	0.00			
•			Salary	.25	14,908.63			
			Fringe	.25	2,157.28			
DIVISION of WATE	R QUALITY	(Surface Water P	rotection)				
Env. Engineer I	1	39,548.46		1.0	39,548.46			
Env. Chemist II	1	37,886.88		1.0	37,886.88			
Env. Specialist II	1	33,598.80		1.0	33,598.80			
Env. Technician III	1	27,507.36		1.0	27,507.36			
			Salary	4.0	138,541.50			
			Fringe	4.0	25,590.42			
DIVISION of WATE	R QUALITY	(Aquifer Protecti	on)					
Hydrologist I	1	37,886.88	<u> </u>	1.0	37,886.88			
Hydrologist I	1	37,886.88		1.0	37,886.88			
Hydrologist II	1	41,326.32		1.0	41,326.32			
Env. Engineer I	1	39,548.46		1.0	39,548.46			
Env. Specialist II	1	33,598.80		0.75	25,199.10			
			Salary	4.75	181,847.64			
			Fringe	4.75	44,116.35			
DIVISION of FORES	ST RESOUR	CES (Water Ouali	tv Forest	ers)				
Service Forester II	1	44,778		.65	29,105.70			
Service Forester II	1	36,809		.65	23,925.85			
Service Forester II	1	35,873		.65	23,317.45			
		,	Salary	1.95	76,349.00			
			Fringe	1.95	18,356.30			
		Total Salary		10.95	411,647			
		Total Fringe*		10.95	100,606			
		0	n-Kind S	Service Match:	512,253			

* Fringe is based on Social Security (7.65 %) & Retirement (6.82 %) of position's annual salary, plus Medical Insurance Plan rate of \$3,748 per year.

Implementation Match (In-Kind Services Descriptions)

Office of Conservation & Community Affairs

APNEP is located in the Office of Conservation & Community Affairs. NC DENR's Office of Conservation & Community Affairs manages the One North Carolina *Naturally* initiative by leading the development and implementation of a comprehensive statewide conservation plan involving government agencies, private organizations, landowners and the public. Protecting the state's open space areas in this coordinated manner facilitates the more effective use of limited funding sources. One NC *Naturally* also provides support for development of regional open space plans, providing assistance through regional meetings and resource materials.

The match positions are located in the DENR central office and are responsible for program administration and support.

NC Division of Water Quality

The North Carolina Division of Water Quality (DWQ) in the Department of Environment and Natural Resources is the agency responsible for statewide regulatory programs in surface water and aquifer protection.

DWQ's mission is to preserve, protect and enhance North Carolina's surface water and groundwater resources through quality monitoring programs, efficient permitting, responsible management, fair and effective enforcement and excellence in public service.

The all in-kind match positions are located in the NC DENR Washington regional office and are responsible for water quality issues, pollution control permits, permit compliance, evaluation of environmental quality/monitoring, and enforcement actions for violations of environmental regulations. The positions represent the Surface Water Protection and Aquifer Protection sections.

- These positions support the CCMP's Water Quality Plan, Goal: Restore, maintain or enhance water quality in the Albemarle-Pamlico region so that it is fit for fish, wildlife and recreation." and,
- The CCMP's Water Quality Plan, Objective E, Management Action 1: "Continue to track and evaluate indicators of environmental stress, including algal blooms, fish kills, and fish and shellfish diseases."

Water Quality Foresters

In August 2002, the "Forestry NPS Unit" was established within the Division's Forest Management Branch. The organization is charged to develop and implement water quality projects that serve to minimize NPS pollution from forest operations. The Unit also practices technology transfer through BMP related education and training workshops and supporting publications targeted at forest operators and forestland owners. Unit staff also share a role in normal forest management and incident operations undertaken by the Division.

These positions support the CCMP's Water Quality Plan, Objective B, Management Action 1: "Strengthen implementation of forestry best management practices through training, education, technical assistance and enforcement."

VI. TRAVEL

The EPA considers personal, face-to-face contact with peers and colleagues essential for information sharing and technology transfer. As part of the federal grant, EPA provides APNEP with \$10,000 allocated as travel funds for program enhancement, education, and outreach support. These funds are to be used for activities such as:

- 1) Presentations at or participation in national or regional NEP meetings
- 2) Presentations at or participation in workshops or conferences
- 3) Travel to other NEPs or communities to provide peer-to-peer technical assistance
- 4) Travel to other NEPs or watersheds for assistance
- 5) Travel by NEP staff or stakeholders from other NEPs or watershed programs to provide NEP with assistance
- 6) Travel to national or international conferences to share information on the National Estuary Program

Stakeholders may include citizens, members of environmental or public interest organizations, business or industry representatives, academicians, scientists or technical experts. As a requirement of this grant agreement, APNEP core staff are required to attend all meetings called on behalf of the NEPs. These funds cannot be used to pay for travel of Federal employees.

FY 2005

During FY 2005 APNEP staff and citizen volunteers (STAC) attended a number of meetings and conferences using the allotted travel funds. Below is a summary of these activities:

Personnel	Date	Purpose	Location	Cost*
Crowell &	March	ANEP-EPA/NEP	Washington,	\$ 3,000
Giordano	2005	National Meeting	DC	
APNEP Staff	October to	Normal Program	Albemarle –	\$ 3,200
	September	Activities	Pamlico Region	
Staff & STAC	June	STAC Indicator	Smithfield, NC	\$ 800
members		Workshop		
Crowell &	October	ANEP-EPA/NEP	Corpus Christi,	\$ 2,000
Giordano	2004	National Meeting	ΤХ	
APNEP Staff	November	APNEP	New Bern, NC	\$1,000
		Conference		

*Estimate

FY 2006 Projected Travel

All travel is allocated into three categories: In-State, Out-of-State, and EPA Required. All travel must be consistent with NC DENR travel polices and procedures. Due to the dynamic nature of the NEP, we cannot schedule all travel a year ahead: we can only provide an estimate based on established NC DENR rates (below). Some travel is associated with specific projects, and travel costs are included in budgeted amounts.

In-State:

In-State travel is primarily for program staff to conduct routine business associated with APNEP daily operations, staff training or topical meetings germane to the program. It may also cover non-staff for NEP business (i.e. council members, guest speakers, and experts). Rates are listed below.

In-state estimate for FY 2006: 30 trips, among 4 staff members; average cost per trip approximately \$100. Total \$3,000

Out-of-State:

Out-of-State travel is primarily for program staff to conduct business associated with the NEP, staff training or topical meetings germane to the program. It may also cover non-staff (i.e. council members, guest speakers, experts) for NEP related activities. Rates are listed below.

Out-of-State Estimate for FY 2006: 2 trips, 2 days, average cost per trip approximately \$500.00. Total \$1,000

EPA-required:

The NEP holds two national meetings each year (these may be in same fiscal year or not). Each program is required to participate in the meetings. The Spring meeting is held in Washington, D.C. and the fall meeting location rotates among the different NEP sites. The level of staff participation will vary depending on the agenda for a particular meeting. Generally two members attend. It may also cover non-staff (i.e. Board or Advisory Committee members).

Estimate for FY 2006: 2 trips, total, 3 persons --- average cost per trip per person is approximately \$1000.00 (based on prior travel). Total \$6,000

NC DENR TRAVEL RATES

Item	In-State	Out of State	Overnight Trip	Day Trip
Breakfast	\$ 7.00	\$ 7.00	Leave Office before 6:00 AM	Leave Office before 6:00 AM; Extend workday by 2 hours
Lunch	\$ 9.25	\$ 9.25	Leave Office by 12:00 Noon; Overnight return after 2:00 PM	Never claimed on day trip
Dinner	\$ 15.75	\$ 17.75		Depart office before 5:00 PM Return after 8:00 PM Extend workday by 3 hours
Breakfast/ Dinner		<u>.</u>		Leave office before 6:00 AM; Return after 8:00 PM; Extend workday by 5 hours
Hotel (+ taxes)	\$ 59.75	\$ 71.00		

FY 2006 Projected Travel

Personnel	Date	Purpose	Location	Estimated
				Cost
APNEP Staff &	October to	Anticipated	Albemarle –	\$ 3,000
volunteers	September	Program Activities	Pamlico Region	
APNEP Staff	March	NEP meeting	Washington, DC	\$ 3,000
	2006			
APNEP Staff	Oct. 2005	NEP meeting	Newport, RI	\$ 4,000

Attachment 1: Executive Order #74