

Plan Gaps & Priority Analysis



Charlotte Harbor National Estuary Program Technical Report 04-3 Accepted: November 15, 2004

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The Charlotte Harbor National Estuary Program is a partnership of citizens, elected officials, resource managers and commercial and recreational resource users working to improve the water quality and ecological integrity of the greater Charlotte Harbor watershed. A cooperative decision-making process is used within the program to address diverse resource management concerns in the 4,400 square mile study area. Many of these partners also financially support the Program, which, in turn, affords the Program opportunities to fund projects such as this. The entities that have financially supported the program include the following:

U.S. Environmental Protection Agency
Southwest Florida Water Management District
South Florida Water Management District
Florida Department of Environmental Protection
Florida Coastal Zone Management Program
Peace River/Manasota Regional Water Supply Authority
Polk, Sarasota, Manatee, Lee, Charlotte and Hardee Counties
Cities of Sanibel, Cape Coral, Fort Myers, Punta Gorda, North Port, Venice and
Fort Myers Beach
and the Southwest Florida Regional Planning Council.

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The cover graphic is a March 27, 2004 photograph of the Lemon Bay Conference: Citizens Working on Priorities at the End of a Long Day, by Lisa B. Beever, PhD, AICP.

Purpose

This document provides a staff analysis of the Charlotte Harbor National Estuary Program (CHNEP) Comprehensive Conservation and Management Plan (CCMP) adopted in 2000 and approved by the US Environmental Protection Agency (EPA) in 2001. Based on the CCMP Amendment process, the purpose of this document is to provide an initial staff evaluation of the existing CCMP. Concepts presented here are simply for the consideration of the Management Conference and additional suggestion will be considered through the management conference and public participation process. Additional ideas and refinement are expected through these processes. This report also documents existing CHNEP policy regarding priority setting and CCMP tracking.

EPA Guidance

On November 27, 2002, Suzanne Schwartz, Director of the Oceans and Coastal Protection Division of the United States Environmental Protection Agency, sent the letter to conclude their triennial review of the CCMP implementation. CHNEP “passed” the 2002 Implementation Review. Four challenges were identified: CCMP implementation tracking, long-term funding, priority setting process, and environmental indicators. The EPA discussion regarding Priority Setting and CCMP Tracking was as follows:

Priority Setting. Since spring 2002, a greater emphasis has been placed on using the CCMP to guide many activities taking place in Charlotte Harbor. However, to help ensure the relevance of the CCMP to ongoing project activity, EPA recommends that the CHNEP consider developing a process and timetable to periodically and formally reassess CCMP priorities. In addition, EPA suggests that the CHNEP update the CCMP to identify measurable environmental goals and targets as well as time frames for implementation over the next five to ten years.

Implementation Tracking. EPA suggests that the CHNEP refine the Implementation Tracking System to better demonstrate progress to a wide variety of audiences; including the citizens of Charlotte Harbor, State and local government officials, EPA, and others. A comprehensive tracking system should present the status of each CCMP action, including funding sources, partners involved, and environmental results. Other NEPs have successfully used such tracking systems for outreach as well as for educating local partners about how their contribution is helping protect the Bay. Local governments and other partners have, in turn, used the tracking system to market how they have leveraged their contribution to CCMP implementation. An example of a comprehensive tracking system is enclosed.

CCMP Amendment Processes

The CHNEP has adopted two amendment processes: one for minor amendments and one for major updates. The minor amendment process was adopted on February 21, 2003 in order to formalize the process of minor amendments. As stated on the adopted process shown on page 2 of this document, the CHNEP Policy Committee adopted two minor amendments to the CCMP. They were to change language from minimum flows to minimum flows and levels and to add exotic nuisance animals to the language about invasive exotic plants.

The major update process was approved on March 13, 2004 and is shown on page 3 of this document. Item 3 calls for: “Accomplishments toward implementing the CCMP will be documented and available to Management Conference members and the public for consideration of CCMP amendments.” Item 4 calls for: CHNEP staff will develop a report to identify policy gaps and areas of duplication within the CCMP for presentation to the Management Conference.” **This document was developed to address item 3 and 4 of the Major CCMP Update Process.**

Comprehensive Conservation and Management Plan Minor Amendment Process

Charlotte Harbor National Estuary Program Adopted: February 21, 2003

The Charlotte Harbor National Estuary Program (CHNEP) adopted its Comprehensive Conservation and Management Plan (CCMP) in March 2000. On August 15 and December 6, 2002, the CHNEP Policy Committee adopted two minor amendments to the CCMP. They were to change language from minimum flows to minimum flows and levels and to add exotic nuisance animals to language about invasive exotic plants, respectively. On December 6, 2002, the Policy Committee requested adoption of a minor amendment process. This process augments the major amendment process proposed on a 5-year basis.

- 1) Revision of existing quantifiable objectives and existing priority actions are considered minor amendments. Entirely new objectives, actions, and priority problems are major amendments.
- 2) Consideration of a minor amendment is initiated at one of the four CHNEP committees that include Policy, Management, Technical Advisory, and Citizen's Advisory.
- 3) The Management, Technical Advisory, and Citizen's Advisory Committees must all three provide recommendations in favor of the amendment. Unanimous votes in favor of the recommendation are desired but not necessary for the item to move to the Policy Committee for action.
- 4) Any committee member may request the minor amendment. The request may be made 2 weeks prior to their committee meeting, during deliberations concerning a related matter, or under members' comments. A citizen or organization may request a minor amendment during public comments.
- 5) Only the Policy Committee has the authority to amend the CCMP. All minor amendments will be considered for adoption during the spring (February) or autumn (August) meeting of the Policy Committee.
- 6) The Policy Committee must adopt the amendment by a 2/3 majority of the entire Policy Committee.

Comprehensive Conservation and Management Plan Major Update Process

Charlotte Harbor National Estuary Program Adopted: March 15, 2004

The Charlotte Harbor National Estuary Program (CHNEP) adopted its Comprehensive Conservation and Management Plan (CCMP) in 2000 with EPA approval in 2001. The CHNEP intends to update its CCMP every 5 years. This reflects amendment cycles required of local comprehensive plans in Florida. Experiences of other NEPs suggest that it requires 18 months to update an approved CCMP.

- 1) The CHNEP intends to approve a major CCMP update by 2006 and every 5 years thereafter.
- 2) The update will be launched at least 18 months prior to the CCMP proposed adoption date.
- 3) Accomplishments toward implementing the CCMP will be documented and available to Management Conference members and the public for consideration of CCMP amendments.
- 4) CHNEP staff will develop a report to identify policy gaps and areas of duplication within the CCMP for presentation to the Management Conference.
- 5) The CHNEP's subcommittee structure will be used for detailed review of the CCMP objectives and actions, providing recommendations to the Management Conference.
- 6) An initial "Call for Recommendations" will be issued to all Management Conference members, the general public, and any other stakeholders. The "Call for Recommendations" will be advertised in the *Harbor Happenings* newsletter and on the www.charlotteharbornep.org website.
- 7) Initial recommendations will be compiled, including those from the "Call for Recommendations," suggestions from CHNEP committees and subcommittees, and adopted positions of the Policy Committee. For example, the Policy Committee requested a vision component be added to the CCMP on December 6, 2002. CHNEP staff recommendations will be considered through the subcommittee structure.
- 8) Twelve months prior to the CCMP update, the Management Conference will review the recommendations to determine the extent of additional workshops, focus groups, and other techniques that will be needed.
- 9) After initial recommendations are received, a survey instrument will be developed for issuance through the conference, newsletter, and website. The survey will incorporate elements of the initial recommendations that the conference wishes to investigate.
- 10) After survey results are received and tabulated, at least one round of workshops (which may be subcommittee meetings) will be organized to update the CCMP. Workshops will be designed to be enjoyable and effective.
- 11) At least one conference cycle will be utilized to review the draft CCMP amendment. Policy Committee approval of the major update must be unanimous.
- 12) A signing ceremony for the newly amended plan will establish the continuing consensus.
- 13) Partners will enter into an agreement which outlines general implementation commitments and funding goals.

CCMP Document Structure

The CHNEP was established in 1995 and is part of the latest tier of NEPs in the country. As such, many lessons learned from other NEPs were incorporated into the CCMP. It was adopted in 2000, approved in 2001, and is expected to be updated by the end of 2006. In general, it is a well-written document and has served to guide the CHNEP well.

Physical Structure

The CCMP was published in 2 volumes. *Volume 1* is the main part of the management plan. The management plan has *goals*, *quantifiable objectives*, and *priority actions*. These *priority actions* are the specific strategies for achieving the *goals* and *quantifiable objectives* for each of the three *priority problems*: hydrologic alterations, water quality degradation, and fish and wildlife habitat loss.

Volume 2 describes each preliminary implementation project, as provided by its sponsoring organization. The projects in *Volume 2* are organized first by the basin where the project is located, and then by sponsoring organization. The basins include (1) Regionwide; (2) Caloosahatchee River and Watershed; (3) Lower Peace and Myakka Rivers; and (4) Upper Peace and Myakka Rivers. To assist the reader in finding the page number for a particular project, several indexes of the projects are provided in *Volume 2*. Also, an extensive list of acronyms is provided in both volumes of this document.

Clearly, Volume 1 provides the guidance to the CHNEP and Volume 2 documents the preliminary implementation of the CCMP. When asked, Citizens Advisory Committee members have stated that they have used Volume 2 from time to time as a reference. However, Volume 1 is the actual plan and guide for the management conference.

Since the adoption of the CCMP, a digital CCMP tracking system has been established to document research, restoration, legislation, and public outreach programs that implement the CCMP. Because new programs are initiated consistently in support of the CCMP, Volume 2 became outdated very quickly and the digital tracking became the better source of information.

Recommendation: Publish only Volume 1. Make the CCMP Tracking System available over the internet in place of Volume 2. Produce paper copies of the tracking on request, so that the most up-to-date information is provided.

Production Quantities

In 2000, 3000 copies of both volumes of the CCMP were published. Because larger quantities of a publication cost less than smaller quantities, an estimated supply for 5 years was ordered. As it turned out, volume 1 was more popular than volume 2. Furthermore, expanded use of the internet has led more individuals to seek the information from the CHNEP website. As a PDF file, the document is easier to navigate because of the “find” function. Because of this reduced demand for paper copies and less demand for volume 2, many boxes of the CCMP will be recycled.

Recommendation: Publish fewer paper copies of the CCMP.

Priority Problems

The original “Streamlined Nomination of Charlotte Harbor, Florida to the National Estuary Program” identified 3 priority problem areas: hydrologic alteration, eutrophication, and habitat loss. Through the development of the CCMP, the 3 priority problems were retained with very little modification. Eutrophication was modified to water quality. Through the period the CCMP was developed, discussion on “Public Education and Outreach,” “Governance, Implementation & Financing,” and “Monitoring Watershed Improvements & Exchanging Information” were added to the back of the document to meet federal requirements. Although these three areas are part of the CCMP and implementation is expected, they are not well captured by the quantifiable objectives or priority actions. CCMP implementation is measured, in part, by the implementation of priority actions.

Issues of “Public Education and Outreach,” “Governance, Implementation & Financing,” and “Monitoring Watershed Improvements & Exchanging Information” can be summarized as information delivery.

Recommendation: Add a priority problem area for “Information Delivery.”

Introductory Sections

Introductory Sections include “Introduction,” “Management Conference Members,” “State of the Watershed,” “Watershed Management,” and “Early Actions for Watershed Conservation.” These sections were well-written and informative.

Recommendation: Simply update the first 6 sections of the CCMP with little modification of structure and language.

Priority Action Arrangement

The priority actions are lettered according to a pre-CCMP adoption numbering scheme resulting in such letters as HA-I/HA-J/HA-K and FW-I/FW-T. As a result, there are seemingly missing spots in the priority action lettering. For example, FW-S is next to FW-U. The longer than necessary codes are awkward and more difficult to memorize. There is also very little logic behind the arrangement of priority actions from A to Z. For example, on-land boater sign program is FW-F and a shallow water resource marking program is FW-J/FW-K/FW-O. They are very similar in nature but not listed next to one another. One alternative is organizing the priority actions according to research, restoration, legislation, and outreach.

Recommendation: Organize priority action according to a schema and re-letter priority actions prior to adoption.

Hydrologic Alterations Objectives and Actions

Hydrologic Alterations Quantifiable Objectives

The Hydrologic Alterations section has 4 quantifiable objectives. The shortened version of these objectives are:

- **HA-1:** Establish values for minimum seasonal flows and levels.
- **HA-2:** Establish a more natural seasonal variation in freshwater flows.
- **HA-3:** Restore historic subbasin boundaries and natural hydrology for basins.
- **HA-4:** Reduce hydrologic effects of artificially created structures (such as weirs.)

The four issues addressed are well rounded and appear to be comprehensive. However, the following gaps should be considered in the CCMP update:

- The MFL language should be related to a “no harm” doctrine.
- Establish policies for maximum flows.
- Establish basin water budgets.
- Track impervious surface contributions, BMPs, etc. through a land monitoring system.
- Conservation and restoration of creeks and flow-ways that have shallow, vegetated, and serpentine components.
- Discourage the dredging of new navigation and drainage canals.
- Discourage inter-basin transfers.
- Expand HA-4 to include new reservoirs.

Hydrologic Alterations Priority Actions

| OBJECTIVE | Action | PRIORITY ACTION SHORTNAME |
|--------------------|----------|---|
| Research | | |
| HA-1, HA-2 | HA-B | Identify gaps in flow data |
| HA-1, HA-2, HA-3 | HA-C | Evaluate interaction between ground and surface water |
| HA-4 | HA-O | 3-D model to analyze Sanibel Causeway alternatives |
| HA-1 | HA-P | Evaluate alternatives to Hancock structure |
| Restoration | | |
| HA-1, HA-2 | HA-D | Encourage water efficiency and reuse |
| HA-1, -2, -3, HA-4 | HA-F | Re-establish surface flows |
| HA-1, HA-2, HA-3 | HA-G | Plug abandoned wells |
| HA-1, HA-2, HA3 | HA-H | Restore levels to historic mean |
| HA-2, HA-3 | HA-L | Implement South Lee County Plan |
| HA-2, HA-3 | HA-N | Ensure representation in Restudy (CERP/SWFFS) |
| HA-1, HA-2, HA-3 | HA-Q | Restore hydrologic features of Peace floodplain |
| Legislation | | |
| HA-1 | HA-A | Establish MFLs |
| HA-1, HA-2 | HA-E | Discourage deep-well wastewater |
| HA-3 | HA-M | Prevent transportation impacts to hydrology |
| Outreach | | |
| HA-1,-2,-3, HA-4 | HA-I/J/K | Create and implement public information program |

For research-related priority actions consider:

- Delete HA-O and HA-P as implemented.
- Analyze Wetland Monitoring Reports Submitted to the WMD from Wells
- Assess impacts of vehicle tread marks on salt marshes
- Assessing the Relationship Between Salinity and the Blue Crab Fishery in the Caloosahatchee River
- Black Mangrove Marsh as Water Level Stage Performance Measures
- Changes in phytoplankton community dynamics in Charlotte Harbor and implications for hypoxia and red tide
- Compare Water Use to Programmatic Variables
- Cumulative Impacts of Intra-Coastal Waterway Dredging
- Develop BMP Manual for SWF With Cost/Benefit Assessments
- Estuarine Flows and Mixing-Circulation Models
- Evaluate Lake Management Strategies in upper Peace River Basin & Winter Haven Chain of Lakes
- Evaluation of the Impacts of Man-made Barriers to Historic Flows
- Expand Bathymetry Mapping to Entire Study Area

- Expand Hydrologic Model to Charlotte Harbor Study Area
- Improved Topographic Resolution
- Link MFL to water Table
- Regional / Sub regional Water and Nutrient Budget
- Relating Southwest Florida's hydrologic models to its natural systems' models
- Salinity Regime
- Saltterns as Water Level Stage Performance Measures
- Sheng Model Evaluation and Modeling of Regulatory Releases
- Subsurface Hydrology in Natural Communities at Myakka River State Park and Beker B Property
- Surface-water, groundwater, & water-quality monitoring networks to address key watershed issues
- Update Delineation of the Regional Flow ways
- Wildlife and Flow-way Crossing Study

For restoration-related priority actions consider:

- Add a priority action to reduce the impacts of structures such as weirs by removal or other means.
- Eliminate HA-L because most of it has been implemented and a shift to other plans.
- Restate the Restudy as Everglades Restoration.
- Remove Spoil Berms and Mosquito Ditches.
- Restore hydrologic connections under roads and causeways.
- Restore canals by widening them, making them shallower and sinusoidal, smoothing our 90 degree turns, and bulging out with filter marshes.
- Restore channelized streams to natural conditions.
- Improve the environmental function of borrow pits by installing
- Re-establish and manage broad sloughway systems, sheetflow areas, and lake floodplains with public acquisition if necessary.
- Remove exotic vegetation to restore historic water flows.
- Remove farm and other ditches which drain historically isolated wetlands.
- Restore topography of high marsh systems that have had vehicle trail damage and other hydrologic modifications.
- Removal of the control structure on Deer Prairie Creek.
- Remove submerged pilings that used to support old structures.
- Add no more causeway area and remove causeway area as opportunities allow.
- Eliminate dumping excess water into Flatford and other swamp and riverine systems through recycling of agricultural water.
- Improve water control structures to allow for seasonal variation to provide proper water depths for valued ecosystem components.
- Encourage stormwater systems with broad littoral zones to better replicate natural lakes and to improve public safety.
- Acquire land to remove weir at warm mineral springs, Rare Golden Leather fern found here. This weir is blocking a great deal of water and sediment that should be flowing at a regular pace through the warm mineral springs.
- Install a weir to divert some water into water-starved stream systems such as Yellow Fever Creek.

- Alternative sources for irrigation such as stormwater ponds will promote on-site reuse/recycling of water

For legislation-related priority actions consider:

- Eliminate HA-E because of legislative conflicts or evaluate interagency rule conflicts re: TMDL, AWT, Deep Well Injection.
- Establish a maximum flow position.
- Evaluate and pursue legislation to revise Maintenance Dredging Exemptions.
- Fund a Region-Wide EIS in Peace and Myakka Basins.
- Fund Compliance and Enforcement positions for environmental permits
- Limit hording of water in dry season and dumping at the beginning of wet season at permit level.

For outreach-related priority actions consider:

- Water conservation program of public utilities implemented study-area wide.

For additional consideration in the CCMP update:

On May 11-12, 2004, the Charlotte Harbor National Estuary Program held a two day workshop on water budgets and how the change to the natural water budget had affected Charlotte Harbor. The Workshop consisted of an introductory workbook describing the water budget, a series of speakers on components of the water budget, and on issues related to its change, and concluded with small group sessions on answers and solutions.

The workshop drew the following conclusions:

1. Whether we want to admit its existence, there is a "water budget" in nature, and we have been altering its inputs and outputs.
2. An understanding of the water budget is necessary in order to have effective water management.
3. Our land and water management has affected the water budget to such a degree that we have harmed the estuary.
4. We have to have an understanding of what and how changes can be made to restore to a degree the water budget the estuary needs to normal.
5. We should be the advocates for that change.

The workshop had the following findings:

1. In the name of flood protection, we have overdrained the land to such a degree that we have incurred public harm.
2. We do not manage watersheds with an understanding of the impact of increased percentages of impervious surfaces.
3. Water quality impacts have occurred from overdrainage and impervious surfaces that we did not want to happen.
4. Water is no longer stored within the groundwater systems in the volumes that sustain our current and forecasted development nor our desired terrestrial ecology.
5. There are enough gaps and lack of information for reasonable people to differ on the appropriate management responses.
6. Land management and water management are not coordinating towards the same goals needed for the estuary.

The Land Monitoring Workshop shall further some of the findings of the Water Budget Workshop and the CCMP by addressing some of the findings and conclusions this way:

1. Describe Comprehensive Planning and Watershed and Water supply planning as it is in Florida today, including how the systems are monitored.
2. Identify where public policy had conflicts with restoring key components of the water budget, which are (1) surficial and groundwater freshwater storage, and (2) the runoff vs ET ratio.
3. Identify the need to plan stormwater management systems towards storage goals, not runoff goals.
4. Identify the need to plan watershed management works towards the PLANNED degree of impervious surface (and where) throughout the basin, rather than by project permit by project permit.
5. Identify and recommend the management structural reforms that will accomplish this.
6. Promote the understanding that over the next 50 years, virtually every square inch of the Harbor watershed will be coming in for some form of redevelopment or another, so that with a master plan (tied to results), reform is doable.

Water Quality Objectives and Actions

Water Quality Degradation Quantifiable Objectives

- **WQ-1:** Identify waterbodies that do not meet their designated water quality standards.
- **WQ-2:** Develop Total Maximum Daily Loads (TMDLs).
- **WQ-3:** Identify specific actions and develop timetables for achieving TMDLs.
- **WQ-4:** Meet shellfish harvesting standards in Class II waters.
- **WQ-5:** Restore Lake Hancock to Class III Trophic State Index water quality standards.
- **WQ-6:** Meet or exceed designated water quality standards.
- **WQ-7:** Identify waterbodies that should be designated as Outstanding Florida Waters.

Items 1-6 are related to meeting water quality standards and are somewhat redundant. In addition, the following gaps should be considered in the CCMP update:

- Reduce severity and extent of unnatural harmful algal blooms (HABs), including red tide.
- Restore groundwater quality.
- Develop standards for pharmaceutical presence in waterbodies.
- Bring all impaired waterbodies into watershed management (such as Reasonable Assurance)

Water Quality Priority Actions

| OBJECTIVE | Code | PRIORITY ACTION SHORTNAME |
|------------------------|--------|--|
| Research | | |
| WQ-1, WQ-2, WQ-3 | WQ-C/D | Identify gaps for TMDLs |
| WQ-3 | WQ-O | Atmospheric deposition research and design |
| WQ-1, WQ-4 | WQ-A | Shellfish monitoring network |
| WQ-1, 2,-3, WQ-4 | WQ-F | Assess cumulative impact of septics |
| Restoration | | |
| WQ-1,-2,-3,-4,-5,-6 | WQ-E/M | Install or retrofit BMPs |
| WQ-2, -3, -4,WQ-6 | WQ-N | Reduce non-point from stormwater |
| WQ-1, -2, -3, -4, WQ-6 | WQ-G | Provide central sanitary sewers |
| WQ-3 | WQ-P | Reclaimed water incentives |
| WQ-6 | WQ-Q | Reduce contaminants from boat facilities |
| WQ-1, WQ-5 | WQ-H | Install filtration marshes Lake Hancock |
| WQ-2 | WQ-J | Buffer zone around Lake Hancock |
| WQ-5 | WQ-K | Remove Lake Hancock muck |
| Legislation | | |
| | | None, but needed to implement objectives |
| Outreach | | |
| WQ-1, 4, -5, -6, WQ-7 | WQ-B | Promote awareness on water quality |
| WQ-3 | WQ-I | Florida Yards and Neighborhoods |
| WQ-5 | WQ-L | Lake Hancock Public Involvement program |

For research-related priority actions consider:

- Determine the relationship between nutrients and phytoplankton/algal blooms.
- Invest in real-time water quality data collection, analysis, and delivery.
- Assess impacts of arsenic from boat docks and marinas
- Assess Phytoplankton Species Composition and Abundance in Myakka Lakes
- Identify more accurate nutrient loading rates from various land uses in the Charlotte Harbor Watershed
- Impacts of pharmaceuticals/endocrine disruptors
- Monitoring for development of dissolved oxygen site specific alternative criteria in the Myakka River Basin
- Origins of Organic Matter within the Sediments of the Charlotte Harbor NEP Study Area
- Surface Water Monitoring
- Triennial Water Quality Analysis
- Volunteer Water Quality Monitoring Program

For restoration-related priority actions consider:

- Reduce the occurrences of fish lesions.
- Group Lake Hancock-related restoration into one action.
- Install filter marshes.

For legislation-related priority actions consider:

- Participate in the development of 303(d) Verified Lists and TMDLs.
- Advocate Pollutant Load Reduction Goal (PLRG) adoption.

For outreach-related priority actions consider:

- None recommended at this time.

Fish and Wildlife Habitat Objectives and Actions

Fish & Wildlife Habitat Loss Quantifiable Objectives

- **FW-1:** Achieve a 25 percent increase in stewardship lands.
- **FW-2:** Restore and prevent loss of
 - a) native submerged aquatic vegetation;
 - b) intertidal un-vegetated habitats;
 - c) mangrove habitats;
 - d) saltwater marsh habitats;
 - e) freshwater wetland systems;
 - f) oyster bars; and
 - g) native upland communities.
- **FW-3:** Reduce propeller damage to seagrass beds.
- **FW-4:** Removal and manage invasive exotic plants and exotic nuisance animals.

Items 1-4 are comprehensive and appear well-rounded. However, the following gaps should be considered in the CCMP update:

- Add "submerged and" to "intertidal unvegetated habitats."
- Update FW-1 for new time span and addressing increases by basin.

Fish and Wildlife Habitat Priority Actions

| OBJECTIVE | Code | PRIORITY ACTION SHORTNAME |
|--------------------|----------|---|
| Research | | |
| FW-2, FW-3, | FW-M | Develop methods for seagrass recovery |
| FW-3 | FW-H | Digital internet resources map system |
| Restoration | | |
| FW-1 | FW-S | Bring land under protection |
| FW-1 | FW-U | Acquire undeveloped lands to increase habitat |
| FW-2, FW-4 | FW-A | Remove invasive plants and animals |
| FW-2 | FW-B/P | Enhance habitat along waterbodies |
| FW-2, FW-4 | FW-C | Restore wetlands |
| FW-2 | FW-V | Identify oyster bars for restoration |
| FW-2 | FW-R | Promote fishery/shellfish programs |
| Legislation | | |
| FW-3 | FW-L | Support additional env compliance/enforcement |
| FW-2, FW-3, FW-4 | FW-Q | Ensure compliance of environmental regulations |
| FW-3 | FW-N | Work for boater licenses/increased FMP |
| Outreach | | |
| FW-2 , FW-3 | FW-D | Educate on environmentally responsible boating |
| FW-3 | FW-E | PSA & video on avoiding impacts to seagrass |
| FW-2, FW-3 | FW-F | Custom signs for boaters |
| FW-2, FW-3 | FW-J/K/O | Shallow water resource marking program |
| FW-3 | FW-G | Distribute boater maps and stickers |
| FW-2, FW-3 | FW-I/T | Develop habitat and wildlife education programs |

For research-related priority actions consider:

- Analyze Mitigation bank monitoring reports
- Assess the impacts of firelines
- Assess the Magnitude and Extent of Chemical Contamination and Toxicity of Sediments
- Assessment of the Adverse Ecological Impact of Agricultural Chemicals in Freshwater Habitat
- Best Management Practices (BMP's) for Fish and Wildlife Habitat Conservation on Agricultural Operations
- Boat Ramp and Marina Signage Needs Assessment
- Bottom Sediments at the Widening of the Caloosahatchee and Peace Rivers
- Conductivity Change Implications for Freshwater Wetland Biota
- Develop a community profile of salt marsh systems
- Develop an integrated GIS for Study Area
- Develop benthic index for mud and salt flats of Charlotte Harbor

- Develop oyster bar monitoring program for spat recruitment, percent living/dead and disease
- Distribution and Status of Listed Vascular Plant Species
- Effects of Grazing on Plant Communities
- Effects of Hypoxic and Anoxic Condition on Benthic Organisms in Charlotte Harbor
- Effects of using native plant stocks from outside the area for restoration
- Evaluate Life History of Reptile/Amphibian Populations as an indicator of Ecosystem Shift
- Fisheries Dependent Monitoring
- Freshwater Invertebrates as Indicators of Cultural Eutrophication
- Functional Ecology of Ephemeral Wetlands
- Impacts of Boat Propeller Scars on Organisms that Rely on SAV and/or Open Bottom Habitats
- Impacts of Canal/Lake Management Activities on Fish and Wildlife in Southwest Florida
- Increase Shellfish/WQ Monitoring Program
- Investigate the change in white mangroves distribution to determine causes
- Obtain Data to address gaps identified by the 2004 NEP Habitat Change Analysis report
- Occurrence and abundance trends of mangrove-dependent passerine birds in southwest Florida
- Optical model for Estero, Dona and Roberts Bays
- Perturbation studies of Watercraft Impacts to Water birds and Sea Grasses
- Seasonal Distribution of Freshwater Fish in Ephemeral Wetlands
- Update of the RRCT Research and Monitoring Database
- Wading Birds as Environmental Indicators

For restoration-related priority actions consider:

- Add a priority action to protect and restore upland habitats.
- Add a priority action to protect submerged and intertidal unvegetated habitats.
- Group the two land acquisition priority actions.
- Install wildlife and hydrologic underpasses.
- Revegetate native plant communities such as riverine systems.
- Discourage removal of native plant communities.
- Fill in seagrass scars with substrate to promote faster recovery.

For legislation-related priority actions consider:

- Group the two environmental compliance priority actions.

For outreach-related priority actions consider:

- Group the five responsible boating priority actions as a responsible boating outreach plan.
- Provide interpretive signage on hiking and canoe trails.
- Continue providing seagrass wading trips.

Information Delivery

Information Delivery Quantifiable Objectives

As stated earlier in this document, issues of “Public Education and Outreach,” “Governance, Implementation & Financing,” and “Monitoring Watershed Improvements & Exchanging Information” are not well captured by the quantifiable objectives or priority actions. Therefore a new priority problem area entitled “information delivery” is recommended.

The entire area of information delivery is a gap. Although some issues of “Public Education and Outreach,” “Governance, Implementation & Financing,” and “Monitoring Watershed Improvements & Exchanging Information” are addressed under the existing three priority problem areas, they are specific to that priority problem area.

Delivery of information is a critical component of implementing the CCMP. Required aspects of the CCMP include outreach to various publics and data management. Information can be delivered in a variety of methods. These methods include newsletters, web sites, events, publications, conferences, field trips, workshops, etc

The following information delivery themes should be considered as quantifiable objectives are drafted for the CCMP update:

- Conduct a public outreach program to inform various publics which reaches every basin in the study area, using web sites, events, publications, newsletters, video, education programs, and special projects.
- Provide a variety of mechanisms for average citizens to influence CHNEP policy.
- Increase the relevance of the CHNEP as an information source for media, policy-makers, elected officials (local, state, and federal) in part through advocacy position.
- Develop financial mechanisms to implement plan elements.
- Conduct monitoring programs that address data gaps.

Information Delivery Priority Actions

For research-related priority actions consider:

- Adopt a comprehensive inventory of research needs annually.
- Maintain a quarterly environmental monitoring summary.
- Coordinate environmental monitoring networks and research programs for methodological similarity and study-area wide coverage.

For restoration-related priority actions consider:

- Adopt and maintain a comprehensive inventory of restoration needs.

For legislation-related priority actions consider:

- Adopt and maintain a comprehensive list of federal and state legislative needs.
- Provide state and federal agencies information on legislative and policy issues that impact the watershed and estuaries.
- Provide citizens the opportunity to advocate positions to become CHNEP policy.

For outreach-related priority actions consider:

- Generating a list from CAC and other conference members.

Appendix A

CCMP Accomplishments

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---------------|------|----------|-------------|-------------|----------|
|---------------|------|----------|-------------|-------------|----------|

FW-A

Where practical, identify and remove areas of heavy invasive exotic vegetation from the Charlotte Harbor NEP study area.

| | Implementation | | | | |
|--|-----------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Amberjack Environmental Park | \$196,400.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Aquatic Nuisance Species Surveillance and Education Network | \$5,308.50 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Cape Haze Pioneer Trail | \$24,500.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cedar Point Park | \$3,500.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cedar Point Restoration | \$32,520.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte County Aquatic and Exotic Vegetation Control | \$1,074,509.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte Flatwoods | \$200,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte Harbor State Buffer Preserve | \$76,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Cape Coral Brazilian Pepper removal | \$695,900.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Punta Gorda Exotic Tree Removal | \$102,376.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Sanibel Invasive Exotic Plant Eradication, revegetation, and restoration | \$1,440,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Community Level Impact of West Indian Marsh Grass on the Myakka River Water | \$21,948.00 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Control of Invasive Grasses in the Myakka River Watershed by Park Volunteers | \$45,713.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Eradication of Introduced Carnivorous Lizards from the Cape Coral area | \$51,664.00 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fire on the Buffer | \$3,269.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Gulf Ridge Preserve Restoration Project | \$45,450.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| High Marsh Restoration at Charlotte Harbor State Buffer Preserve | \$31,080.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka Prairie | \$9,823.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River State Park Hydrologic Restoration | \$69,298.88 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Park Eradication of Brazilian Peppers Project | \$54,800.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| RV Griffin Reserve | \$95,001,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tippecanoe East Exotic Species Project | \$19,212.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tippecanoe Environmental Park | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Upper Myakka River Watershed | \$10,082,756.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| York Island | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| 4-Mile Ecological Preserve | \$75,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6-Mile Cypress for International Center | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6-Mile Cypress Mitigation for 3 Oaks | \$930,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bayshore Conservation Easement | \$25,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Big Island | \$30,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bluejack Oak Parcel | \$3,360,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Buffer Preserve at Punta Rassa Cove | \$350,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bunche Beach | \$600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Buzzard Roost | \$10,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Caloosahatchee Creeks | \$1,166,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Caloosahatchee estuarine oxbows, west of the Franklin Dam | \$4,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Caloosahatchee spoil removal and underlying area restoration | \$1,150,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Carlton Reserve | \$29,478,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte Harbor Buffer Preserve Exotic Removal | \$10,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Conservation 2020 #147 | \$60,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Conservation 2020 Property 121 | \$3,229,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Daniels Cypress Dome | \$455,820.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Deer Prairie Scrub | \$300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Eagle Buffer Preserve | \$60,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| East Estero Bay Buffer | \$5,120,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Effects of Grazing on Plant Communities | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| Effects of using native plant stocks from outside the area for restoration | \$150,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Egret Island | \$13,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| El Jobean Brazilian pepper removal | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Estero Bay Buffer Preserve Exotic Removal | \$5,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fisherman's Key | \$64,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Galt Island Road, north side | \$172,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hog Island | \$38,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| I-75 Bridge South Landing | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| I-75 Island | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Imperial River Preserve | \$1,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Investigate the change in white mangroves distribution to determine causes | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| J. Naumann | \$20,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Johnston Tract | \$80,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Kings Wood Country Club Mitigation Site | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Koch Property | \$350,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lemon Bay Preserve Site Enhancement | \$317,373.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Little Farms | \$2,622,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Little Pine Island Mitigation Bank | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lower Powell Creek Marshes | \$1,342,600.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Manatee Island Complex | \$100,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Mangrove shoreline adjacent to Egret Island | \$300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Marsh Point. Marsh Creek | \$90,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Matanzas Pass Preserve | \$30,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| McCardle Island | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Midway Island | \$10,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Mullock Creek Preserve | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka Cutoff Buffer Preserve | \$768,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|-----------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Myakka River Project | \$110,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka State Forest | \$8,087,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka State Park Exotic Removal | \$37,328,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| North Estero Bay Buffer | \$10,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| North Orange River east of Manatee Park | \$13,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Optimum boundary parcel | \$24,650,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pasture restoration in the state park | \$5,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pelican Landing Mangrove | \$400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Peninsula east of Beautiful Island | \$30,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Popash Creek Headwaters- Lee | \$2,862,708.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Royal Palm Estates | \$695,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| San Carlos Bay Spoil Islands | \$50,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| San Marino Brazilian Pepper Removal | \$3,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Seaside Mahoe Eradication | \$189,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Shady Oaks on Billy Creek | \$245,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Smokehouse parcel | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Spring Creek Flow-way | \$3,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| St. Jude Marsh | \$720,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Starvation Key | \$6,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| State park exotic removal | \$649,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| The parcel formerly known as Osprey Village | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Thompson Cutoff Island | \$10,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Thompson Cutoff Northeast | \$513,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Trout Creek/Strickler Gulley Corridor | \$3,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Valles Property | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Vegetation of pastures on Myakka Prairie Parcel | \$37,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Vinca Way and Highland Woods | \$30,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|----------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| Ward Island Peninsula | \$25,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| West Branch Daughtrey's Creek | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| West Tippecanoe Bay | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| West Wall Charlotte Harbor State Buffer Preserves | \$1,200,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| WINK's Elbow | \$18,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Yucca Pens (Charlotte Harbor Flatwoods) | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

FW-B/P

Enhance fish and wildlife habitat along shorelines including canals, lakes, riverine systems, and artificial waterbodies.

| | Implementation | | | | |
|--|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Canoe/Kayak/Imperial River Public Access Program | \$5,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| FDEP General Permit for Seawalls | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gilchrist Park Rip Rap | \$85,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Upper Peace River-Educational and Interpretive Kayak Programs | \$5,988.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | | | | | |
| | Plan | | | | |
| Caloosa Yacht and Racket Club | \$40,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Cape Coral Mangrove Shelves | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Develop benthic index for mud and salt flats of Charlotte Harbor | \$150,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Estero Dune Restoration | \$10,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Impacts of Canal/Lake Management Activities on Fish and Wildlife in Southwest F | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Imperial River/Little Hickory Island/Creek & Stream Protection Overlay Zone Surv | \$50,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Little Estero Island Critical Wildlife Area | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Manual's Branch Shoreline Planting | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

FW-C

Restore freshwater and estuarine wetland areas, especially those adversely impacted by ditching, using the following methods: the backfilling of ditches, the removal of spoil piles, the elimination of exotic vegetation, and other restoration techniques.

Implementation

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|----------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Dynamics of Tree Mortality and Mangrove Recruitment within Black Mangrove D | \$53,058.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Effects of Invasive Exotic Vegetation on Wetland Functions | \$73,523.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Habitat Status and Trends, 1945 to 2002 | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lemon Bay Preserve Ecosystem Restoration | \$5,305,922.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Plan | | | | | |
| Analyze Mitigation bank monitoring reports | \$150,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Assess impacts of vehicle tread marks on salt marshes | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Assess the impacts of firelines | \$200,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bailey Tract | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Best Management Practices (BMP's) for Fish and Wildlife Habitat Conservation on | \$62,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Black Mangrove Marsh as Water Level Stage Performance Measures | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Corkscrew Mitigation Bank | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Distribution and Status of Listed Vascular Plant Species | \$150,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dry prairie restoration | \$50,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Evaluate and pursue legislation to revise Maintenance Dredging Exemptions | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Evaluate Life History of Reptile/Amphibian Populations as an indicator of Ecosyst | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Functional Ecology of Ephemeral Wetlands | \$1,000,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Habitat restoration of pine flatwoods | \$30,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| KOA area mangroves | \$200,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Occurrence and abundance trends of mangrove-dependent passerine birds in south | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Removal of Mosquito ditches on public land when possible | \$5,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Seasonal Distribution of Freshwater Fish in Ephemeral Wetlands | \$50,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Vehicle and fire lines on public lands | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Wading Birds as Environmental Indicators | \$30,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| West Sanibel River, fake Dewitt Preserve | \$300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---------------|------|----------|-------------|-------------|----------|
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FW-D Develop a program to educate people about environmentally responsible boating practices.

| | Plan | | | | |
|---|--------|--------------------------|--------------------------|--------------------------|--------------------------|
| Charlotte Harbor Orientation Guide Book | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

FW-E Develop both a public service announcement and a longer video on boating impacts to seagrass beds and how to avoid seagrass damage.

| | Implementation | | | | |
|----------------|----------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Seagrass Video | \$9,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Video Series | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

FW-F Develop, install, and maintain custom signs indicating the location of shallow areas (such as seagrass beds, mudflats, oyster beds, etc) to be placed at boat ramps and other appropriate locations where there is high boat use.

| | Plan | | | | |
|---|-------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| Boat Ramp and Marina Signage Needs Assessment | \$20,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

FW-G Develop and distribute boater maps and stickers for the Charlotte Harbor NEP areas, including resources to avoid.

| | Implementation | | | | |
|------------------------------------|----------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Boaters Guide for Charlotte County | \$17,500.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Boaters Guide for Lee County | \$7,500.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

FW-H Develop and support digital resources map system on the Internet for the public to use.

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|----------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| | Implementation | | | | |
| Charlotte Harbor NEP Website | \$50,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Develop an integrated GIS for Study Area | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Southwest Florida Regional Planning Council Interactive Mapping System (SWFR) | \$60,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Plan | | | | |
| Update of the RRCT Research and Monitoring Database | \$30,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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| FW-I/T | Develop programs to improve public awareness of habitat and wildlife issues. |
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| | Implementation | | | | |
| Charlotte Harbor and Peace River SWIM Education | \$55,942.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Children's Book | \$15,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| City of Auburndale Trails | \$336,500.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| City of Cape Coral Environmental Recreation | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| City of Cape Coral Park Acquisitions | \$4,664,935.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Eagle Lake Beach Project | \$279,677.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Eagle Lake Mistletoe Marketplace Butterfly Garden | \$4,776.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Experience Estero Bay | \$7,091.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| FDEP Kids Page | \$60,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Florida Native Plants and Habitats: An Outdoor Classroom at Manatee Park | \$4,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Keep our Creeks Clean - Lee County | \$6,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Lake to Lake Connector Design | \$25,553.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Lee County School District Environmental Education Program | \$700,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Lee County Smart Growth | \$739,774.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Mapping Marine Resources with GIS | \$3,923.33 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Pick Preserve Bird Blind | \$61,565.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Ponce de Leon Park Boardwalk | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|--------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Sailing Through the Environment of Charlotte Harbor | \$3,190.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Seagrass Wading Trips | \$57,322.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Southwest Florida Amphibian Monitoring Network | \$5,030.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sunrise Environmental Park | \$570,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| The Extinction of Experience | \$3,953.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| The Power of Fire and Water: Center Tract Interpretive Signage | \$20,379.75 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Plan | | | | |
| Catalog Environmental Agency environmental education programs | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Charlotte Harbor Funding Bill | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Eagle Lake Beach and Park | \$30,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Hardee County boat docks & ramps | \$381,775.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

FW-J/K/O Develop a shallow water resource marking program that includes establishing “no motor zones” and “limited access zones” where appropriate, based on FMRI seagrass studies and bird rookery information.

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| | Implementation | | | | |
| National Wildlife Refuge Speed Zones | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

FW-L Provide additional support for environmental compliance and enforcement within the area of the Charlotte Harbor NEP.

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| | Implementation | | | | |
| Wildlife and Fish Law Violations Reported Online | \$75,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Add support for environmental compliance and enforcement | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Fund a Region-Wide EIS in Peace and Myakka Basins | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
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| FW-M | Develop methods to enhance seagrass recovery from prop scarring. | | | | |
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| | Implementation | | | | |
|--|--|--------------------------|--------------------------|--------------------------|--------------------------|
| Biennial Seagrass Mapping | \$0.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coordinate SAV Mapping Efforts Between SFWMD and SWFWMD | \$112,629.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Seagrass Prop Scar Study | \$25,000.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Impacts of Boat Propeller Scars on Organisms that Rely on SAV and/or Open Bott | \$50,000.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Perturbation studies of Watercraft Impacts to Water birds and Sea Grasses | \$300,000.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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|-------------|--|--|--|--|--|
| FW-N | Request local delegates to introduce state legislation to require a boater operator's license and support increased presence of enforcement officers on marine and fresh waters. | | | | |
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| | Implementation | | | | |
|--|--------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| Bonita Springs Marine Law Enforcement | \$35,000.00 <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Increase enforcement officers on marine and fresh waters | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tarpon Fishing Regulations | \$50,000.00 <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Require boat operator's license | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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|-------------|---|--|--|--|--|
| FW-Q | Ensure uniform compliance and enforcement of environmental regulations and permitting criteria. | | | | |
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| | Implementation | | | | |
|--|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Charlotte County Natural Resources Planning | \$732,648.00 <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Groundwater Resource Protection Area Land Use/Natural Resource Study | \$100,000.00 <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hardee County Mining Coordination | \$1,474,827.00 <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|--------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Manatee County Environmental Management Administration | \$107,847.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Manatee County Mining Regulation | \$335,651.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Fund Compliance and Enforcement positions for environmental permits | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

FW-R Promote development and enhancement of plans and programs to improve fish and shellfish resources.

| | Cost | Implementation | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|--------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Benthic Invertebrate Fauna Calibration of the Estero Bay Watershed Assessment | \$43,330.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Biological Effects of Suspended Sediments on Shellfish in the Charlotte Harbor wa | \$57,401.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Boca Pass Enhancement | \$40,100.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Expand FMRI Fisheries Independent Monitoring Program | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Invertebrate Species Richness Comparison | \$79,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| NOAA Marine Fisheries Review | \$90,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Red Start | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Require plan to develop fish and shellfish program | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Restoration of Bay Scallop Populations in Pine Island Sound: Competent Larval Re | \$38,898.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Spotted Seatrout Growth as a Bioindicator of the Priority Environmental Stressors i | \$47,826.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | | |
| Assessing the Relationship Between Salinity and the Blue Crab Fishery in the Calo | \$65,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bottom Sediments at the Widening of the Caloosahatchee and Peace Rivers | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Effects of Hypoxic and Anoxic Condition on Benthic Organisms in Charlotte Harb | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fisheries Dependent Monitoring | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

FW-S Bring environmentally sensitive land under protection through ownership and/or management, and expand conservation areas, reserves, and preserves.

Implementation

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Ainger Creek Boat Ramp | \$283,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bayshore Live Oaks Park | \$7,501,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Boat Ramp Development Land Acquisition | \$3,600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bonita Springs Land Acquisition | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bright Hour Watershed | \$25,579,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Burchers Property, Shell Creek | \$2,720,853.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Sanibel Environmentally Sensitive Land Acquisition | \$2,420,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Curry Creek - Waterside Woods | \$1,308,495.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Eastern Ranchlands - Longino | \$2,439,211.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| El Jobean Fishing Pier & River Trail | \$748,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Environmental Land Acquisition | \$1,994,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Four Mile Cove Ecological Preserve Fund | \$1,281,710.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Hickory House Park | \$1,861,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Lake Mirror Park expansion | \$240,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lee County Conservation Land Acquisition | \$109,612,029.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lower Peace River (Deep Creek) Preserve | \$80,223,158.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Manasota Scrub | \$754,643.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka City Site | \$400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition | \$130,248,989.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Newton Property | \$2,750,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| North River Road Preserve | \$2,294,455.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ollie's Pond Park | \$150,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Oyster Creek Environmental Park | \$600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Oyster Creek Regional Park | \$11,636,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pocono Trails - Cardinal's Villa | \$1,047,638.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Acquisition and restoration of Agripartners Properties | \$42,240,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---------------------------------------|------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Airport Expansion Flow way | \$11,246,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Airport Mitigation Connector | \$12,800,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Alico Flow-ways East on Ginn Proposal | \$14,080,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Alico Flow-ways West | \$9,600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Annen Parcel | \$40,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Argo Property | \$1,900,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Babcock Ranch | \$110,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Baucom Property | \$100,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Baxbaum Parcel | \$100,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bechdel Parcel | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bennett Parcel | \$57,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Benson Property | \$1,920,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Binder Parcel | \$69,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Blatchley Parcel | \$330,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Blevins parcel | \$76,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Boggy Creek Corridor | \$3,400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Brevard Community College Fund Parcel | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bristol Parcel | \$483,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Broeder Property | \$7,250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bunche Beach Additions | \$12,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Burgess Island | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Butcher Property | \$1,331,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Camick Property | \$218,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cape Haze PSP land acquisition | \$50,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Captain's Bay | \$40,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Caputo Property | \$550,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Carver Parcel | \$375,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Cattle Dock Point | \$2,380,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Church of Holistic Sciences | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coker Creek Corridor | \$6,600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coker Creek Prairie | \$8,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coker Parcel | \$80,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coker Property | \$74,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coker Property #2 | \$30,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Congregational Church | \$360,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Conlyn Property | \$300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coon Island | \$50,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Corkscrew Woodstork Flow ways | \$32,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Crews Parcel | \$98,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| David Parcel | \$27,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Develop a community profile of salt marsh systems | \$30,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Don Johnson Parcel | \$48,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dvorin Property | \$575,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| East Panther Key | \$50,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Eckerty Property | \$1,430,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ESLPP Environmentally Sensitive Land Protection Program | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| FH Builders of Florida Parcel | \$24,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| First Venture Corporation Parcel | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Flamingo Bay Parcel | \$12,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Florida Forever Funding | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Florida Rivers Development Corporation | \$132,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Florida Rock Industries Flow-way buffers | \$25,600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Foreigner Inc Property, including Pumpkin Key | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fort Myers Broadcasting Property | \$200,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|-----------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Fox and Ellis Property | \$150,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Freeman | \$4,730,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Freeman | \$311,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Gatorland Vistas (Addition to Prairie Pine Preserves) | \$214,500.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Gaziano Property | \$1,320,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hancock Creek Riverine Corridor | \$8,400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Harbor Point | \$4,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Helvenston Parcel | \$160,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hendry Creek Buffer | \$6,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hickey Creek Cypress Swamps | \$1,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hilton-Pine Island Limited Property | \$150,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hog Branch Headwaters | \$800,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Increase land acquisition funding | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Iona Cove Mangroves | \$924,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Jameson-Linehan Property | \$320,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| John Hancock Mutual Life Insurance South | \$400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Kayo Palau | \$5,133,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Kelley Parcel | \$198,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Kreie Parcel | \$100,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lake Parcel | \$60,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Little Wood Key | \$100,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Master's Landing | \$16,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Miller Property | \$218,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Morrone Property | \$80,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Mouth of Orange River | \$158,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #1 | \$150,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #10 | \$400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|-----------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| Myakka River Land Acquisition #11 | \$800,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #12 | \$100,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #13 | \$570,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #14 | \$730,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #15 | \$240,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #16 | \$690,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #2 | \$540,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #3 | \$190,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #4 | \$150,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #5 | \$160,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #6 | \$530,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #7 | \$240,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #8 | \$760,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Land Acquisition #9 | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka State Forest Addition | \$22,430,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ngo Parcel | \$56,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| North Spreader, Cape Coral Management Area | \$7,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Northwest Thompson Cutoff | \$60,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ogleby Creek Corridor | \$9,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Owen Creek Corridor | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Owens Creek Branch | \$32,400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Owl Creek | \$3,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Packard Property | \$40,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Palmetto Point Mangroves | \$192,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Parker Daniels | \$3,600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Parker Daniels Worthington | \$12,800,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Part Island | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|-----------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Pate Parcel | \$120,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Peterson Parcel | \$348,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pine Island Creek South | \$7,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pine Island Creek, north | \$4,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Punta Blanca Bay Acquisition | \$216,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Punta Rassa Cove | \$1,302,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Real Value Property Mangroves | \$160,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Reinke | \$780,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Roth Property | \$330,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sanibel Pavelka Property | \$1,300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Schiffman Property | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Shell Point Mangroves | \$1,525,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Six-mile Cypress connection under SR 82. | \$1,320,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Slagle Parcel | \$80,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| South Spreader, Cape Coral Management Area | \$3,840,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Southern Chadwick Point- Bay Villas | \$1,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Southwest Unacquired Yucca Pens | \$28,600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Stair step Connection | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Stewart at Shell Pass | \$102,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tippecanoe Bay Out parcel | \$60,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Tranquility Bay | \$51,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tranquility Bay Eagle Parcel | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tropical Fruit Associates Parcel | \$80,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Turtle Dev Corp Parcel | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Uhlar Property | \$400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unnamed Key-Pavelka | \$75,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Uplands west of Veterans | \$55,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|----------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| Veterans Extension Mitigation | \$6,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Watrous Parcel | \$3,010,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Wingate Creek State Park boundary extension | \$5,930,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| York Down Limited | \$132,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Yucca Pen Creek West | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Yucca Pen Inholding East | \$400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Yucca Pen Inholdings | \$800,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Yucca Pens Buffer | \$8,492,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Zemel Grade-Lee | \$2,254,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Zemel on Indian Field | \$66,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

FW-U

Acquire lands to increase wildlife habitat currently privately held within large, undeveloped, platted areas.

| | Implementation | | | | |
|--|-----------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| Myakka State Forest | \$5,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Warm Mineral Springs ESLPP | \$2,485,912.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Centex Homes | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte Sarasota Holdings | \$180,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fullenkamp | \$214,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka City Plat Park | \$100,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka Save our Rivers | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Removal of infrastructure at Upper Myakka Lake into Vanderipe Sough. | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SR 776 Tippecanoe Out parcel | \$4,800,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tippecanoe II | \$20,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Warm Mineral Springs | \$330,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Warm Mineral Springs Weir Removal | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Wingate mine restoration and acquisition | \$23,650,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| FW-V | Identify the potential living oyster bars for restoration within the estuarine waters of the Charlotte Harbor NEP study area. Identify the potential (recent and historic) dead oyster bar areas for restoration. Associate oyster enhancement with (priority problems). | | | | |
| | Implementation | | | | |
| Community-Based Restoration of Oyster Reefs and Enhancement of Essential Fish | \$40,169.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Plan | | | | |
| Develop oyster bar monitoring program for spat recruitment, percent living/dead an | \$200,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Historic oyster bed Restoration | \$5,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Obtain Data to address gaps identified by the 2004 NEP Habitat Change Analysis r | \$200,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| HA-A | Establish and implement minimum flows and levels for tributaries as detailed in the quantifiable objective. Determine maximum cumulative withdrawals. | | | | |
| | Implementation | | | | |
| Caloosahatchee Minimum Flows and Levels (MFL) Studies | \$839,500.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SWFWMD MFL Schedule | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Water Budget Workshop for the Greater Charlotte Harbor area | \$25,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Plan | | | | |
| Establish maximum flow position | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Limit hording of water in dry season and dumping at the beginning of wet season a | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Reservations for Caloosahatchee River, Estero Bay, Peace River | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| HA-B | Identify gaps in flow data based on ecosystem needs and projected needs for water withdrawals due to population growth, development, agriculture, and mining. Implement data collection to address these gaps. | | | | |
| | Implementation | | | | |
| Salinity Regime | \$120,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|--------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| | Plan | | | | |
| Analyze Wetland Monitoring Reports Submitted to the WMD from Wells | \$50,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Regional / Sub regional Water and Nutrient Budget | \$350,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Relating Southwest Florida's hydrologic models to its natural systems' models | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Salterns as Water Level Stage Performance Measures | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Surface-water, groundwater, & water-quality monitoring networks to address key w | \$700,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

HA-C Evaluate the interaction between groundwater and surface water and how they contribute to overall river flows.

| | | | | | |
|--|----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| | Implementation | | | | |
| Isolated Wetlands and Streams Study | \$50,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Estuarine Flows and Mixing-Circulation Models | \$350,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Expand Hydrologic Model to Charlotte Harbor Study Area | \$250,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Gulsby parcel restoration and acquisition | \$1,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Link MFL to water Table | \$150,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

HA-D Encourage efficient use and reuse of water

| | | | | | |
|---|----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| | Implementation | | | | |
| City of Auburndale Reclaimed Water | \$8,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Fort Myers Desalinization | \$1,108,160.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Fort Myers Reclaimed Water System Master Plan | \$249,262.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Fort Myers Wastewater Reuse | \$4,489,601.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| East Port Upgrades | \$2,301,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lake Alfred Wastewater Reuse and Orange Grove | \$332,308.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| North Sarasota County ASR - Reuse | \$5,090,582.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| Sarasota County Radio Telemetry - Reuse | \$410,150.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sarasota County Reuse Distribution Main | \$1,869,011.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sarasota County Supplemental Irrigation Water Transmission Main | \$200,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Compare Water Use to Programmatic Variables | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

HA-E Discourage deep-well injection of wastewater effluent in favor of advanced wastewater treatment of surface water discharges that are compatible with the water quality of the receiving waters, and encourage appropriate reuse alternatives.

| | | | | | |
|--|------|--------------------------|--------------------------|-------------------------------------|--------------------------|
| | Plan | | | | |
| Evaluate interagency rule conflicts re: TMDL, AWT, Deep Well Injection | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

HA-F Re-establish, where practical, surface flows from sub-basins that do not currently contribute to their historic hydrologic connections.

| | Implementation | | | | |
|---|----------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Alligator Creek Restoration Project | \$948,604.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Clam Bayou | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cow Pen Slough Hydrologic Restoration | \$1,112,200.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Deer Prairie Slough Restoration | \$660,241.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Faulkner Farms Surface Water Exchange Project | \$4,137,047.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fort Meade Stormwater Utility | \$1,087,644.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hardee County Mining Coordinator | \$1,128,533.04 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Integrated Habitat Network | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Isolated Wetland Restoration at the Charlotte Harbor | \$13,918.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lake Alfred Highlands Drainage Project | \$187,104.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Map historic and current hydrologic subbasins and analyze changes | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| 2020 Parcel #82 | \$256,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| 6-Mile Cypress Headwaters west. | \$3,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Agricultural Canal into Big Slough Canal | \$13,240,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Alliance of Casa La Linda | \$2,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Big Slough Riverine Corridor | \$3,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bonita Springs Utilities | \$1,920,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Carlton Parcel Restoration | \$23,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Channelized sections of Big Slough to more natural hydrologic conditions | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Channelized sections of Mud Lake Slough to more natural hydrologic conditions | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Channelized sections of Peace Creek to more natural hydrologic conditions | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cumulative Impacts of Intra-Coastal Waterway Dredging | \$150,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Curry Creek | \$830,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Deer Prairie Control Structure Removal | \$350,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ding Darling East Impoundment | \$15,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ding Darling West Impoundment | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Downs Parcel restoration and acquisition | \$1,300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Eagle Ridge | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Earthen Weir on Lower Myakka Lake | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| East Branch Daughtrey's Creek | \$20,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| East Lake Murex | \$60,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Enhance and improve Down's Dam | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Enhance and improve the crossing below Lower Myakka Lake | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Enhance and improve the structure on Coral Creek | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Enhance and improve the weir below Upper Myakka Lake | \$5,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Enhance Gator Slough canal collector system to more natural hydrologic condition | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Evaluation of the Impacts of Man-made Barriers to Historic Flows | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Feasibility Assessment for the Environmental Restoration of Selected "Old Mine L | \$18,157.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Flatford Swamp hydrology | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| Flow-way north of Alico Road (Alico Mine Flow-way) (Tam-Alico) | \$2,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Foster Bayou | \$300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Halfway Creek Flow-ways | \$5,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Highlands Weir Water Control Structure | \$375,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Imperial River Corridor Flow-way | \$3,100,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Improve hydrologic conditions of Blackburn canal | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Improved Topographic Resolution | \$150,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Island Park Road/Hendry Creek Filter Marsh | \$693,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Jelks Preserve | \$675,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LCEC Power line Berm | \$160,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Leitner Creek Connector | \$300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Long Creek Bridge Study | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Longino Ditch Restoration | \$4,020,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Maple Creek Crossing | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Mud Lake Slough | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Multi ownership parcel abutting the Park "Panhandle" | \$60,805,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka Island Ecosystem Restoration | \$69,808.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakkahatchee Creek Park | \$835,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Natural dry seasons conditions to Flatford Swamp and upper Myakka State Park | \$20,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Orange River Corridor | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Otter Creek Corridor | \$4,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Palm Creek | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Reconnect Old Mined Lands to Peace River and restore more natural hydrologic an | \$7,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Reconstruct major canals to more natural, serpentine, lower slope, vegetative condi | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Restoration of channelized portions of Clay Gully Slough | \$50,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Restoration of channelized portions of Deer Prairie Slough within Park | \$40,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sarasota Ranchlands | \$4,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| Smokehouse Bay | \$60,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Spring Creek Hydrologic Improvement | \$240,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SR 70 at Myakka River | \$600,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SR 70 Crossing of Ogleby Creek | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Stolle Property | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Stroud Creek | \$703,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tatum Sawgrass acquisition | \$21,940,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tatum Sawgrass region to more natural hydrologic and habitat conditions | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Telegraph Creek Corridor | \$3,800,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tesone Property | \$150,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Update Delineation of the Regional Flow ways | \$2,000,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Venus Lake | \$70,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Weir/Dam Removal at Myakka State Park into Myakka River | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Wingate Creek State Park | \$6,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Yellow Fever Creek Headwaters | \$1,550,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Yucca Pen Mines | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

HA-G

Plug abandoned groundwater wells to improve groundwater quality, increase water levels, and promote water conservation

| | | | | | |
|-----------------------------------|----------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| | Implementation | | | | |
| Lee County Groundwater Protection | \$2,057,236.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| TRB Property | \$130,666.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

HA-H

Where possible (practical) restore groundwater levels to historic seasonal mean levels

Implementation

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|--------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| City of Fort Myers Aquifer Storage and Retrieval (ASR) | \$323,860.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Groundwater Status and Trends | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SFWMD MFL Schedule | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Southern Water Use Caution Area Recover Strategy | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Plan | | | | | |
| Subsurface Hydrology in Natural Communities at Myakka River State Park and Be | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

HA-I/J/K Create and implement an overall public information program including: 1) public service announcements and videos; 2) portable displays; and 3) educational materials to educate the public about water resource issues, water conservation, and water use. Etc.

| | Implementation | | | | |
|---|----------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Conserve Water Curriculum | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Estuary Education through Art | \$3,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Project WET | \$90,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| SFWMD Education Tools | \$60,000.00 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SFWMD On-Line Water Conservation | \$30,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| SFWMD Poster Series | \$15,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| SFWMD Video Series | \$7,500.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| SFWMD Youth Educational Resources | \$80,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Plan | | | | | |
| Conservation Education as Permit Requirements | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Powerpoint Program Explaining Water Conservtion | \$10,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

HA-L Implement the recommendations of the South Lee County Plan.

| | Implementation | | | | |
|--|----------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| Estero Bay Agency on Bay Management Report | \$14,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Lee County Green Infrastructure Plan | \$30,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|--|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| | Plan | | | | |
| Some items in South Lee Plan (J. Rippe) | \$20,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| HA-M | Prevent and/or reduce, to the greatest extent possible, future hydrologic impacts of transportation projects within the Charlotte Harbor NEP and mitigate for past problems whenever possible. | | | | |
| | Implementation | | | | |
| Efficient Transportation Decision-Making | \$600,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka Conservancy opposes SR 39 extension | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Addition to 6-Mile Cypress Slough | \$1,991,640.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| El Jobean Trestle | \$200,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Restoration of hydrology along Old Railroad Grade/Powerline Section | \$40,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SR 72 slough and river assessment | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Wider hydrologic crossings under roadway between Lover's Key State Recreation | \$10,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Wider hydrologic crossings under the Sanibel Causeway | \$25,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Wildlife and Flow-way Crossing Study | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| HA-N | Ensure Charlotte Harbor NEP's continued representation and involvement in the reconnaissance and feasibility phases of the USACOE comprehensive restudy of the Central and South Florida Flood Control Project | | | | |
| | Implementation | | | | |
| Prepare database to coordinate science and restoration with CERP | \$165,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SCG Participation | \$4,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Southwest Florida Regional Restoration Team | \$60,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Lakes Park-Hendry Creek Connector | \$186,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Southwest Florida Feasibility Study | \$0.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---------------|------|----------|-------------|-------------|----------|
|---------------|------|----------|-------------|-------------|----------|

| | | | | | |
|-------------|---|--|--|--|--|
| HA-O | Support implementation of three-dimensional model studies to determine potential hydrologic benefits of proposed alternative alterations of the Sanibel Causeway during any reconstruction program. | | | | |
|-------------|---|--|--|--|--|

| | Implementation | | | | |
|--|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Expand Bathymetry Mapping to Entire Study Area | \$150,000.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hydrologic Model Workshop | \$15,000.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Plan | | | | |
| Sheng Model Evaluation and Modeling of Regulatory Releases | \$100,000.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | |
|-------------|--|--|--|--|--|
| HA-P | Evaluate potential alternatives to modification and/or removal of the structure at the southern end of Lake Hancock. | | | | |
|-------------|--|--|--|--|--|

| | Implementation | | | | |
|---|---|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| PLRG Recommendation to treat water leavaing Lake Hancock | \$0.00 <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Enhance and improve the water control structure on the south end of Lake Hancoc | \$1,000,000.00 <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | |
|-------------|---|--|--|--|--|
| HA-Q | Restore hydrologic surface features of the Peace Creek flood plain. | | | | |
|-------------|---|--|--|--|--|

| | Implementation | | | | |
|---|---|--------------------------|--------------------------|--------------------------|--------------------------|
| Cooperative Agreement with Polk County to survey the Peace Creek System | \$50,000.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | |
|-----------|---------------|--|--|--|--|
| WQ | Water Quality | | | | |
|-----------|---------------|--|--|--|--|

| | Plan | | | | |
|--|---------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| I-75 at River Road Rest Area Restoration | \$170,000.00 <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---------------|------|----------|-------------|-------------|----------|
|---------------|------|----------|-------------|-------------|----------|

WQ-A Establish a shellfish-monitoring network to ensure sampling of 100% of Class II waters in the Charlotte Harbor NEP study area.

| | Implementation | | | | |
|--|----------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| Charlotte Harbor National Estuary Program Administration | \$2,896,112.68 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Plan | | | | |
| Class 2 Waters Monitoring extent | \$500.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Increase Shellfish/WQ Monitoring Program | \$125,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-B Promote general public awareness and education on water quality issues and demonstration projects.

| | Implementation | | | | |
|---|----------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Business and Industry Target Audience Information | \$29,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Measuring Septic System Impacts to Receiving Waters using Optical Brighteners i | \$43,836.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| An Outdoor Study Along the Peace River | \$2,885.80 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| San Carlos Park Stormwater Demonstration Project | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-C/D Identify gaps in water quality data needed to calibrate the appropriate models used to determine TMDL limits. Coordinate monitoring programs and implement programs to fill data gaps for TMDL's.

| | Implementation | | | | |
|---|----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| Assessment of Historical Hypoxia in Charlotte Harbor | \$94,099.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte Harbor Enviro Ctr. Peace River/Myakka River Water Quality Analysis an | \$20,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte Harbor Regional Ambient Monitoring Program | \$4,583,666.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coastal Charlotte Harbor Monitoring Network | \$0.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Develop Stream Condition Index for Charlotte and Lee Counties | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Effects of Heavy Metals and Pesticides on Health and Physiology of Oysters in the | \$41,021.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Horse Creek Stewardship Program | \$0.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Impaired Waters Rule (TMDL) Implementation | \$200,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Land Monitoring System | \$15,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lee County Environmental Lab | \$3,769,805.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lemon Bay Nutrient Evaluation | \$112,240.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Quantitative Assessment of Estrogenic Activity in the Charlotte Harbor estuary | \$58,541.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Upload Coastal Charlotte Harbor Monitoring Network Data into STORET | \$40,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Upper Charlotte Harbor SWIM Plan Implementation | \$61,020.00 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Volunteer Water Quality Monitoring Program | \$41,540.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Water Quality Status and Trends | \$164,930.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Changes in phytoplankton community dynamics in Charlotte Harbor and implicati | \$500,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Conductivity Change Implications for Freshwater Wetland Biota | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Freshwater Invertebrates as Indicators of Cultural Eutrophication | \$30,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Identify more accurate nutrient loading rates from various land uses in the Charlott | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Monitoring for development of dissolved oxygen site specific alternative criteria in | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Myakka River Water Quality Monitoring | \$38,611.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Surface Water Monitoring | \$400,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Triennial Water Quality Analysis | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-E/M

Install or retrofit BMPs as necessary to maintain or improve water quality.

| | Implementation | | | | |
|-----------------------------------|----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| Best Management Practices Toolbox | \$0.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte County Land Development | \$1,137,944.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Cape Coral Trash Removal | \$324,064.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---|----------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| City of Venice IPM Plant Replacement | \$86,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Winter Haven Lakes Management | \$4,598,591.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| DeSoto County Extension | \$194,566.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Evaluate Lake Management Strategies in upper Peace River Basin & Winter Have | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fort Myers Beach Neighborhood Landscape | \$20,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hardee County Soil Conservation | \$174,727.26 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lake Howard Project | \$253,444.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lee County Soil and Water Conservation | \$399,805.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Manatee County Soil and Water Conservation | \$246,569.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Street Reconstruction | \$200,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Waterwater Treatment Plan Filter Rehabilitation | \$750,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Assessment of the Adverse Ecological Impact of Agricultural Chemicals in Freshw | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Best Management Practices Map | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cape Coral Canal Connectors | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City Golf Course Filter Marsh | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Develop BMP Manual for SWF With Cost/Benefit Assessments | \$150,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| FPL North Transmission Line Filter Marsh | \$2,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Old Bridge Point | \$2,050,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-F

Assess the cumulative impact of the density of septic tank systems and where appropriate take effective corrective action.

Implementation

Densities and Potential Water Quality Impacts of Septic Tank Systems

\$30,000.00

WQ-G

Provide central sanitary sewers or other alternative technology to residential areas (parcels of land one acre or less) and all commercial and industrial development within 900 feet of waters (canals, streams, etc) within the Charlotte Harbor NEP study area.

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| | Implementation | | | | |
| Charlotte County Utility System Growth Plan (Phase 2) | \$10,195,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Arcadia Central Sewer Line Extension | \$8,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Cape Coral Central Sewer Expansion | \$74,355,966.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Fort Myers Sanitary Sewer Master Plan | \$248,542.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Fort Myers Sewer Expansion | \$250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Punta Gorda Wastewater Facilities Expansion | \$3,250,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Sanibel Sewer System Expansion | \$20,530,433.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Demolition of Treatment Plant | \$785,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| DeSoto County Wastewater Project | \$7,093,288.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| East Port Expansion | \$26,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hardee County Wastewater Treatment Facility- Wauchula Hills | \$3,289,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Town of Dundee Sewer expansion/restoration | \$738,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Expand central sewer to replace septic systems- Charlotte County | \$38,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-H Install and maintain filtration marshes at appropriate locations around Lake Hancock.

| | | | | | |
|---------------------------|----------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| | Implementation | | | | |
| Lake Hancock Filter Marsh | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-I Expand the Florida Yards and Neighborhoods program to all counties in the Charlotte Harbor NEP study area and actively implement the program.

| | | | | | |
|---|----------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| | Implementation | | | | |
| Charlotte County Cooperative Extension | \$1,289,624.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Charlotte County Park Landscape Development | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Florida Yards & Neighborhood Program | \$59,549.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|---------------|------|----------|-------------|-------------|----------|
|---------------|------|----------|-------------|-------------|----------|

WQ-J Establish a buffer zone around Lake Hancock.

| | Implementation | | | | |
|---------------------------------|--|-------------------------------------|--------------------------|--------------------------|--------------------------|
| Circle Bar B Ranch | \$0.00 <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Land Hancock Buffer Acquisition | \$32,085,000.00 <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Lake Hancock Buffer Restoration | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-K Remove the muck component from the sediments of Lake Hancock.

| | Implementation | | | | |
|---|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| Evaluate Lake Hancock Muck Composition for Possible Uses | \$15,000.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lake Hancock Historical Water Quality Study and Restoration Plan | \$392,614.00 <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Funds to remove muck component from the sediments of Lake Hancock | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-L Create and establish a public involvement program for Lake Hancock.

| | Implementation | | | | |
|---|---|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| City of Lakeland Lakes & Environmental Projects | \$2,699,506.00 <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Lake Hancock Public Involvement Program | \$5,000.00 <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Peace River Environmental Educators Network (PREEN) | \$5,000.00 <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Plan | | | | |
| Clyde Butcher Lake Hancock Poster | \$1,000.00 <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Project Title

Cost

RESEARCH

RESTORATION

LEGISLATION

OUTREACH

WQ-N

Reduce non-point source pollutants associated with stormwater runoff.

| | Implementation | | | | |
|--|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Airport Commerce Park | \$1,200,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Billy's Creek Restoration | \$20,800.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte County Environmental Compliance Official | \$192,308.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| City of Bonita Springs National Pollution Discharge Elimination System (NPDES) | \$35,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Lakeland Stormwater Projects | \$14,297,275.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| City of Punta Gorda National Pollutant Discharge Elimination System (NPDES) | \$241,460.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| City of Venice Stormwater Management Utility/NPDES | \$5,053,290.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Curry Creek Preserve Habitat Restoration | \$217,878.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Don't Dump It! | \$4,650.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Grandmother's Garden | \$3,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Identify Sludge Application Sites and Amounts | \$10,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Integrated Pest Management | \$0.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lakes Park Restoration | \$757,932.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lower Charlotte Harbor SWIM Designation and Plan | \$32,000.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Manatee County Water Quality Management | \$310,593.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Seminole Gulf Railroad Corridor | \$7,779,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Venice/Laguna Drive Water Quality Improvement | \$102,044.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | |
| | Plan | | | | |
| Able Canal | \$2,500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Advocate Pollutant Load Reduction Goal (PLRG) adoption | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Assess Phytoplankton Species Composition and Abundance in Myakka Lakes | \$50,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Assess the Magnitude and Extent of Chemical Contamination and Toxicity of Sedi | \$300,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Charlotte Harbor, Lemon Bay, and Winter Haven Chain of Lakes SWIM plan proje | \$20,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| City of Cape Coral NPDES | \$5,713,613.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Cow Slough Widening | \$14,260,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Estero River North | \$5,324,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Gottfried Creek Corridor | \$12,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Harnes Marsh Expansion | \$5,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Horse Creek Outstanding Florida Water | \$0.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Impacts of pharmaceuticals/endocrine disruptors | \$100,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Improve water quality in Winter Haven Chain of Lakes | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| John Hancock Mutual Life Insurance Parcel | \$1,000,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Lakes Park CERP expansion | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Metro and Alico Junction Filter Marsh | \$420,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| North Side of Section 25 in 4725. | \$3,840,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Optical model for Estero, Dona and Roberts Bays | \$50,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Origins of Organic Matter within the Sediments of the Charlotte Harbor NEP Stud | \$75,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide state match for Clean Water Act Section 320 dollars allocated to Florida's | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Retrofit urban stormwater- Bonita Springs | \$500,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rock Creek Corridor | \$8,700,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| State Botanical Site | \$400,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-O Investigate sources and effects of atmospheric deposition and develop action plans to address findings.

Implementation

Atmospheric Deposition Studies

\$125,000.00

WQ-P Encourage, expand, and develop incentives for the use of reclaimed water.

Implementation

| Project Title | Cost | RESEARCH | RESTORATION | LEGISLATION | OUTREACH |
|--|----------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| City of Venice Wastewater Reuse | \$1,795,241.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Rotonda Waterwater Treatment Plan Upgrades and reuse | \$2,380,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| DeSoto and Hardee County Water Reuse Systems | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

WQ-Q Reduce contaminants from marina and dock operations.

| | | | | | |
|---|----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| | Implementation | | | | |
| City of Fort Myers Yacht Basin | \$148,872.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Matanzas Harbor Plan | \$300,000.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Plan | | | | |
| Assess impacts of arsenic from boat docks and marinas | \$80,000.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Appendix B

Appendix B

Recommendations for the Charlotte Harbor National Estuary Program's (NEP) Comprehensive Conservation and Management Plan (CCMP)

The CCMP, completed in March 2000, was created to guide the NEP toward restoration and protection of Charlotte Harbor. It contains quantifiable objectives with measurable targets and timelines. A few recommendations from the Smart Growth Committee relate very closely to the stated quantifiable objectives. Listed below are recommendations from the Smart Growth Committee that could be incorporated in the CCMP. The recommendations are organized into the quantifiable objectives portion of Volume 1.

HA-2:

- 4) Develop a "mixing model" for the region's estuaries to be used as a planning tool toward increased protection.

HA-5: Work with member counties to develop a water budget that adequately describes how we currently use our water resources and identify opportunities to increase efficiencies.

WQ-1:

- a) Provide support for local government efforts to develop stormwater utility programs aimed at improving water quality and reducing flooding.

FW-2

- h) Improve and enhance existing natural flowways.