

Special Publication SJ2004-SP42

**East-Central Florida
Water Supply Planning Initiative Phase II
Annual Report of Activities and Accomplishments
2004**



**St. Johns River Water Management District
Palatka, Florida**

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Edited by
Barbara Vergara, P.G.

**St. Johns River Water Management District
Palatka, Florida**

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Introduction

Background

The Floridan aquifer currently provides almost all of east-central Florida's public water supply and a large part of the agricultural and other self-supply. The 2000 St. Johns River Water Management District (District) Water Supply Plan (DWSP), the 2004 Interim Update to the DWSP, and the draft 2003 District Water Supply Assessment conclude that, in the near future, water supply needs in east-central Florida will not be able to be met by available fresh groundwater alone without likely incurring unacceptable environmental impacts to lakes, wetlands, or springs, as well as unacceptable saltwater intrusion. Therefore, it is expected that meeting future water supply needs in east-central Florida will require a combination of fresh groundwater, other alternative sources (surface water, brackish groundwater, seawater, etc.), and water resource management techniques (water conservation, water reuse, artificial recharge, etc.).

Although they are critical elements, water reuse and conservation measures alone are not likely to meet the water demands for economic development and projected growth in the area. Therefore, alternative water supply sources and other management techniques must be developed and implemented. Because impacts of water withdrawals from the Floridan aquifer extend beyond local government boundaries, cooperation and coordination among local governments and water supply utilities are vital to a successful water supply planning process.

Several potential alternative water supply sources, as well as water supply development and water resource development projects, were identified in the 2000 DWSP. However, the public supply utilities in east-central Florida, which are the likely developers of the identified alternative sources and projects, were not quick to move forward with project development despite concerns that the sustainable limits of freshwater from the Floridan aquifer in the area could be reached in the near future. This lack of forward movement gained the attention of Orange County Chairman Richard T. Crotty, who, in response, hosted two areawide water summits in early 2002. The East-Central Florida Water Supply Planning Initiative (Initiative) resulted from these two summits.

Local government officials, water supply utilities, and the St. Johns River, South Florida, and Southwest Florida water management districts began working together through the Initiative to develop solutions to their collective water supply issues. The east-central Florida area, which is the focus of the Initiative, includes Brevard, Orange, Volusia, and Seminole counties and portions of Lake, Marion, Polk,¹ Sumter, Osceola, and Flagler counties.

¹As of July 1, 2003, the portion of the St. Johns River Water Management District that was in Polk County became part of the Southwest Florida Water Management District.

Initiative Goal

The goal of the Initiative is to develop an East-Central Florida Water Agenda and associated action plans to

- Ensure that new sustainable water supplies are developed in ways that maximize benefits and minimize harm to natural resources
- Preserve the economic vitality of the region
- Draw linkages, as appropriate, to land use plans
- Identify cooperative, affordable, and equitable solutions that minimize costs and avoid competition for remaining inexpensive water resources

Initiative Phase I — 2002

The Initiative process was designed to proceed in two phases. The Florida Conflict Resolution Consortium, a legislatively created statewide neutral resource, was retained to facilitate discussion among local governments and other stakeholders, and to oversee the process of developing objectives, recommendations, and strategies to help meet future water supply needs in the region. Jake Varn and Linda Shelley, of Fowler White Boggs Banker PA, assisted the consortium in this facilitation effort.

Phase I focused on a dialogue process to identify key water supply issues, provide information and education on the issues, and identify regional and subregional strategies to address the issues. The 10-county east-central Florida region participated in the Phase I process (Brevard, Orange, Volusia, and Seminole counties and portions of Lake, Marion, Polk, Sumter, Osceola, and Flagler counties).

The Phase I process included three regionwide meetings, 15 subregional meetings, and more than 50 one-on-one meetings with elected officials and water supply utility representatives. The Phase I process resulted in the East-Central Florida Water Agenda (Agenda), which identifies six key water supply issue areas. The six issue areas identified in the Agenda are

- Enhance intergovernmental coordination
- Develop new water supply
- Link land use planning and water supply planning
- Increase use of reclaimed water
- Enhance aquifer recharge using reclaimed water
- Increase water conservation

Initiative Phase II — 2003

Phase II of the Initiative was designed to build upon the results of Phase I with the development of action plans and identification of specific projects to implement the Agenda recommendations and strategies. Developing and implementing all action

plans will be a multiyear effort. Phase II activities include continuing dialogue among local governments and water supply utilities in east-central Florida, identifying potential partnerships, prioritizing projects, identifying potential funding sources, developing legislative recommendations, clarifying roles and responsibilities for action plan implementation, and considering revisions to DWSP.

Because Phase II of the Initiative is more technically oriented than Phase I, the St. Johns District is managing the Phase II effort in coordination with the South and Southwest Florida water management districts. Jake Varn and Linda Shelley, of Fowler White Boggs Banker, are facilitating the process, assisted by Taurant Consulting. Phase II activities began in 2003 and are summarized in *East-Central Florida Water Supply Planning Initiative Phase II Annual Report of Activities and Accomplishments, 2003* (Special Publication SJ2004-SP4).

Initiative Phase II — 2004

The following portion of this document summarizes, by issue area, 2004 Initiative Phase II activities and provides recommendations for activities in 2005.

Enhance Intergovernmental Coordination

Objective

To improve intergovernmental coordination on water supply planning in east-central Florida, which is critical to effectively managing regional water resources.

2004 Initiative Activities

Initiative activities in 2004 were focused in seven counties of the 10-county east-central Florida region — Volusia, Brevard, Orange, Seminole, Lake, Flagler, and Osceola. To better facilitate development of cooperative solutions, the focus shifted to facilitation at both the county level and at the project level. The following facilitation efforts were initiated in 2004 and are still in progress.

County-Level Activities

- Brevard County — District staff continued liaison with the Brevard Water Supply Board (BWSB). District staff routinely attended BWSB meetings and coordinated regionally significant activities with the BWSB. The focus of this effort in 2004 was the beginning of a cooperative study to determine if the Indian River can support concentrate discharge from potential water treatment plants collocated with power plants in Brevard County. An agreement between the District and Applied Technology and Management, the project consultant, for performance of this project, became effective late in fiscal year 2004 and is expected to continue for 15 months from the effective date. The estimated total cost of the project is about \$200,000. This project is being funded by the District as part of the District's Feasibility of Seawater Demineralization Project, a water resource development project identified in DWSP.
- Countywide Water Supply Plans — The District focused much of its attention in 2004 on securing local government interlocal agreements to support development of countywide water supply plans. Meetings with local governments and water suppliers in each county began this year with the ultimate goal being to organize and jointly produce countywide water supply plans. The District's facilitators assisted in directing local government discussions, facilitating development of interlocal agreements between participating local governments where such agreements were welcome, and providing administrative and technical support as necessary to begin the plan development process. Activities are summarized for each county as follows.
 - Flagler County — Three meetings, organized and facilitated by the District, were held between public water suppliers in Flagler County. A memorandum of understanding between Flagler County; the cities of Bunnell, Palm Coast, Marineland, and Flagler Beach; the Dunes Community Development District; and the St. Johns District was in preparation at the time of preparation of this document. Plan development is expected to begin in 2005 and be completed in

2006. The District's FY 2005 budget includes \$150,000 to support the plan development effort.

- Lake County — Following numerous meetings between the District's facilitators, local elected officials, and managers, the local governments secured the services of independent legal counsel to prepare an interlocal agreement between the local governments. At the time of preparation of this document the agreement was incomplete. The District and its facilitators will continue to coordinate with the participating local governments to accomplish development of the water supply plan. The District's FY 2005 budget includes \$150,000 to support plan development, which is expected to begin in FY 2005 and be completed in FY 2006.
- Seminole County — Five facilitated meetings between local governments were held in 2004. All local governments approved an interlocal agreement prepared by the District's facilitators. The District will continue facilitation and will provide financing to develop the water supply plan. The District's FY 2005 budget includes \$150,000 to support plan development. Plan development is expected to begin in FY 2005 and be completed in FY 2006.
- Orange County — The facilitation effort in Orange County began in late August, when the District's facilitators began to arrange individual meetings with elected officials to develop a strategy to develop a countywide water supply plan. No meetings between local governments occurred as part of this process in 2004 but are expected to begin in 2005.
- Marion County — The District is assisting with a water supply planning effort sponsored by Marion County for local governments in Marion County. Minimal, if any, facilitation is contemplated in Marion County in the future. The District provided minimal funds to support this effort in 2004. The District's FY 2005 budget includes an additional \$150,000 to support continuation of this effort.
- Volusia County — The Water Authority of Volusia (WAV) began the process of accomplishing a master facilities plan (MFP) to identify specific projects to meet projected water supply needs. The District entered into an agreement in FY 2004 to financially support this project in an amount not to exceed \$500,000. WAV entered into a contract with CDM for development of the MFP. Funds in the amount of \$500,000 are included in the District's FY 2005 budget to provide continued support to this project. MFP is scheduled to be complete in FY 2006 and will include a timetable for facilities construction.

Project-Level Activities

- CROT Integrated Water Supply Alternatives Study — The city of Cocoa, the Reedy Creek Improvement District, Orange County, and the Toho Water Authority (CROT) worked cooperatively during 2004 to identify possible joint alternative water supply projects, which, if implemented, could delay the need for more costly projects. The focus of CROT's attention was on reclaimed water and stormwater projects. The

group advised the District that it would like to perform an integrated water supply alternatives study with coordination and support of the South Florida and St. Johns districts. Both districts reviewed the proposed scope of services, estimated costs, and timeline. The study is anticipated to begin in FY 2005 and be completed in FY 2007, with possible District financial support in FY 2006 and perhaps in FY 2007.

- Taylor Creek Reservoir/St. Johns River Expansion Project — This project was identified as a water supply development project (Taylor Creek Reservoir Expansion Project) in the 2004 DWSP Interim Update. It emerged as the highest priority project for development because it is likely the least costly of the identified alternative water supply development projects for the east-central Florida area. A series of facilitated discussions with potential local government and other partners was held during 2004 and are expected to continue in 2005. Potential partners identified in 2004 include
 - Brevard County
 - City of Cocoa
 - Deseret Ranches of Florida
 - Orlando Utilities Commission/Orlando
 - Orange County Utilities
 - Reedy Creek Improvement District
 - City of Titusville
 - Toho Water Authority

The focus of activities in 2005 will be to secure agreements between partners concerning the administrative and financial relationship of the parties, and to begin engineering work on the project.

- The North Seminole Regional Reclaimed Water and Surface Water Augmentation System Expansion and Optimization Study — The District cooperatively funded this study, and District consultants facilitated and administered the effort. Cooperators were the cities of Sanford and Lake Mary, and Seminole County. Three projects identified in the plan have been programmed and budgeted for cooperative funding in FY 2005. A detailed discussion of this effort is included on page 14 of this document.

General Activities

- Initiative and water supply issue information continues to be provided to elected officials, water supply utilities, the public, and the media through public meetings, one-on-one meetings, direct mail, the District's quarterly magazine (*StreamLines*), the District's monthly local government newsletter (WaterWatch), media interviews, and the District's Web site (*sjrwmd.com*).
- Communication tools were developed to inform Initiative participants, the media, and the public of water supply issues and Initiative activities. Current tools include an updated project fact sheet, a project Web site, an Agenda summary, annual reports of activities and accomplishments, an upcoming meeting schedule, and a database of elected officials, water supply utilities, and other interested parties.

Develop New Water Supply

Objective

To maximize the development of groundwater for reasonable-beneficial uses and develop alternative water sources to meet the needs of future reasonable-beneficial uses by the time the needs occur, in a manner that ensures that the uses will not result in unacceptable adverse impacts to water resources and related natural systems.

2004 Initiative Activities

Water Supply Projects

One of the goals of the Initiative is to expand and enhance the findings of the DWSP, including further investigations of potential alternative water supply sources and identification of additional water supply development projects that could be implemented to develop these sources to help meet future east-central Florida water supply needs.

Water supply development projects originally identified in the 2000 DWSP include

- Eastern I-4 Corridor Project
 - St. Johns River water supply facility component
 - Eastern Orange and Seminole counties regional reuse component
 - City of Apopka reuse component
- Strategic water conservation assistance project
- Strategic reclaimed water assistance project

In 2003, potential water supply development projects were identified and evaluated by Initiative participants to help meet future water supply needs in east-central Florida. Of those identified, 11 were added to the list of water supply development projects identified in DWSP with the publication of Special Publication SJ2004-SP28, *2004 Interim Update to Special Publication SJ2000-SP1, District Water Supply Plan*. These projects are listed below with a brief narrative of the status.

- St. Johns River Near SR 520/528 Project. At this time, no potential cooperator has emerged to develop this project. This project will likely be coupled with the Taylor Creek Reservoir Expansion Project to provide for augmentation of Taylor Creek Reservoir with water from the St. Johns River.
- St. Johns River Near SR 50 Project. At this time, no potential cooperator has emerged to develop this project.
- St. Johns River Near Lake Monroe Project. There is interest among utilities in northern and western Seminole County as well as interest by WAV in developing this project. However, local governments in Seminole County and WAV are currently developing plans that will determine the need and timing of this project.

- St. Johns River Near DeLand Project. There is interest among utilities in Seminole County and interest by WAV in developing this project. However, local governments in Seminole County and WAV are currently developing plans that will determine the need and timing of this project.
- St. Johns River Near Lake George Project. At this time, no potential cooperator has emerged to develop this project.
- Taylor Creek Reservoir (TCR) Expansion Project. Significant interest exists in expanding the existing city of Cocoa-owned water treatment facilities at TCR using water from the St. Johns River. As mentioned earlier in this report, there are currently eight utilities that have expressed interest in the planning process and seven that want water from the project. The planning, design, permitting, and construction are expected to be completed in FY 2010, at which time a first phase facility will come on-line with an expected additional capacity of 25 million gallons per day. Congressman Dave Weldon secured \$1.5 million in FY 2004 federal State and Tribal Assistance Grant funds for this project and has indicated support for additional funding in future years.
- Lower Ocklawaha River in Putnam County Project. At this time, no potential cooperator has emerged to develop this project.
- Indian River Lagoon at FP&L Cape Canaveral Power Plant Project. There are utilities interested in developing this project as well as the Indian River Lagoon at Reliant Energy Power Plant Project (the next project on this list). However, serious questions exist over the lagoon's ability to handle the concentrate discharge from one or more reverse osmosis water treatment plants in the north Brevard County area. Accordingly, the District is performing a study evaluating the potential impacts of such discharges to the lagoon. Work is expected to be complete on that study in FY 2006 and will preliminarily determine feasibility. If infeasible, it is likely that no further work or studies will be performed. If feasible, the next step would be a pilot study, which would require the cooperation of a utility.
- Indian River Lagoon at Reliant Energy Power Plant Project. Discussion of Indian River Lagoon at FP&L Cape Canaveral Power Plant Project applies to this project also.
- Intracoastal Waterway at New Smyrna Beach Project. At this time, no potential cooperator has emerged to develop this project, although it is still under consideration by WAV.
- Lake Apopka Reuse Augmentation Project. This project will supplement the city's reclaimed water system with treated water from Lake Apopka. The city of Apopka plans to perform pilot testing in 2005, and a proposal was submitted for cost sharing with the District.

During Initiative meetings, the Orlando Utilities Commission (OUC) expressed an interest in investigating the feasibility of a brackish wellfield in the vicinity of its Stanton Energy Facility in eastern Orange County. If feasibility proved positive, OUC

expressed an interest in having the project added to the list of water supply development projects in the 2005 DWSP. OUC, District, and city of Cocoa staffs met to discuss an investigation of the feasibility of this project. OUC performed some preliminary groundwater modeling and reviewed the results with District and city of Cocoa staffs. Subsequently, OUC notified District staff that it would not proceed with its effort to have this project identified as a water supply development project in the 2005 DWSP.

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Link Land Use Planning and Water Supply Planning

Objective

To improve the linkages between water supply planning and land use planning in order to effectively address future water supply planning needs in east-central Florida.

2004 Initiative Activities

The 2004 Initiative activities continued work begun in 2003 regarding the implementation of the requirement that local governments consider the water management districts' regional water supply plans in their comprehensive plans. District efforts focused on the development of water supply facilities work plans by the local governments and review of local government comprehensive plan amendments.

Water Supply Facilities Work Plans

Most of the local governments in the east-central Florida area were faced with a statutory deadline of January 1, 2005, for completing work plans and adopting related comprehensive plan amendments. Many of the local governments were proceeding with the development of work plans. Legislation enacted during the 2004 legislative session changed the deadlines. The 14 local governments required to do work plans in the Wekiva Study Area now have a deadline of January 1, 2006, and the other local governments that were required to meet the 2005 deadline now have a deadline of December 1, 2006. The Department of Community Affairs (DCA) sent a letter urging local governments to complete their work plans after the water management districts complete regional water supply plans in 2005. Some of the local governments have decided to submit the work plans in advance of the new deadlines and update them in 2006. In 2004, District staff activities included the following:

- Coordinated with DCA to determine the completion deadlines for work plans for all local governments in the District
- Developed a fact sheet providing basic information regarding the schedule and requirements for completing the work plans
- Distributed the fact sheet to all local governments
- Made the fact sheet available on the District Web site
- Provided some form of assistance to about half of the 48 local governments in east-central Florida that now have 2006 deadlines
- Reviewed and commented on four work plans submitted to DCA by local governments

Comprehensive Plan Amendments

The District's review of local government comprehensive plan amendments focuses on water supply availability and related water resource issues in an effort to link land use planning and water supply planning. In the review of water supply availability, the District considers infrastructure, permitted allocation under consumptive use permits,

and source. In 2003, the District developed a “Potable Water Availability” worksheet for local governments to include as supporting data and analysis for future land use changes in comprehensive plan amendment submittal packages. In 2004, District staff activities included the following:

- Distributed the worksheet to all local governments
- Implemented an interactive approach with local governments to obtain the information requested on the worksheet
- Provided comments to DCA regarding potable water availability and related water resource issues
- Assisted local governments with their responses to DCA concerns relative to water availability and related water resource issues

Increase Use of Reclaimed Water

Objective

To optimize the use of reclaimed water for the purpose of increasing the amount of water available for reasonable-beneficial use to the extent economically, environmentally, and technically feasible.

2004 Initiative Activities

Efforts, which were already under way prior to the start of the Initiative, continue along with new projects resulting from Initiative-funded efforts. The following is an update for the regional reuse projects.

- **Northwest Cities Reuse Interconnect Project.** Several elements of this regional reuse interconnect project have been completed by the city of Apopka, including pipelines and storage facilities. A study, funded through the District's Strategic Reclaimed Water Assistance Program, was conducted to determine the recharge value of a parcel known as the northwest recreational site. Based on the positive finding of this study, the land for the project has been purchased with Florida Forever funds and the facility design is currently under way. The recharge pond and facilities are also qualified for Florida Forever funding. Some of the elements of the regional interconnect project may also receive funding through the District's Alternative Water Supply Construction Cost-Share Program (AWSCCSP). The cities of Ocoee and Winter Garden are currently finalizing their plans for their portions of the interconnect project.
- **Western Orange Reuse Plan.** Planning meetings were put on hold pending the outcome of challenges to the OUC permit. The Central Florida Aquifer Recharge Enhancement — Phase 2 (CFARE2) study has been completed and provides a list of reclaimed water recharge projects that could be included in a regional reclaimed water plan for this region.
- **Brevard County Barrier Island Reuse Plan.** Both a feasibility study and a financial evaluation were prepared for this project with funding from the District's Strategic Reclaimed Water Assistance Program. Based on these studies, the Satellite Beach City Council voted to move ahead to assess community support for using the majority of the available reclaimed water within its city. Citizen group meetings are being planned to determine the level of support. Adoption by the city of Satellite Beach to use the majority of the available reclaimed water would ensure the financial feasibility of the project. Federal funding of \$0.5 million has been earmarked for this project.

The North Seminole Regional Reclaimed Water and Surface Water Augmentation System Expansion and Optimization Study. This project, performed cooperatively by Seminole County and the cities of Sanford and Lake Mary ("Tri-Party"), with a 50% match from the District, was completed this year. Ground water simulation runs which took into account recharge from proposed dry recharge basins, as well as 219 current and future reclaimed water irrigation sites, indicated potential appreciable rebound of

the surficial aquifer system in this region. The results of these preliminary ground water simulation runs indicate that the proposed expansion of the reclaimed water irrigation system, in conjunction with the operation of the recharge basins, will offset and may serve to mitigate potential environmental impacts on wetlands within the Tri-Party service area due to the projected increase in withdrawal of ground water for potable water supply. More than 30 projects were identified, with seven identified in the 2005 District Water Resource Development Work Program document for priority funding through FY 2009. Funding for three of these seven projects is included in the FY 2005 budget.

Enhance Aquifer Recharge Using Reclaimed Water

Objective

As part of an overall reuse strategy, recharging the aquifer through surface application of reclaimed water, especially in high recharge areas, during wet periods when the opportunities for more direct reuse are decreased, should be given priority consideration and should be undertaken to the extent that it is economically, environmentally, and technically feasible.

2004 Initiative Activities

A draft report is under review regarding the evaluation of recharge benefits associated with the Conserv II project. No final report has been issued.

The CFARE2 study to identify recharge projects in the Orange County area, including those using reclaimed water, was completed this year. As part of the study, a screening process was developed by which other recharge projects identified in the future could be evaluated for feasibility. Appropriate local governments and the District will fund the purchase of land sites and construction of the selected projects. District funding will be from the Florida Forever Program. Other projects may receive funding through the AWSCCSP.

The North Seminole Regional Reclaimed Water and Surface Water Augmentation System Expansion and Optimization Study, which is described in detail on page 14 of this document, is a project that addresses the issue area of enhance aquifer recharge using reclaimed water as well as the issue area if increase use of reclaimed water.

The District will monitor a cooperative effort between Orange County and the U.S. Geological Survey to investigate the removal of nitrate in reclaimed water application sites in west Orange County. The project report will be finalized in September 2005.

Increase Water Conservation

Objective

To conserve potable and reclaimed water to the extent economically, environmentally, and technically feasible as a means of reducing water demands, thus maximizing the amount of water available for reasonable-beneficial uses.

2004 Initiative Activities

- Continued to coordinate with the model landscape ordinance committee to develop an acceptable east-central Florida model landscape ordinance
- Continued with ongoing regulatory/permitting and incentive programs
- Assessed the amount of reduction in water demand that can be reasonably expected through specific water conservation programs and practices. This effort was coordinated with the Florida Department of Environmental Protection (FDEP).

Recommendations for 2005 Phase II Initiative Activities

Enhance Intergovernmental Coordination

- Continue intergovernmental coordination among governments in Volusia, Brevard, Orange, Seminole, Osceola, Lake, Flagler, and Marion counties.
- Continue the focus on developing countywide water supply plans and partnerships between suppliers in Seminole, Lake, Flagler, Marion, and Orange counties.
 - Assure compatibility of countywide plans.
- Begin to identify additional opportunities to develop intercounty water supply plans and partnerships.
 - Identify opportunities for intercounty cooperation.
 - Develop plans for intercounty partnerships.
- Continue ongoing county-level facilitation in Lake, Seminole, Flagler, and Orange counties.
- Provide appropriate water supply plan development support to Marion County.
- Continue to support WAV.
- Continue ongoing intercounty facilitation.
 - Continue Brevard Water Supply Board/Orange/OUC/Orlando facilitation.
 - Continue WAV/Seminole County facilitation.
- Continue to educate local government, state and federal elected officials, and the public on water supply issues and potential solutions.
 - Conduct one-on-one meetings as needed.
 - Give presentations/workshops to councils/commissions.
 - Maintain Initiative Web site.
 - Provide Initiative information via *StreamLines*, WaterWatch, and news releases.
- Continue to coordinate Initiative activities with the South and Southwest Florida water management districts, FDEP, and DCA.
- Continue to use existing water resource, planning, and business organizations to improve communications and coordination with other organizations, such as the following:

- Harris Chain of Lakes Restoration Council
- Lake County Water Authority
- Lake County Environmental Protection Advisory Board
- Lake County Chapter, Florida League of Cities
- East-Central Florida Regional Planning Council
- myregion.org
- Tri-county League of Cities
- Seminole Council of Governments
- University of Central Florida
- Central Florida Utility Council
- Water Authority of Volusia
- Brevard Water Supply Board
- Space Coast League of Cities
- Improve communications with the business community concerning water supply issues and potential solutions by identifying and contacting organizations to present information on Initiative activities. Potential organizations could include chambers of commerce, economic development councils, builders' associations, and realtors' groups.
- Prepare funding request packages for programs and projects developed through the Phase II process.

Develop New Water Supply

- Continue work with interested parties to accomplish TCR/SJR Expansion project.
- Facilitate, as necessary, the planning for and development of other new projects listed in the 2004 DWSP update.
- Evaluate other water supply projects, as appropriate.
- Continue to support WAV.
 - Provide funding support for the development of a master facility plan.

Link Land Use Planning and Water Supply Planning

- Continue to educate local governments about, provide support for, and assist in coordinating the development of their water supply facilities work plans.
 - Update the work plan fact sheet to account for deadline changes enacted by the 2004 Legislature.
 - Distribute the fact sheet to all local governments.
 - Develop a "how to" guide for local governments to use when drafting their work plans and distribute the guide to local government planning officials and utility managers.

- Add the updated fact sheet, the "how to" guide, and other relevant materials and links to the District's comprehensive plan amendment and work plan Web page.
- Continue to assist local governments in the development of their work plans.
- Continue to provide comments to DCA.
- Continue to educate local governments about water supply availability and related water resource issues relative to comprehensive plan amendments.
 - Continue to encourage the use of the District's "Potable Water Availability" worksheet when submitting comprehensive plan amendments.
 - Continue to work interactively with local governments to obtain the information requested on the worksheets.
 - Re-evaluate the worksheet with input from local governments, the water management districts, FDEP, and DCA, and revise as necessary to facilitate its use.
 - Continue to provide comments to DCA regarding potable water availability and related water resource issues.
 - Continue to assist local governments with their responses to DCA concerns relative to water availability and related water resource issues.
 - Provide assistance to local governments in the comprehensive plan evaluation and appraisal process.

Increase Use of Reclaimed Water

- Provide assistance to and monitor the progress of regional reuse projects, including
 - Northwest Cities Reuse Interconnect Project
 - Western Orange Reuse Plan
 - Brevard Barrier Island Reuse Project (Patrick Air Force Base south housing)
 - North Seminole Regional Reclaimed Water Optimization Study
 - City of Orlando, Eastern Orange, and Seminole Reuse Project
 - Volusia area reclaimed water projects (RAMP)
- Provide assistance to and monitor the plans of utilities to augment reclaimed water systems with alternative water supplies.
- Continue to seek funding for regional reuse projects through the federal State and Tribal Assistance Grant Program, the Florida Forever Program and the District's Alternative Water Supply Cost-Share Program.
- Continue to work with local governments to increase the beneficial use of reclaimed water to the extent economically, environmentally, and technically feasible, as a means of reducing per capita water use of potable water.

Enhance Aquifer Recharge Using Reclaimed Water

- Report on the results of the Conserv II project analysis and develop the next steps for coordination between the water management districts and FDEP.
- Provide assistance to and monitor the progress of the CFARE2 project.

Increase Water Conservation

- Continue with ongoing regulatory/permitting and incentive programs.
- Finalize the east-central Florida model landscape ordinance and initiate a pilot incentive program in Lake County.
- Encourage local government and water supply utility participation in coordinated water conservation public awareness programs.