

ITEM # _____

SEMINOLE COUNTY GOVERNMENT
LAND PLANNING AGENCY / PLANNING AND ZONING COMMISSION
AGENDA MEMORANDUM

SUBJECT: WATER SUPPLY FACILITIES WORK PLAN 2006

DEPARTMENT: Planning & Development DIVISION: Planning

AUTHORIZED BY: Tony Walter^{TW} CONTACT: Dick Boyer^{DB} EXT. 7382

Agenda Date: July 12, 2006 Regular Work Session Briefing
Special Hearing – 6:00 Public Hearing – 7:00

MOTION/RECOMMENDATION:

- 1. Recommend adoption of the proposed amendments to the Capital Improvements, Conservation, Future Land Use, Implementation, Intergovernmental and Potable Water Elements.
- 2. Recommend not to adopt the amendments.
- 3. Continue this item to a date and time certain.

District: Countywide Dick Boyer, Senior Planner

BACKGROUND:

In 2002 and 2004, the Florida Legislature expanded the requirements for local governments in preparing Comprehensive Plans. The changes were designed to strengthen coordination of water supply planning with local land use planning, in response to concerns that the limits of groundwater are being approached in many areas of the State. The legislation directed that alternative water supplies be identified, quantified and developed by affected municipalities, with additional requirements in addition to the implementation of local water conservation strategies and FDEP permitted water reuse programs.

A specific requirement of the legislation is completion of a 10-Year Water Supply Facilities Work Plan (Work Plan) by all counties and cities within a "priority water resource caution area". These are designated areas where existing and reasonably anticipated sources of water and conservation efforts may not be adequate to 1) supply water for all existing legal uses and reasonably anticipated future needs, and 2) sustain the water resources and related natural

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DFS: _____
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DCM: _____
CM: _____
File No. Z2006-43

systems. The deadline to have the Work Plan completed including all necessary review and approval processes is December 1, 2006.

The local governments' Work Plan must project water demands for at least a 10-year period, and must demonstrate that the current and planned water supply facilities and source(s) of water will meet the projected demand. The Work Plan must also be adopted as part of the Potable Water Element of the community's Comprehensive Plan. The Capital Improvements Element must also be amended to include projects listed in the first five years of the ten-year Work Plan, as well as the text of other Plan elements, as appropriate. The Work Plan must be approved by the Department of Community Affairs (DCA), with review and comment to DCA provided by the St. Johns River Water Management District (District).

Seminole County (County) is located within a "priority water resource caution area", and has therefore prepared this Work Plan to meet the criteria set forth by the Legislature. The Work Plan addresses supply and demand for County service areas only. As each of the City and private-utility providers will be preparing their own individual work plans, this report includes only brief information on non-County water suppliers. The Work Plan will be updated on an annual basis, per the requirements of the legislation.

Legislative and Hearing History Regarding the Water Supply Work Plan

The original legislation had required that a Work Plan be accomplished by January 1, 2005. A draft Work Plan was prepared and presented to the **Local Planning Agency** on **February 04, 2004** and to the **Board of County Commissioners** for transmittal to the Department of Community Affairs (DCA) on **February 24, 2004**.

Following that hearing, the 2004 Legislative Session extended the due date by one year to January 1, 2006, and DCA advised that local governments delay adopting their work plan until after the regional water supply plans have been updated.

The due date was again extended, this time to December 1, 2006, by the Wekiva Parkway and Protection Act (SB 908) passed during the 2005 Legislative Session. In February of 2006, the St Johns River Water Management District's (District) completed its update and adopted the District's Regional Water Supply Plan (RWSP) which identified potential water projects in which the County could participate.

About This Agenda Item

Following this background text, an overview of the Work Plan and the proposed amendments to the Comprehensive Plan is presented.

The Work Plan overview provides a brief description of the water project types. A more detailed description can be found in the accompanying Support Document.

The proposed amendments overview is presented in six (6) attachments, grouped by Comprehensive Plan element. The amendments are shown on comprehensive plan paper in strike and underline format. Depending on the need for amendment, an element may have one or more of its major sections – Introduction, Issues and Concerns or Goals, Objectives and Policies (GOPs) – added to, revised, or simply noted as an existing GOP that is applicable to the Work Plan.

Of particular note is the Potable Water Element – Attachment 1. Besides revising the Introduction, Issues and Concerns, and GOPs, a new text section, entitled “Water Supply Facilities Work Plan – Executive Summary”, will be added.

Once the Work Plan is finalized through the hearing process, Executive Summary of the text of the Work Plan, Sections 1.0 through 6.0, will be added to the Work Plan and inserted in this section of the Potable Water Element. The Work Plan will be updated through the amendment of this Executive Summary section and its associated exhibits which are then transferred to the separate Support Document.

The Executive Summary will describe the basic Work Plan in terms of commitments made to major water projects, their timing and funding, as well as any cooperative water supply efforts involving the District and/or other jurisdictions. The County has been and continues to work with the District on developing a financially feasible water supply plan strategy that will meet the needs of the County. It can be expected that the Work Plan will further evolve over the next few years as new facilities come on-line and other jurisdictions complete and submit their water supply plans.

The final two attachments detail the legislative requirements and the economic impact of the Work Plan.

STAFF FINDINGS:

The proposed amendments and hearing schedule are designed to meet the legislative requirements for adoption of a Water Supply Facilities Work Plan. It is important to note that the Work Plan, once adopted, will be subject to annual review and revision as necessary by the County to take advantage of and incorporate water supply plan changes and opportunities occurring in the region and with local partners.

In the future, updates to the Work Plan will be part of the annual comprehensive plan update of the CIE’s five-year capital projects list. The second half of the ten-year project list will be updated annually in the Potable Water Element of the Comprehensive Plan. Staff recommends adoption of the amendments.

STAFF RECOMMENDATIONS:

Adoption of the proposed amendments to the Capital Improvements, Conservation, Future Land Use, Implementation, Intergovernmental and Potable Water Elements.

BOARD ACTIONS:

- | | |
|--------------|---|
| Jul 12, 2006 | Local Planning Agency Recommendation Hearing (scheduled) |
| Aug 8, 2006 | Board of County Commissioners – Transmittal Hearing (scheduled) |
| Dec 12, 2006 | Board of County Commissioners – Adoption Hearing (scheduled) |

OVERVIEW OF WATER SUPPLY FACILITIES WORK PLAN

The Water Supply Facilities Work Plan is intended to present the County's plans for providing potable water over the next ten years to users in unincorporated Seminole County. The Work Plan provides a summary of existing water supply sources and treatment facilities, current design capacities, permitted withdrawals, current average daily demands, and anticipated growth for the ten-year planning period. The document also presents the planned improvements (identified capital projects) necessary over the next ten years to implement the County's water-supply strategy.

The Work Plan incorporates and continues the progressive plan that the County has been implementing over the past 10 years. The County's plan has been based on seeking economical and environmentally-sound solutions for water supply and distribution.

Examples of the proactive nature of the County's program, and the commitment to the partnership with SJRWMD and other local utilities in evaluations of alternative water supplies and use of lower quality water sources, include the following:

- Seminole County submitted a proposed project to SJRWMD for design and construction of a surface-water treatment facility for providing reuse augmentation water to users in the County's service areas. The SJRWMD has adopted this project into its overall Regional Water Supply Plan (RWSP), and agreed to partial funding (SB444) of the project.
- Seminole County has partnered with the Cities of Sanford and Lake Mary to share reclaimed water resources through the North Seminole Regional Reclaimed Water and Surface Water Augmentation System Expansion and Optimization Study. The program, referred to as the "Tri-Party Agreement", was primarily designed as the method used for the City of Sanford to transfer wastewater plant effluent, augmented by surface water, to both the County and Lake Mary.
- The County is also supporting, and investigating methods to participate in use of the City of Sanford's Mill Creek Pond project, which is also part of the overall Tri-Party Agreement. The pond, when completed, will provide over 200 million gallons of reclaimed water (and stormwater) storage for the area.
- An additional project via the Tri-Party agreement includes the development of recharge basins within the Sanford City limits, to which Seminole County is contributing funds.

In addition to the above, several types of water projects are either underway or proposed:

Water Supply From the Floridian Aquifer

Seminole County has been identified to be located within a "priority water resource caution area (PWRCA)" by the SJRWMD. The designation as a PWRCA is based on concerns that future groundwater withdrawals from the Upper Floridian Aquifer will reduce the discharge from nearby springs and contribute to migration of high chloride water from the Wekiva River, St. Johns River, the Econolockhatchee River and the Little

Econolockhatchee River. As the SJRWMD along with utilities and other interested parties have worked cooperatively to develop strategies to avoid and/or mitigate these anticipated negative impacts, the County has developed plans around these concerns for future water supply planning and the anticipated impacts of future water supply programs. The County's water supply approach was developed to address the goals and objectives of the SJRWMD's RWSP in both a technically and economically feasible manner. The program involves new wells, treatment facility improvements, and distribution system improvements.

Reuse Water

Seminole County Environmental Services Department (SCESD) currently provides reclaimed water to public access reuse customers in the Northwest and Northeast service areas, and is a member of the Tri-Party reuse and Eastern Regional Reclaimed Water System cooperatives. The current system provides approximately 1.9 mgd of reclaimed water, from one or both of the County's wastewater treatment facilities, to over 80 commercial users in the Northwest Service Area. In the Southeast Service Area, the County provides bulk purchase of reclaimed water to two users. SCESD is planning expansion of its public access reuse system to additional customers including residential retrofits in the Northwest, Northeast and potentially the Southeast service areas. Reuse of reclaimed water provides utilities benefits in terms of conserving potable water, reduction of effluent discharge to surface waters, effective water management, and recharge of potable quality aquifers in accordance with the goals and objectives of the SJRWMD's RWSP.

Water Conservation

Projected growth and associated increased groundwater withdrawals have led to growing concerns about sustainable use of groundwater resources in Central Florida. While Seminole County has consistently participated in water conservation education and infrastructure over the years, recent focus on water planning and the SJRWMD's RWSP has motivated an expanded Water Conservation Program. A full-time Water Conservation Coordinator was hired by the SCESD in May 2001 to plan and manage the program. The County has initiated a study to develop new water conservation plans for each service area. It is expected that these plans will be completed in later in 2006. Once the County approves these plans, they will be submitted to the SJRWMD for review.

Alternative Water Supply (Water from sources other than the aquifer)

Seminole County's plan for alternative water includes the design and construction of a reuse augmentation surface-water treatment facility at the County's Yankee Lake property. Augmentation of reclaimed water flows from the County's two wastewater treatment facilities is necessary based on the projected reuse-system expansion to handle peak reuse demands. The reuse system expansion, designed to reduce potable groundwater irrigation uses such to within proposed CUP limitations, includes residential retrofit projects.

Water Resource Development – New Methods

The SJRWMD is sponsoring an aquifer storage and recovery (ASR) feasibility and testing program within priority water resource caution areas. A desktop assessment of ASR feasibility for Seminole County's NWSA was prepared in October 2002. Two sites

were evaluated as part of the desktop assessment; the Markham site located approximately 3,000 feet north of the Markham Water Treatment Plant (WTP) and the Yankee Lake property. The results of the desktop assessment indicated that based on the limited amount of available hydrogeologic data, ASR was feasible within the NWSA. The next phase of the Seminole County ASR program included construction of an exploratory well at the Markham site.

Funding Plan

Established or planned funding sources for the CIP Program include: current system equity, connection fee receipts, State grants for alternative water only, and outside funding sources. Outside sources are anticipated to be comprised of revenue bonds, and possibly the State Revolving Funds (SRF).

OVERVIEW OF PROPOSED AMENDMENTS

(Existing GOPs that apply to the Work Plan but needed no revision are notated simply by the underlining of their policy number and title.)

The amendments proposed have been made in accordance with the legislation and serve to strengthen the position of the Water Supply Facilities Work Plan (Work Plan) in the Comprehensive Plan and ensure that the St Johns River Water Management District's Regional Water Supply Plan (RWSP) is considered and coordinated with by the County and that a ten-year planning period is maintained year-to-year.

Additional existing policies have been noted which are applicable to and supportive of the Work Plan.

1. Proposed Amendments to the Potable Water Element (06F.TXT02.1)

Revision to Introduction – Addition of text noting the addition of these amendments to the Comprehensive Plan.

Revision to Issues and Concerns – Addition of text noting water supply as a major issue to be addressed by the Comprehensive Plan.

Revision to Goals, Objectives and Policies – Addition or revision of GOPs as needed to support implementation of the Water Plan.

Addition of "Water Supply Facilities Work Plan" Section – The Water Supply Facilities Work Plan [Work Plan] is a standalone Support Document that is fully incorporated and adopted by reference into the Potable Water Element. The Work Plan is updated through the amendment of this Executive Summary section and its associated exhibits which are then transferred to the standalone document. The Executive Summary will present the core of the Work Program.

At this time, neither the Executive Summary nor the associated exhibits have yet been excerpted from the standalone Support Document (provided separately in the agenda package) which contains the detailed description of the Work Plan and all associated map and table exhibits. Staff is planning to prepare the Executive Summary prior to adoption in December following input from the BCC's 7/18 work session, transmittal hearing, and state agency comments.

This new section is intended to describe the basic Work Plan in terms of commitments made to major water projects, their timing and funding, as well as any cooperative water supply efforts involving the District and/or other jurisdictions. The County has been and continues to work with the District on developing a financially feasible water supply plan strategy that will meet the needs of the County. It can be expected that the Work Plan will further evolve over the next few years as new facilities come on-line and other jurisdictions complete and submit their water supply plans.

2. Proposed Amendment to the Capital Improvements Element (06F.TXT02.2)

This amendment will 1)add to or revise the CIE Capital Projects Listing with those potable water projects which fall within the first five years of the ten-year Work Plan and

2) is required to maintain the internal consistency of the Comprehensive Plan between elements. Each project must have identified a financially feasible revenue source.

As with the Potable Water Element above, the exhibits have yet to be excerpted from the standalone Support Document (provided separately in the agenda package).

3. Proposed Amendments to the Conservation Element (06F.TXT02.3)

Besides updating the issues and adding two new policies, the entire *Objective CON 1 – Groundwater Protection* has been noted as applicable to the Work Plan.

4. Notation in the Future Land Use Element (Not an amendment)

Four policies are noted as being applicable to the Work Plan.

5. Notation in the Implementation Element (Not an amendment)

One policy is noted as being applicable to the Work Plan.

6. Proposed Amendments to the Intergovernmental Element (06F.TXT02.4)

One policy has been noted and one revised.

ATTACHMENTS

Amended pages to Elements of the Comprehensive Plan are presented under the following attachment headings. Where a policy has not been added or revised but is being noted because of its applicability to the Work Plan, the policy number and title have been underlined.

ATTACHMENT TITLE	AMENDMENT NUMBERING
1. Potable Water Element	06F.TXT02.1
2. Capital Improvements Element	06F.TXT02.2
3. Conservation Element	06F.TXT02.3
4. Future Land Use Element	Notation
5. Implementation Element	Notation
6. Intergovernmental Element	06F.TXT02.4
7. Legislative Requirements	NA
8. Economic Impact Statement	NA

ATTACHMENT 1

Proposed Amendments to the Potable Water Element (06F.TXT02.1)

- **Revision to Introduction**
- **Revision to Issues and Concerns**
- **Revision to Goals, Objectives and Policies**
- **Addition of “Water Supply Facilities Work Plan – Executive Summary” Section**
- **Revision to Exhibits**

(Note: The amendments have been inserted directly into the appropriate Comprehensive Plan pages in strike and underlined format indicating deletion and addition respectively.)



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POTABLE WATER ELEMENT INTRODUCTION

Potable water is pumped from the ground, treated and distributed to residential and non-residential unincorporated Seminole County users through County, city and private water systems. The County currently provides potable water service to four major service areas in the unincorporated area:

owns and operates nine water treatment plants in three service areas:

- A. Southwest Service Area - Served by the Lynwood plant; In 2004, Seminole County purchased seven privately owned water treatment and distribution systems from Florida Water Services (FWS), which are now considered part of the SWSA, although the service areas are not adjacent. One of the treatment facilities was abandoned since the purchase, and only the distribution system in that area is now maintained. The SWSA is supplied by the following facilities all of which were former FWS utilities except Lynwood: Lynwood WTP, Apple Valley WTP, Dol Ray Manor WTP, Druid Hills WTP, Fern Park (distribution system only), Lake Brantley WTP, Lake Harnet Estates WTP, Meredith Manor WTP;
- B. Southeast Service Area - Served by the Consumers, Indian Hills, and Lake Hayes plants; and
- X. Northwest Service Area - Served by the Heathrow, Hanover Woods, Lake Monroe and Markam, Country Club, and Greenwood Lakes plants.
- Northeast Service Area - Served by the Country Club and Greenwood Lakes plants.

Additional potable water service is provided to portions of unincorporated users by the several cities and private water providers are detailed in the Water Supply Facilities Work Plan, of Altamonte Springs, Casselberry, Lake Mary, Oviedo and Sanford, and by two major private water utilities:

The County operates the potable water system as a fee-based enterprise. To ensure a continued supply of water, the Water and Wastewater Division of the County's Environmental Services Department does an annual budget and five-year capital plan for maintenance, replacement and capacity expansion based on a five year master plan. Additionally, the County works with the cities and private utilities to share wholesale service and works with the St Johns River Water Management District regarding the long term projected growth of demand for water services in Seminole County.

In 2002 and 2005, the Florida Legislature added additional requirements for the long term planning and coordination of the use of available water supplies. These requirements were addressed by a Comprehensive Plan amendment to the Potable Water Element in 2006. These amendments are more fully discussed in the Issues and Concerns section and the Water Supply Facilities Work Plan section of this Element.

In the past decade Since the early 1990's, public health and safety has been furthered by the expansion of the water fluoridation program and the adoption of a cross-connection control (backflow prevention) ordinance to reduce the chance of water contamination within the distribution system. Additionally, the Public Safety Department operates an underground fuel storage tank replacement program to reduce the possibility of ground water supply contamination.

(Revised: Amendment 06F.TX102.1, Ordinance 2006-XX, 12/12/2006)



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The County requires wastewater reuse agreements where available of all new development. Other methods to increase conservation include public education; periodic amendment of the Building Code requirements to require use of water saving devices in development; amendment of the Land Development Code to require the use of drought tolerant species and water conserving irrigation techniques (known as Xeriscaping); and application of a surcharge for excessive consumption. Approved conservation methods should be used singly or in combination on a site-specific basis.

Additionally, St. Johns River Water Management District (SJRWMD) and Seminole County have a joint agreement to equally share the cost of permanently plugging abandoned artesian wells in Seminole County, with owner consent. Abandoned wells are plugged by pumping grout cement through PVC pipe into the bottom of the well. Since the SJRWMD-Seminole County Cost Share Program began in 1992, over 229 wells have been permanently plugged or repaired resulting in the reduction of approximately 22 million gallons per day from flowing onto the ground.

Issue POT 5

Levels Of Service

The State requires that local jurisdictions assure that adopted levels of water service be maintained concurrent with the demand for those services.

The Goals, Objectives and Policies section establishes the County's level of service as 350 gallons of water per day (average daily flow) per Equivalent Residential Connection (ERC) for each individual service area. The amount of peak treatment facility capacity required is established as a minimum of 2.0 times the average daily flow. These levels of service shall also be applied for planning purposes to private and city utilities serving unincorporated customers unless a different level of service is authorized by the Florida Department of Environmental Protection or is adopted in a comprehensive plan.

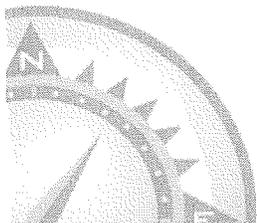
The County will continue to operate in compliance with all rules and requirements of FDEP, including, but not limited to, peak day, peak hour and service pressure requirements.

Issue POT 6

Future Water Supply

For the last 15 years, SJRWMD's water supply planning and assessment investigations have documented that the rate of withdrawal of groundwater in certain areas of SJRWMD is approaching the maximum rate that can be sustained without causing unacceptable adverse impacts to the water resources and related natural systems. Water supply planning results to date show that at some locations, withdrawal rates will likely approach or reach sustainable limits in the foreseeable future, well within the current 20-year planning horizon.

The 2005 District Water Supply Plan (DWSP 2005) [also known as the Regional Water Supply Plan, (RWSP)] addresses current and future water use and traditional and alternative water sources and water conservation required to meet 2025 water supply needs while sustaining water quality and protecting wetland and aquatic systems. DWSP 2005 is designed to meet the requirements of the water supply planning provisions of Section 373, Florida Statutes (F.S.), and is based on a planning horizon extending through 2025. (The above text for this section was excerpted from: Technical Publication SJ2006-2, District Water Supply Plan, 2005)





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The results of the RWSP indicate the potential need for new regional facilities, new water storage methods and a much stricter consumptive use permitting for new and existing wells. The County will continue to be fully engaged in the regional process of addressing and resolving future water supply these issues. As a part of maintaining this involvement, the County will continue to participate in the East Central Florida Water Supply Planning Initiative.

(Revised: Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)

Issue POT 7

Water Supply Facilities Work Plan

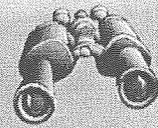
In 2002, the Legislature expanded the local government comprehensive plan (Plan) requirements to strengthen coordination of water supply planning and local land use planning. This was done in response to concerns that the limits of groundwater are being approached in many areas of the State and that alternative supplies must be identified, quantified and developed in addition to the implementation of local water conservation strategies and FDEP permitted water reuse programs.

The most significant requirement is completion of a 10-year Water Supply Facilities Work Plan (Work Plan) by all counties and cities within a "priority water resource caution area". These plans must be prepared in a manner which demonstrates consideration of the Regional Water Supply Plan (RWSP) updated by the SJRWMD in February of 2005. These are areas where existing and reasonably anticipated sources of water and conservation efforts may not be adequate to 1) supply water for all existing legal uses and reasonably anticipated future needs and 2) sustain the water resources and related natural systems.

The Work Plan must identify the current and planned water supply facilities and source(s) of water that will meet the projected demand and must be adopted as part of the Potable Water Element. The Capital Improvements Element must also be amended to include projects listed in the first five years of the ten-year Work Plan. Additionally, appropriate goals, objectives and policies of these and other Plan elements must be amended or put in place in support to of the Work Plan.

In 2006, the County began the amendment process to incorporate the Work Plan as required by law. Once adopted, the Work Plan shall be amended annually as necessary to maintain a current and active water supply program that is in coordination with the RWSP.
(Added: Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)





POTABLE WATER ELEMENT GOAL, OBJECTIVES AND POLICIES

GOAL

The County shall provide quality public water facilities to serve existing and future development needs in a cost efficient, highly reliable, and environmentally sound manner.

OBJECTIVE POT 1 ENVIRONMENTAL AND CONSERVATION POLICIES

The County shall ensure that the provision of water service and the operation of water treatment facilities under its control is accomplished in a manner which will minimize to the maximum practicable extent, any adverse impacts on the environment, public safety, residential neighborhoods and/or surrounding properties through the implementation of the following policies:

Policy POT 1.1 Back Flow Prevention

The County shall enforce its backflow prevention ordinance that enables the County to require inspection, testing and maintenance of backflow devices as well as the retrofitting of existing facilities to meet the requirements of the ordinance. The ordinance also provides for the use of sanctions such as citations and/or disconnection if standards are not met.

Policy POT 1.2 Safe Drinking Water Act

The County shall monitor amendments to the Safe Drinking Water Act, as amended. Significant amendments shall be brought to the Board's attention in a timely manner through a preliminary impact analysis statement provided to the Board by the Department of Environmental Services describing the range of known solutions, estimated cost of each and a future timetable to precisely identify the most appropriate and cost effective method of compliance.

Policy POT 1.3 Fluoridation

The County shall continue the existing program of water fluoridation.

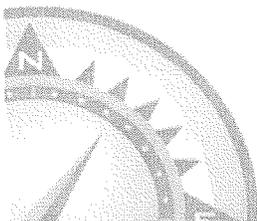
Policy POT 1.4 Water Conservation Program

- A. The County shall ensure that current and proposed conservation practices meet or exceed conditions of the current Consumptive Use Permit (CUP), and
- B. Such practices are consistent with conservation practices identified in the CUP technical staff report, and
- C. These practices are incorporated into the Potable Water Element's Water Supply Facilities Work Plan Executive Summary.

(Added: Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)

Policy POT 1.5 Conservation Devices

Each update of the Land Development Code or Building Code shall include new requirements or revisions for water conservation devices and methods as needed. Such methods might include but are not limited to provisions for the use of drought tolerant species and water conserving irrigation techniques (Xeriscaping), and surcharges for excessive consumption. Approved conservation methods shall be used singly or in combination on a site-specific basis. The County shall coordinate with





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SJRWMD to reduce groundwater withdrawals for non-essential uses that consume large quantities of water (i.e. the filling of decorative fountains and ponds).



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Policy POT 1.65 Emergency Water Conservation

The County shall continue to have and shall amend, as necessary, the emergency water conservation ordinance to enable the County to limit water usage by methods that may include, but are not limited to, citations with fines in order to enforce restrictions, and surcharges for excessive consumption and use methods as are otherwise authorized by law. The ordinance shall, at a minimum, be consistent with the St. Johns River Water Management District's Emergency Water Conservation requirements.

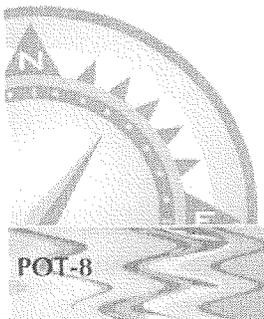
Policy POT 1.76 Effluent Reuse

- A. The County shall continue to require all development to enter into effluent reuse agreements as a condition of sewer service. --Actual implementation of such agreements shall be based on, but not limited to, the following considerations: availability of effluent supply, distance from the facility, the nature of the soils and the nature of the development.
- B. The County shall ensure that current and proposed reuse practices meet or exceed conditions of Consumptive Use Permit (CUP), and
- C. Such practices are consistent with the reuse practices identified in the CUP technical staff report, and,
- D. Current and proposed reuse practices are consistent with the Regional Water Supply Plan, including the 2004 interim update, and other related reuse plans, and
- E. These practices are incorporated into the Potable Water Element's Water Supply Facilities Work Plan Executive Summary.

(Revised: Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)

Policy POT 1.87 Required Connection to Central Water Service

The County shall require within the unincorporated urban area, as described in *Exhibit FLU: Urban/Rural Boundary*, connection to central water service where available as defined by Chapter 64E-6, F.A.C. or when a County capital project is scheduled and authorized to begin construction in the County's then current adopted annual budget or construction is committed to begin within one (1) year in an enforceable schedule contained within a binding developer's agreement.



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OBJECTIVE POT 3 LEVELS OF SERVICE

The County shall establish and maintain a set level of service for each County potable water facility by providing facilities with sufficient capacity to meet projected service demands.

Policy POT 3.1 Levels of Service Standards

The County shall maintain adopted levels of service standards through the day-to-day activities of the Department of Environmental Services and the implementation of the adopted Capital Improvements Element and the adopted annual budget. Current and proposed level of services standards shall be consistent both in this policy and in the Potable Water Element's Water Supply Facilities Work Plan.

(Revised; Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)

The following levels of service standards are adopted for each individual service area:

- A 350 gallons/day/Equivalent Residential Connection. Flow demands for commercial, industrial or other special developments differing from the flow values established by the serving utility shall be established from existing records or by estimated projections, using the best available data.
- B Fire flows in single family residential areas shall provide 600 gpm at a 20 psi residual pressure. Fire flows in commercial, institutional, industrial areas and apartment or multi-unit complexes shall provide 1,250 gpm at a 20 psi residual pressure.
- C Each peak treatment facility capacity shall be maintained at a minimum of two times (2) the permitted capacity.
- D These levels of service shall also be applied for planning purposes to private and city utilities serving unincorporated customers unless a different level of service is authorized by the Florida Department of Environmental Protection or as adopted in a comprehensive plan.
- E The County shall continue to operate in compliance with all rules and requirements of FDEP, as well as all other applicable laws, rules and regulations, including but not limited to peak day, peak hour and service pressure requirements.

Policy POT 3.2 Water Master Plan

The County shall update the Water Master Plan every five years. As part of the update, the County shall conduct a level of service review to determine if adjustment of the existing level is necessary based on, but not limited to, historical data and projected demand. The Master Plan shall be revised and updated to be consistent with and support of the Water Supply Facilities Work Plan.

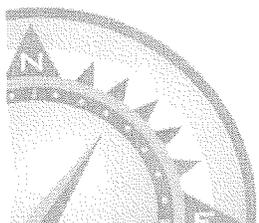
(Revised; Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)

Policy POT 3.3 New and Replacement Equipment

The County shall maintain the established levels of potable water service through the acquisition of new and replacement equipment in accordance with the adopted five year Capital Improvements Element.

Policy POT 3.4 Transmission Lines

The County shall ensure that future transmission lines are sized to adequately meet the projected demands of development according to development phasing needs based





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OBJECTIVE POT 4 COORDINATION AND URBAN SPRAWL

The County shall coordinate the extension of lines or increase of facility capacity with adjacent municipal and private facilities and discourage urban sprawl through implementation of the following policies:

Policy POT 4.1 Evaluation of Service Area Expansion

The County shall evaluate the impact on delivering adequate service to residents within the adopted service area as depicted in *Exhibit POT; Water Service Areas* prior to the expansion of a potable water service area outside the adopted service area boundaries. The County shall not expand the service area if the adopted level of service in the existing service area cannot be maintained or if the expansion will encourage urban sprawl.

Policy POT 4.2 Methods of Providing Potable Water Outside of the Adopted Urban Service Area

Outside of the Adopted Urban Service Area as depicted in *Exhibit FLU; Special Area Boundaries*, the County shall:

- A Continue to rely primarily upon individual wells as the method of providing potable water to the residents and other occupants outside the urban services area.
- B Encourage private central systems that exist as of the adoption date of this Plan to continue to provide an adequate level of service to users in their respective service areas, although the County shall discourage them from expanding their service areas.
- C New development outside adopted central service areas shall not be designed nor constructed with central water and/or sewer systems.
- D Public and private central systems may be permitted in the future if it is clearly and convincingly demonstrated by the proponents of the system expansion that a health problem exists in a built but unserved area for which there is no other feasible solution. In such cases, the service area expansion plans will be updated concurrent with an area-wide administrative land use update.

Policy POT 4.3 Existing Package Plants

Existing package plants (i.e., schools, mobile home parks) shall be requested by the County to hook-up to the County system when it becomes available.

Policy POT 4.4 Wholesale Agreements

- The County shall enter into wholesale agreements with municipal and/or private utilities to encourage the most cost effective and efficient provision of water services and to avoid duplication of services during County expansion of capacity or lines when and where economically feasible and supportive of the County's long term water planning strategy.
- Wholesale agreements shall be incorporated into the Water Supply Facilities Work Plan and designed to support and further advance the Work Plan.

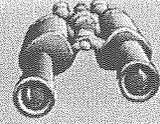
(Revised: Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)

Policy POT 4.5 Extension of Service to New Development

The County shall continue to require new development to fund the cost of extending water lines to serve their development.



Vision 2020 Comprehensive Plan Seminole County, Florida



OBJECTIVE POT 5 COORDINATION OF WATER AND LAND USE MANAGEMENT

The County shall seek to coordinate the management of water source and supply plans with the Comprehensive Plan, local water supply initiatives and the Regional Water Supply Plan.

(Added Objective and Policies: Amendment 06F.TX102.1, Ordinance 2006-XX, 12/12/2006)

Policy POT 5.1 Ten Year Water Supply Facilities Work Plan

The County shall maintain a Water Supply Facilities Work Plan (Work Plan) for at least a ten (10) year planning period addressing water supply facilities necessary to serve existing and future development within the County's water service areas. The Work Plan is a standalone support document that is fully incorporated and adopted by reference into the Potable Water Element of the Seminole County Comprehensive Plan. Amendment of the Work Plan is accomplished by amending the Potable Water Element, the Capital Improvements Element and other elements the Comprehensive Plan as necessary to support the Work Plan.

Policy POT 5.2 Annual Review and Update of Work Plan

The County shall annually review and update as necessary the Water Supply Facilities Work Plan (Work Plan). Any changes to the first five (5) years of the Work Plan shall be included in the annual Capital Improvements Element update to ensure consistency between the Potable Water Element and the Capital Improvements Element.

Policy POT 5.3 Coordination with the Seminole County Water Master Plan

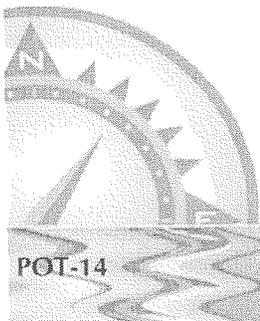
The County shall use the Work Plan in conjunction with the County Water Master Plan to prioritize and coordinate the expansion and upgrade of facilities used to withdraw, transmit, treat, store and distribute potable water to meet future needs.

Policy POT 5.4 Coordination of Water and Land Use Planning

The County shall coordinate the Water Supply Facilities Work Plan with the adopted future land use map and the adopted socio-economic data projections of the Comprehensive Plan.

The County shall coordinate the Water Supply Facilities Work Plan with the adopted future land use map. This shall be accomplished in two ways:

- Long range water supply planning to meet future service demand shall be based upon the County's projection of socio-economic data done as part of each seven year Evaluation and Appraisal Report or more frequently if needed. The projections for population, housing, employment, etc., are based on the vacant, buildable acres of each designated future land use category and therefore provide a reasonable estimate of future service demand by location and shall serve as the starting point upon which the 10-year water demand projections shall be based.
- Prior to pulling a building permit, the County shall continue to require that a concurrency review be conducted and passed with a finding that the calculated water service demand can be met by available and as yet uncommitted water capacity.





Vision 2020 Comprehensive Plan Seminole County, Florida

Policy POT 5.5 **Coordination with Regional Water Supply Plan**

The County shall coordinate with the St Johns River Water Management District's most current Regional Water Supply Plan when proposing or amending the ten-year Water Supply Facilities Work Plan (Work Plan). This coordination shall be documented in the text of the Work Plan with each amendment. Where appropriate and feasible, the Work Plan shall include collaborative approaches with other local governments for water supply source use and development, and water resource development.

Policy POT 5.6 **Coordination with SJRWMD and Local Water Providers**

The County shall consider and coordinate with the SJRWMD and other local governments on the development of efficient, cost-effective, and technically feasible water supply sources that will supplement future demands, without causing adverse impacts to water quality, wetlands, and aquatic systems. Consideration and coordination efforts made for each major water project shall be noted in the Work Plan.

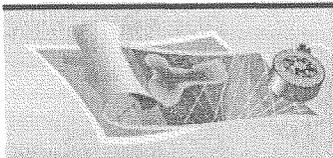
Policy POT 5.7 **Maximize Use of Facilities and Supply Sources**

The County shall seek to maximize the use of existing potable water facilities, when financially and technically feasible, through the implementation of management techniques that can enhance a source of supply, sustain water resources and related natural systems, and/or optimize water supply yield.

Policy POT 5.8 **Assessment of Work Plan with Evaluation and Appraisal Report (EAR)**

The County shall assess as part of each EAR whether the Work Plan has sought to coordinate with the SJRWMD's Regional Water Supply Plan and shall review and comment on the need to revise the Work Plan.





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POTABLE WATER ELEMENT WATER SUPPLY FACILITIES WORK PLAN – EXECUTIVE SUMMARY

Status Note:

The Water Supply Facilities Work Plan (Work Plan), enclosed as separate Support Document, is to be fully incorporated and adopted by reference into the Potable Water Element.

Once the Work Plan is finalized through the hearing process, an Executive Summary of the text of the Work Plan, Sections 1.0 through 6.0, will be added to the Work Plan and inserted in this section of the Potable Water Element. The Work Plan will be updated through the amendment of this Executive Summary section and its associated exhibits which are then transferred to the separate Support Document.

The Executive Summary will describe the basic Work Plan in terms of commitments made to major water projects, their timing and funding, as well as any cooperative water supply efforts involving the District and/or other jurisdictions. The County has been and continues to work with the District on developing a financially feasible water supply plan strategy that will meet the needs of the County. It can be expected that the Work Plan will further evolve over the next few years as new facilities come on-line and other jurisdictions complete and submit their water supply plans.

(Added: Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)





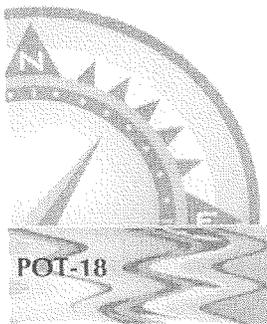
POTABLE WATER EXHIBITS

Status Note:

The following exhibits are found where noted in the enclosed Water Supply Facilities Work Plan. Once finalized through the hearing process, the maps and tables will be reformatted and inserted into this Element.

- Section 3, page 3-9, Table 3-3, "Projections of Service Area Potable Water Demands/Permitted Goundwater Capacity"
- Appendix A, Figures, Figure A-1 – Water Services Area
- Appendix A, Figures, Figure A-2 – Potable Water System and WTP Locations
- Appendix A, Figures, Figure A-3 – Potable Water System and Well Locations
- Appendix B – Capital Improvement Program Tables, Table B-1, "Capital Improvements Program"
- Appendix B – Capital Improvement Program Tables, Table B-2, "Seminole County Environmental Services"

(Revised: Amendment 06F.TXT02.1, Ordinance 2006-XX, 12/12/2006)

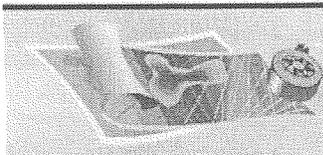


ATTACHMENT 2

Proposed Amendments to the Capital Improvements Element (06F.TXT02.2)

- **Revision to Goals, Objectives and Policies**
- **Revision to Exhibits**

(Note: The amendments have been inserted directly into the appropriate Comprehensive Plan pages in strike and underlined format indicating deletion and addition respectively.)



Vision 2020 Comprehensive Plan Seminole County, Florida

CAPITAL IMPROVEMENTS ELEMENT GOALS, OBJECTIVES, AND POLICIES

GOAL

Implement a capital planning program that provides and maintains in a timely, efficient, and fiscally prudent manner public facilities and services which protect the public health, safety and welfare; adequately serve existing and new development; are consistent with Seminole County's future land use plan; achieve and maintain adopted facility levels of service; maintain the existing infrastructure; and minimize public costs.

OBJECTIVE CIE 1 ADOPTION AND UPDATE OF CAPITAL IMPROVEMENTS ELEMENT

The Capital Improvements Element shall be used to guide the programming and implementation of public facility improvements to correct existing deficiencies, repair and replace worn out or obsolete facilities and to accommodate previously approved and new growth in an efficient, cost effective, and timely manner.

Policy CIE 1.1 County Responsibility for Maintaining Level of Service

The Capital Improvements Element shall include an annual schedule of the capital improvements for which Seminole County has fiscal responsibility to maintain the level of service standards adopted in the public facility elements of the Comprehensive Plan. (See Exhibits CIE: Facility LOS at rear of element).

Policy CIE 1.2 Annual Review and Update

The Capital Improvements Element shall concentrate on the first five years of capital needs, shall be financially feasible and shall be reviewed and updated annually. (See five year capital schedules of improvements for each facility element in the Exhibits Section at the rear of this element).

Policy CIE 1.3 Florida Department of Transportation Capital Projects

The schedule of capital improvements shall recognize as financially feasible the transportation projects within Seminole County included in the first three years of the adopted five-year FDOT work program.

Policy CIE 1.4 Capital Improvements Element Amendments

A Plan amendment shall be required to eliminate, defer or delay construction of any road or mass transit facility or service which is needed to maintain the adopted level of service standard and which is listed in the five-year schedule of improvements.

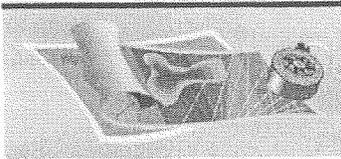
Policy CIE 1.5 Capital Improvements Element Consistency With Other Elements

The schedule of capital improvements shall be based upon the future land use and public facility elements of the Comprehensive Plan and shall be consistent with all other elements of this Plan.

Policy CIE 1.6 Coordination With Annual Budgets

Adoption of annual budgets shall include a specific capital budget, which shall implement adequate funding sources and be consistent with the Capital Improvements Element.





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CAPITAL IMPROVEMENTS EXHIBITS

Status Note:

The following exhibits are found where noted in the enclosed Water Supply Facilities Work Plan. Once finalized through the hearing process, the tables detailing facility capacities and the first five-years of the ten year capital projects list for the Work Plan will be reformatted and inserted into this Element.

- Section 3, page 3-9, Table 3-3, "Projections of Service Area Potable Water Demands/Permitted Goundwater Capacity"
- Appendix B – Capital Improvement Program Tables, Table B-2, "Seminole County Environmental Services". Only the first five (5) years of the this table will be inserted into the Capital Improvements Element.

(Revised: Amendment 06F.TXT02.2, Ordinance 2006-XX, 12/12/2006)



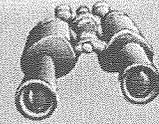
ATTACHMENT 3

Proposed Amendments to the Conservation Element (06F.TXT02.3)

- **Revision to Issues and Concerns**
- **Revision to Goals, Objectives and Policies**

(Note: The amendments have been inserted directly into the appropriate Comprehensive Plan pages in strike and underlined format indicating deletion and addition respectively.)

Vision 2020 Comprehensive Plan Seminole County, Florida



In 1986 Seminole County undertook a Ground Water Supply Study to assess the availability and quality of potable water supplies. The study includes a Countywide (including portions of Orange County) model of the Floridan Aquifer and evaluated; existing and future water demands, critical water supply areas; salt-water intrusion and future wellfield locations. The groundwater study final report was issued in August 1991. This report estimated that the County is currently overdrafting more potable water than is being recharge. The study reports that the County will not be able to meet projected water demands without substantial conservation programs. A task force of County, municipal and private water supply agencies was created to assess study results and develop recommended water conservation programs, and recommend further study needs. Upon completion of the Ground Water model a study will be conducted to identify wellfield protection zones surrounding public well fields, which are depicted in *Exhibit FLU: Existing Water Supply Wells*. A wellfield protection ordinance has been adopted to regulate and develop performance standards for uses within protection zones, which may impact groundwater quality. Since that time, the St. Johns River Water Management District has completed a lengthy study process of the water supply issues of the entire St. Johns River basin, of which Seminole County is a part. Seminole County has been designated as priority water caution area as a result of this study process, known as Water 2020. This study indicated that the Floridan Aquifer, our primary source of groundwater is scheduled to significantly decrease in volume during the next planning horizon and it identified alternatives for water supply to offset these decreases, most notably, surface water. There are multiple issues related to establishment of a surface water supply system, including siting of facilities, costs, and minimum flows and levels, to name a few. Seminole County recently (2000) partnered with the St. Johns River Water Management District to initiate a feasibility study of surface water opportunities within the middle basin and is currently providing staff representatives on several key advisory groups relative to the entire water supply planning process. Seminole County should maintain an active role in this process and play a major role as a facilitator of interests with the various stakeholders.

Issue CON 3 (continued) 2006 Update on Groundwater Water Supply

For the last 15 years, SJRWMD's water supply planning and assessment investigations have documented that the rate of withdrawal of groundwater in certain areas of SJRWMD is approaching the maximum rate that can be sustained without causing unacceptable adverse impacts to the water resources and related natural systems. Water supply planning results to date show that at some locations, withdrawal rates will likely approach or reach sustainable limits in the foreseeable future, well within the current 20-year planning horizon.

The 2005 District Water Supply Plan (DWSP 2005) [also known as the Regional Water Supply Plan, (RWSP)] addresses current and future water use and traditional and alternative water sources and water conservation required to meet 2025 water supply needs while sustaining water quality and protecting wetland and aquatic systems. DWSP 2005 is designed to meet the requirements of the water supply planning provisions of Section 373, Florida Statutes (F.S.), and is based on a planning horizon extending through 2025. (The above text for this section was excerpted from: Technical Publication SJ2006-2, District Water Supply Plan, 2005)

The County is currently in the process of creating a Water Supply Facilities Work Plan (Work Plan) which will be consistent with and coordinated with the DWSP 2005 based





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on the County's future service needs. The Work Plan can be found in the Potable Water Element of the Comprehensive Plan.

(Added: Amendment 06F.YX102.3, Ordinance 2006-XX, 12/12/2006)

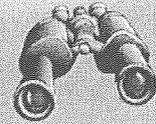
Issue CON 4

Air quality

Air quality is an issue requiring increased attention as Seminole County continues to grow. It may become necessary to evaluate the feasibility of establishing an air quality-monitoring program and to review and amend existing regulations.

Air quality in Seminole County is currently monitored by either the Florida Department of Environmental Protection or required as part of major development (DRI) approval. The County itself does not have an air quality monitoring program as Seminole County has no major point source generators and auto traffic historically has not been congested enough to warrant monitoring. However, anticipated future traffic increases may require monitoring.





CONSERVATION ELEMENT GOALS, OBJECTIVES AND POLICIES

GOAL

Preserve, properly manage and, where possible, enhance the quantity, quality and function of Seminole County's natural resources for existing and future generations; to include, but not be limited to the following natural resources: air, surface waters, groundwater supplies, soils/minerals, wetlands, native habitat and wildlife, floodplain, endangered, threatened and species of special concern, open spaces, aquifer recharge areas, and historic and archaeological resources.

OBJECTIVE CON 1 GROUNDWATER PROTECTION (OBJECTIVE & ALL POLICIES APPLY TO WORK PLAN)

By 2005, build upon existing studies to establish a program to protect both the quantity and quality of groundwater resources and recharge areas.

Policy CON 1.1 Groundwater Model/Assessment

The County shall work with the St. Johns River Water Management District, USGS, Department of Environmental Protection, and interested parties to evaluate its long range water conservation plan as part of the Water 2020 process, including participation in working groups and advisory groups on supply planning, minimum flows and levels, and other aspects of the process, including facilitation of input from stakeholder groups.

Policy CON 1.2 Recharge Area Protection/Conservation Measures

The County shall evaluate its groundwater conservation measures and policies for regulation of water usage, reduction of land use densities in critical areas, water use restrictions and irrigation alternatives as part of each Comprehensive Plan Evaluation and Appraisal Report (EAR).

Policy CON 1.3 Recharge Area Protection

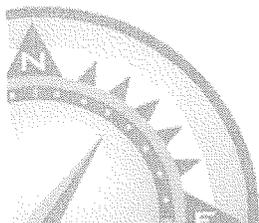
The County shall evaluate its aquifer recharge overlay zoning classification which sets alternative design criteria and standards to protect the functions of most effective aquifer recharge areas as part of each Comprehensive Plan Evaluation and Appraisal Report (EAR).

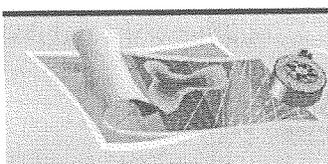
Policy CON 1.4 Recharge Area Reuse

The County shall continue to evaluate the use of septic systems and effluent reuse systems within most effective recharge areas and determine any long term negative impacts on groundwater quality and, if appropriate, adopt and develop additional regulations governing their use.

Policy CON 1.5 Wellfield Protection

The County shall continue to monitor Federal and State regulations to support establishment of wellfield zones of protection beyond those already established and shall consider enacting into the land development code, additional protection and programs as warranted by changes in Federal and State policy.



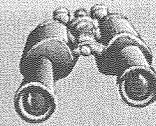


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- Policy CON 1.6 Intergovernmental Wellfield Protection**
The County shall pursue agreements with municipalities and private water utilities for development and implementation of the Wellfield Protection Program.
- Policy CON 1.7 Underground Tank Program**
The County shall continue to implement and administer an underground storage tank program coordinated with and consistent with requirements of the Department of Environmental Regulation and other appropriate agencies to ensure groundwater resources are protected.
- Policy CON 1.8 Underground Tank Regulations**
The County shall, by 2005, review existing regulations and, if appropriate, develop County standards governing the refurbishment and replacement of underground tanks.
- Policy CON 1.9 Wellcapping Program**
The County shall continue to coordinate with the Soil Conservation Service and the St. Johns River Water Management District with regard to the capping of County owned free flowing wells and the funding of a joint program for capping of private wells.
- Policy CON 1.10 Geneva Lens (Bubble) Protection**
The County shall continue to assess the water supply limitations of the Geneva lens (bubble) and establish appropriate land use densities and measures to protect its critical recharge functions. The Geneva lens, depicted in *Exhibit FLU: Resource Protection Areas*, should be assessed in conjunction with the St. Johns River Water Management District study of the Geneva Lens.
- Policy CON 1.11 Effluent Reuse**
The County shall evaluate its expanded effluent reuse program as part of each Comprehensive Plan Evaluation and Appraisal Report (EAR). The program shall, at a minimum, evaluate the following:
- A Implementing expanded effluent takeback systems for County operated wastewater facilities in an economically and environmentally sound manner;
 - B Requiring new development to install effluent takeback lines at the time of development where reuse programs are programmed or exist. This includes the identification of service areas where reuse may be applied and development of a phased implementation program;
 - C Implementing existing sewer agreement takeback provisions;
 - D Mechanisms to transport and dispose of reuse water within the most effective recharge areas;
 - E Incentives for encouraging reuse systems;
 - F Reuse programs may be appropriate; and



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Policy CON 1.12 Xeriscape Regulation

The County shall continue to enforce and evaluate its Xeriscape regulations which, at a minimum, sets standards for the use of native and drought tolerant species, removal of exotics, vegetative clearing and efficient irrigation to maximize conservation of water resources. The evaluation process shall consider the existing arbor and landscaping requirements of the Land Development Code requirements with special attention given to the DEP's prohibited plant list and the Florida Exotic Pest Plant Council's Category 1 and 2 lists.

Policy CON 1.13 Safe Withdrawal Rates

The County shall coordinate with the St. Johns River Water Management District and surrounding jurisdictions to determine safe withdrawal rates and appropriate land use intensities to ensure an adequate water supply for existing and future needs and shall seek cooperation with the District on continued development of a water budget model.

Policy CON 1.14 Private Well Withdrawal

The County shall cooperate with the St. Johns River Water Management District to monitor the impacts of private well withdrawals on the Floridan Aquifer.

Policy CON 1.15 Minimize Water Withdrawal/Transport

The County shall minimize the withdrawal or transport of water to future developments which would adversely impact existing well production.

Policy CON 1.16 Emergency Water Conservation

The County shall continue to utilize, as necessary, the Emergency Water Conservation ordinance to enable the County to limit water usage by methods that may include, but are not limited to, citations with fines in order to enforce restrictions and surcharges for excessive consumption and use methods as are otherwise authorized by law. The ordinance shall at a minimum be consistent with the St. Johns River Water Management District's Emergency Water Conservation requirements.

Policy CON 1.17 Ten-Year Water Supply Facilities Work Plan Water Supply Plan

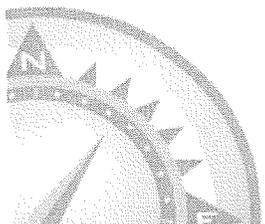
A The County shall assess projected water needs and sources for at least a ten (10) year planning period by creating and maintaining a Water Supply Facilities Work Plan (Work Plan) within the Potable Water Element. Capital projects planned during the first five (5) years of the Work Plan shall also be shown in the Capital Improvements Element.

B The Work Plan shall address each major type of water supply project- groundwater use optimization, conservation, reuse, and development of alternative water supply sources and water resources. For each project type, a detailed description of the project schedule, major activities and capital projects shall be provided and annually updated.

(Added: Amendment 06F.TXT02.3, Ordinance 2006-XX, 12/12/2006)

Policy CON 1.18 Coordination with Regional Water Supply Plan

The County shall coordinate with the St Johns River Water Management District's most current Regional Water Supply Plan when proposing or amending the ten-year Water Supply Facilities Work Plan (Work Plan). This coordination shall be documented in the text of the Work Plan with each amendment. Where appropriate and feasible, the





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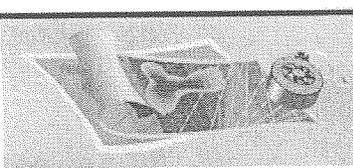
Work Plan shall include collaborative approaches with other local governments for water supply source use and development, and water resource development.
(Added: Amendment 06F.TX102.3, Ordinance 2006-XX, 12/12/2006)



ATTACHMENT 4
Notation in the Future Land Use Element

- **Goals, Objectives and Policies**

(Note: The applicable policy numbers and titles have been underlined.)



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OBJECTIVE FLU 6 PUBLIC FACILITIES AND SERVICES

The County shall require that all development be consistent with the approved Capital Improvements Element or facility and service plans in order to discourage urban sprawl, meet adopted level of service standards and thereby minimize attendant public costs through the implementation of the following policies:

Policy FLU 6.1 **Development Orders, Permits and Agreements**

The County shall ensure that all development orders, permits and agreements are consistent with the adopted level of service standards and provisions of the Capital Improvements Element and the appropriate facility element as well as all other provisions of this Plan.

Policy FLU 6.2 **Concurrency Requirements**

The County shall ensure that all development orders, permits and agreements are subject to the adopted Concurrency Management System standards and provisions to ensure that facilities and services needed to serve the development are available at the adopted level of service consistent with the Implementation Element of this Plan.

Policy FLU 6.3 **Infrastructure and Phasing Requirements**

The County shall require that all development provide services and facilities or phase the development as a condition of approval if development needs precede adopted service and facility plans and Capital Improvements Program and adopted levels of service can be maintained.

Policy FLU 6.4 **Priority for Water and Sewer Service**

The County shall evaluate the impact on delivering adequate service to residents within the established service area prior to the expansion of a potable water or sewer service area outside the adopted service area boundaries. The County will not expand a service area if the adopted level of service cannot be maintained.

Policy FLU 6.5 **Private Investment Above Land Development Code Requirements**

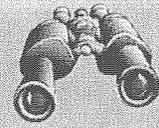
The County shall require private investment in infrastructure improvements above and beyond Land Development Code requirements (e.g., feeder roads, aerial fire apparatus, right-of-way, signalization, access improvements, transit facilities, stormwater, etc.) where improvements are needed to accommodate the development and to minimize attendant public costs associated with growth.

Policy FLU 6.6 **Concurrency Management**

The above policies shall be implemented consistent with the policies of the Implementation Element.



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OBJECTIVE FLU 7 INTERGOVERNMENTAL COORDINATION

The County shall continue to coordinate with the cities and other agencies to facilitate consistent facility and land use plans, provide cost-effective services, maintain compatible land uses, and ensure coordination of resource planning and management plans. The County shall coordinate with responsible local, regional and State authorities and private utility companies, as appropriate, in the establishment of level of service standards for public facilities. Upon adoption of the County and adjacent governments' comprehensive plans, the County shall initiate further coordination efforts, if necessary, to ensure consistency with adopted level of service standards

Policy FLU 7.1 Joint Planning Agreements (JPAs) with the City of Winter Springs

The County shall pursue the adoption of a joint planning agreement with the City of Winter Springs to address, at a minimum, future annexations, provision of services and facilities and land use compatibility in the East Rural Area of Seminole County. The JPA shall also include agreement on future densities and intensities of properties that may be annexed and a procedure for resolution of any future conflicts and/or disputes. It shall also include criteria for when and how the urban boundary can be amended and standards for cut through traffic.

Policy FLU 7.2 Joint Planning Agreements

The County shall pursue Joint Planning Agreements with each of the cities in Seminole County to address, at a minimum, future annexations, provision of services and facilities and land use compatibility.

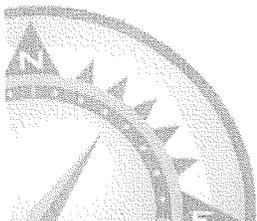
Policy FLU 7.3 Future Service Areas

The County shall provide the most cost-effective services to future development by establishing future service area boundaries and through the use of interlocal agreements for water, sewer, drainage, fire protection, and other public facilities.

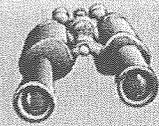
Policy FLU 7.4 School Sites

The County shall continue coordination and interaction with the School District with regard to locating future school sites, in the acquisition of sites during the development approval process and as to all related matters. The County shall encourage the location of public schools proximate to urban residential areas concurrent with development and the provision of concurrency public facilities, and concurrency public facilities are budgeted for in the appropriate Capital Improvements Plan. At a minimum, public school sites shall be located based on the following criteria:

- A Public school sites shall be located within the County's Urban Growth Boundary or be compatible with compact urban growth patterns; provided, however, that elementary schools, by nature of their service characteristics, are compatible in rural areas but only when located proximate to existing established residential communities;
- B Public school sites shall be served by adequate concurrency public facilities;

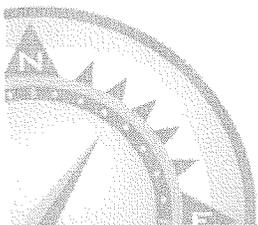


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Policy FLU 7.9 Coordination of Levels of Service

The County will, to the best of its ability, ensure that its levels of service for public facilities are compatible with adopted levels of service of neighboring jurisdictions in and adjacent to Seminole County and appropriate state and regional authorities through active intergovernmental coordination.



ATTACHMENT 5
Notation in the Implementation Element

- **Goals, Objectives and Policies**

(Note: The applicable policy numbers and titles have been underlined.)



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2. No rights to obtain final development orders under which development activity impacting public facilities may ensue, or to obtain development permits, nor any other rights to develop the subject property shall be deemed to have been granted or implied by the County's approval of the development order without a determination having previously been made that the capacity of public facilities will be available in accordance with law.

Policy IMP 2.5 **Development Orders: Capacity Determinations and Availability**

The availability of public facility capacity to support development orders or permits issued pursuant to Policies IMP 2.3 and IMP 2.4A, shall be concurrent with the impacts of such development and shall be determined in accordance with the following:

A Potable Water, Sewer, Solid Waste, and Drainage:

1. The necessary facilities and services are in place at the time a development permit is issued; or
2. Development orders and permits are issued subject to the condition that the necessary facilities and services will be in place when the impacts of the development occur; or
3. The necessary facilities are under construction at the time a development order or permit is issued; or
4. The necessary facilities are guaranteed in an enforceable development agreement meeting the requirements of the Concurrency Management System Rules of the Department of Community Affairs (Rule 9J-5). The agreement must guarantee that the necessary facilities will be in place when the impacts of the development occur.

B Parks and Recreation:

1. Any of the provisions of section A.1.-A.4, listed above for potable water, sewer, solid waste and drainage; or
2. The necessary facilities are the subject of a binding executed contract which provides for the commencement of the actual construction of the required facilities within one (1) year of the issuance of the development order or permit; or
3. The necessary facilities are guaranteed in an enforceable development agreement which requires the commencement of the actual construction of the facilities within one (1) year of the issuance of the applicable development order or permit.



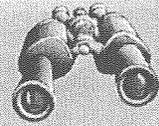
ATTACHMENT 6

Proposed Amendments to the Intergovernmental Element (06F.TXT02.4)

- **Revision to Goals, Objectives and Policies**

(Note: The amendments have been inserted directly into the appropriate Comprehensive Plan pages in strike and underlined format indicating deletion and addition respectively.)

Vision 2020 Comprehensive Plan Seminole County, Florida



Housing Element

Policy HSC 9.1 Housing Program Implementation

The County's Community Development Office shall continue to be the lead agency to formulate a coordinated affordable housing development and assistance program and administer the County's various housing and community development/redevelopment activities.

Design Element

Policy DES 2.4 Coordination on Scenic, Canopy and Gateway Roads

The County shall continue, when appropriate, to pursue interlocal agreements and joint projects with municipalities and private agencies for the designation, implementation and funding of scenic and gateway roadway programs and identify and determine the feasibility of alternative revenue sources for the implementation of scenic corridor programs. A coordinated approach to the design of all roads in development corridors will be explored to seek establishment of a unified base-line for improvements on all highways in the development corridors and mixed-use centers in urban areas. As a condition of future joint planning agreements and other formal agreements, the County shall pursue provisions regarding the maintenance of County roadway overlay standards and other appropriate design standards.

Recreation and Open Space Element

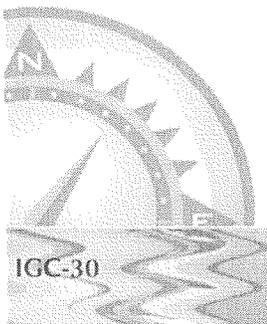
Policy REC 8.3 Joint Projects

The County shall continue to pursue interlocal agreements and joint projects with municipalities and private agencies for the designation, implementation and funding of scenic roadway programs where appropriate.

Policy IGC 1.9 Joint Processes for Collaborative Planning

By December 31, 2002, the County shall enter into an or revise/strengthen, as needed, an interlocal or other formal agreement with each of the municipalities within Seminole County, the School Board Seminole County and any unit of local government service providers that will:

- A Establish joint processes for collaborative planning and decision making on population projections and public school siting, the location and extension of public facilities subject to concurrency, and siting facilities with countywide significance, including locally unwanted land uses whose nature and identity are established in the agreement.
- B Clearly articulate generally accepted principles and guidelines for coordination of the County's Comprehensive Plan with the plans of the School Board and other units of local government providing services but not having regulatory authority over the use of land, with adjacent municipalities, adjacent counties, the East Central Florida Regional Planning Council, and with the State Comprehensive Plan, as the case may require and as such adopted plans or plans in preparation may exist.





Vision 2020 Comprehensive Plan Seminole County, Florida

OBJECTIVE IGC 3 COORDINATION OF PLAN WITH REGIONAL, STATE AND FEDERAL AGENCIES

Seminole County shall coordinate its Comprehensive Plan with the plans and programs of regional, State and Federal agencies in order to more effectively and efficiently address cross jurisdictional issues through implementation of the following policies:

Policy IGC 3.1 Compliance of State Development with Local Regulations

The County shall continue to review all State and other government development activities for consistency with the Plan and land development regulations. Such development will be considered subject to local regulation unless found to be statutorily exempt, in which case the County shall rely on other coordination mechanisms, including, but not limited to, informal negotiation, to ensure the compatibility of the development with County land development regulations.

Policy IGC 3.2 Division of Historical Resources

The County will continue to coordinate with the Department of State, Division of Historical Resources on Developments of Regional Impacts and CDBG site reviews, maintenance of the Florida Master Site File (FMSF), and matching grants for identification, evaluation and planning for the management of historical resources within Seminole County.

Policy IGC 3.3 Plan Coordination

Seminole County shall coordinate its comprehensive planning activities with the plans and programs of regional, State and Federal agencies by, at minimum, continuing to coordinate with the following agencies: East Central Florida Regional Planning Council; St. Johns River Water Management District; Metropolitan Planning Organization (METROPLAN ORLANDO); Central Florida Regional Transportation Authority (LYNX), the Florida Departments of Environmental Protection, Transportation, and Community Affairs; the Florida Public Service Commission, the Seminole County Expressway Authority, the Florida Highway Patrol; and the Federal Agencies of Housing and Urban Development, Federal Transit Administration, Federal Environmental Protection Agency, Federal Emergency Management Agency and the Army Corps of Engineers. The County shall also seek legislative action by the Florida Legislature when the needs of the County so require. The County shall continue to work on issues with the Florida Association of Counties and shall consider working with the Florida League of Cities in so much as the County is now a charter County.

In particular, the County shall coordinate with the St Johns River Water Management District's most current Regional Water Supply Plan when proposing or amending the ten-year Water Supply Facilities Work Plan (Work Plan). This coordination shall be documented in the text of the Work Plan with each amendment. Where appropriate and feasible, the Work Plan shall include collaborative approaches with other local governments for water supply source use and development, and water resource development.

(Revised: Amendment 06f.TX102.4, Ordinance 2006-XX, 12/12/2006)

Policy IGC 3.4 Coordination During Major Regional Transportation Construction Projects

The County will coordinate with the Florida Department of Transportation, the Central Florida Regional Transportation Authority (LYNX), and other jurisdictions and agencies to prepare in advance for the maintenance of traffic during construction of major regional transportation projects.



ATTACHMENT 7

Legislative Requirements

The 2002 and 2005 Legislatures expanded the local government comprehensive plan (Plan) requirements to strengthen coordination of water supply planning and local land use planning. One of the most significant new requirements is a 10-year Water Supply Facilities Work Plan.

The work plan must project the local government's needs for at least a 10-year period, identify and prioritize the water supply facilities and source(s) of water that will be needed to meet those needs, and include in the local government's Five-Year Schedule of Capital Improvements the capital improvements identified as needed for the first five years. Each listed capital improvement included in the Five-Year Schedule must identify a financially feasible revenue source, not one that is speculative or contingent upon voter approval.

Listed below is a summary of the Plan amendment and Evaluation and Appraisal Report (EAR) requirements. Each summary describes the reason for the proposed amendments to the Plan.

1. Coordinate all aspects of their comprehensive plan with the appropriate water management district's regional water supply plan (see s.163.3177(4)(a), F.S.).
2. Revise the Potable Water sub-element considering the appropriate water management district's regional water supply plan (s.163.3177(6)(c), F.S.). The element must incorporate the alternative water supply project or projects selected by the local government from those identified in the regional water supply plan pursuant to s. 373.0361(2)(a) or proposed by the local government under s. 373.0361(7)(b).
3. Revise the Potable Water sub-element to include a Water Supply Facilities Work Plan for at least a 10-year planning period and must identify such alternative water supply projects and traditional water supply projects and conservation and reuse necessary to meet the water needs identified in s. 373.0361(2)(a) within the local government's jurisdiction. (see s.163.3177(6)(c), F.S.).
4. Revise the Conservation Element to ensure that projected water needs and sources are for at least a 10-year planning period and that full consideration is given to the appropriate regional water supply plan or, in the absence of an approved regional water supply plan, the district water management plan (s.163.3177(6)(d), F.S.).
5. Revise the Intergovernmental Coordination Element to ensure coordination of the comprehensive plan with the applicable regional water supply plan (s.163.3177(6)(h)1., F.S.).
6. Consider, during preparation of the Evaluation and Appraisal Report, the appropriate regional water supply plan and the need to revise the Potable Water Sub-element to include the Water Supply Facilities Work Plan (s.163.3191(2)(l), F.S.).

ATTACHMENT 8
Seminole County
ECONOMIC IMPACT STATEMENT

Date:	06/22/2006	Dept/Div:	P&D/Planning Division
Contact:	Dick Boyer	Phone Ext:	407-665-7382
Action:	Adopt an ordinance amending the text of the Comprehensive Plan		
Topic:	Water Supply Facilities Work Plan		

Describe Project/Proposal

The purpose of this amendment is to comply with Year 2002 legislation to amend the local comprehensive plans to include a ten-year water supply plan as part of the Potable Water Element and make other amendments as required/needed. The goal is to ensure that long term planning for needed water supplies and facilities matches current planning activities and development approvals.

Describe the Direct Economic Impact of the Project/Proposal upon the Operation of the County

Since historically normal expansion of the use of groundwater is being restricted to protect this resource and other measures to both reduce use and institute the development and use of alternative water supplies are being required, the overall expense of providing water to users can be expected to increase. These are not, however, optional measures. They are legislative requirements. These amendments extend the county's normal five year planning period for water facilities to a ten year period and are done to comply with legislative requirements for expanded water planning.

Describe the Direct Economic Impact of the Project/Proposal upon the Property Owners/Tax Payers/Citizens who are Expected to be Affected

Since historically normal expansion of the use of groundwater is being restricted to protect this resource and other measures to both reduce use and institute the development and use of alternative water supplies are being required, the overall expense of providing water to users can be expected to increase. These are not, however, optional measures. They are legislative requirements. These amendments extend the county's normal five year planning period for water facilities to a ten year period and are done to comply with legislative requirements for expanded water planning.

Identify Any Potential Indirect Economic Impacts, Positive or Negative, Which Might Occur as a Result of the Adoption of the Ordinance

The extended planning horizon and potential for coordination with local and regional water suppliers and users is expected to have a neutral-to-positive economic impact.

Citation

None.