

TREASURE COAST REGIONAL PLANNING COUNCIL

MEMORANDUM

To: Council Members AGENDA ITEM 8J

From: Staff

Date: March 20, 2015 Council Meeting

Subject: Local Government Comprehensive Plan Review
Draft Amendment to the City of Lake Worth Comprehensive Plan
Amendment No. 15-1ESR

Introduction

The Community Planning Act, Chapter 163, *Florida Statutes*, requires that the regional planning council review local government comprehensive plan amendments prior to their adoption. The regional planning council review and comments are limited to adverse effects on regional resources or facilities identified in the strategic regional policy plan (SRPP) and extrajurisdictional impacts that would be inconsistent with the comprehensive plan of any affected local government within the region. Council must provide any comments to the local government within 30 days of the receipt of the proposed amendments and must also send a copy of any comments to the state land planning agency.

The amendment package from the City of Lake Worth contains text changes to the Future Land Use, Infrastructure, Coastal Management, Conservation, Intergovernmental Coordination, and Capital Improvements elements of the comprehensive plan related to an update to the 10-Year Water Supply Facilities Work Plan (WSFWP). This report includes a summary of the proposed amendment and Council comments.

Summary of Proposed Amendment

The proposed amendment provides text changes to the comprehensive plan based on an update to the 10-Year WSFWP. The updated WSFWP is adopted by reference in Policy 4.1.5.4 of the Infrastructure Element. The city's plan includes many new and updated policies designed to support and implement the WSFWP. The WSFWP plan forecasts future water demand based upon the latest population projections plus identifies water supply sources, availability and facilities needed to serve existing and new development within the local government's jurisdiction. The work plan was updated to be consistent with the Lower East Coast Regional Water Supply Plan, which was updated by the South Florida Water Management District (SFWMD) on September 12, 2013.

The WSFWP indicates that the city is currently permitted by the SFWMD to withdraw a total annual allocation of 4,106 million gallons per year. The city withdraws water from both the surficial and Floridan aquifers. The city has nine active wells in the surficial aquifer and three wells in the Floridan aquifer. The city owns and operates the City of Lake Worth Water Treatment Plant, which provides potable water to the city's water service area. The water service area includes approximately 10 square miles. The water service area includes areas in unincorporated Palm Beach County, and two bulk water areas that serve Lake Osborne Estates and Lake Clarke Shores/Hypoluxo Village. The WSFWP concludes that the water supply allocations granted to the city will be adequate to serve the projected demand during the ten year planning period.

Regional Impacts

No adverse effects on regional resources or facilities have been identified.

Extrajurisdictional Impacts

The proposed amendment was circulated by the Palm Beach County Intergovernmental Plan Amendment Review Committee Clearinghouse Coordinator on January 2, 2015. No extrajurisdictional impacts have been identified.

Conclusion

No adverse effects on regional resources or facilities and no extrajurisdictional impacts have been identified.

Recommendation

Council should approve this report and authorize its transmittal to the City of Lake Worth and the Florida Department of Economic Opportunity.

Attachments

List of Exhibits

Exhibit

- 1 General Location Map
- 2 Text Changes in Underline and Strike-through Format

Exhibit 1 General Location Map

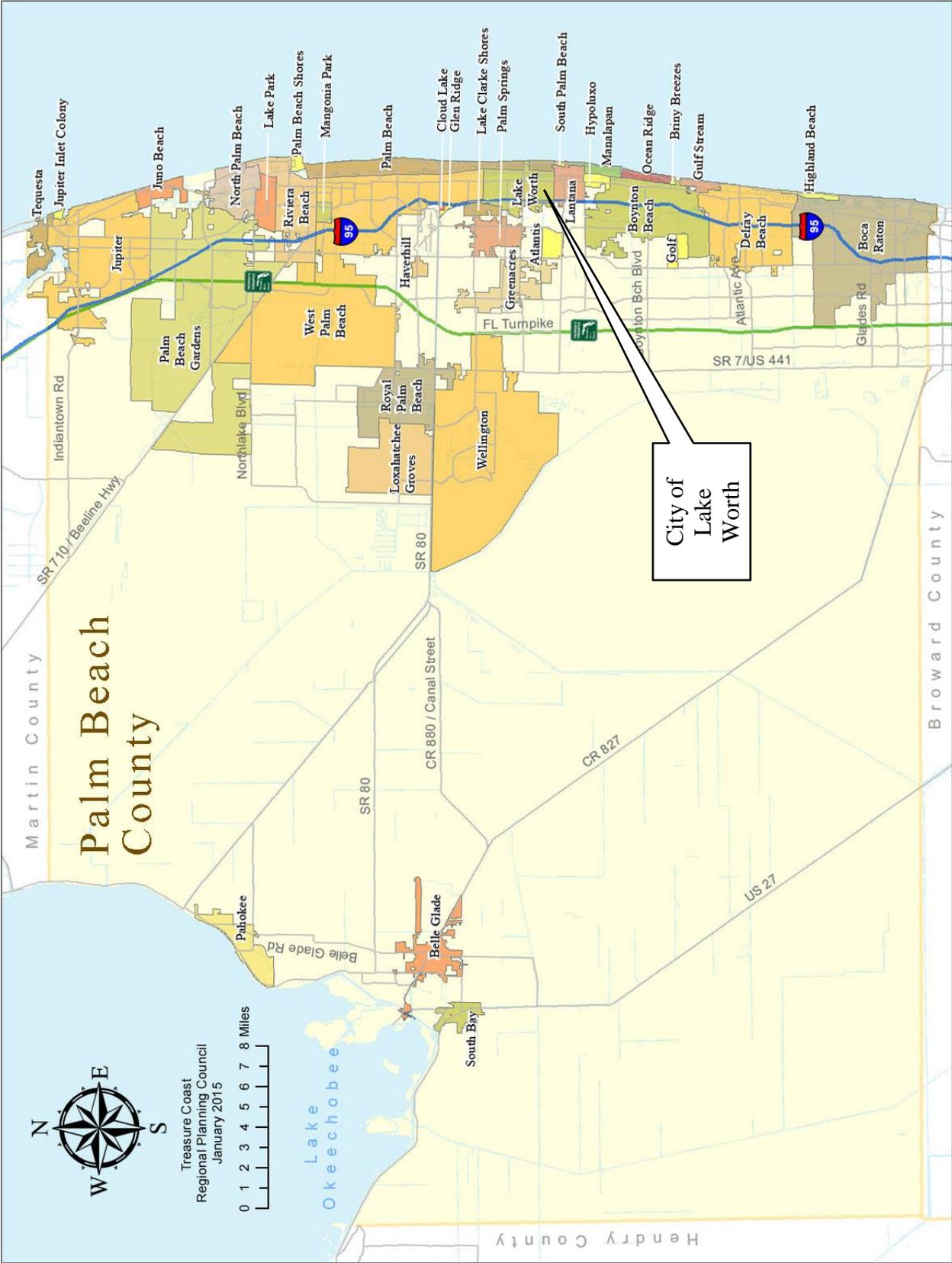


Exhibit 2

Text Changes in Underline and Strike-through Format

Comprehensive Plan Goals, Objectives and Policies (GOP)

5.1 Comprehensive Plan GOP

As noted in 163.3177(6)(c)3, F.S., local governments are required to update their Water Supply Facilities Work Plan through an amendment to their Comprehensive Plan within 18 months of the SFWMD Governing Board's adoption of the regional Water Supply Plan.

The most recent update to the LEC Water Supply Plan was adopted by the SFWMD governing board on September 12, 2013. Therefore, by March 2015, the City is required to revise their Comprehensive Plan to incorporate the updated 10-Year Water Supply Facilities Work Plan.

The following section provides the finalized list of Goals, Objectives and Policies which are recommended for adoption in the City's 2015 Comprehensive Plan amendments.

POTABLE WATER SUPPLY OBJECTIVES AND POLICIES

Objective 4.1.5: ~~To provide for short term and long term potable water needs through the establishment of new wells, as required, to serve the water supply service area through the planning period. To plan for and assure an adequate supply of excellent quality potable water to meet the needs of all residents and non-residential establishments within the City of Lake Worth and within the City's service area during the 10 year Water Supply Plan planning horizon.~~

Policy 4.1.5.1: The City will continue to implement a short- and long-term schedule for establishment of new wells through the planning period as provided for in the "South Florida Water Management District's Consumptive Use Permit No. Re-Issue 50-00234-W", dated ~~January, 2006~~ October 29, 2012.

Policy 4.1.5.2: The City will continue to investigate potential sites in the service area for placement of additional production wells in order to ensure acquisition of adequate well sites to meet long-term demands.

Policy 4.1.5.3: ~~South Florida Water Management District adopted the Lower East Coast (LEC) Regional Water Supply Plan in February, 2007. By August 15 2008, the City shall update this potable water subelement to incorporate the alternative water supply projects selected by the City to meet the supply needs. The City will maintain a water supply facilities work plan that is coordinated with SFWMD's District Lower East Coast Regional Water Supply Plan and Palm Beach County by updating its own work plan within 18 months of an update to SFWMD's District Lower East Coast Regional Water Supply Plan.~~

Comprehensive Plan Goals, Objectives and Policies (GOP)

- Policy 4.1.5.4: By ~~December, 2008~~ March, 2015, the City shall coordinate with SFWMD and develop a 10-year work plan considering Lower East Coast (LEC) Regional Water Supply Plan. The City hereby adopts by reference the "City of Lake Worth 2014 10-Year Water Supply Plan", dated December 2014. The City shall send a letter to SFWMD which identifies projects for future water supply needs of the City. Projects must be selected from the LEC Regional Water Supply Plan or must be prior approved by SFWMD.
- Policy 4.1.5.5: The City's *Water Supply Plan* will be consistent with the standards and regulations established by the SFWMD, FDEP, State and other jurisdictional agencies.
- Policy 4.1.5.6: The City will coordinate with Palm Beach County, Lake Clark Shores, and Lake Osborne Estates to ensure that the City's estimates and projections for potable water demand are incorporated into their estimates of demand.
- Policy 4.1.5.7: Based upon the adopted level of service data and analysis in the City's *Water Supply Plan*, the City will review future demands to verify that there are no needs for future expansion of potable water facilities.
- Policy 4.1.5.8: If new development would result in a significant increase in population beyond current projections, the City shall re-evaluate the potable water system capacity and ensure that the central water system can meet level of service standards prior to issuance of a development order.
- Policy 4.1.5.9: The City shall continue to monitor groundwater supply conditions in conjunction with the SFWMD.
- Policy 4.1.5.10: The City shall encourage and require, as needed, the interconnection and looping of existing and proposed segments of the potable water distribution system.
- Policy 4.1.5.11: The City has determined the most cost-effective option for augmenting the potable water system with an alternative water source is through the use of the Floridan Aquifer water supply source and the construction of an RO Water Treatment. The City shall pursue cooperative efforts with SFWMD, Palm Beach County, and other local jurisdictions, in providing cost-effective alternative water supply solutions.
- Policy 4.1.5.12: The City shall continue operation of the Reverse Osmosis Water Treatment Plant Project that will utilize the three existing Floridan wells, and implement a blended finish water supply of Reverse Osmosis treated water that also utilizes Lake Worth Lime Softened Surficial water. This allows the City to continue to meet ever more restrictive water standards while leaving the greatest flexibility with respect to water supply alternatives.
- Objective 4.1.6: To maximize the use of water facilities within the Lake Worth Water and Sewer Service Area, to discourage urban sprawl, the City shall maintain a**

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service area boundary for potable water and shall discourage leapfrog development and urban sprawl.

Policy 4.1.6.1: The City's Utility Department will make its number one priority the maintenance and improvement of the existing water system through an aggressive program to replace old and /or undersized water mains.

Policy 4.1.6.2: The City will ~~aggressively~~ actively pursue the installation of new water systems to serve the County residents within its service area.

Policy 4.1.6.3: The City may provide or receive wholesale potable water service to or from other cities and Palm Beach County by written agreement.

Policy 4.1.6.4: The City shall be the provider of potable water to residents and nonresidential establishments within the City's water service area boundary except as otherwise established by written agreement.

Policy 4.1.6.5: The City shall discourage urban sprawl by maintaining a Service Area boundary, such that:

- All new developments within the City's Service Area shall connect to the City's existing centralized water supply/treatment facilities, except as otherwise established by written agreement.
- The City shall only provide service to those areas included in the City's delineated Service Area, except as otherwise established by written agreement.
- The City shall require new home construction to connect to City water service, if available.
- Reconnection to private well service in lieu of City potable water is not an option once connected to City service.
- The City shall not allow disconnection from existing City potable water service, unless by written agreement.

Objective 4.1.7: To conserve potable water.

Policy 4.1.7.1: ~~The City will continue to enforce its LDRs, which mandate encourage implementation of xeriscape practices.~~ The City shall adopt a Policy which requires the use of water-efficient landscaping in all new development and redevelopment, and require functioning rain-sensor devices on all automatic irrigation systems on new systems.

Comprehensive Plan Goals, Objectives and Policies (GOP)

- Policy 4.1.7.2: ~~The City will require all new construction and renovation to utilize water conserving plumbing fixtures.~~ The City will promote water conservation through the enforcement of the adopted Building Code which requires such items as low-volume commodes, water flow restrictions for showers and spigots and similar devices in all new construction and renovations, and will comply with the appropriate water management district water use restrictions.
- Policy 4.1.7.3: The City will provide information to prospective developers on xeriscape or water-conserving landscaping principles, including the use of highly drought-resistant plant materials, limiting the areas of turf cover to areas where functional benefits are provided, efficient irrigation systems, and the use of soil improvements and mulches to improve water holding capacity. ~~A copy of the South Florida Water Management District's Model Xeriscape Landscape Code will be maintained on file at City Hall for this purpose.~~
- Policy 4.1.7.4: The City shall maximize the efficiency of public water distribution system by decreasing the unaccounted for water (UAW) and demonstrate steady progress towards meeting a 10% UAW as soon as practicable. This shall be monitored by conducting system water audits of the distribution system on an annual basis, and a comprehensive audit every 5 years to provide an effective means of identifying and reducing water and revenue losses and making better use of water resources. The City shall also develop and maintain an accurate model of the water distribution system to accurately estimate customer water usage so that it may be compared with measured consumption to determine where unaccounted losses may be occurring.
- Policy 4.1.7.5: The City shall maintain a leak detection protection program, in accordance with AWWA Manual M-36, in order to discover and eliminate wasteful losses of potable water from the City's distribution system. Detecting and fixing leaks can provide one of the largest returns on investment, especially in older systems.
- Policy 4.1.7.6: ~~The City will continue to coordinate and cooperate with the South Florida Water Management District.~~ The City will continue to cooperate with the South Florida Water Management District (SFWMD) in its efforts to restrict the unnecessary consumption of potable water, particularly as it relates to irrigation, lawn watering, and car washing during periods of drought, supply reduction, and other emergencies.
- Policy 4.1.7.7: The City shall coordinate local water conservation education efforts with the SFWMD and the Palm Beach County School Board.
- Policy 4.1.7.8: The City shall adhere to SFWMD emergency water shortage restrictions when mandated by the District.

Comprehensive Plan Goals, Objectives and Policies (GOP)

Policy 4.1.7.9: The City shall inform residents and businesses of, and shall encourage their participation in, the County's water conservation programs. These information and educational programs shall include the following types of efforts:

- a. establish conservation information kiosks to provide literature at City facilities. Make multilingual materials available as needed;
- b. create information banner signs to be attached to City facilities and park fences, promoting water conservation.
- c. create informational links and tools to be placed on the City's website, promoting water conservation.
- d. pursuing funding through SFWMD Community Education Grant and cooperative funding programs for educational efforts such as demonstration gardens and prototype landscaping on public properties; and,
- e. Inviting speakers for forums or workshops at City Hall.
- f. ~~continue to promote water efficient household appliances through rebates for replacing inefficient appliances.~~
- g. ~~continue to provide low flow shower heads, aerators, and flow restrictors through the conservation kit program.~~
- h. ~~provide free residential water audits to customers. A residential water audit should include the inspection of toilets, showers, faucets, clothes washers, dishwashers, water filters, water softeners, evaporative coolers, spa/hot tub, etc. for leaks, flow rate, presence of water saving retrofit devices, and efficient use of fixtures and appliances by residents. Audits should include a payback analysis showing homeowners how reductions in water costs justify the investment in the recommended upgrades.~~

Policy 4.1.7.10: The City shall promptly repair leaks found within the water distribution system as expeditiously as possible. Leaks causing property damage or affecting public safety should be fixed immediately.

Objective 4.1.8: **Assure Ensure City potable water quality meets or exceeds Federal Water Quality Standards.**

Policy 4.1.8.1: The City will continue to maintain and upgrade the existing water treatment plant to provide a safe, high quality potable water supply for its customers. The impact of new federal water quality standards will be evaluated to determine necessary changes in plant process or operation.

Comprehensive Plan Goals, Objectives and Policies (GOP)

Objective 4.1.8.1: Central System. Based upon adopted level of service standards, analysis in the City's Water Supply Plan, and the SFWMD's District Lower East Coast Water Supply Plan the City shall determine timing for upgrading the Central System (Supply and Treatment System) based on the following evaluation criteria:

Policy 4.1.8.1.1: The City's level of service for potable water supply shall be a minimum of 105 GPCD (gallons per capita per day).

Policy 4.1.8.1.2: Total capacity shall equal or exceed the Maximum Day Demand (MDD), including design fire flow demand. $Maximum\ Day\ Demand\ (MDD) = Total\ Water\ Consumed, divided\ by\ 365\ days, \times\ Maximum\ Day\ Peak\ Factor\ (1.5).$

Policy 4.1.8.1.3: With the largest well out of service, water supply capacity shall equal or exceed the Average Daily Demand (ADD). $Average\ Daily\ Demand\ (ADD)\ is\ the\ total\ water\ consumed\ during\ a\ calendar\ year\ divided\ by\ 365\ days.$

Policy 4.1.8.1.4: The capacity of the water treatment system shall be equal to or greater than the Maximum Day Demand (MDD).

Policy 4.1.8.1.5: When evaluating system pump capacity, the City shall use a peak factor of 1.1 GPM per equivalent residential connection (ERC) in the calculation of the system's ability to meet the level of service standard.

Policy 4.1.8.1.6: Assuming that the largest well is out of service, the water supply capacity shall be rated at the average daily demand.

Policy 4.1.8.1.7: The City shall require that any new Surficial Aquifer wells be constructed to produce capacities of between 600 and 800 gallons per minute, and any new Floridan Aquifer wells be constructed to produce capacities of 1,500 gallons per minute.

Policy 4.1.8.1.8: The total storage tank capacity, including all storage facilities city-wide, should be at least one-half (1/2) of the average daily consumption volume.

Policy 4.1.8.1.9: The water distribution system shall provide peak flow storage for the difference between peak flow and well flow for the duration of the fire flow, with a buffer of 10%. Fire flow is the flow of water required to fight a major fire.

Policy 4.1.8.1.10.: The high service pump capacity shall at least be equal to the maximum daily peak factor demand, assuming that the largest high service pump is out of service.

Policy 4.1.8.1.11: The water distribution system shall be capable of delivering the peak hour flow (without fire demand) with a minimum residual pressure of thirty (30) pounds per square inch (psi).

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Policy 4.1.8.1.12: The maximum velocity through any pipe shall be 8 feet per second.

Policy 4.1.8.1.13: The auxiliary power should meet the Florida Department of Environmental Protection (FDEP) criteria of providing ½ the maximum daily flow.

Objective 4.1.8.2: Operations & Maintenance. The City will annually adopt programs and activities to maintain the central system.

Policy 4.1.8.2.1: The City will maintain its potable water treatment facilities in optimum condition by the implementation of a preventive maintenance program.

Policy 4.1.8.2.2: The City will review water fee methodology and user rates annually during the budget process to ensure adequate funding for treatment, storage and distribution facilities.

Policy 4.1.8.2.3: The City will develop a system to review individual customer water meters to ensure proper readings of those meters.

Policy 4.1.8.2.4: The City will institute a replacement or “change out” schedule for meters in the field to ensure replacement when accuracies exceed the industry tolerance range.

Policy 4.1.8.2.5: All improvements and/or additions to potable water facilities to correct deficiencies shall be adequate to meet the adopted level of service standards, based upon data and analysis in the City's *Water Supply Plan* and the SFWMD's *District Lower East Coast Water Supply Plan*.

Policy 4.1.8.2.6: Improvements and/or additions to potable water facilities shall comply, at a minimum, with standards recognized and approved by the Florida Department of Environmental Protection, specifically including the American Society of Civil Engineers and the American Water Works Association.

Objective 4.1.8.3: New Well Development. The City shall evaluate water supply sources and quality considerations when developing new wells, as well as repairing or improving the existing central potable water system.

Policy 4.1.8.3.1: The City shall maintain a five hundred (500) foot minimum spacing between wells, where practicable.

Policy 4.1.8.3.2: The City shall consider surrounding land uses when making the final selection of any well site.

Policy 4.1.8.3.3: The City shall consider well placement be a 100-foot minimum setback from sewer lines, where practicable.

Comprehensive Plan Goals, Objectives and Policies (GOP)

Policy 4.1.8.3.4: The City shall require a 200-foot minimum setback for well placement from septic tanks.

Policy 4.1.8.3.5: The City shall conduct an investigation by a geo-hydrologist to estimate the recommended well size and depth, pumping capacity, casing length, projected aquifer drawdown, and any other site specific considerations to be utilized in the final design of new wells.

Policy 4.1.8.3.6: The City shall conduct a detailed analysis of potential well contamination sources, as necessary.

Objective 4.1.8.4: Fire Protection. Provide adequate delivery and distribution of potable water to meet fire protection demand within the City of Lake Worth and the City's service area.

Policy 4.1.8.4.1: The City shall monitor, evaluate, repair and replace the existing water delivery and distribution system to ensure the system can deliver the needed gallon per minute flows to meet fire protection demands.

Policy 4.1.8.4.2: The City shall maintain an active water system and fire hydrant mapping and numbering program.

Policy 4.1.8.4.3: The City shall extend water distribution mains to areas within the City's service area and provide adequate fire protection service to residents and non-residential establishments located within the service area provided the residents/developers participate in the costs.

Policy 4.1.8.4.4: Fire flow levels of service shall meet PBC Fire Department Standard Requirements and be based upon delivery pressures of twenty (20) psi residual and minimum fire flows of 1,000 GPM for residential and 1,500 GPM for non-residential and multi-family developments.

FUTURE LAND USE ELEMENT GOALS, OBJECTIVES, AND POLICIES

Policy 1.3.5.6: Prior to approving a building permit or its functional equivalent, the City shall consult with its Utility Department to determine whether adequate water supplies to serve the new development will be in place and available no later than the anticipated date of the CO or its functional equivalent.

~~Consultation with water supplier is required prior to the issuance of site plan approval. In accordance with Section 163.3180(2)(a), F.S., the City shall determine whether there will be adequate water supplies to serve the new development prior to approval of a building permit or its functional equivalent. All development is subject to the City's Concurrency Management system. The City~~

Comprehensive Plan Goals, Objectives and Policies (GOP)

~~shall track current water demand and outstanding commitments in order to determine the availability of an adequate water supply for proposed developments.~~

Infrastructure Element:

Policy 4.1.1.1: The following level of service standards should be adopted and used as the basis for determining the availability of facility capacity and the demand generated by a development.

Facility/Service Area	Level of Service Standard
Sanitary Sewer Facilities	Collection and treatment of 100 gallons per capita per day at secondary treatment level
Solid Waste Facilities	Collection and disposal of 6.5 pounds of solid waste per capita per day
Stormwater Quantity	Design storm frequency for a 3-year, 1-hour storm duration, as recorded in the FDOT Rainfall Intensity Curves, current edition
Potable Water Facilities	Provision of potable water at quality levels required by regulatory agencies and in quantities of at least 485 105 GPCD (gallons per capita per day), inclusive of water for irrigation purposes and maintenance of water pressure at 40 30 psig residual, and 55 psig static
<u>Parks</u>	<u>2.5 acres of neighborhood and/or community parks for every 1,000 persons.</u>

Policy 4.1.1.7: Prior to approving a building permit or its functional equivalent, the City shall consult with its Utility Department to determine whether adequate water supplies to serve new development will be in place and available no later than the anticipated date of the CO or its functional equivalent.

~~Consultation with water supplier is required prior to the issuance of building permit to ensure adequate water supply is available to serve new development by the date of issuance of a certificate of occupancy. In accordance with Section 163.3180(2)(a), F.S., the City shall determine whether there will be adequate water supplies to serve the new development prior to approval of a building permit or its functional equivalent. All development is subject to the City's Concurrency Management system. The City shall track current water demand and outstanding commitments in order to determine the availability of an adequate water supply for proposed developments.~~

**COASTAL MANAGEMENT ELEMENT
GOALS, OBJECTIVES, AND POLICIES**

Policy 5.1.1.4: The City will ensure that any new regulation to protect water resources is consistent with SFWMD's environmental resource permitting and consumptive permitting use permitting rules.

**CONSERVATION ELEMENT
GOALS, OBJECTIVES, AND POLICIES**

Policy 6.1.3.7: The City will study water usage and recommendations for reduction of use for irrigation purposes and enforce the SFWMD Model Water Conservation Ordinance. The City shall adopt an Ordinance which requires the use of water-efficient landscaping in all new development and redevelopment, and require functioning rain-sensor devices on all automatic irrigation systems on new systems.

Policy 6.1.3.8: The City will require as a condition of any building permit that the irrigation plan be reviewed for the conservation of water. The City will continue to cooperate with the South Florida Water Management District (SFWMD) in its efforts to restrict the unnecessary consumption of potable water, particularly as it relates to irrigation, lawn watering, and car washing during periods of drought, supply reduction, and other emergencies.

Policy 6.1.3.9: The City will require all new construction and renovation to utilize water conserving plumbing fixtures. The City will promote water conservation through the enforcement of the adopted Florida Building Code which requires such items as low-volume commodes, water flow restrictions for showers and spigots and similar devices in all new construction and renovations, and will comply with the appropriate water management district water use restrictions.

Policy 6.1.3.10: The City will provide information to prospective developers on xeriscape or water-conserving landscaping principles, including the use of highly drought-resistant plant materials, limiting the areas of turf cover to areas where functional benefits are provided, efficient irrigation systems, and the use of soil improvements and mulches to improve water holding capacity. A copy of the SFWMD Model Xeriscape Landscape Code will be maintained on file at City Hall for this purpose.

Policy 6.1.3.11: The City will coordinate and cooperate with the South Florida Water Management District and shall consider regional water supply plan to develop a 10-year work plan to build the identified water supply facilities, by December, 2008-March 2015.

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Policy 6.1.3.12: The City shall coordinate local water conservation education efforts with the SFWMD and the Palm Beach County School Board.

Policy 6.1.3.13: The City shall adhere to SFWMD emergency water shortage restrictions when mandated by the District.

Policy 6.1.3.14: The City shall inform residents and businesses of, and shall encourage their participation in, the County's water conservation programs. These informational and educational programs shall include the following types of efforts:

- a. brochures and signage to be made available at City Hall;
- b. pursuing funding through SFWMD Community Education Grant and cooperative funding programs for educational efforts such as demonstration gardens and prototype landscaping on public properties; and,
- c. Inviting speakers for forums or workshops at City Hall.

INTERGOVERNMENTAL COORDINATION ELEMENT GOALS, OBJECTIVES, AND POLICIES

Policy 8.1.1.4: The City will coordinate and cooperate with the South Florida Water Management District.

Policy 8.1.1.5: ~~By December, 2008, the City shall develop a 10-year work plan considering the South Florida Water Management District regional water supply plan. The City will maintain a water supply facilities work plan that is coordinated with SFWMD's *District's Lower East Coast Regional Water Supply Plan* and Palm Beach County by updating its own work plan within 18 months of an update to SFWMD's *District's Lower East Coast Regional Water Supply Plan* that affect the City.~~

Policy 8.1.1.6 When preparing the annual update of the Capital Improvement Element, the City shall consult with the South Florida Water Management District to ensure coordination and consistency between the regional water supply plan and the City's water supply capital improvement projects.

Policy 8.1.1.7: The City will participate in the development of updates to SFWMD's Water Supply assessment and *District's Lower East Coast Water Supply Plan* and in other water supply development related initiatives facilitated by the SFWMD that affects the City and its service area.

Policy 8.1.1.8: Prior to approving a building permit or its functional equivalent, the City shall consult with its Utility Department to determine whether adequate water supplies

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to serve new development will be available. in place and available no later that the anticipated date of the CO or its functional equivalent. ~~The City shall determine whether there will be adequate water supplies to serve any new development within its Service Area prior to approval of a building permit or its functional equivalent, within any municipality in its Service Area. All proposed development within the City's Potable Water Service Area is subject to the City's Concurrency Management system. The City shall track current water demand and outstanding commitments in order to determine the availability of an adequate water supply for proposed developments.~~

Policy 8.1.1.9: The City will coordinate with Palm Beach County, the Town of Lake Clark Shores, Lake Osborne Estates and the SFWMD to ensure that the City's estimates and projections for potable water demand are incorporated into the their estimates of demand. In addition, the City will:

- a. Continue to maintain relationships with the SFWMD, Palm Beach County, the Town of Lake Clark Shores, and Lake Osborne Estates to maintain or reduce potable water consumption through education, conservation, and participation in ongoing programs of the region, county and local jurisdictions including coordinating local conservation education efforts with the SFWMD and the Palm Beach County programs.
- b. Continue to coordinate, as appropriate, with the Town of Lake Clarke Shores, Palm Beach County, Lake Osborne Estates and SFWMD regarding water supply issues. The coordination efforts will include, but not be limited to, sharing of information regarding water supply needs, implementing alternative water supply projects (including reuse and other conservation measures), and establishing level of service standards.

Policy 8.1.1.10: The City shall pursue cooperative efforts with SFWMD, Palm Beach County, and other local jurisdictions, in providing cost-effective options for augmenting the current potable water system with alternative water sources.

CAPITAL IMPROVEMENTS ELEMENT GOALS, OBJECTIVES, AND POLICIES

Policy 9.1.2.3: The Level of Service Standard for the water system shall be at least ~~at least 185~~ 105 gallons per person per day, inclusive of water for irrigation purposes, with a residual pressure of ~~40~~ 30 psig and a static pressure of at least ~~55~~ psig.

Policy 9.1.4.5: The City shall implement the five-year Capital Improvements Schedule for potable water facilities adopted in the Capital Improvements Element.

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Policy 9.1.4.6: The City will review the Capital Improvements Schedule annually and adopt a City Budget that prioritizes needed potable water improvements to meet the demands of future growth and approved developments.

Policy 9.1.4.7: The City will evaluate the production, expansion capabilities, and life expectancy of the water treatment plants in each update to the *Water Supply Plan*.

Policy 9.1.4.8: The City will maintain a water supply facilities work plan that is coordinated with *District's Lower East Coast Regional Water Supply Plan* and Palm Beach County by updating its own work plan within 18 months of an update to SFWMD's *District's Lower East Coast Regional Water Supply Plan* that affect the City.