

REQUESTED COMMISSION ACTION:

Consent Ordinance Resolution Consideration/
Discussion Presentation

SHORT TITLE AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA ADOPTING A COMPREHENSIVE PLAN, TEXT AMENDMENT TO AMEND THE POTABLE WATER SUB-ELEMENT, THE FUTURE LAND USE ELEMENT, AND THE CONSERVATION ELEMENT; PROVIDING FOR A DETERMINATION THAT A LOCAL PLANNING AGENCY HEARING WAS HELD ON OCTOBER 22, 2014; PROVIDING THAT A TRANSMITTAL AND ADOPTION PUBLIC HEARING WILL BE HELD; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; AND PROVIDING AN EFFECTIVE DATE.

Summary of Purpose and Why:

Staff is proposing text amendments to the Comprehensive Plan to address the state requirements for local governments to adopt updated Water Supply Facility Work Plans into their comprehensive plans within 18 months after the regional water supply plan is updated (Chapter 163, Part II, Florida Statutes).

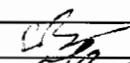
The revisions affect the Potable Water Sub-Element, Future Land use Element and the Conservation Element as follows:

- The Potable Water Sub-Element includes updates in the Consumptive Use Permit-review period, Water Facility Demand, Water Supply Plan date, climate change language, and miscellaneous verbiage corrections;
- The Future Land Use Plan Amendment has an additional Policy added for consistency; and
- The Conservation Element has deletions of two Drainage Element Policies, and miscellaneous verbiage corrections.

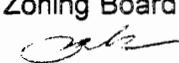
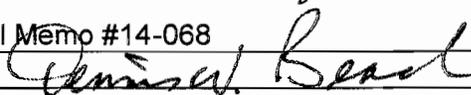
The Planning & Zoning unanimously recommended approval of these to the City's Comprehensive Plan. This is a companion item with the Ten Year Water Supply Plan also on this agenda.

TABLED FROM FEBRUARY 10, 2015 CITY COMMISSION MEETING Refer to Memo 15-122.

- (1) Origin of request for this action: City of Pompano Beach
- (2) Primary staff contact: Robin M. Bird/ Maggie Barszewski Ext. 7921
- (3) Expiration of contract, if applicable: N/A
- (4) Fiscal impact and source of funding: N/A

DEPARTMENTAL COORDINATION	DATE	DEPARTMENTAL RECOMMENDATION	DEPARTMENTAL HEAD SIGNATURE
Dev. Services	10/13/14	Approval	Memo# 14-462 
City Attorney	10/28/14		CAG# 2015-133 
Utilities	1/14/15	Approval	

Planning and Zoning Board Approval Memo #14-068

City Manager  

ACTION TAKEN BY COMMISSION:

Ordinance	Resolution	Consideration
Workshop		
1 st Reading <u>1/27/2015</u>	1 st Reading <u> </u>	Results: <u> </u>
Approved		
2 nd Reading <u>3/24/2015</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>



MEMORANDUM

Development Services

MEMORANDUM NO. 15-122

DATE: January 14, 2015

TO: Dennis W. Beach, City Manager

VIA: Robin M. Bird, Development Services Director *RB*

FROM: Maggie Barszewski, AICP, Planner *MB*

SUBJECT: Second Reading on March 24, 2015
Amending Ordinance for the Comprehensive Plan Amendments for the Water Use Update that had been first read on January 27, 2015

The Water Use Comprehensive Plan Text Amendments were approved for Transmittal to the Florida Department of Economic Opportunity (DEO) at the January 27, 2015 City Commission meeting. The DEO has completed its review and the proposed Ordinance should be placed on the March 24, 2015 City Commission agenda for second reading.

On behalf of the DEO, the South Florida Water Management District (SFWMD) has provided comments that are included in the attached letter (copy attached). In the comment letter, the SFWMD requests that the following policy be added to the proposed amendment language within the Potable Water Sub-Element under Objective 1:

Policy 10: The City hereby incorporates by reference the City of Pompano Beach Water Supply Facility Work Plan, March 24, 2015, as well as the Broward County Water Supply Facilities Work Plan, November 24, 2014.

This added policy is included in page two of Exhibit A (therefore the previous Exhibit A of the Ordinance is being replaced with the attached Exhibit A). With the approval of this Ordinance the City will be in compliance with Chapter 163, Part II, Florida Statutes.

This change to the Ordinance does not impact the Ordinance title.



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

March 11, 2015

Robin M. Bird, Director
Development Services Department
City of Pompano Beach
100 W. Atlantic Boulevard
Pompano Beach, FL 33060

**Subject: City of Pompano Beach, DEO #15-1ESR
Comments on Proposed Comprehensive Plan Amendment Package**

Dear Mr. Bird:

The South Florida Water Management District (District) has completed its review of the proposed amendment package from the City of Pompano Beach (City). The amendment updates the City's Water Supply Facilities Work Plan (Work Plan) and associated goals, objectives and policies of the Comprehensive Plan. There appear to be no regionally significant water resource issues; therefore, the District forwards no comments on the proposed amendment package. However, the District offers the following comment that we request the City address prior to adopting the amendment:

- Include a policy to incorporate both the City's Work Plan and the Work Plan of the City's other water provider, Broward County Water and Wastewater Services, by reference into the City's Comprehensive Plan. The policy should be specifically include the date and title of the adoption of each Work Plan.

The District offers its technical assistance to the City and the Department of Economic Opportunity in developing sound, sustainable solutions to meet the City's future water supply needs and to protect the region's water resources. Please forward a copy of adopted amendments to the District. For assistance or additional information, please contact Terry Manning, Planning and Policy Analyst, at (561) 682-6779 or tmanning@sfwmd.gov.

Sincerely,

A handwritten signature in black ink that reads "De Powell".

Dean Powell
Water Supply Bureau Chief

DP/tm

Robin M. Bird, Director
March 11, 2015
Page 2

c: Maggie Barszewshi, Pompano Beach
Barbara Blake Boy, BCPC
Ray Eubanks, DEO
Terry Manning, SFWMD
Jim Murley, SFRPC
Suzanne Ray, DEP
Henry Sniezek, Broward County

ORDINANCE NO. 2015-_____

CITY OF POMPANO BEACH
Broward County, Florida

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA ADOPTING A COMPREHENSIVE PLAN, TEXT AMENDMENT TO AMEND THE POTABLE WATER SUB-ELEMENT, THE FUTURE LAND USE ELEMENT, AND THE CONSERVATION ELEMENT; PROVIDING FOR A DETERMINATION THAT A LOCAL PLANNING AGENCY HEARING WAS HELD ON OCTOBER 22, 2014; PROVIDING THAT A TRANSMITTAL AND ADOPTION PUBLIC HEARING WILL BE HELD; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, pursuant to Section 163.3184 F.S., the Planning and Zoning Board/Local Planning Agency held a duly noticed public hearing on October 22, 2014 on the proposed amendment to the Future Land Use Element of the adopted City of Pompano Beach Comprehensive Plan, and subsequently recommended approval to the City Commission; and

WHEREAS, said amendment proposes to change the text of the Potable Water Sub-Element, the Future Land Use Element, and the Conservation Element of the Comprehensive Plan to address the Chapter 163, FS requirement to adopt the updated the Water Supply Facility Work Plan into the Comprehensive Plan by amending the affected Elements as shown in Exhibit A.

WHEREAS, pursuant to Ch. 163.3184(3), Florida Statutes the City Commission held at least one duly noticed public hearing on the proposed amendment to the Future Land Use Element of the adopted City of Pompano Beach Comprehensive Plan; and

WHEREAS, at the public hearings, the parties having an interest and all other citizens so desiring had an opportunity to be and were in fact heard; and

WHEREAS, all staff reports, minutes of meetings, findings of fact and support documents are hereby incorporated by reference; and

WHEREAS, the City Commission has considered the application in its entirety, staff reports, minutes of meetings, findings of fact and support documents and determines the request is in the best interests of the City; now, therefore,

BE IT ENACTED BY THE CITY OF POMPANO BEACH, FLORIDA:

SECTION 1: That the foregoing application recitals, findings of fact, minutes of meetings and all staff reports and documents are true and correct, and are hereby incorporated by reference and transmitted.

SECTION 2: That duly noticed public hearing was held on October 22, 2014 by the Local Planning Agency in compliance with Section 163, Florida Statutes, to consider the referenced Future Land Use Element Text Amendment.

SECTION 3: That the City Commission hereby approves and adopts the proposed amendment to change the text of the Future Land Use Element of the Comprehensive Plan by amending the affected Elements as shown in Exhibit A.

SECTION 4: That the City Clerk is directed to transmit a certified copy of this Ordinance to the Department of Community Affairs and required State Agencies for review under the Alternative Review process allowed by Ch. 163.

SECTION 5: The City Clerk is directed to transmit a certified copy of this Ordinance to the Broward County Planning Council with the City's amended Future Land Use Element for the Planning Council to recertify the City Future Land Use Element.

SECTION 6: That in the event any provision or application of this Ordinance shall be held invalid, it is the legislative intent that the other provisions and applications thereof shall not be thereby affected;

SECTION 7: That all Ordinances or parts of Ordinances in conflict herewith are to the extent of said conflict, hereby repealed.

SECTION 8: That this Ordinance shall take effect immediately upon its passage and adoption, but the amendments shall not become effective until the Broward County Planning Council recertifies the City Comprehensive Plan as consistent with the County Land Use Plan.

PASSED FIRST READING THIS 27th DAY OF JANUARY, 2015.

PASSED SECOND READING THIS _____ DAY OF _____, 2015.

LAMAR FISHER, MAYOR

ATTEST:

ASCELETA HAMMOND
CITY CLERK

Exhibit A

1 of 16

**Proposed Amendments
To the Pompano Beach Comprehensive Plan
Potable Water Sub-Element
Future Land Use Element & the
Conservation Element**

Proposed text amendments to the Pompano Beach Comprehensive Plan's Potable Water Sub-Element, Future Land Use Element and the Conservation Element to comply with Section 163.3177, Florida Statutes, and to reflect the updates identified in the 2014 Water Supply Facilities Plan.

Note: underlined words are proposed additions, strikethroughs are proposed deletions.

POTABLE WATER SUB-ELEMENT
GOALS, OBJECTIVES AND POLICIES

Goal 1: Provide safe, reliable, cost effective potable water to all residents and business within the City's water utility service areas and make capital improvements necessary to maintain or improve potable water services.

Objective 1: Health & Safety

The City shall ensure the provision of a safe and sanitary supply of potable water to customers in its service area through good operating practices.

- Policy 1: Deliver safe and reliable potable water to residents and businesses in the City of Pompano Beach service area.
- Policy 2: Maintain a conservation rate structure for potable water which provides a minimum level of usage at a cost effective rate
- Policy 3: Maintain agreements for the delivery of safe and reliable potable water to City of Pompano Beach residents and businesses which are served by outside providers
- Policy 4: Provide sufficient water to meet system designed fire flows while maintaining required system pressure.
- Policy 5: Comply with all potable water standards and reporting requirements which pertain to health and safety
- Policy 6: Potable water service providers should notify customers of supply interruptions, ~~when possible~~ as soon as possible and as clearly as possible.
- Policy 7: Minimize the interruption of potable water service to customers and wasted~~lost~~ water by responding quickly to breaks in water mains.
- Policy 8: Follow industry standards in disinfecting water mains in order to maintain optimum chlorine residual levels.
- Policy 9: The City of Pompano Beach shall review all proposed land use plan map amendments within City limits for adequacy of water supplies and identify any adverse impacts on the water supply system.

Policy 10: The City hereby incorporates by reference the City of Pompano Beach Water Supply Facility Work Plan, March 24, 2015, as well as the Broward County Water Supply Facilities Work Plan, November 24, 2014.

Objective 2: Level of Services

The City of Pompano Beach shall maintain the level of service standards at 191 or lower gallons per capita per day.

Policy 1: Capital improvement projects undertaken to maintain the established levels of service will be implemented in accordance with the schedule provided in the Capital Improvement Element of the Comprehensive Plan.

Policy 2: The projected levels of service shall be the minimum levels of service maintained during the ~~ten (10) five (5)~~ year review period of the Consumptive Use Permit and ten (10) year Water Supply Plan planning periods.

Policy 3: The City shall annually evaluate the level of services standards in order to ascertain continued applicability.

Policy 4: The design capacities and current (2007) demands for the Pompano Beach Water Facility and the Broward County Water Facilities 1A and 2A are as follows

Pompano Beach Water	
Lime Softening Plant	40.00 million gallons per day in Design Capacity
Membrane Plant	10.00 million gallons per day in Design Capacity
Total	50.00 million gallons per day in Design Capacity <u>12.42</u> 16.23 million gallons per day in Current Demand
Broward County	
2A Plant	30.00 million gallons per day in Design Capacity <u>12.32</u> 13.33 million gallons per day in Current Demand
Broward County	
1A Plant	10.67 million gallons per day in Design Capacity <u>7.148</u> 8.00 million gallons per day in Current Demand

Note: All demand figures are for 2013~~07~~

Policy 5: Evaluate the need to update the Water Master Plan every five years.

Water Supply Plan: Goals, objectives, policies

~~Adopted November 25, 2008, Ordinance 2009-11~~

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Policy 6: Review the decennial U.S. Census data and adjust accordingly population projections.

Policy 7: The City of Pompano Beach will consult with the water supplier, prior to issuing the building permit or its functional equivalent, to determine whether adequate water supplies to serve the new development will be available no later than the anticipated date of issuance of a certificate of occupancy or its functional equivalent by the City.

Objective 3: Coordination with other entities

The City shall through the use of Interlocal Agreements provide potable water service to customers outside the City limits, cooperate with Broward County Utilities which serves customers inside the City limits and maintain interconnections to the potable water systems.

Policy 1: Continue to provide safe and reliable potable water services to the City of Lighthouse Point service area according to Interlocal Agreement

Policy 2: Negotiate an Interlocal Agreement or memorandum of understanding with the Town of Lauderdale by the Sea for the continued provision of safe and reliable potable water services.

Policy 3: Maintain agreements for the delivery of safe and reliable potable water to City of Pompano Beach residents which are served by outside providers.

Policy 4: Monitor development near the Town of Hillsboro Beach wellfield, which is located within the City of Pompano Beach city limits, to assist them in protecting their water supply.

Policy 5: Maintain agreements or memoranda of understanding which provide for various interconnections with other potable water entities which operate their own potable water systems

Policy 6: Share information concerning ongoing water supply needs, especially through the 10 year Water Supply Plan process, with City of Lighthouse Point, Town of Lauderdale by the Sea, and Broward County.

Policy 7: Coordinate with City of Lighthouse Point, Town of Lauderdale by the Sea, and Broward County in the implementation of alternative water supply projects (primarily water reuse), establishment of level of service standards and resource allocations.

Objective 4: Capital Improvements

The City shall review and revise priorities for the replacement of facilities, correction of existing water supply and facility deficiencies and provisions for future water supply and facility needs, as developed in the Water Master Plan for inclusion in the City's 5 year Capital Improvement Plan and the Capital Improvement Element, taking into account recent technology advances and regulatory requirements.

- Policy 1: The construction of capital improvements will be prioritized based upon periodic review of the master plans, accounting for changes recent technology advances and regulatory requirements,
- Policy 2: Where Potable water service is required concurrent with private development, it shall be the responsibility of the developer to provide these systems (except in unique State or Federal grant situation).
- Policy 3: Whenever possible, the City shall attempt to supplement potable water improvements with funding from additional revenue sources including the issuance of City revenue bonds.
- Policy 4: Prepare Master Plans for system improvements and submit recommended improvements for the first five years in the City of Pompano Beach Capital Improvement Plan. Water system improvements shall include improvements to Water Treatment Plant, Water Reuse Plant, reuse distribution system, potable water distribution system or wellfields
- Policy 5: Utility Department will evaluate the need to update Master Plan every 5 years.
- Policy 6: Upgrade water mains and lines as suggested in the Water Master Plan at strategic locations to meet current and future demand as well as maximize water quality and maintain fire flows.
- Policy 7: To minimize the interruption of potable water service to customers due to breaks in water mains, the City's Capital Improvement Plan will follow recommendations in the Water Master Plan which addresses water line replacement at an economically feasible rate.
- Policy 8: To minimize rate increases for customers, the City's Capital Improvement Plan will follow the recommendations of the Water Master Plan, Water Supply Plan and staff considerations which address the replacement of capital equipment near the end of the equipment life expectancy.

Policy 9: Rates for potable water usage shall include adequate funding for capital improvements.

Objective 5: Water Reuse

The existing water reuse facility will reduce consumption of potable water supplies for non potable water purposes, thereby conserving limited supplies of potable water.

Policy 1: Water reuse practices in the aquifer recharge areas will assist in the replenishment of the aquifer and halt the westward flow of the saltwater intrusion line.

Policy 2: Continue to provide reuse water at a rate lower than potable water rate.

Policy 3: Continue to construct distribution lines for the Water Reuse plant, which will enable residents, businesses and city properties to utilize reuse water for outside irrigation functions at the minimum rate of \$300,000 per year-.

Policy 4: Evaluate the need to update Water Reuse Master Plan every five years.

Policy 5: Seek available grants (federal, state and local) for the expansion of the reuse water distribution system

Policy 6: Encourage hook-ups to water reuse distribution system, especially large users, to decrease potable water usage for irrigation.

Policy 7: Install reuse distribution lines at a rate to meet Lower East Coast Water Supply Plan requirements for 203025.

Policy 8: Upgrade Water Reuse Facility to include advanced treatment in order to meet future water quality regulatory requirements for projects such as wellfield recharge, ~~as specified in the Lower East Coast Plan.~~

Objective 6: Other Alternative Water Supply Sources

The City shall pursue alternative sources of raw water supply/treatment such as utilization of the Floridian Aquifer through reverse osmosis and to supplement the existing water reuse system.

Policy 1: The City shall pursue alternative water supply sources as recommended in the Water Master Plan based on need.

- Policy 2: Develop Alternative Water Supplies, such as Reuse or Floridan aquifer wells, to satisfy projected water demands, which cannot be met through increased allocations in the Consumptive Use Permit.
- Policy 3: Develop partnerships with other utilities, in order to minimize cost increases, investigating other alternative water supplies such as the use of the reuse water, stormwater reservoirs and stormwater recharge.
- Policy 4: Continue exploring the water storage capabilities of the C-51 storage facility

Objective 7: Conservation

Conserve potable water resources through a proactive water conservation program

- Policy 1: Maintain existing water surcharge fee which is levied during times of water shortages.
- Policy 2: Current and future raw water withdrawals shall comply with the requirements of the SFWMD consumptive use permit
- Policy 3: For all new building permits, water conserving fixtures shall be required.
- Policy 4: Encourage the planting of "Florida Friendly" plants and support "Florida-Friendly Best Management Practices for Protection of Water Resources by Green Industries, 2008". ~~xeriscape practices in new landscape installations~~
- Policy 5: Continue the public education program to encourage water conservation
- Policy 6: Maintain leak prevention and detection program such that unaccounted water loss is maintained at less than 10%.
- Policy 7: Continue to implement a formal water conservation program as required by the Consumptive Use Permit.
- Policy 8: Revise Code of Ordinances to include updated conservation program
- Policy 9: Participate in Broward County's water conservation programs, such as "Mobile irrigation", "Water Matters" and "Know the Flow".
- Policy 10: Adopt and enforce a year-round irrigation program as referenced in the City of Pompano Beach 10 year Water Supply Plan

Objective 8: Aquifer Resource and Protection

Water Supply Plan: Goals, objectives, policies

~~Adopted November 25, 2008, Ordinance 2009-11~~

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Amendments\Draft Potable Water Sub-element Amendment for Water Supply Plan Update.doc

The city shall operate the potable water system and water reuse system in a manner that treats the Biscayne Aquifer as a renewable resource and protects it from depletion.

- Policy 1: The City shall adhere to the restrictions of the Wellfield Protection Ordinance.
- Policy 2: The City shall adhere to the restrictions of the Consumptive Use Permit.
- Policy 3: Protect the integrity of the two wellfields by designating wellfield sites with a suitable land use designation which restricts inappropriate development.
- Policy 4: Protect the integrity of the two wellfields by City ownership of the wellfield sites or restrictive easements on the wellfield sites and water lines from the wells.
- Policy 5: Continue to monitor saltwater intrusion near eastern wells so that wells remain usable and that timely action to save the wells can be taken
- Policy 6: Prevent saltwater intrusion into eastern wellfield site by adding reuse water to prevent western movement of the saltwater intrusion line wellfield.
- Policy 7: Follow recommended practices and make improvements to the wells in the eastern and western wellfields as recommended in the Water Master Plan as necessary to maintain capacity and water quality.
- Policy 8: Review all land use plan map amendments, rezonings and site plan applications to insure that there is sufficient potable water resources available and that they pose no ~~noxiou~~harmful impacts to the Biscayne Aquifer.

Objective 9: Maintenance Procedures

Follow recommended maintenance industry standards and construct required improvements to assure proper operating capabilities as recommended in the Water Master Plan

- Policy 1: Maintain Water Treatment Plant Facility and Equipment such that Facility meets all regulatory requirements and that said equipment and facility are maintained and improved as needed.
- Policy 2: A proper preventative maintenance program effectively requires 80-90% of maintenance time, while emergency maintenance occupies only 10-20% of all maintenance hours (AWWA Manual 5).

- Policy 3: Plant chemicals are handled such that all safety requirements are met in order to prevent accidents resulting in injury, loss of life, disruption of service or costs due to environmental remediation or liability.
- Policy 4: Preventative maintenance program for wells meets sanitary survey requirements.
- Policy 5: Maintain a leak prevention and detection program such that unaccounted water loss is maintained at less than 10%.
- Policy 6: Maintain an active Emergency Response Plan to prevent loss of human life, damage to property and to provide for continuation of service in the event of natural or man-made disaster.
- Policy 7: Maintain current interconnects with other Utilities to provide water in an emergency, and upgrade interconnects to meet backflow prevention requirements.
- Policy 8: Maintain mutual aid agreements with organizations such as FLAWARN in order to mitigate disasters.
- Policy 9: The water treatment facility and water reuse facility and distribution system shall maintain 100% compliance with all regulations.

Objective 10: Regulatory Matters

Comply with all water quality, operations and reporting regulations.

- Policy 1: Average of plant inspections result in 90% rating or better.
- Policy 2: Protect wells such that water quality meets all regulatory requirements.
- Policy 3: Maintain an effective distribution system per American Water Works Association (AWWA) standards such that water quality within the distribution system meets regulatory requirements and water delivery meets demand.
- Policy 4: Meet regulatory requirements as well as AWWA standards for flushing, backflow prevention, valve exercising and cross connection control.
- Policy 5: The City's Building Inspections Division~~Department~~ will perform residential reuse inspections and the City's Utilities Department will perform annual signage inspections as required by the Florida Department of Environmental Protection permit, the Broward County permit, and the City's Reuse Manual

Water Supply Plan: Goals, objectives, policies

~~Adopted November 25, 2008, Ordinance 2009-11~~

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Amendments\Draft Potable Water Sub-element Amendment for Water Supply Plan Update.doc

Intergovernmental Coordination

New Policy:

To ensure coordination of the Comprehensive Plan with the Lower East Coast Water Supply Plan Update, approved by the South Florida Water Management District on ~~February 15, 2007~~, September 12, 2013 and prepare updates to Water Supply Plan within 18 months of any future updates to the LEC as approved by the South Florida Water Management District.

Land Use

New Policy:

Require that all future land use map amendments ensure the availability of potable water supplies and water supply facilities, and reuse where available.

Conservation

New Policy:

Protect and conserve the water resources of the Biscayne Aquifer by reducing per capita demand for potable water and developing alternative water supplies, primarily reuse water.

Goal 2: Incorporate the best available data and science, into its policy and planning decisions for infrastructure, (recognizing the uncertainty associated with long range climate change predictions).

Objective 1: Southeast Florida Regional Climate Change Compact Ratification

Policy 1: The City shall adopt the southeast Florida Regional Climate Change Compact Agreed Modified Guidance developed by the U.S. Army Corps as a starting point for climate change action.

Objective 2: Ensure Resiliency

The City shall ensure resiliency of existing and future water resources, water and wastewater infrastructure to the predicted impacts of climate impacts for the protection of water quality, flood damage and water shortages.

Water Supply Plan: Goals, objectives, policies

~~Adopted November 25, 2008, Ordinance 2009-11~~

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Policy 1: Identify public water infrastructure at risk from sea level rise and other climate change related impacts and provide periodic updated assessments no later than every five years.

Policy 2: Provide for increase assessments needed for projected water and wastewater management as changing land use patterns occur under the potential impacts of climate change.

Policy 3: Protect existing well fields, surface storage facilities, control structures, water and wastewater treatment plants and transmission infrastructure from increased coastal flooding, sea level rise, saltwater intrusion, and other potential future climate change impacts, and plan for infrastructure replacement and relocation as needed.

Policy 4: Continue to enforce mandatory reuse zones for commercial and multifamily property irrigation when reuse water is available.

Policy 5: Continue to support a comprehensive saltwater intrusion monitoring program, together with the South Florida Water Management District and the United States Geological Survey that provides measurable movement of the saltwater intrusion line.

Policy 6: Improve resilience to coastal and inland flooding, salt water intrusion, and other related impacts of climate change and sea level rise through the Comprehensive Plan Amendments and related Elements, the Ten Year Water Supply Facility Work Plan, and the Water and Reuse Master Plans.

Objective 3: Intergovernmental Coordination

The City shall create and maintain effective intergovernmental coordination and ongoing communication that supports sustainable water supplies and resource protection while maintaining climate change preparedness.

Policy 1: Collaborate with local, regional, state and federal partner agencies on developing the scientific, technical knowledge and integrated modeling efforts and continuous data collection needed to understand the potential impacts of climate change on the region's water resources.

LAND USE ELEMENT

GOALS, OBJECTIVES AND POLICIES

Goal

- 01.00.00 The attainment of a living environment which provides the maximum physical, economic and social wellbeing for the City and its residents through the thoughtful and planned use and control of the natural and man-made environments that discourages urban sprawl, is energy efficient and reduces greenhouse gas emissions.

Objective Levels of Service

- 01.01.00 Annually review and periodically update Level of Service requirements availability of facilities and services.

Policies

- 01.01.01 Adopt and maintain community services based on the Level of Service Standards contained in the various Elements of the City's Comprehensive Plan.
- 01.01.02 Review all proposals for development or redevelopment and base the approval of same on the continued maintenance of all adopted Level of Service Standards.
- 01.01.03 Phase development concurrent with the availability or phasing of infrastructure, potable water, traffic and drainage capacity.
- 01.01.04 Maintain public and private recreation and open space facilities at a level of five (5) acres for each 1,000 residents.
- 01.01.05 Review proposals for new development to identify the cumulative impacts of the proposed development on public services and facilities.

- 01.01.06 All site plan applications shall provide pedestrian facilities, such as but not limited to sidewalks and street trees (where not in conflict with underground utilities and permitted by City Engineer)
- 01.01.07 All site plan applications shall identify existing facilities and provide, where deficient, transit improvements, such as but not limited to bus shelters, benches, hardened surface for loading and unloading, garbage cans, bicycle racks and appropriate pedestrian connections along bus route, subject to coordination with Broward County Mass Transit.
- 01.01.08 Those facilities which are subject to concurrency requirements include: traffic circulation/transit, parks and recreation, drainage and flood protection, potable water, solid waste, sanitary sewer facilities and public schools.
- 01.01.09 To ensure the adequate provision of public services and facilities, the City shall take into consideration the tourist population and the seasonal demands placed upon the City's infrastructure.
- 01.01.10 The City shall utilize the highway capacity methodology endorsed by the Broward County Metropolitan Planning Organization and approved by the Broward County Board of County Commissioners to determine the capacities and levels of service on the regional roadway network.
- 01.01.11 Require that all future land use map amendments ensure the availability of potable water supplies and water supply facilities, and reuse where available.

Objective Natural Resources & Historic Preservation

01.06.00 Protect natural resources and historic properties in all land use considerations.

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~~01.06.05 Create a new Conservation Land Use Plan map designation by 2010.~~

- | 01.06.056 Require permits for new development/redevelopment to protect native vegetation and require the removal of exotic vegetation species.

- | 01.06.067 Enforce the procedures for compliance with the County Wellfield Protection Ordinance in areas of the City that fall within Zone 3 as depicted on the natural resource map series, at all levels of development, including Land Use Plan Amendments and Site Plans.

- | 01.06.078 Review all proposals for development with consideration to the Natural Resource Map Series and discourage activities which would have a detrimental impact on significant natural resource areas which may or may not be designated by Broward County as Local Areas of Particular Concern.

- | 01.06.089 Require all development on the barrier island lying partially on or seaward of the Coastal Construction Control line to comply with the provisions as set forth in Chapter 161 Florida Statutes.

- | 01.06.099 Protect the integrity of the two wellfields by designating wellfield sites with a suitable land use designation which restricts inappropriate development.

- | 01.06.104 Protect the integrity of the two wellfields by City ownership of the wellfield sites or restrictive easements on the wellfield sites and water lines from the wells.

- | 01.06.112 Review all land use plan map amendments, rezonings and site plan applications to insure that there is sufficient potable water resources available and that they pose no noxious impacts to the Biscayne Aquifer.

CONSERVATION ELEMENT

GOALS, OBJECTIVES AND POLICIES

Goal

09.00.00 To protect, enhance and effectively manage the natural resources of the City in order to achieve a high environmental quality including factors that affect energy conservation.

Objective

09.03.00 The quality and quantity of the City's groundwater resources shall be maintained and, where possible, enhanced.

Policies

09.03.01 The City shall make certain that all development within a production "wellfield cone of influence" complies with the County Wellfield Ordinance.

09.03.02 The western wellfield production quantity and quality shall be monitored particularly because of the increasing reliance on that wellfield.

09.03.03 City policies shall promote water conservation and, wherever possible, the re-use of water where the quality requirements permit.

09.03.04 The City shall keep current the emergency water conservation plan.

09.03.05 The City shall make certain that all unused wells are capped (per County and SFWMD regulations) to avoid pollution.

09.03.06 The City shall explore the possibility of ~~providing~~ servicing alternative sources of water.

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09.03.911 Protect and conserve the water resources of the Biscayne Aquifer by reducing per capita demand for potable water and developing alternative water supplies, primarily reuse water.



City Attorney's Communication #2015-133

October 28, 2014

TO: Maggie Barszewski, AICP, Planner

FROM: Gordon B. Linn, City Attorney

RE: Ordinance to Amend the Text of Three Comprehensive Plan Elements to Address State Requirements to Incorporate Compatibility with the Updated Water Facility Work Plan

As requested in your memorandum to me of October 24, 2014, Development Services Memorandum No. 14-483, I have reviewed the Ordinance adopting a Comprehensive Plan Text Amendment that was attached to your memorandum and find same to be acceptable as to legal form and content.

Should you have any further questions regarding this matter, please feel free to contact me.



GORDON B. LINN

GBL/jrm
l:cor/zoning/2015-133

CITY OF POMPANO BEACH
Broward County, Florida

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA ADOPTING A COMPREHENSIVE PLAN, TEXT AMENDMENT TO AMEND THE POTABLE WATER SUB-ELEMENT, THE FUTURE LAND USE ELEMENT, AND THE CONSERVATION ELEMENT; PROVIDING FOR A DETERMINATION THAT A LOCAL PLANNING AGENCY HEARING WAS HELD ON OCTOBER 22, 2014; PROVIDING THAT A TRANSMITTAL AND ADOPTION PUBLIC HEARING WILL BE HELD; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, pursuant to Section 163.3184 F.S., the Planning and Zoning Board/Local Planning Agency held a duly noticed public hearing on October 22, 2014 on the proposed amendment to the Future Land Use Element of the adopted City of Pompano Beach Comprehensive Plan, and subsequently recommended approval to the City Commission; and

WHEREAS, said amendment proposes to change the text of the Potable Water Sub-Element, the Future Land Use Element, and the Conservation Element of the Comprehensive Plan to address the Chapter 163, FS requirement to adopt the updated the Water Supply Facility Work Plan into the Comprehensive Plan by amending the affected Elements as shown in Exhibit A.

WHEREAS, pursuant to Ch. 163.3184(3), Florida Statutes the City Commission held at least one duly noticed public hearing on the proposed amendment to the Future Land Use Element of the adopted City of Pompano Beach Comprehensive Plan; and

WHEREAS, at the public hearings, the parties having an interest and all other citizens so desiring had an opportunity to be and were in fact heard; and

WHEREAS, all staff reports, minutes of meetings, findings of fact and support documents are hereby incorporated by reference; and

WHEREAS, the City Commission has considered the application in its entirety, staff reports, minutes of meetings, findings of fact and support documents and determines the request is in the best interests of the City; now, therefore,

BE IT ENACTED BY THE CITY OF POMPANO BEACH, FLORIDA:

SECTION 1: That the foregoing application recitals, findings of fact, minutes of meetings and all staff reports and documents are true and correct, and are hereby incorporated by reference and transmitted.

SECTION 2: That duly noticed public hearing was held on October 22, 2014 by the Local Planning Agency in compliance with Section 163, Florida Statutes, to consider the referenced Future Land Use Element Text Amendment.

SECTION 3: That the City Commission hereby approves and adopts the proposed amendment to change the text of the Future Land Use Element of the Comprehensive Plan by amending the affected Elements as shown in Exhibit A.

SECTION 4: That the City Clerk is directed to transmit a certified copy of this Ordinance to the Department of Community Affairs and required State Agencies for review under the Alternative Review process allowed by Ch. 163.

SECTION 5: The City Clerk is directed to transmit a certified copy of this Ordinance to the Broward County Planning Council with the City's amended Future Land Use Element for the Planning Council to recertify the City Future Land Use Element.

SECTION 6: That in the event any provision or application of this Ordinance shall be held invalid, it is the legislative intent that the other provisions and applications thereof shall not be thereby affected;

SECTION 7: That all Ordinances or parts of Ordinances in conflict herewith are to the extent of said conflict, hereby repealed.

SECTION 8: That this Ordinance shall take effect immediately upon its passage and adoption, but the amendments shall not become effective until the Broward County Planning Council recertifies the City Comprehensive Plan as consistent with the County Land Use Plan.

PASSED FIRST READING THIS 27th DAY OF JANUARY, 2015.

PASSED SECOND READING THIS _____ DAY OF _____, 2015.

LAMAR FISHER, MAYOR

ATTEST:

ASCELETA HAMMOND
CITY CLERK

Exhibit A

1 of 16

**Proposed Amendments
To the Pompano Beach Comprehensive Plan
Potable Water Sub-Element
Future Land Use Element & the
Conservation Element**

Proposed text amendments to the Pompano Beach Comprehensive Plan's Potable Water Sub-Element, Future Land Use Element and the Conservation Element to comply with Section 163.3177, Florida Statutes, and to reflect the updates identified in the 2014 Water Supply Facilities Plan.

Note: underlined words are proposed additions, strikethroughs are proposed deletions.

Exhibit A

1 of 16

Proposed Amendments To the Pompano Beach Comprehensive Plan Potable Water Sub-Element Future Land Use Element & the Conservation Element

Proposed text amendments to the Pompano Beach Comprehensive Plan's Potable Water Sub-Element, Future Land Use Element and the Conservation Element to comply with Section 163.3177, Florida Statutes, and to reflect the updates identified in the 2014 Water Supply Facilities Plan.

Note: underlined words are proposed additions, strikethroughs are proposed deletions.

**POTABLE WATER SUB-ELEMENT
GOALS, OBJECTIVES AND POLICIES**

Goal 1: Provide safe, reliable, cost effective potable water to all residents and business within the City’s water utility service areas and make capital improvements necessary to maintain or improve potable water services.

Objective 1: Health & Safety

The City shall ensure the provision of a safe and sanitary supply of potable water to customers in its service area through good operating practices.

Policy 1: Deliver safe and reliable potable water to residents and businesses in the City of Pompano Beach service area.

Policy 2: Maintain a conservation rate structure for potable water which provides a minimum level of usage at a cost effective rate

Policy 3: Maintain agreements for the delivery of safe and reliable potable water to City of Pompano Beach residents and businesses which are served by outside providers

Policy 4: Provide sufficient water to meet system designed fire flows while maintaining required system pressure.

Policy 5: Comply with all potable water standards and reporting requirements which pertain to health and safety

Policy 6: Potable water service providers should notify customers of supply interruptions, ~~when possible~~ as soon as possible and as clearly as possible.

Policy 7: Minimize the interruption of potable water service to customers and ~~wasted~~ lost water by responding quickly to breaks in water mains.

Policy 8: Follow industry standards in disinfecting water mains in order to maintain optimum chlorine residual levels.

Policy 9: The City of Pompano Beach shall review all proposed land use plan map amendments within City limits for adequacy of water supplies and identify any adverse impacts on the water supply system.

Policy 10: The City hereby incorporates by reference the City of Pompano Beach Water Supply Facility Work Plan, March 24, 2015, as well as the Broward County Water Supply Facilities Work Plan, November 24, 2014.

Objective 2: Level of Services

The City of Pompano Beach shall maintain the level of service standards at 191 or lower gallons per capita per day.

Policy 1: Capital improvement projects undertaken to maintain the established levels of service will be implemented in accordance with the schedule provided in the Capital Improvement Element of the Comprehensive Plan.

Policy 2: The projected levels of service shall be the minimum levels of service maintained during the ten (10)~~five (5)~~ year review period of the Consumptive Use Permit and ten (10) year Water Supply Plan planning periods.

Policy 3: The City shall annually evaluate the level of services standards in order to ascertain continued applicability.

Policy 4: The design capacities and current (2007) demands for the Pompano Beach Water Facility and the Broward County Water Facilities 1A and 2A are as follows

Pompano Beach Water	
Lime Softening Plant	40.00 million gallons per day in Design Capacity
Membrane Plant	10.00 million gallons per day in Design Capacity
Total	50.00 million gallons per day in Design Capacity <u>12.42</u> 16.23 million gallons per day in Current Demand
Broward County	
2A Plant	30.00 million gallons per day in Design Capacity <u>12.32</u> 13.33 million gallons per day in Current Demand
Broward County	
1A Plant	10.67 million gallons per day in Design Capacity <u>7.14</u> 8.00 million gallons per day in Current Demand

Note: All demand figures are for 2013~~07~~

Policy 5: Evaluate the need to update the Water Master Plan every five years.

Water Supply Plan: Goals, objectives, policies

~~Adopted November 25, 2008, Ordinance 2009-11~~

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Amendments\Draft Potable Water Sub-element Amendment for Water Supply Plan Update.doc

Policy 6: Review the decennial U.S. Census data and adjust accordingly population projections.

Policy 7: The City of Pompano Beach will consult with the water supplier, prior to issuing the building permit or its functional equivalent, to determine whether adequate water supplies to serve the new development will be available no later than the anticipated date of issuance of a certificate of occupancy or its functional equivalent by the City.

Objective 3: Coordination with other entities

The City shall through the use of Interlocal Agreements provide potable water service to customers outside the City limits, cooperate with Broward County Utilities which serves customers inside the City limits and maintain interconnections to the potable water systems.

Policy 1: Continue to provide safe and reliable potable water services to the City of Lighthouse Point service area according to Interlocal Agreement

Policy 2: Negotiate an Interlocal Agreement or memorandum of understanding with the Town of Lauderdale by the Sea for the continued provision of safe and reliable potable water services.

Policy 3: Maintain agreements for the delivery of safe and reliable potable water to City of Pompano Beach residents which are served by outside providers.

Policy 4: Monitor development near the Town of Hillsboro Beach wellfield, which is located within the City of Pompano Beach city limits, to assist them in protecting their water supply.

Policy 5: Maintain agreements or memoranda of understanding which provide for various interconnections with other potable water entities which operate their own potable water systems

Policy 6: Share information concerning ongoing water supply needs, especially through the 10 year Water Supply Plan process, with City of Lighthouse Point, Town of Lauderdale by the Sea, and Broward County.

Policy 7: Coordinate with City of Lighthouse Point, Town of Lauderdale by the Sea, and Broward County in the implementation of alternative water supply projects (primarily water reuse), establishment of level of service standards and resource allocations.

Objective 4: Capital Improvements

The City shall review and revise priorities for the replacement of facilities, correction of existing water supply and facility deficiencies and provisions for future water supply and facility needs, as developed in the Water Master Plan for inclusion in the City's 5 year Capital Improvement Plan and the Capital Improvement Element, taking into account recent technology advances and regulatory requirements.

- Policy 1: The construction of capital improvements will be prioritized based upon periodic review of the master plans, accounting for changes recent technology advances and regulatory requirements,
- Policy 2: Where Potable water service is required concurrent with private development, it shall be the responsibility of the developer to provide these systems (except in unique State or Federal grant situation).
- Policy 3: Whenever possible, the City shall attempt to supplement potable water improvements with funding from additional revenue sources including the issuance of City revenue bonds.
- Policy 4: Prepare Master Plans for system improvements and submit recommended improvements for the first five years in the City of Pompano Beach Capital Improvement Plan. Water system improvements shall include improvements to Water Treatment Plant, Water Reuse Plant, reuse distribution system, potable water distribution system or wellfields
- Policy 5: Utility Department will evaluate the need to update Master Plan every 5 years.
- Policy 6: Upgrade water mains and lines as suggested in the Water Master Plan at strategic locations to meet current and future demand as well as maximize water quality and maintain fire flows.
- Policy 7: To minimize the interruption of potable water service to customers due to breaks in water mains, the City's Capital Improvement Plan will follow recommendations in the Water Master Plan which addresses water line replacement at an economically feasible rate.
- Policy 8: To minimize rate increases for customers, the City's Capital Improvement Plan will follow the recommendations of the Water Master Plan, Water Supply Plan and staff considerations which address the replacement of capital equipment near the end of the equipment life expectancy.

Policy 9: Rates for potable water usage shall include adequate funding for capital improvements.

Objective 5: Water Reuse

The existing water reuse facility will reduce consumption of potable water supplies for non potable water purposes, thereby conserving limited supplies of potable water.

Policy 1: Water reuse practices in the aquifer recharge areas will assist in the replenishment of the aquifer and halt the westward flow of the saltwater intrusion line.

Policy 2: Continue to provide reuse water at a rate lower than potable water rate.

Policy 3: Continue to construct distribution lines for the Water Reuse plant, which will enable residents, businesses and city properties to utilize reuse water for outside irrigation functions at the minimum rate of \$300,000 per year.

Policy 4: Evaluate the need to update Water Reuse Master Plan every five years.

Policy 5: Seek available grants (federal, state and local) for the expansion of the reuse water distribution system

Policy 6: Encourage hook-ups to water reuse distribution system, especially large users, to decrease potable water usage for irrigation.

Policy 7: Install reuse distribution lines at a rate to meet Lower East Coast Water Supply Plan requirements for 2030~~25~~.

Policy 8: Upgrade Water Reuse Facility to include advanced treatment in order to meet future water quality regulatory requirements for projects such as wellfield recharge, as specified in the Lower East Coast Plan.

Objective 6: Other Alternative Water Supply Sources

The City shall pursue alternative sources of raw water supply/treatment such as utilization of the Floridian Aquifer through reverse osmosis and to supplement the existing water reuse system.

Policy 1: The City shall pursue alternative water supply sources as recommended in the Water Master Plan based on need.

- Policy 2: Develop Alternative Water Supplies, such as Reuse or Floridan aquifer wells, to satisfy projected water demands, which cannot be met through increased allocations in the Consumptive Use Permit.
- Policy 3: Develop partnerships with other utilities, in order to minimize cost increases, investigating other alternative water supplies such as the use of the reuse water, stormwater reservoirs and stormwater recharge.
- Policy 4: Continue exploring the water storage capabilities of the C-51 storage facility

Objective 7: Conservation

Conserve potable water resources through a proactive water conservation program

- Policy 1: Maintain existing water surcharge fee which is levied during times of water shortages.
- Policy 2: Current and future raw water withdrawals shall comply with the requirements of the SFWMD consumptive use permit
- Policy 3: For all new building permits, water conserving fixtures shall be required.
- Policy 4: Encourage the planting of "Florida Friendly" plants and support "Florida-Friendly Best Management Practices for Protection of Water Resources by Green Industries, 2008". ~~xeriscape practices in new landscape installations~~
- Policy 5: Continue the public education program to encourage water conservation
- Policy 6: Maintain leak prevention and detection program such that unaccounted water loss is maintained at less than 10%.
- Policy 7: Continue to implement a formal water conservation program as required by the Consumptive Use Permit.
- Policy 8: Revise Code of Ordinances to include updated conservation program
- Policy 9: Participate in Broward County's water conservation programs, such as "Mobile irrigation", "Water Matters" and "Know the Flow".
- Policy 10: Adopt and enforce a year-round irrigation program as referenced in the City of Pompano Beach 10 year Water Supply Plan

Objective 8: Aquifer Resource and Protection

Water Supply Plan: Goals, objectives, policies

~~Adopted November 25, 2008, Ordinance 2009-11~~

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The city shall operate the potable water system and water reuse system in a manner that treats the Biscayne Aquifer as a renewable resource and protects it from depletion.

- Policy 1: The City shall adhere to the restrictions of the Wellfield Protection Ordinance.
- Policy 2: The City shall adhere to the restrictions of the Consumptive Use Permit.
- Policy 3: Protect the integrity of the two wellfields by designating wellfield sites with a suitable land use designation which restricts inappropriate development.
- Policy 4: Protect the integrity of the two wellfields by City ownership of the wellfield sites or restrictive easements on the wellfield sites and water lines from the wells.
- Policy 5: Continue to monitor saltwater intrusion near eastern wells so that wells remain usable and that timely action to save the wells can be taken
- Policy 6: Prevent saltwater intrusion into eastern wellfield site by adding reuse water to prevent western movement of the saltwater intrusion line wellfield.
- Policy 7: Follow recommended practices and make improvements to the wells in the eastern and western wellfields as recommended in the Water Master Plan as necessary to maintain capacity and water quality.
- Policy 8: Review all land use plan map amendments, rezonings and site plan applications to insure that there is sufficient potable water resources available and that they pose no ~~noxious~~harmful impacts to the Biscayne Aquifer.

Objective 9: Maintenance Procedures

Follow recommended maintenance industry standards and construct required improvements to assure proper operating capabilities as recommended in the Water Master Plan

- Policy 1: Maintain Water Treatment Plant Facility and Equipment such that Facility meets all regulatory requirements and that said equipment and facility are maintained and improved as needed.
- Policy 2: A proper preventative maintenance program effectively requires 80-90% of maintenance time, while emergency maintenance occupies only 10-20% of all maintenance hours (AWWA Manual 5).

Water Supply Plan: Goals, objectives, policies

~~Adopted November 25, 2008, Ordinance 2009-11~~

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- Policy 3: Plant chemicals are handled such that all safety requirements are met in order to prevent accidents resulting in injury, loss of life, disruption of service or costs due to environmental remediation or liability.
- Policy 4: Preventative maintenance program for wells meets sanitary survey requirements.
- Policy 5: Maintain a leak prevention and detection program such that unaccounted water loss is maintained at less than 10%.
- Policy 6: Maintain an active Emergency Response Plan to prevent loss of human life, damage to property and to provide for continuation of service in the event of natural or man-made disaster.
- Policy 7: Maintain current interconnects with other Utilities to provide water in an emergency, and upgrade interconnects to meet backflow prevention requirements.
- Policy 8: Maintain mutual aid agreements with organizations such as FLAWARN in order to mitigate disasters.
- Policy 9: The water treatment facility and water reuse facility and distribution system shall maintain 100% compliance with all regulations.

Objective 10: Regulatory Matters

Comply with all water quality, operations and reporting regulations.

- Policy 1: Average of plant inspections result in 90% rating or better.
- Policy 2: Protect wells such that water quality meets all regulatory requirements.
- Policy 3: Maintain an effective distribution system per American Water Works Association (AWWA) standards such that water quality within the distribution system meets regulatory requirements and water delivery meets demand.
- Policy 4: Meet regulatory requirements as well as AWWA standards for flushing, backflow prevention, valve exercising and cross connection control.
- Policy 5: The City's Building Inspections Division~~Department~~ will perform residential reuse inspections and the City's Utilities Department will perform annual signage inspections as required by the Florida Department of Environmental Protection permit, the Broward County permit, and the City's Reuse Manual

Water Supply Plan: Goals, objectives, policies

~~Adopted November 25, 2008, Ordinance 2009-11~~

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Intergovernmental Coordination

New Policy:

To ensure coordination of the Comprehensive Plan with the Lower East Coast Water Supply Plan Update, approved by the South Florida Water Management District on ~~February 15, 2007~~, September 12, 2013 and prepare updates to Water Supply Plan within 18 months of any future updates to the LEC as approved by the South Florida Water Management District.

Land Use

New Policy:

Require that all future land use map amendments ensure the availability of potable water supplies and water supply facilities, and reuse where available.

Conservation

New Policy:

Protect and conserve the water resources of the Biscayne Aquifer by reducing per capita demand for potable water and developing alternative water supplies, primarily reuse water.

Goal 2: Incorporate the best available data and science, into its policy and planning decisions for infrastructure, (recognizing the uncertainty associated with long range climate change predictions).

Objective 1: Southeast Florida Regional Climate Change Compact Ratification

Policy 1: The City shall adopt the southeast Florida Regional Climate Change Compact Agreed Modified Guidance developed by the U.S. Army Corps as a starting point for climate change action.

Objective 2: Ensure Resiliency

The City shall ensure resiliency of existing and future water resources, water and wastewater infrastructure to the predicted impacts of climate impacts for the protection of water quality, flood damage and water shortages.

Policy 1: Identify public water infrastructure at risk from sea level rise and other climate change related impacts and provide periodic updated assessments no later than every five years.

Policy 2: Provide for increase assessments needed for projected water and wastewater management as changing land use patterns occur under the potential impacts of climate change.

Policy 3: Protect existing well fields, surface storage facilities, control structures, water and wastewater treatment plants and transmission infrastructure from increased coastal flooding, sea level rise, saltwater intrusion, and other potential future climate change impacts, and plan for infrastructure replacement and relocation as needed.

Policy 4: Continue to enforce mandatory reuse zones for commercial and multifamily property irrigation when reuse water is available.

Policy 5: Continue to support a comprehensive saltwater intrusion monitoring program, together with the South Florida Water Management District and the United States Geological Survey that provides measurable movement of the saltwater intrusion line.

Policy 6: Improve resilience to coastal and inland flooding, salt water intrusion, and other related impacts of climate change and sea level rise through the Comprehensive Plan Amendments and related Elements, the Ten Year Water Supply Facility Work Plan, and the Water and Reuse Master Plans.

Objective 3: Intergovernmental Coordination

The City shall create and maintain effective intergovernmental coordination and ongoing communication that supports sustainable water supplies and resource protection while maintaining climate change preparedness.

Policy 1: Collaborate with local, regional, state and federal partner agencies on developing the scientific, technical knowledge and integrated modeling efforts and continuous data collection needed to understand the potential impacts of climate change on the region's water resources.

LAND USE ELEMENT

GOALS, OBJECTIVES AND POLICIES

Goal

- 01.00.00 The attainment of a living environment which provides the maximum physical, economic and social wellbeing for the City and its residents through the thoughtful and planned use and control of the natural and man-made environments that discourages urban sprawl, is energy efficient and reduces greenhouse gas emissions.

Objective Levels of Service

- 01.01.00 Annually review and periodically update Level of Service requirements availability of facilities and services.

Policies

- 01.01.01 Adopt and maintain community services based on the Level of Service Standards contained in the various Elements of the City's Comprehensive Plan.
- 01.01.02 Review all proposals for development or redevelopment and base the approval of same on the continued maintenance of all adopted Level of Service Standards.
- 01.01.03 Phase development concurrent with the availability or phasing of infrastructure, potable water, traffic and drainage capacity.
- 01.01.04 Maintain public and private recreation and open space facilities at a level of five (5) acres for each 1,000 residents.
- 01.01.05 Review proposals for new development to identify the cumulative impacts of the proposed development on public services and facilities.

01.01.06 All site plan applications shall provide pedestrian facilities, such as but not limited to sidewalks and street trees (where not in conflict with underground utilities and permitted by City Engineer)

01.01.07 All site plan applications shall identify existing facilities and provide, where deficient, transit improvements, such as but not limited to bus shelters, benches, hardened surface for loading and unloading, garbage cans, bicycle racks and appropriate pedestrian connections along bus route, subject to coordination with Broward County Mass Transit.

01.01.08 Those facilities which are subject to concurrency requirements include: traffic circulation/transit, parks and recreation, drainage and flood protection, potable water, solid waste, sanitary sewer facilities and public schools.

01.01.09 To ensure the adequate provision of public services and facilities, the City shall take into consideration the tourist population and the seasonal demands placed upon the City's infrastructure.

01.01.10 The City shall utilize the highway capacity methodology endorsed by the Broward County Metropolitan Planning Organization and approved by the Broward County Board of County Commissioners to determine the capacities and levels of service on the regional roadway network.

01.01.11 Require that all future land use map amendments ensure the availability of potable water supplies and water supply facilities, and reuse where available.

Objective Natural Resources & Historic Preservation

01.06.00 Protect natural resources and historic properties in all land use considerations.

**

~~01.06.05 Create a new Conservation Land Use Plan map designation by 2010.~~

- 01.06.056 Require permits for new development/redevelopment to protect native vegetation and require the removal of exotic vegetation species.
- 01.06.067 Enforce the procedures for compliance with the County Wellfield Protection Ordinance in areas of the City that fall within Zone 3 as depicted on the natural resource map series, at all levels of development, including Land Use Plan Amendments and Site Plans.
- 01.06.078 Review all proposals for development with consideration to the Natural Resource Map Series and discourage activities which would have a detrimental impact on significant natural resource areas which may or may not be designated by Broward County as Local Areas of Particular Concern.
- 01.06.089 Require all development on the barrier island lying partially on or seaward of the Coastal Construction Control line to comply with the provisions as set forth in Chapter 161 Florida Statutes.
- 01.06.910 Protect the integrity of the two wellfields by designating wellfield sites with a suitable land use designation which restricts inappropriate development.
- 01.06.1011 Protect the integrity of the two wellfields by City ownership of the wellfield sites or restrictive easements on the wellfield sites and water lines from the wells.
- 01.06.1112 Review all land use plan map amendments, rezonings and site plan applications to insure that there is sufficient potable water resources available and that they pose no noxious impacts to the Biscayne Aquifer.

CONSERVATION ELEMENT

GOALS, OBJECTIVES AND POLICIES

Goal

09.00.00 To protect, enhance and effectively manage the natural resources of the City in order to achieve a high environmental quality including factors that affect energy conservation.

Objective

09.03.00 The quality and quantity of the City's groundwater resources shall be maintained and, where possible, enhanced.

Policies

09.03.01 The City shall make certain that all development within a production "wellfield cone of influence" complies with the County Wellfield Ordinance.

09.03.02 The western wellfield production quantity and quality shall be monitored particularly because of the increasing reliance on that wellfield.

09.03.03 City policies shall promote water conservation and, wherever possible, the re-use of water where the quality requirements permit.

09.03.04 The City shall keep current the emergency water conservation plan.

09.03.05 The City shall make certain that all unused wells are capped (per County and SFWMD regulations) to avoid pollution.

09.03.06 The City shall explore the possibility of ~~providing~~^{servicing} alternative sources of water.

09.03.07 The City shall, within its jurisdiction, enforce the graduated detailed and specific water reductions set forth by the South Florida Water Management District during times of water shortage.

~~09.03.08 The City will adopt and enforce stormwater discharge water quality standards as established by Broward County, specifically Article V, Chapter 27 of the Broward County Code of Ordinances, and as specified in the National Pollution Discharge Elimination System (NPDES) permit.~~

~~09.03.09 The City shall implement the permit regulations contained within the National Pollution Discharge Elimination System (NPDES) permit when issued by the EPA and provide adequate funding.~~

09.03.810 The City shall continue its water reuse program to combat saltwater intrusion.

09.03.911 Protect and conserve the water resources of the Biscayne Aquifer by reducing per capita demand for potable water and developing alternative water supplies, primarily reuse water.
