



# 07. POTABLE WATER SUB-ELEMENT

Plan It! Pompano

**Purpose and Direction:** The purpose of the Water Sub-Element is to set the policy direction to enable delivery of potable water services that are efficient, affordable and reliable even during a time of increasing threat to fresh water supplies due to sea level rise and the salt water intrusion that is part of the inevitable impacts of climate change.

The goal of this element is to protect our fresh water supply and maintain water treatment and distribution systems designed and maintained at the highest level to be durable, resilient, and sustainable to serve future generations to the maximum extent feasible and cost effective.

## Goals, Objectives, and Policies

**Goal 7A:** Provide safe, reliable, sustainable, cost effective potable water to all residents and businesses within the City's water utility service areas and make the capital improvements necessary to maintain or improve potable water services.

### Objective 07A.01.00 – Health & Safety

The City shall ensure the provision of a safe and reliable supply of potable water to customers in its service area and the entire City through regulatory compliance and best operating and management practices.

#### Policy 07A.01.01

Deliver safe and reliable potable water to residents and businesses in the City of Pompano Beach and to residential outside of Pompano Beach but within the City's utility service area.

#### Policy 07A.01.02

Maintain a conservation rate structure for potable water that provides a minimum level of usage at a cost effective rate.

#### Policy 07A.01.03

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

#### Policy 07A.01.04

Comply with all potable water standards and reporting requirements.

#### Policy 07A.01.05

Potable water service providers should explicitly notify customers of supply interruptions as soon as possible.

#### Policy 07A.01.06

Minimize the interruption of potable water service to customers and conserve water by responding quickly to breaks in water mains.

#### Policy 07A.01.07

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

#### Policy 07A.01.08

The City of Pompano Beach shall review all proposed land use plan map amendments within the City limits for adequacy of water supplies.

### Objective 07A.02.00 – Level of Service

The City of Pompano Beach shall maintain the level of service (LOS) standard ~~of 161~~ at 141 or less gallons per capita per day (gpcpd); the BCWWS District 1 LOS is 112 gpcpd and the BCWWS District 2 LOS is 96 gpcpd.

#### Policy 07A.02.01

Capital improvement projects undertaken to maintain the established level of service standard shall be included in the Capital Improvement Element of the Comprehensive Plan and implemented through the 5-Year Capital Improvements Plan (CIP) which is updated annually. The 5-year CIP shall reference BCWWS water supply facility improvements being implemented by BCWWS if those improvements impact the City.

#### Policy 07A.02.02

The projected levels of service shall be the minimum levels of service maintained during the ten (10) year review period of the Consumptive Use Permit and ten (10) year Water Supply Facilities Work Plan planning periods during the planning horizon covered by this Comprehensive Plan which is through 2040.

**Policy 07A.02.03**

The City shall evaluate the level of services standards every five years in order to determine continued applicability.

**Policy 07A.02.04**

The design capacities and current (~~2019~~2025) demands for the Pompano Beach Water Facility and the Broward County Water Facilities 1A and 2A are as follows:

Pompano Beach Water Treatment Capacity

Lime Softening Plant:	40.00 million gallons per day in Design Capacity, <u>to be decommissioned.</u>
Membrane Plant:	10.00 million gallons per day <del>demand in 2019</del> <u>,to be expanded to 30.00.</u>

~~Total: 50.00 million gallons per day in Design Capacity~~  
15.4115.07 million gallons per day in ~~2019~~2025 demand

Broward County Water Treatment Capacity

2A Plant	40.00 million gallons per day in Design Capacity 12.9 million gallons per day in 2019 demand 112 gpcpd generation rate 2019)
----------	--

1A Plant	16.0 million gallons per day in Design Capacity 7.45 million gallons per day in 2019 demand 96 pgcpd generation rate (2019)
----------	---

**Policy 07A.02.05**

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

**Policy 07A.02.06**

Review the decennial U.S. Census data and compare to the City’s projected population projections to determine if any adjustments in population expectations are necessary.

**Policy 07A.02.07**

Prior to site plan approval, the anticipated water demand for a project will be determined to ensure that adequate water supply will be available to serve the new development.

**Objective 07A.03.00 – Coordination with Other Entities**

The City shall, through the use of Interlocal Agreements, provide potable water service to customers in Lighthouse Point and Lauderdale by the Sea; will work with Broward County Utilities which serves customers inside the City limits; and will maintain interconnections to these potable water systems.

**Policy 07A.03.01**

Continue to provide safe and reliable potable water services to the City of Lighthouse Point service area in accordance with the adopted Interlocal Agreement.

**Policy 07A.03.02**

Maintain 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 07A.03.03**

Maintain agreements for the delivery of safe and reliable potable water to City of Pompano Beach residents which are served by Broward County Water & Wastewater Services.

**Policy 07A.03.04**

Monitor development near the Town of Hillsboro Beach wellfield (925 NE 36th Street), which is located within the City of Pompano Beach city limits, to assist them in protecting their water supply.

**Policy 07A.03.05**

Maintain agreements or memoranda of understanding which provide for various interconnections with other potable water entities which operate their own potable water systems which include and may not be limited to in the future: Coconut Creek, Deerfield Beach, Fort Lauderdale, North Lauderdale and Broward County.

**Policy 07A.03.06**

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

**Policy 07A.03.07**

Coordinate with the City of Lighthouse Point and Broward County on the implementation of alternative water supply projects (primarily water reuse), establishment of level of service standards and resource allocations.

**Objective 07A.04.00 – Capital Improvements**

Taking into account recent technology advances and regulatory requirements, the City shall review and revise priorities for the replacement of facilities, correction of any 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 Capital Improvements Element.

**Policy 07A.04.01**

The construction of capital improvements will be prioritized based upon periodic review of the Water Supply, Treatment and Reuse Master Plans, accounting for changes in recent technology advances and regulatory requirements.

**Policy 07A.04.02**

Where potable water infrastructure improvements are 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 07A.04.03**

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 07A.04.04**

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 the Water Treatment Plants, the Water Reuse Plant, the reuse distribution system, the potable water distribution system and/or the wellfields

**Policy 07A.04.05**

The Utility Department will update the Water and Reuse Master Plans every 5 years.

**Policy 07A.04.06**

Upgrade water mains and service lines, as suggested in the Water Master Plan, at strategic locations to meet current and future demand as well as maximize water quality, sustainability and maintain fire flows.

**Policy 07A.04.07**

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 07A.04.08**

To minimize rate increases for customers, the City's Capital Improvement Plan will follow the recommendations of the Water Master Plan, 10-Year Water Supply Facilities Work Plan, Asset Management Program and staff considerations which address the replacement of capital equipment near the end of the equipment's life

expectancy.

#### **Policy 07A.04.09**

Rates for potable water usage shall include adequate funding for capital improvements and regulatory requirements.

#### **Policy 07A.04.10**

Where new potable water service is required, it shall be the responsibility of the developer to adhere to the City's maximum allowable water usage factors for the various establishments, which is as it appears in Boward County's Guideline for Determining Ability to Provide Potable Water and Wastewater Service (BCWWS, April 2012) – Section "Potable Water", Subsection "Average Day Demand". approved Concurrency Design Table, which states the maximum allowable water usage factors for various establishments.

### **Objective 07A.05.00 – 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 07A.05.01**

Water reuse practices in the aquifer recharge areas will assist in the replenishment of the aquifer and slow the westward flow of the saltwater intrusion line.

#### **Policy 07A.05.02**

Continue to provide reuse water at a lower rate than the potable water rate.

#### **Policy 07A.05.03**

Continue to invest a minimum of \$400,000 per year in the construction of reuse distribution lines for the Reuse Water plant to enable residents, businesses and city properties to utilize reuse water for outdoor irrigation.

#### **Policy 07A.05.04**

Update the Water Reuse Master Plan every five years.

#### **Policy 07A.05.05**

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

#### **Policy 07A.05.06**

To decrease potable water usage for irrigation and reduce treated wastewater disposal demand, consider enacting a mandatory reuse connection for all residential properties like the one that exists for multifamily, commercial and Lighthouse Point customers. Newly constructed single-family developments are required to construct reclaimed water distribution mains and are required to connect to the system when reclaimed water service becomes available. Connection to the system is currently voluntary for existing single-family properties and mandatory for multi-family and commercial within the City; however, a monthly availability charge is assessed where reclaimed water service becomes available. Connection is mandatory for all types of properties within the Lighthouse Point service area.

#### **Policy 07A.05.07**

Install reuse distribution lines at a rate to meet the needs identified in the Lower East Coast Water Supply Facilities Work Plan for 2040/2045.



**Policy 07A.05.08**

Upgrade the Water Reuse Facility to include advanced treatment in order to meet future water quality regulatory requirements.

---

**Objective 07A.06.00 – 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 07A.06.01**

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

**Policy 07A.06.02**

Develop alternative water supplies, such as reuse, Floridan Aquifer wells, or buying C-51 reservoir capacity, to satisfy projected water demands which cannot be directly met through increased allocations in the Consumptive Use Permit.

**Policy 07A.06.03**

Develop partnerships with other utilities, in order to minimize cost increases of investigating other alternative water supplies such as the use of reuse water, stormwater reservoirs and stormwater recharge.

**Policy 07A.06.04**

~~Consider further participation in Participate in the C-51 Reservoir Alternative Water Supply (AWS) Projects Phase 1 by whatever means appropriate and approved by the City Commission.~~

---

**Objective 07A.07.00 – Conservation**

Conserve potable water resources through a proactive water conservation program.

**Policy 07A.07.01**

Maintain the existing water surcharge fee which is levied during times of water shortages.

**Policy 07A.07.02**

Current and future raw water withdrawals shall comply with the requirements of the SFWMD consumptive use permit

**Policy 07A.07.03**

For all new building permits, water conserving fixtures shall be required.

**Policy 07A.07.04**

Encourage the planting of “Florida Friendly” plants and support “Florida Friendly Best Management Practices for Protection of Water Resources by Green Industries, ~~2015~~2020”.

**Policy 07A.07.05**

Continue the public education program to encourage water conservation and to provide technology upgrades, like the free Dropcountr App, to provide the most recent tools for water use monitoring and conservation.

**Policy 07A.07.06**

Maintain leak prevention and detection program such that unaccounted water loss is maintained at less than 10%.

**Policy 07A.07.07**

Continue to implement a formal water conservation program as required by the Consumptive Use Permit.

**Policy 07A.07.08**

Revise the Code of Ordinances to include updates to the water conservation program

**Policy 07A.07.09**

Participate in Broward County's water conservation programs, such as the "Mobile Irrigation", "Know the Flow" and "Water Matters".

**Policy 07A.07.10**

Comply with Broward County's year round irrigation rule as referenced in the City of Pompano Beach 10 year Water Supply Facilities Work Plan.

**Objective 07A.08.00 – Aquifer Resource and Protection**

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 07A.08.01**

The City shall adhere to the restrictions of the Wellfield Protection Ordinance.

**Policy 07A.08.02**

Pursue a modification of the ~~The City shall adhere to the restrictions of the~~ Consumptive Use Permit to address limitations that may restrict the City's ability to comply with the PFAS National Primary Drinking Water Regulation by 2030.

**Policy 07A.08.03**

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

**Policy 07A.08.04**

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 07A.08.05**

Continue to monitor saltwater intrusion so that timely action can be taken to protect the eastern wells to the maximum extent possible and to determine when they must be removed from use.

**Policy 07A.08.06**

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. Lock in and protect the eight future western well sites in Palm Aire.

**Policy 07A.08.07**

Review all land use plan map and text amendments, rezonings and site plan applications to ensure that there is sufficient potable water resources available to serve the proposed development and the land uses are consistent with the wellfield protection zone regulations.

**Objective 07A.09.00 – Maintenance Procedures**

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

**Policy 07A.09.01**

Maintain the water treatment plant facility and equipment such that the facility meets all regulatory requirements and that said equipment and facility are maintained and improved as needed.

**Policy 07A.09.02**

A proper preventative maintenance program effectively requires 80-80% of maintenance time, while emergency maintenance occupies only 10- 20% of all maintenance hours (AWWA Manual 5).

**Policy 07A.09.03**

Plant chemicals are handled according to OSHA and SDS sheets to ensure 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 07A.09.04**

Ensure the preventative maintenance program for wells meets sanitary survey requirements.

**Policy 07A.09.05**

Maintain a leak prevention and detection program such that unaccounted water loss is maintained at less than 10%.

**Policy 07A.09.06**

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 07A.09.07**

Maintain current interconnects with other Utilities to provide water in an emergency, and upgrade interconnects to meet backflow prevention requirements.

**Policy 07A.09.08**

Maintain mutual aid agreements with organizations such as FLAWARN in order to mitigate disasters.

**Policy 07A.09.09**

The water treatment facility, water reuse facility and distribution system shall maintain 100% compliance with all regulations.

**Objective 07A.10.00 – Regulatory Matters**

Comply with all water quality, operations and reporting regulations.

**Policy 07A.10.01**

Plant inspection results should average a 90% rating or better.

**Policy 07A.10.02**

Protect wells such that water quality meets all regulatory requirements.

**Policy 07A.10.03**

Maintain an effective distribution system per the American Water Works Association (AWWA) standards such that water quality within the distribution system meets regulatory requirements and water delivery meets demand.

**Policy 07A.10.04**

Meet regulatory requirements as well as AWWA standards for flushing, backflow prevention, valve exercising and cross connection control.

**Policy 07A.10.05**

To ensure coordination of the Comprehensive Plan with the Lower East Coast Water Supply Plan (LECWSP) Updates, continue to adopt the necessary updates to the Water Supply Facilities Work Plan (Work Plan) within 18 months of any adopted update to the LEC. As of ~~October 2020~~March 2025, the City hereby adopts by reference the ~~2020~~2025 Water Supply Facilities Work Plan (available at the following link: [Pompanobeachfl.gov/compmap/WaterSupplyPlan2020WaterSupplyPlan2025](http://Pompanobeachfl.gov/compmap/WaterSupplyPlan2020WaterSupplyPlan2025)), which covers a planning period of not less than 10-years and addresses issues that pertain to water supply facilities and requirements needed

to serve current and future development within the City. The City shall review the plan every 5-years within 18 months after the governing board of the SFWMD approves an updates to the LECWSP. Any changes affecting the Work Plan shall be included in the Capital Improvements Plan to ensure consistency between the Potable Water Sub-Element and the Capital Improvements Element.

**Policy 07A.10.06**

The City's Building Inspection Division will perform residential reuse inspections and the City's Utilities Department will perform annual signage inspections required by the Florida Department of Environmental Protection permit, the Broward County permit, and the City's Reuse Manual.

**Goal 7B:** Incorporate the best available data and science, into policy and planning decisions for infrastructure, recognizing the impacts associated with long range climate change predictions.

**Objective 07B.01.00 – Southeast Florida Regional Climate Change Compact**

The City shall be an active member of the Southeast Florida Climate Change Compact and will follow the policy direction provided by the Compact.

**Policy 07B.01.01**

The City shall adopt the Southeast Florida Regional Climate Change Compact sea level rise projections, which are anticipated to be updated at least every 5-years, as the basis for sea level rise planning and adaptation initiatives.

**Objective 07B.02.00 – Ensure Resiliency**

The City shall take actions to maximize the resiliency of existing and future water resources, and water and wastewater infrastructure, from the predicted impacts of climate change which include sea level rise related salt water intrusion and associated fresh water shortages as well as flood damages from increased rain and flooding from rain and storm surge caused by increased hurricane size and intensity.

**Policy 07B.02.01**

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 in the Water, Reuse and Wastewater Master Plan.

**Policy 07B.02.02**

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

**Policy 07B.02.03**

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

**Policy 07B.02.04**

Continue to enforce mandatory reuse connection for commercial and multifamily properties, and for newly constructed multi-family property irrigation, when reuse water is available.

**Policy 07B.02.05**

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 07B.02.06**

Improve resilience against salt water intrusion, and other related impacts of climate change and sea level rise through the Comprehensive Plan related Elements, the Ten Year Water Supply Facility Work Plan, and the Water and Reuse Master Plans.

**Policy 07B.02.07**

Complete securing of future sited wellfield locations in Palm Aire to ensure sustainability of water supply.

---

**Objective 07B.03.00 – 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 07B.03.01**

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.



# 10. CONSERVATION ELEMENT

Plan It! Pompano

**Purpose and Direction:** The Conservation Element goals, objectives and policies are centered around water quality, quantity and conservation; air quality; and the protection of natural resources found within the City.

The policies support climate change adaptation by ensuring the beach and dune system, which provide a natural barrier to storm surge and the impacts of sea level rise, are maintained and enhanced whenever possible; water withdrawal from the Biscayne Aquifer is effectively managed and the reuse water irrigation system is expanded to hold back the saltwater intrusion line as sea levels rise.

## Goals, Objectives, and Policies

**Goal 10:** To protect, enhance and effectively manage the natural resources of the City in order to achieve a high environmental quality including factors that affect carbon attenuation and energy conservation.

### Objective 10.01.00 – Air Quality

The City shall put forth an effort to ensure compliance with the minimum air quality standards established by the Florida Department of Environmental Protection and the Broward County Environmental Protection and Growth Management Division including factors that affect energy conservation.

#### Policy 10.01.01

The City shall coordinate efforts to preserve air quality with Broward County Environmental Protection and Growth Management Division and will review all proposed development with respect to potential impacts on regional air quality with negative impacts eliminated or effectively mitigated.

#### Policy 10.01.02

The City shall continue developing their Climate Change Mitigation and Adaptation Program that supports mitigation and sensitivity to the impacts of climate change in coordination with other municipalities, Broward County, private businesses, other governmental agencies and the State of Florida. This program will focus on mitigating the causes and consequences of greenhouse gas emissions in a cost-effective and efficient manner that preserves the City's overall values and quality of life.

### Objective 10.02.00 – Surface Water Quality

The City shall continue to undertake the following actions to assure surface water quality including impacts on the ocean are minimized and all conditions of the City's National Pollution Discharge Elimination System (NPDES) permit are met.

#### Policy 10.02.01

Enforce the City regulations that require new development retain the first flush of storm water before it enters surface water bodies, minimize the direct discharge of stormwater runoff into such water bodies and enforce the City regulations that provide for the protection and creation of surface waters in conformance with policies and "best management practices" of the State and the South Florida Water Management District.

#### Policy 10.02.02

~~No discharge of wastewater or secondary treated effluent shall be made into the ocean after 2025 to comply with the Ocean Outfall Legislation. The City shall encourage the appropriate agencies to monitor wastewater discharged into the ocean to assure compliance with secondary wastewater standards and ensure all ocean outfalls are terminated by the 2025 deadline.~~

#### Policy 10.02.03

The City shall report all prohibited discharges of untreated wastewater into canals and the Intracoastal Waterway to Broward County and/ or the South Florida Water Management District.

#### Policy 10.02.04

The City shall encourage the planting of acceptable vegetation along waterways to provide cleansing action.

#### Policy 10.02.05

Broward County requires all marinas to have pump-out facilities and to obtain a permit for such operation. Discharge from boats into the surface water is prohibited.

**Policy 10.02.06**

The City and other regulatory agencies shall require the use of proper turbidity control measures during any major operation (e.g. beach re-nourishment) in the vicinity of the coral reef and the responsible permitting agency shall monitor the measures.

**Policy 10.02.07**

The City shall coordinate with Broward County in the environmentally sensitive management of aquatic weeds.

**Policy 10.02.08**

The City shall conduct canal dredging in an environmentally sound manner.

**Policy 10.02.09**

The City shall encourage the rapid cleanup of any off-shore oil spill; this is the responsibility of County and Federal agencies.

**Policy 10.02.10**

The City shall conform to the flood management plans of the County, South Florida Water Management District and local drainage districts in order to maintain adequate flood carrying and storage capacities.

**Policy 10.02.11**

The City shall encourage the use of on-site lakes to meet irrigational water needs.

**Policy 10.02.12**

The City shall preserve and manage wetlands in compliance with the County, State and Federal regulations.

**Policy 10.02.13**

The City shall continue to maintain Chapter 53 of the Land Development Regulations to ensure consistency with Broward County Code of Ordinances which establish stormwater quality standards.

**Objective 10.03.00 – Ground Water Quality**

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

**Policy 10.03.01**

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

**Policy 10.03.02**

The eastern and western wellfield production quantity and quality shall be monitored for the protection of the groundwater supply per [SFWMD's Consumptive Use Permit Special Conditions](#).

**Policy 10.03.03**

City policies shall promote water conservation and, wherever possible, promote and continue the use of re-use water for irrigation by whatever means are appropriate and approved by City Commission.

**Policy 10.03.04**

The City shall keep the emergency water conservation plan current including the conservation measures and how it will be implemented.

**Policy 10.03.05**

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

**Policy 10.03.06**

The City shall continue to participate in Alternative Water Supply projects included in the 10-Year Water Supply Plan ~~such as reuse, the C-51 Reservoir, concentrate recovery and other potential AWS projects.~~

**Policy 10.03.07**

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 as well as the established year-round water-use restrictions.

**Policy 10.03.08**

The City shall continue its water reuse program to combat saltwater intrusion and extend water resources.

**Policy 10.03.09**

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

**Policy 10.03.10**

The City will continue to update the 10-Year Water Supply Facilities Work Plan within 18 months of adoption of any update to the Lower East Coast Water Supply Facilities Work Plan by the SFWMD.

**Policy 10.03.11**

Any remaining wetlands that may be found in the City will be appropriately preserved and protected to preserve their aquifer recharge functions.

**Objective 10.04.00 – Soil Erosion**

The City shall enforce the adopted soil erosion controls including those consistent with Chapter 27 of the Broward County Code.

**Policy 10.04.01**

All new development permits will comply with City regulations requiring shoreline and slope stabilization during and after all development activity, including vegetative stabilization after development.

**Policy 10.04.02**

The City shall work with the U.S. Soil Conservation Service in their soil erosion control program.

**Policy 10.04.03**

All mining and quarrying activities in Pompano Beach shall comply with the permit requirements of the Broward County Department of Environmental Protection.

**Objective 10.05.00 – Native Plant & Wildlife Protection**

Ecological communities identified by Broward County and the City as known to contain plant species listed in the Regulated Plant Index for protection by the Florida Department of Agriculture and Consumer Services shall be managed, protected and conserved, as appropriate.

**Policy 10.05.01**

In reviewing development applications or park proposals, efforts will be made to preserve native vegetative communities.

**Policy 10.05.02**

City policies and ordinances will support Broward County's efforts:

- a. The sea turtle head start program, including beach lighting controls, and
- b. The Florida Manatee protection program, including concerted winter enforcement of boat speed regulations.
- c. Protect and conserve those areas known to be reproduction, nesting and feeding areas for animals listed as endangered or threatened species or species of special concern which are in locations appropriate and safe for wildlife.

#### **Policy 10.05.03**

In the case of new development, enforce city regulations which require the berming of viable remaining Cypress stands to ensure the viability of their ecosystems.

---

### **Objective 10.06.00 – Natural Habitats**

The City shall use a combination of public education, land acquisition and ordinances to achieve protection or mitigation of the remaining natural habitats.

#### **Policy 10.06.01**

In accordance with the City landscape ordinance continue to encourage the planting of native vegetation coupled with the removal of exotic vegetation as a part of the site plan review process.

#### **Policy 10.06.02**

The City ordinances shall require mitigation of all adversely impacted wetlands.

#### **Policy 10.06.03**

The City ordinances shall encourage the planting of vegetation along the shores of ponds, lakes, borrow pits, and swales.

#### **Policy 10.06.04**

The City shall require that fisheries, wildlife habitat, lakes, floodplains, estuarine marshes and marine habits are preserved and conserved in compliance with applicable County, State and Federal regulations.

#### **Policy 10.06.05**

The City shall coordinate inter-governmentally when opportunities for the preservation or conservation of unique vegetative communities are located within multiple governmental jurisdictions.

#### **Policy 10.06.06**

The City will require environmental assessments of development proposals of vacant properties to ensure that the presence of protected plant or animal species is known and significant impacts can be mitigated as part of the redevelopment process.

---

### **Objective 10.07.00 – Hazardous Waste**

The City shall comply with the hazardous waste management program relative to the storage, recycling, and disposal of hazardous waste.

#### **Policy 10.07.01**

The City shall coordinate with the County's emergency response plan to handle accidents involving hazardous wastes.

#### **Policy 10.07.02**

The City shall promote the recycling of hazardous wastes by:

- a. Distributing lists of approved recyclers, and
- b. Publicizing County "amnesty days".

#### **Policy 10.07.03**

The City will continue to encourage the designation, clean up and redevelopment of Brownfield sites.

---

### **Objective 10.08.00 – Dune Restoration**

The sand dune system shall be protected and enhanced in all City and private sector projects in accordance with a Beach Master Plan to be prepared and adopted by the City.

#### **Policy 10.08.01**

The City shall use its development code standards for the beach sand dune to assure the private sector provides proper location, vegetation, walkovers, etc., when private development takes place.

#### **Policy 10.08.02**

The City shall work with the Broward County Department of Environmental Protection to assure that any beachfront construction obtains a Coastal Construction Permit.

---

### **Objective 10.09.00 – Flood Protection**

Require all substantial improvement, new development and redevelopment to be consistent with the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM); Chapter 152 of the City's Code and future maps being prepared to determine appropriate finished floor elevations based on the most recent adopted projections of sea level rise.

#### **Policy 10.09.01**

Continue to require all substantial improvement, new development and redevelopment to be consistent with the minimum finished floor elevations as specified in the Federal Emergency Management Administrations Agency Flood Insurance requirements, the South Florida Building Code, Chapter 152 of the City's Code of Ordinances and future maps being prepared to determine appropriate finished floor elevations based on the most recent adopted projections of sea level rise.

#### **Policy 10.09.02**

Continue to enforce the land development regulations in Chapter 152 of the City's Code of Ordinances which require finished floor elevations be above the highest point of the adjacent road crown elevations for all new development and substantial improvement in areas that are not identified as flood zones on the FEMA FIRM or where the required finished floor elevation would otherwise be lower.

#### **Policy 10.09.03**

The City shall maintain the National Flood Insurance Rate Maps and future maps being prepared which identify appropriate base flood elevations based on the most recent adopted projections of sea level rise in GIS format which enables users to easily identify individual properties.

#### **Policy 10.09.04**

The City shall participate in various processes which seek to update the existing 100 year flood plain maps.