Plan It! Pompano

STORMWATER SUB-ELEMENT

Purpose and Direction: The purpose of the Stormwater Sub-Element is to set the policy direction to enable delivery of stormwater management services that are efficient and reliable even during a time of increasing flood risk due to sea level rise and the projected larger, wetter, slower storms that are part of the climate change portfolio of impacts.

The goal of this element is to provide stormwater 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 8:	Stormwater service shall be provided and maintained in an orderly manner that will protect public health, safety, and preserve quality of life to the maximum extent feasible given the additional flooding expected from rising sea levels and heavier rains brought on by climate change.

Objective 08.01.00 – Stormwater Utility

The provision of stormwater services shall be through the enterprise fund known as the Stormwater Utility.

Policy 08.01.01
Improvements to the stormwater system shall follow the Stormwater Management Master Plan, as updated from time to time, and the ranking of projects within.

Policy 08.01.02
Where stormwater management systems 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 situations) including such facilities as on-site retention/detention basins, stormwater ponds, pervious areas, underground storage tanks and associated pumps, infiltration or exfiltration trenches, seawalls, swales and other green infrastructure.

Policy 08.01.03
Whenever possible, the City shall attempt to supplement stormwater utility funds with funding from County, State and Federal sources.

Objective 08.02.00 – Priorities

Where existing stormwater facilities have major deficiencies, as identified in the Stormwater Management Master Plan, the City shall attempt to correct twenty-five percent (25%) of the deficiencies every 4 years.

Policy 08.02.01
The policies for the rehabilitation or replacement of the City's stormwater facilities shall be in accordance with the City's Capital Improvements Plan and are prioritized as follows:

1. Where stormwater problems threaten the public health, safety and welfare, projects will be initiated by the City Commission.
2. Other projects will be initiated only after petitions from the area property owners are submitted to the City Commission.

Policy 08.02.02
The City shall implement all improvements to the stormwater infrastructure through the Stormwater Management Master Plan.

Policy 08.02.03
Funding of new stormwater projects shall occur through one or more sources to include but not to be limited to: the Stormwater Utility fund, the State Revolving Fund, Utility Bonds, Grants and other sources as appropriate given the type of improvement and the service area for the project.

Policy 08.02.04
Maintenance of existing local public street stormwater systems shall be the responsibility of multiple Departments including: the Utilities Stormwater Division and the Streets Division of the Public Works Department with funding from the annual operating budget.

Objective 08.03.00 – Level of Service Standards

The City of Pompano Beach shall provide an adequate stormwater system to support the future land use plan and to meet the needs of the tourist and permanent population of Pompano Beach to the maximum extent feasible given the additional flooding expected from rising sea levels and heavier rains brought on by climate change.

Policy 08.03.01
The City of Pompano Beach shall adopt the minimum levels of service standards set for stormwater by the South Florida Water Management District which are intended to mitigate flooding caused by rain events only and do not take sea level rise impacts into consideration:

25-Year Frequency
    72-Hour Duration for allowable discharge
10-year frequency storm
    24-hour duration for the minimum road crown elevation
100-year frequency storm
    24-hour duration for minimum finished floor elevation

Policy 08.03.02
Stormwater discharge water quality shall meet or exceed the criteria found in Article V, Chapter 27 of the Broward County Code of Ordinances.

Policy 08.03.03
The City shall periodically evaluate the projected level of services standards in order to ascertain continued applicability given sea level rise and heavier storms projected due to climate change during the five and ten year planning periods.

Policy 08.03.04
The City shall periodically monitor and inspect the infrastructure systems required by the City's NPDES permit in order to ascertain that the established levels of service standards are being maintained.

Policy 08.03.015
Capital Improvement projects undertaken to maintain the established levels of service standards will be implemented in accordance with the schedule provided in the Stormwater Management Master Plan and will be designed to accommodate the adopted sea level rise projections through a reasonable time period for the improvement.

Objective 08.04.00 – Flood Protection

The City shall make the necessary Capital Improvements to the stormwater system to reduce the threat of flooding to the maximum extent feasible given the additional flooding expected from rising sea levels and heavier rains brought on by climate change.

Policy 08.04.01
The Utilities Department will update the Stormwater Management Master Plan, as needed, in order to assist with the prioritization of the Capital Improvements Plan projects.

Policy 08.04.02
The City's Capital Improvements Plan shall be the yearly funding document for the new construction, rehabilitation or replacement of the City's stormwater facilities.

Policy 08.04.03
The City's Utilities Department will continue to perform normal operating maintenance and repairs as needed to minimize emergency repairs.

Objective 08.05.00 – Environmental Protection

The City's Utilities Department and Public Works shall manage the City's stormwater system and facilities in order to minimize negative impacts to the environment.

Policy 08.05.01
The City's Utilities Department shall maintain adequate resources (staff and equipment) to respond to operational problems before they become flooding problems which affect residents and businesses.

Policy 08.05.02
As the pumping of stormwater and high tide flooding becomes more common due to sea level rise and climate change, the City will continue to require the water quality of receiving waters be maintained to the maximum extent feasible.

Objective 08.06.00 – Coordination

The City shall coordinate with Broward County Utilities, Water and Wastewater Services, which operates Water Management Districts 3 and 4, and the South Florida Water Management District, which operates the Pompano Canal and Cypress Creek Canal inside the City limits and provides stormwater services to the City.

Policy 08.06.01
Coordinate with Broward County for the provision of stormwater services to City of Pompano Beach residents and businesses that are located in Water Management Districts 3 and 4.

Policy 08.06.02
Coordinate with South Florida Water Management District on the operation of Pompano Canal and Cypress Creek Canal, which provide stormwater services to City of Pompano Beach residents and businesses.

Objective 08.07.00 – Funding

Continue to operate the stormwater system as an enterprise fund.

Policy 08.07.01
Hire a rate consultant to conduct an annual study on the stormwater rates to insure that the rates are sufficient to support the needed stormwater capital improvements and operating expenses for the stormwater system.

Policy 08.07.02
Adjust stormwater rates in accordance with the annual rate study.

Policy 08.07.03
Continue to support improvements to the City's tax base and seek alternative funding sources as the cost of infrastructure to address sea level rise and climate change impacts raises the cost of new infrastructure as well as operations and maintenance of the existing drainage system.

Objective 08.08.00 – Climate Change

Improve climate resiliency through use of the best available data and sea level rise impact projections and development of adaptation strategies for areas particularly vulnerable to climate change-related impacts.

Policy 08.08.01
Adopt the Southeast Florida Regional Climate Change Compact sea level rise projections for planning purposes which have recently been updated for 2070 and will continue to be reviewed every 5-years.

Policy 08.08.02
Incorporate the best available data and science, into policy and planning decisions for stormwater infrastructure.

Policy 08.08.03
Improve climate resiliency of existing and future stormwater infrastructure particularly for sea level rise and slower, larger, wetter storms.

Policy 08.08.04
Improve climate resiliency through the development of adaptation strategies for areas particularly vulnerable to climate change-related impacts.

Policy 08.08.05
Create and maintain effective intergovernmental coordination and ongoing communication that supports sustainable water supplies and surface water quality while providing stormwater infrastructure to mitigate and adapt to climate-change related flooding.

Policy 08.08.06
Consider adopting Overlay Zones, Adaptation Overlay Districts or Adaptation Action Areas to identify those areas most susceptible to flooding resulting from high-tide events, storm surge, flash floods, stormwater runoff, and related impacts of sea level rise and develop adaptation strategies and funding methods and sources for those highly vulnerable areas.

Policy 08.08.07
Work cooperatively to identify and evaluate SLR and other water related climate change impacts, such as storm surge, high tide flooding and inland drainage, which will affect the design of transportation infrastructure projects, and the associated stormwater management system, that must provide long-term, functional access to property, services, and evacuation routes in a cost-feasible manner.