



CITY OF LAUDERHILL

COMPREHENSIVE PLAN

INFRASTRUCTURE ELEMENT

GOALS, OBJECTIVES & POLICIES



Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

June 2019

GOAL 1

To ensure that public facilities are provided which will protect the investments and rights of the City property owners and establish standards which will promote orderly growth.

OBJECTIVE 1.1:

The City shall continue to implement procedures that will ensure adequate capacity for public facilities is available prior to the issuance of a development order.

POLICY 1.1.1

The following level of service standards shall be adopted and used for determining adequate facility capacity for sanitary sewer, solid waste, and drainage-natural groundwater and adequate supply for potable water; and the demand generated by the development.

FACILITY	LEVEL OF SERVICE (LOS)
Sanitary Sewer	Florida Department of Environmental Protection permitted capacity of the Broward County North Regional Wastewater Treatment Plant.
Potable Water	South Florida Water Management District Consumptive use permit allocation. Prior to approval of a building permit or its functional equivalent, the City will consult with the water supplier to determine whether adequate water supplies to serve the new development will available no later than the anticipated data of issuance of a certificate of occupancy or its functional equivalent.
Solid Waste	For disposal: The solid waste disposal level of service standard shall be the design capacity of the Broward County North Regional Resource Recovery Facility. For per capita: 7.8 pounds per day per capita.
Drainage-Natural Groundwater	All Development Discharge: 25 year – 1 day storm event Private/Public Road Elevation: 5 year – 1 day storm event Floor Elevation: 100 year – 3 day storm event

POLICY 1.1.2

All infrastructure deficiencies shall be corrected or the correction shall run concurrently, with the approval of a development order.

POLICY 1.1.3

All improvement for replacement, expansion or increase in capacity of facilities shall be compatible with the adopted level.

POLICY 1.1.4

The City shall upgrade the water distribution system, the sanitary sewer system and the drainage system through on-going maintenance, as necessary.

POLICY 1.1.5

Projects and programs shall be funded to maintain adequate levels of service for facilities.

OBJECTIVE 1.2

The City will maintain a five-year schedule of Capital Improvements Plan, which will be updated annually as part of the City Budget process and in compliance with the Capital Improvements Element of this plan.

POLICY 1.2.1

As needed, a Capital Improvements Committee shall be created, which will be responsible for the annual implementation of the Capital Improvements program.

POLICY 1.2.2

The Capital Improvements Committee will be responsible for ranking and giving priority to existing facility deficiency, an annual improvement program and a five year improvement program.

OBJECTIVE 1.3

In reviewing development orders or permits the City will address maximizing the use of the existing facilities and discourage urban sprawl.

OBJECTIVE 1.4

The City will continue to implement a procedure for the protection of the functions of natural groundwater recharge areas.

POLICY 1.4.1

The City will continue implementation programs and/or activities for regulating land use and development, to protect the functions of natural drainage features and aquifer recharge areas.

GOAL 2

The City of Lauderhill will regulate or provide the services of: Sanitary Sewer, Potable Water, Solid Waste and Drainage-Natural Groundwater Aquifer Recharge, to meet the existing and projected needs.

OBJECTIVE 2.1

During the short-term planning period, the City will be completing the following projects related to on-going maintenance and repair of the City's infrastructure:

Sanitary Sewer:

- Assess the current conditions of the sanitary sewer system;
- Repair lift stations as identified
- Install Emergency Lift Station generators at existing lift stations as identified;
- Establish an on-going sewer lining program;

Potable Water:

- Assess the current conditions of the water treatment plant and the water distribution systems;
- Repair and/or replace vacuum filters;
- Repair and/or replace sludge tank;
- Obtain and increased water allocation for future demand conditions;

Solid Waste:

- No deficiencies exist.

Drainage-Natural Groundwater Recharge:

- Assess the current conditions of our drainage basin infrastructure including catch basin, outfalls, culverts, canals, and canal right-of-way;
- Establish a canal right-of-way maintenance program to remove all obstructions from the canal right-of-way and to identify and restore canal banks that pose a liability to the City and homeowners;
- Establish a swale reconfiguration program.

POLICY 2.1.1

No development orders will be issued for new development which would result in an increase in demand on deficient facilities prior to completion of improvement needed to bring the facility up to standard.

POLICY 2.1.2

The City shall require the solid waste hauler, for the City, to report on an annual basis, or more often if needed, the locations and destinations of all Hazardous Waste collected within the City.

OBJECTIVE 2.2

The City will coordinate its water supply planning activities with the South Florida Water Management District.

POLICY 2.2.1

The City shall coordinate its Ten-year Water Supply Plan with the South Florida Water Management District's Lower East Coast Regional Water Supply Plan Updates as required by State Statutes.

POLICY 2.2.2

The City shall update the ~~2008~~ Ten-year Water Supply Facilities Work Plan every ~~in~~ five years consistent with the update of the South Florida Water Management District's Lower East Coast Regional Water Supply Plan Update and may update the plan periodically to respond to changes in local conditions.

POLICY 2.2.3

The Broward County's, and the City of Fort Lauderdale Ten-year Water Supply Facilities Work Plan are incorporated into the City of Lauderhill Infrastructure Element by reference.

POLICY 2.2.4

The City shall continue to implement water conservation programs and policies and will continue to participate with the Broward Water Partnership. As part of the update to the City's Ten-year Water Supply Facilities Work Plan, the City will further analysis its water conservation efforts and propose changes as may be identified.

POLICY 2.2.5

The City will prepare an update to the City's Ten-Year Water Supply Facilities Work Plan based on the 2018 Update SFWMD's Lower East Coast Regional Water Supply Plan which was adopted in November 2018. The City's update will be adopted within 18-months of the Lower East Coast Plan.

OBJECTIVE 2.3

Increase resiliency to the impacts of climate change through the review and implementation of mitigative infrastructure projects and policies.

POLICY 2.3.1

The City of Lauderhill shall by 2020 conduct a review and identify feasible regulations that require new construction, redevelopment, additions, retrofits or modifications of property to incorporate porous materials, reduce total impervious area, and employ other techniques to reduce run-off, capture and reuse rain water, and recharge the Biscayne Aquifer.

POLICY 2.3.2

The City shall conduct an assessment to identify public investments and infrastructure at risk from sea level rise and other climate change related impacts and update this assessment every five (5) years. Specifically, the City shall analyze vulnerability to facilities and services, including but not limited to: buildings; water and wastewater infrastructure, transmission lines and pumping stations; stormwater systems; roads, bridges, and all transportation and transit infrastructure; power generation facilities and power transmission infrastructure; critical infrastructure such as City Hall, police and fire stations.

POLICY 2.3.3

The City shall coordinate with Broward County in improving the resiliency of existing water resources and water and wastewater infrastructure to climate change impacts, while improving energy efficiency and reducing greenhouse gas emissions.

POLICY 2.3.4

The City of Lauderhill shall consider the installation of backflow preventers on drainage systems that discharge to SFWMD or other drainage canals in coordination with the appropriate agencies.

POLICY 2.3.5

The City of Lauderhill shall construct the additional stormwater drainage infrastructure necessary to accommodate projected increases in stormwater, including drainage wells, injection wells, swales, bioswales and other related structures.

OBJECTIVE 2.4

Conserve and protect potable water resources by optimizing the utilization of water resources through effective water management practices.

POLICY 2.4.1

The City shall maintain and improve land development code and other regulations that include: 1) water conservation-based irrigation requirements; 2) water conservation-based plant species requirements derived from the South Florida Water Management District's list of native species and other appropriate sources; 3) lawn watering restrictions; 4) mandatory use of high-efficiency water saving devices for substantial rehabilitation and new construction; and 5) other water conservation measures, as feasible.

POLICY 2.4.2

The City shall promote education programs for residential, commercial and other uses which will discourage waste and conserve potable water.

OBJECTIVE 2.5

Ensure resiliency of existing and future water resources, and water, wastewater and storm water transmission, disposal and treatment systems and infrastructure to the impacts of climate change and consider the development of adaptation for areas vulnerable to climate change-related impacts.

POLICY 2.5.1

Coordinate with Broward County to assess the adequacy of water supply and water/wastewater facilities and infrastructure to effectively capture, store, treat, and distribute potable water and reuse under variable climate conditions, including changes in rainfall patterns, sea level rise, and flooding, with potential water quality and quantity impacts.

POLICY 2.5.2

Coordinate adaptive management implementation strategies for water and wastewater resources that address the potential impacts of climate change for long term operations.

POLICY 2.5.3

Evaluate cost/benefit analysis for implementing adaptive management strategies including; planning, siting, construction, replacement and maintenance of public infrastructure as well as fortification or retrofitting of existing infrastructure.

POLICY 2.5.4

Work with Broward County to develop water demand projection scenarios that account for potential changes in demands if temperatures increase and drought conditions become more frequent or persistent.

POLICY 2.5.5

Work with Broward County to evaluate infiltration and inflow programs to strategically reduce the flow of groundwater and stormwater and stormwater to wastewater collection and treatment facilities.