

Water Supply Facility Plan Update 2026

Comprehensive Plan Amendments

Future Land Use Plan Element

OBJECTIVE FLU 3.3: Coordination of Water Supply Planning and Land Use Planning

Coordinate water supply planning and land use planning activities of the City with municipalities water receiving from the City and providing water to the City to ensure that water needs of the City's residents are met.

EVALUATION MEASURE FLU 3.3.a: Implementation of water supply projects described in the 10-Year Water Supply Facilities Work Plan 2026.

POLICY FLU 3.3.1: The City shall maintain a 10-Year Water Supply Plan and update this plan within eighteen (18) months of any update to the regional plan adopted by the South Florida Water Management District.

POLICY FLU 3.3.2: Maintain consistency between the demand calculations in the Water Supply Facilities Work Plan and the population projections contained in the Future Land Use Element.

POLICY FLU 3.3.3: Monitor water demand needs and land use planning in municipalities receiving water from the City and providing water to the City.

POLICY FLU 3.3.4: Assess the Water Supply Facilities Work Plan as part of the Evaluation and Appraisal Report analysis.

POLICY FLU 3.3.5: Work with Broward County and other municipalities to update the Broward County Population Forecasting Model. Wholesale user agreement shall meet the demand projected by the Broward County Population Forecasting Model. Monitoring of population projections for retail customers outside the City limits will be accomplished through the Broward County Population Forecasting Model and annual confirmation of those projections with each City.

POLICY FLU 3.3.6: The City shall coordinate with Broward County and its municipalities to pursue the establishment of mandatory reuse zones in order to require the use of reclaimed water for irrigation, when source water is available, with the goal of reducing demands on the Biscayne Aquifer. (Cross-reference BCLUP POLICY 2.11.3.)

Conservation Element

OBJECTIVE CON 1.3: Quality and Quantity of Groundwater Resources

The City shall protect, monitor, and address issues pertaining to the quality and quantity of groundwater resources.

POLICY CON 1.3.1: Continue to identify, protect, monitor, and treat all groundwater and aquifer recharge areas to meet or exceed local, regional, and state requirements.

POLICY CON 1.3.2: Continue source-water (wellfield) monitoring, protection, and treatment programs to proactively and reactively address issues to water quality and quantity.

POLICY CON 1.3.3: The City shall maintain and update a Water Supply Plan on a 10-year outlook basis, in coordination with the 2023-2024 Lower East Coast Water Supply Plan Updated adopted by the South Florida Water Management District (SFWMD).

Sanitary Sewer, Water, & Stormwater Element

OBJECTIVE SWS 3.1: Meet Level of Service Demand in an Efficient, Economical and Environmentally Sensitive Manner

The City shall, through the coordination of land use planning with water supply planning and management, provide potable water service to meet the demands of the service area in an efficient, economical and environmentally sensitive manner.

EVALUATION MEASURE SWS 3.1.1: Record of the City providing potable water service to meet the demands at adopted levels of service.

EVALUATION MEASURE SWS 3.1.2: ~~Reduce~~ Maintain water demand at ~~to~~ 170 gallons per capita per day through conservation strategies ~~by the year 2028~~.

POLICY SWS 3.1.3: Coordinate any necessary raw water wellfield expansion and specific well location with local land use plans and the plans of appropriate County and regional agencies, including the South Florida Water Management District (SFWMD).

POLICY SWS 3.1.4: Assure that adequate watersupplies and potable water facilities shall be in place and available to serve new development no later than the issuance of a certificate of occupancy.

POLICY SWS 3.1.5: Monitor water usage for compliance with the City's Consumptive Use Permit.

POLICY SWS 3.1.6: Implement the City's ~~10-Year~~ Water Supply Facilities Work Plan 2026 prepared by Hazen and Sawyer and coordinated with the 2023-2024 Lower East Coast Water Supply Plan Updated adopted by the South Florida Water Management District (SFWMD). ~~(current version).~~

POLICY SWS 3.1.7: Maintain a Water Supply Facilities Work Plan, coordinated with the adopted Community Investment Plan as the City's Capital Improvement Program, for at least a 10-year planning period addressing water supply facilities necessary to serve existing and future development within the water service areas, adjacent municipalities, potential new demand, and support other local and regional water supply plans. The 10-Year Water Supply Facilities Work Plan (Work Plan) shall be incorporated wholly into the Infrastructure Element of the Comprehensive Plan.

POLICY: SWS 3.1.8: Coordinate and be consistent with the latest adopted version of 2023-2024 SFWMD Lower East Coast Water Supply Plan (LEC Plan) when proposing or amending the City's Water Supply Work Plan; ~~and update~~ Update the City's Work Plan within 18 months following an update to the LEC Plan. Where appropriate and feasible, the Work Plan shall include collaborative approaches with other local governments for water supply source use and water treatment technology.

POLICY: SWS 3.1.9: The City's Water Supply Facilities Work Plan 2026 prepared by Hazen Sawyer and adopted by the City Commission on [insert date] is hereby incorporated wholly into the Sanitary Sewer, Water and Stormwater Element of the Comprehensive Plan.

OBJECTIVE SWS 3.2: Water Supply System

Expand and improve the necessary facets of the water supply system to meet the projected demand for the service area and minimizes disruptions of service.

EVALUATION MEASURE SWS 3.2.1: The level of service for potable water shall be 170 gallons per capitaper day.

POLICY SWS 3.2.2: Design capacity of potable water treatment facilities shall be developed based on the following:

- Existing LOS measured by the average number of gallons per day per unit based on the average flows experienced and the total number of equivalent residential units within the service area.
- Existing potable water storage capabilities of the water system.
- Existing minimum water pressure.
- Adopted LOS standards for the potable water facility components.
- Existing capacities or deficiencies of the system.

- Capacities reserved for approved but unbuilt development.
- Improvements to be made to the facility in the current fiscal year by any approved developments pursuant to previous development orders and the impact of such improvements on the existing capacities or deficiencies.
- Improvements to be made to the facility in the current fiscal year by the City and the impact of such improvements on the existing capacities or deficiencies.

POLICY SWS 3.2.3: Immediate priorities for water system maintenance shall be areas where:

- The health, safety and welfare of system users is a concern;
- Deteriorated condition has caused repeated occurrences of leakage and/or breakage; and
- Complaints have been received due to repeated water aesthetic quality problems including color, clarity, and taste and odor, which do not pose a health threat.

POLICY SWS 3.2.4: Coordinate expansion of the potable water system with the appropriate local governments to ensure that projected service area demands are considered in the cost of supplying new development in order to maintain economic feasibility.

POLICY SWS 3.2.5: Water supply and distribution mains must assure adequate flow for both firefighting and consumer needs.

POLICY SWS 3.2.6: Provide extension of potable water mains and distribution lines to new development in the City, as necessary, via agreements with developers to share in costs on an negotiated basis.

EVALUATION MEASURE SWS 3.2.7: Potable water storage and other level of service criteria shall be as recommended in the 2017 Utility Plan or other planning documents. Daily potable water pressure shall be maintained up to 90 pounds per square in of pressure (psi) to ensure adequate system operation and fire protection.

POLICY SWS 3.2.8: The City has identified portions of the water system requiring upgrading to meet future demands, as well as, overall priorities and coordinate these improvements for public and/or private funding as necessary as per the results and recommendations of the 2017 Comprehensive Utility Strategic Plan prepared by Reiss Engineering, The the City of Fort Lauderdale Five-Year Community Investment Plan (CIP), and other planning documents, including the latest adopted 10-Year Water Supply Facility Work Plan 2026 prepared by Hazen and Sawyer and adopted by the City Commission on [insert date].

POLICY SWS 3.2.9: In order to maintain the City's distribution system, create a redundant system for potable water infrastructure and rehabilitate prioritized pipelines on a yearly basis.

POLICY SWS 3.2.10: The City will evaluate and support any new funding recommendations in the 2017 Utility Plan or other planning documents to ensure financial feasibility.

POLICY SWS 3.1.11: As new development and infill development occur, the City shall require looped water distribution systems, especially where there are currently dead ends in the system.

~~POLICY SWS 3.2.12: The City will review the need for a future water treatment plant in the future.~~

POLICY SWS 3.2.12~~3~~: The City will seek funding to replace all water meters with electronic meters and advanced metering infrastructure (AML) system wide.

Capital Improvements Element

OBJECTIVE CI 1.1: **Funding Capital Improvements**

Ensure that financial resources are available to provide capital improvements that meet existing needs and needs of planned future growth and in a cost-effective manner.

POLICY CI 1.1.1: The City Manager shall prepare and propose a five-year Capital Improvement Program and One-Year Capital budget to the City Commission annually as part of the Community Investment Plan preparation process, for adoption to meet present infrastructure deficiencies and future infrastructure needs as discussed in other Elements of this Comprehensive Plan as follows:

1. The proposed plan shall include sources of funding for each capital improvement or category of capital improvement.
2. Utilize the findings and recommendations of the Comprehensive Plan to develop the annual capital improvement plan.
3. The Capital Improvement Schedule should demonstrate that level of service standards will be maintained in a such a way that deficiencies and needs are addressed during the next five-year period.
4. The schedule of capital improvements provides an estimate of public facility costs including a delineation of when it will be needed, the general location of the facilities and projected revenue sources to fund the facilities. Projects necessary to ensure that any adopted level-of-service standards are achieved and maintained for the 5-year period are identified as either funded or unfunded and given a level of priority for funding.

POLICY CI 1.1.2: Identify public facilities needed to adequately service existing development and development for which development orders were previously issued.

POLICY CI 1.1.3: Capital projects will be evaluated using the following criteria:

1. **Meets federal, state or legal requirement** - Whether there is a federal, state, local

mandate, grant, court order, judgment, or other requirement that the project must be completed.

2. **Project feasibility** - Whether there are obstacles to proceeding with the project (land acquisition, easements, approvals required, etc.)
3. **Costs and sources of funds** - Whether the project would impact the City's operating costs, debt service level, and/or whether the project would yield revenue.
4. **Reduces risk and improves urgent safety needs** - Whether the project reduces an immediate or future risk, addresses a public health and/or safety hazard, or addresses an urgent safety needs.
5. **Relevant level of service and performance measures** - Is the impact of the project measurable? Will completing the project improve key performance measures or result in efficiencies?
6. **Addresses aging infrastructure needs and maintenance of existing facilities** - Whether the project helps to repair or replace the City's aging infrastructure (e.g. bridges, seawalls, roads) or provides for capital maintenance of existing City facilities (e.g. community centers, swimming pools, or sports complex).
7. **Project consistency with existing approved plans and projects** - Whether the project is directly consistent with a Commission approved plan, including the 10-Year 2026 Water Supply Facility Work Plan 2026 prepared by Hazen and Sawyer and adopted by the City Commission on [insert date], Utility Master Plan, Parks and Open Space Master Plan, and the Long- Range Transportation Master Plan; advances the Strategic Plan; the Commission Priorities; and/or the 2035 Community Vision Plan.
8. **Improves traffic, mobility, connectivity, pedestrian safety and cyclist safety** - Whether the project would result in filling mobility gaps, supporting more effective interconnectivity, and ensuring increased and safe accessibility to activities, events and locations (bikeway path, commuter rail).
9. **Environmental benefits** - Whether the project would address sea level rise, flooding, energy efficiency, water quality, water efficiency or other sustainability measures.
10. **Promotes or accelerates sustainable economic development** - Whether the project would directly result in capital investment, increased tax base, increased property values, or improved job opportunities.

OBJECTIVE CI 1.2: Public Facilities and Standards for LOS

Provide infrastructure, roads and public education facilities to meet existing needs and needs of planned future growth at the adopted level of service standards.

POLICY CI 1.2.1: Water - Provide the necessary capital improvements to maintain water, wastewater and stormwater levels of service, based on service area proportional needs as described in the Infrastructure Element through 2040 and for consistency with the Sustainability Action Plan as follows:

1. Capital improvements will adhere to all construction standards, minimize construction costs and assure acceptable useful life and minimum maintenance cost.
2. Water, sanitary sewer, and stormwater improvements will be designed and constructed to the size required to serve the City's projected needs.
3. To the maximum extent possible, water and sanitary sewer support systems

should be designed to accept future facilities without the need to substantially redesign existing facilities.

4. Utilize existing and future sources of funding for water, stormwater and wastewater improvements including water and wastewater impact fees. Ensure all enterprise funds are continued and utilized for the intended purpose.
5. Assure that adequate water supplies and potable water facilities meeting the adopted level of service, shall be in place and available to serve new development no later than the issuance of a certificate of occupancy.
6. Implement the water supply projects described in the 10-Year ~~2026~~-Water Supply Facilities Plan 2026 prepared by Hazen and Sawyer and adopted by the City Commission on [insert date]. These improvements shall be incorporated into the Capital Improvements Element and City's budget on an annual basis.
7. Water supply projects to be undertaken within the next five years shall be included in the Five-year Capital Improvements Plan with identified, committed funding sources for the initial three years as required by Chapter 163, F.S.
