

Wastewater Element

Goals, Objectives, and Policies

Approved August 12, 1991 • Amended August 28, 2017

POLICY DOCUMENT

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WASTEWATER GOALS, OBJECTIVES & POLICIES

GOAL 1

To provide efficient and economic wastewater services in a manner which protects the public health, safety, and welfare, is consistent with the desired urban form, and minimizes public costs.

Objective 1.1 The City shall monitor wastewater revenues and expenditures on an on-going basis to maximize the economic efficiency of the utility and to plan for future capital outlays on a five year basis. The establishment of priorities for replacement, correcting facility deficiencies and providing for future facility needs will be a part of the review process.

(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636)

Policy 1.1.1 The City shall provide wastewater service based upon the following Levels of Service:

Single Family	250 g/du/d
Multi-Family	190 g/du/d
Office	0.08 g/sqft/d
Commercial	0.09 g/sqft/d
Industrial	0.12 g/sqft/d
Lodging	119 g/rm/d
Government	0.08 g/sqft/d
Hospital	0.08 g/sqft/d

The capacity of the collection system shall be based upon the following factors: Peak Flow with the pipe capacity at 75% for pipe diameters larger than 15 inches in diameter and 50% for pipe diameters 15 inches in diameters and smaller, Lift Stations with the largest pump out of service, and Force Mains flowing full at 5 feet per second and Treatment Plant Capacity shall be based upon the annual average daily flow.

(Amended April 14, 2003, Effective June 7, 2003, Doc. No. 030414702; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

Policy 1.1.2 Reserved.
(Amended April 14, 2003, Effective June 7, 2003, Doc. No. 030414702; Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

Policy 1.1.3 Reserved.
(Amended April 14, 2003, Effective June 7, 2003, Doc. No. 030414702; Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

- Policy 1.1.4 The City should conduct an annual review of all wastewater rates, including surcharges. Rates should be modified, as required, to reflect the current and projected costs of treatment, maintenance, materials, labor, and services, related to the collection, operation, treatment, and beneficial reuse for the wastewater system.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.1.5 The City shall monitor the availability of funds from the state and federal governments for construction of wastewater facilities, and, where applicable and practical, shall encourage wastewater planning consistent with the eligibility requirements for the available funding programs.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.1.6 The City shall minimize illegal connections and discharges to the City's wastewater system.
- Policy 1.1.7 The City should continue to evaluate the City's wastewater system, including field studies, modeling and testing to verify the available capacities of the collections systems, lift stations, treatment facilities, and reclaimed water systems.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Objective 1.2** The City shall perform regular monitoring and maintenance of the collection system to ascertain the location and the nature of deficiencies and existing capacities beyond those identified in this element.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.2.1 Reserved.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.2.2 The City shall continue to implement the existing surcharge program and to assess fees for the discharge of abnormally high strength wastes into the wastewater system.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.2.3 To the extent feasible, the City shall minimize the amount of infiltration/inflow (I/I) into the wastewater collection system.
- Objective 1.3** In order to reduce inefficient wastewater service due to duplication, fragmentation, and overlapping jurisdictions, the City shall adhere to the City of Orlando-Orange County Wastewater Service Territorial Agreement approved on May 4, 1994, and as amended thereafter.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

- Policy 1.3.1 The City shall encourage the joint development and use of wastewater treatment and reclaimed water facilities without regard to political or jurisdictional boundaries, whenever such systems provide the most cost-effective services to the citizens of the City of Orlando.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.3.2 The City shall coordinate the development of future wastewater facilities with Orange County Utilities for the Orlando Urban Area that may lie within the territorial area designated for Orange County Utilities.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.3.3 The City shall promote the regional concept of wastewater treatment and disallow the development of new package treatment plants.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.3.4 The City's Wastewater Division shall coordinate with City, County, and State departments or agencies that are involved with the development of infrastructure, including OUC, regulatory, planning and transportation interests, to minimize construction or future utility relocation costs.
(Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Objective 1.4** The City shall maintain a sewer system evaluation and maintenance program to identify those elements of the collection system in need of repair, upgrading, or replacement.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.4.1 The City, through an ongoing program, shall evaluate the age and condition of the existing wastewater infrastructure, shall identify, to the extent possible, sewer sections, lift stations, force mains, and other facilities in need of replacement, repairs, or upgrades, and shall determine the remaining service life and replacement costs of said components.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.4.2 The City shall develop and implement strategies to inspect, evaluate, and prioritize maintenance, repairs, and replacement of the components of the collection to assure continued effective, efficient, and economical operation.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.4.3 The City shall implement programs for efficient issuance and tracking of work orders, maintenance, data bases, and archiving records.
(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 1.4.4 The City shall develop and implement standard operating procedures (SOPs) for the operation, maintenance, tracking, and reporting of tasks related to the operation and maintenance of the wastewater system and facilities.

(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

Objective 1.5 The City shall review periodically the wastewater system as delineated within the GMP to evaluate and encourage infill development, re-development, and repurposing land uses to discourage sprawl beyond the current boundaries of the approved urban service area for Orange County Utilities, and to maximize the use of existing wastewater collection facilities.
(Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

Policy 1.5.1 The City shall use an appropriate methodology to evaluate and determine on an annual basis, available capacity and deficiencies for the wastewater system.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

GOAL 2

Reduce the environmental impacts of the wastewater system upon water resources, encourage water conservation, promote beneficial reuse of reclaimed water and biosolids, and phase out onsite septic and treatment systems.
(Amended April 24, 2017, Effective May 25, 2017, Doc. No. 1704241203)

Objective 2.1 The City shall evaluate the need for utilization of reclaimed water on an annual basis. The City shall review the existing reclaimed water systems, including public access distribution, wetland, and groundwater recharge systems to determine future needs, upgrades, and expansion. The annual study shall include, but not be limited to:

- a. Implications of the Wekiva Parkway, Horizons West and, changing land uses within the Water Conserv II Water Reclamation Facility service area
- b. Development of a long term biosolids management program, which is reliable, promotes beneficial reuse, and responds to changes in governmental regulations.
- c. Implications of development and annexations in the southeast quadrant of the wastewater service area upon the capacity, operations and needs of the wastewater system.
- d. Encouragement of conservation and efficient utilization of reclaimed water with innovative and efficient system operations, and measure for reducing water use and proper landscaping.

(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103; Amended April 24, 2017, Effective May 25, 2017, Doc. No. 1704241203)

- Policy 2.1.1 The City shall conduct informational and educational campaigns to encourage industrial/commercial customers to implement water conservation programs or to use reclaimed water where practical, economically feasible, and allowed in accordance with Chapter 62-640, F.A.C.
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended April 24, 2017, Effective May 25, 2017, Doc. No. 1704241203)
- Policy 2.1.2 The Environmental Control Section shall coordinate the industrial pretreatment program and handling and disposal of hazardous wastes and materials with other City departments, including Permitting Services, Public Works, Stormwater, Legal Affairs and Fire.
(Amended June 8, 2009, Effective August 25, 2009, Doc. No. 0906081103; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)
- Policy 2.1.3 For parcels located within the Wekiva Overlay District, the City shall require connection to the wastewater system and phase out on-site septic systems wherever and whenever City wastewater service is available, in accordance with Section 381.0065(2)(a), F.S. and Chapter 30 of the City Code of Ordinances.
- A. Where City wastewater service is available, the following requirements shall apply:
1. All new development and redevelopment shall connect to the City wastewater system;
 2. Existing development served by an on-site septic system shall be required to connect to the City wastewater system upon failure of the on-site system;
 3. The City shall encourage existing development with an on-site septic system to connect to the City wastewater system by offering an abandonment credit program to partially offset the cost of connection.
- B. Where City wastewater service is not available, the following requirements shall apply:
1. On-site septic systems that fail shall be replaced with a Performance Based Treatment System (PBTS).
 2. All new development shall install a PBTS.
 3. All PBTS shall be maintained and inspected consistent with the approved Orange County Health Department permit and any associated Maintenance and Perpetuity Agreement.

4. Conventional septic tank systems may be used only if both of the following conditions are met:
 - a. The City has committed to provide wastewater service to the area within five years.
 - b. The property owner has a written agreement with the City to connect to the wastewater system as soon as the service becomes available.
 - c. The City shall coordinate with the Orange County Health Department to implement the provisions of this policy throughout the planning period, either through formal agreements or with standard operating policy.

(Amended December 15, 2008, Effective March 10, 2009, Doc. No. 0812151104; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

Policy 2.1.4 Reserved.

(Amended December 15, 2008, Effective March 10, 2009, Doc. No. 0812151104)

Objective 2.2 The City shall continue to expand and upgrade the existing reclaimed water program where economically feasible and to evaluate land uses within the distribution service areas for reuse opportunities.

(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended August 28, 2017, Effective September 27, 2017, Doc. No. 1708281201)

Policy 2.2.1 The City shall promote the responsible use of the wastewater system and reductions in pollutant loadings with implementation of best management programs, spill prevention, pollution prevention initiative and waste minimization.

(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

Policy 2.2.2 The City shall require the use of reclaimed water within the existing service areas and whenever expansion of the distribution is feasible.

(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

Policy 2.2.3 The City shall coordinate with OUC to provide reclaimed water through Project RENEW, as detailed in Consumptive Use Permit #3149.

(Amended January 22, 2007, Effective April 9, 2007, Doc. No. 0701221004; Amended April 24, 2017, Effective May 25, 2017, Doc. No. 1704241203)

Policy 2.2.4 The City shall encourage water conservation, promote beneficial reuse of reclaimed water, and implement policies and programs for innovative conservation and use of reclaimed water as detailed in the Central Florida Water Initiative Regional Water Supply Plan and other practices.

(Amended April 24, 2017, Effective May 25, 2017, Doc. No. 1704241203)

Objective 2.3 The City shall conduct an educational program to increase public awareness of wastewater treatment, use of reclaimed water, best management programs, water conservation measures, and impacts on water resources and the environment.

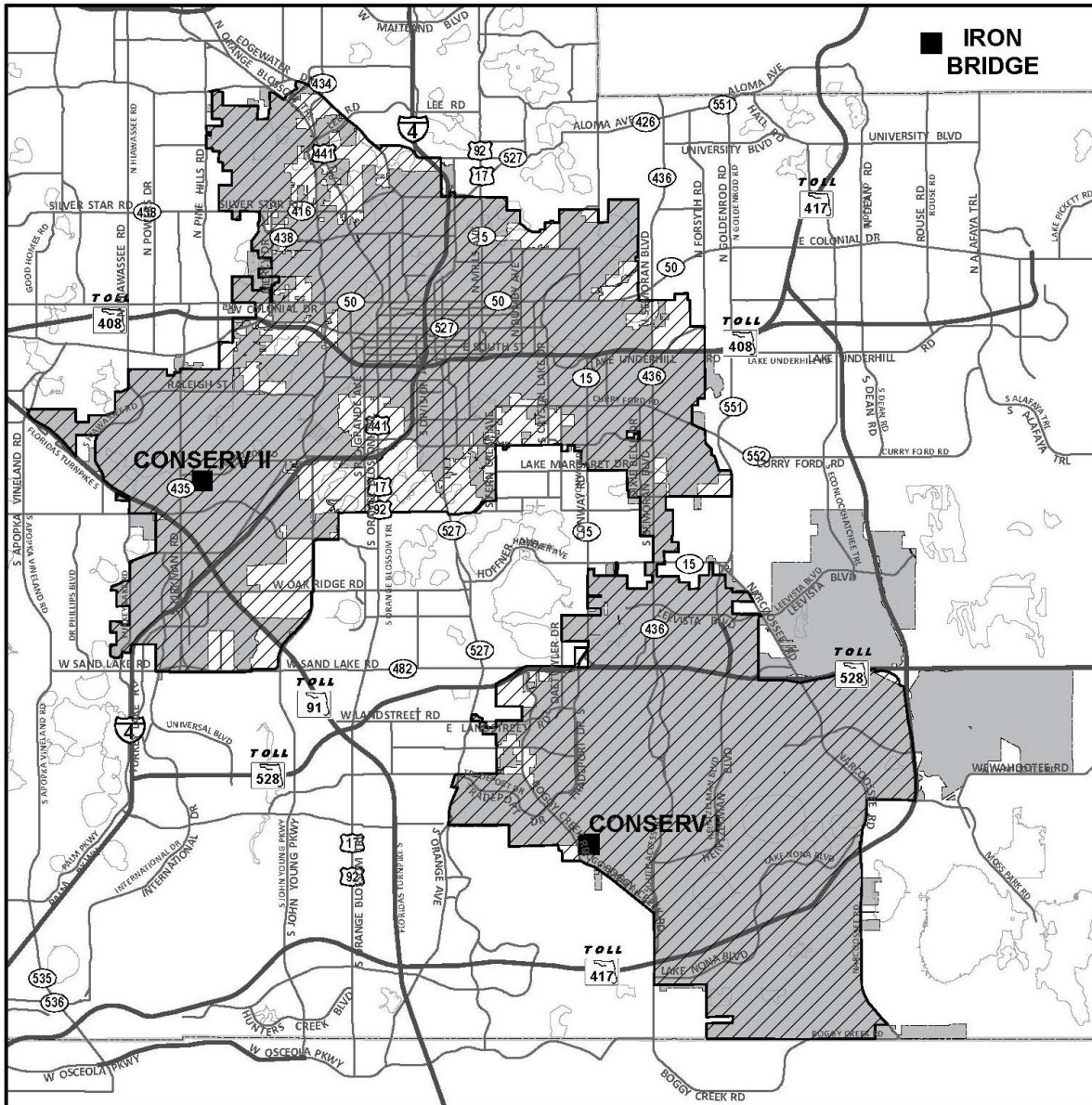
(Amended February 7, 2000, Effective March 9, 2000, Doc. No. 32636; Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

Policy 2.3.1 The City shall perform public education programs using public service announcements, social media, websites, publications, hand-outs, demonstrations, presentations, and participation in various environmental activities, programs and festivals.

(Amended August 28, 2017, Effective October 27, 2017, Doc. No. 1708281201)

**Figure
WW-2**

Reclaimed Water Service Areas



LEGEND



- Orlando City Limits
- Reclaim Service Area
- Water Reclamation Facility

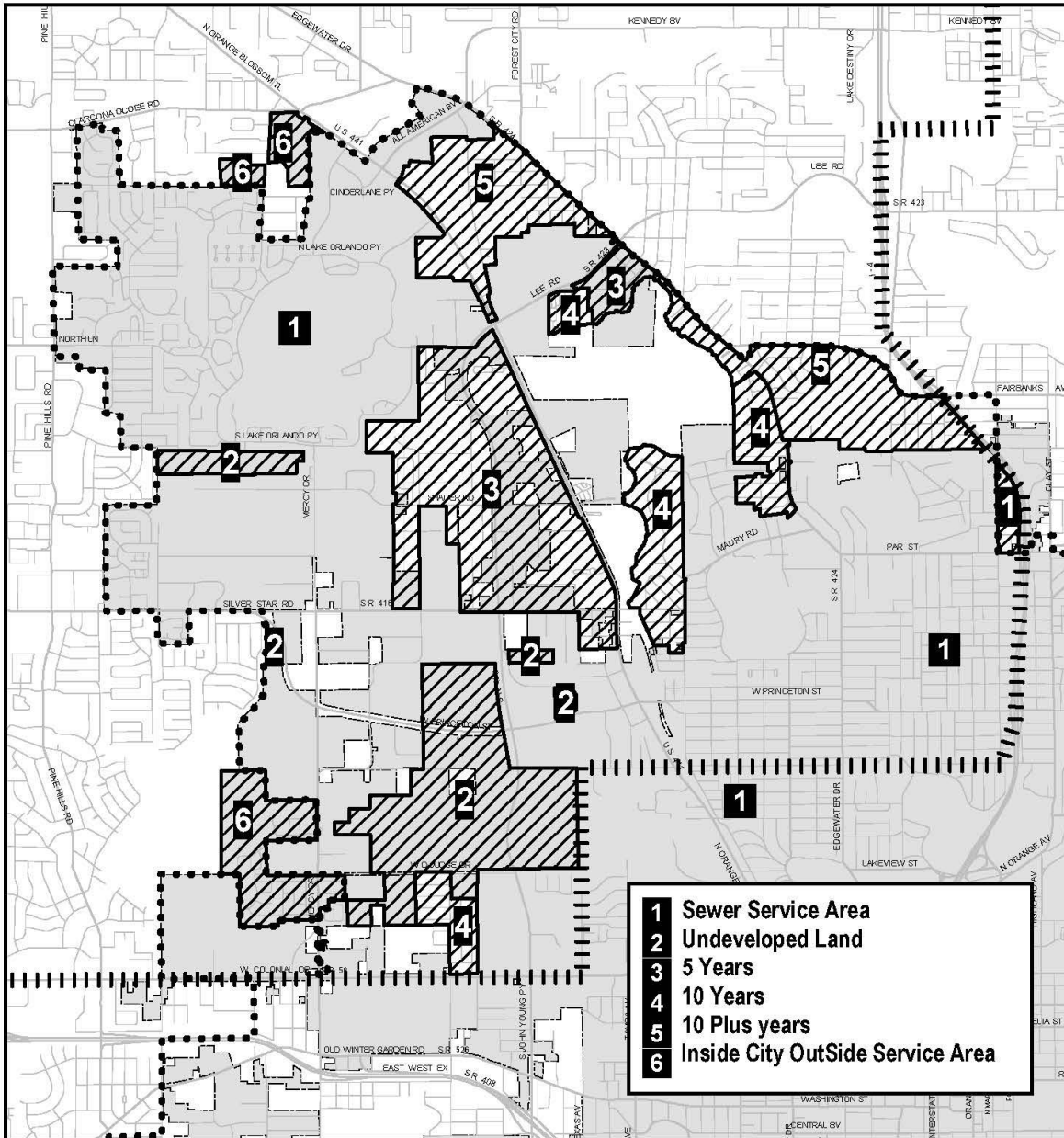


City of Orlando, Economic Development Department
City Planning Division, February 2018

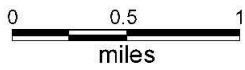
Amended August 28, 2017; Effective October 27, 2017; Doc. Num. 1708281.201

**Figure
WW-3**

Wekiva Waste Water Service Area



LEGEND



City of Orlando, February 2018

Amended August 28, 2017; Effective October 27, 2017; Doc. No. 1708281201

-  Orlando City Limits
-  Waste Water Service Area Boundary
-  Wekiva Recharge Area Boundary
-  Non Sewer Area
(See Chart For Time Line)

