



City of Venice

Water Supply Work Plan



Overview of Presentation

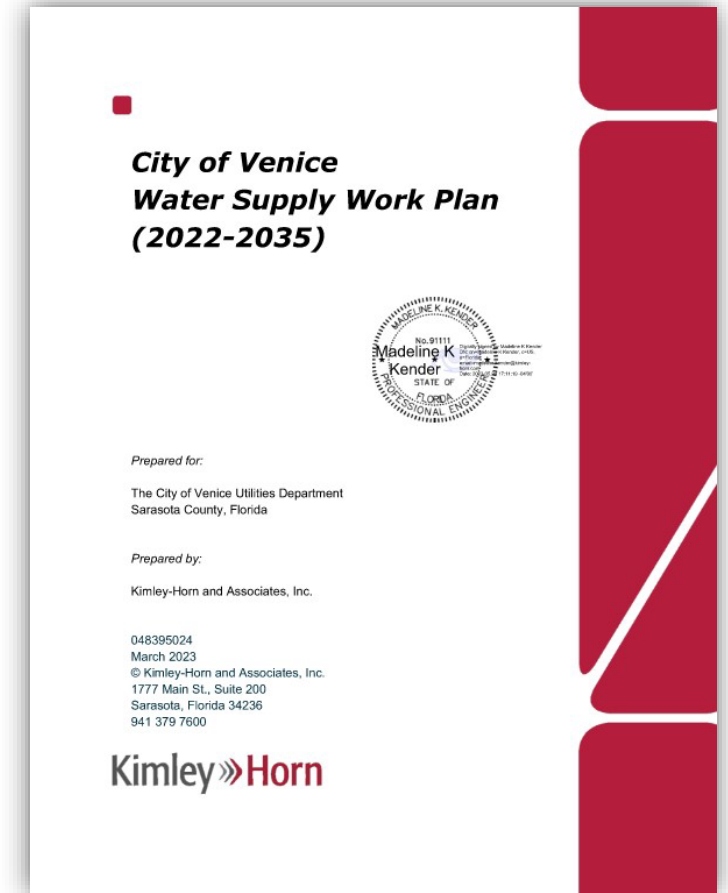
- What is a Water Supply Plan?
- Elements of the City of Venice Water Supply Plan
- Findings from the Water Supply Plan
- Effects on the Comprehensive Plan
- Proposed Amendments and Strategies
- Next Steps

What is a Water Supply Plan?

The purpose of the Water Supply Plan is to **identify and establish future water demands** and potential water sources to assist the Southwest Florida Water Management District in creating a **framework for future water management decisions** in the District.

The plan assists in identifying and prioritizing **Capital Improvement Projects** to meet demands while promoting conservation efforts and maintaining adequate supply.

required by Florida Statutes Chap 163.3177(4)(a) & (6)(c)3



Elements of the City of Venice Water Supply Plan

- Summary and Analysis of the existing Water Treatment Facility and Distribution System
- Demonstration of compliance with Local, Regional, and State Conservation Efforts
- Projected Population and Potable Water Demands
- 10-Year Capital Improvement Projects Plan
- Affected Vision, Intent & Strategies in the Comprehensive Plan

Findings from the Water Supply Plan

- Population has rapidly expanded in the last 5 years and growth is expected to continue at a similar rate for the next 10 years. Population is expected to grow at a rate of 3.12% through 2045.
- Water supply resources and distribution infrastructure are sufficient to accommodate projected water demands. Planned updates to Water Treatment Plants will allow the City to accommodate growing potable water demands.
- The per capita water use rate and the City's water loss are expected to trend downward with completion of ongoing and planned capital improvement projects.

Effects on the Comprehensive Plan

Per Florida Statutes Chap 163.3177(6)(c)3:

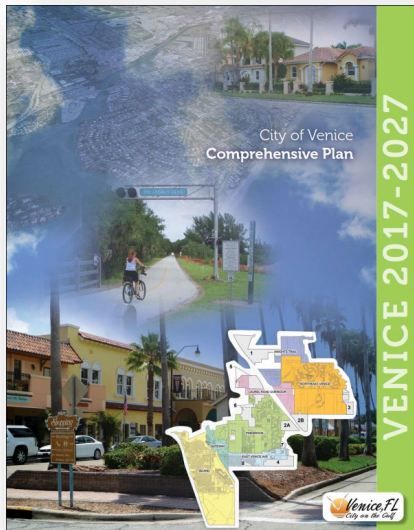
Local governments are required to prepare and adopt a water supply facilities work plan into their Comprehensive Plan within 18 months after their respective Water Management District approves a Regional Water Supply Plan.



Proposed Amendments – Strategies

Strategy OS 1.12.9 - Emergency Water Conservation

The City shall continue to implement emergency water conservation practices in accordance with the SWFWMD. Such directives include the implementation of water management plans and emergency conservation- including those identified within the City of Venice Water Supply Work Plan, Prepared By: Kimley-Horn and Associates, Inc., ~~May 2019~~ January 2023.



Strategy IN 1.2.6 - Utility Master Plans

The City shall update or develop utility master plans based on an overall infrastructure prioritization schedule to ensure consistency with partner agency plans and reflect best industry practices. The City's utility master plans shall include the following and be updated according to Florida Statutes:

1. Water Supply Master Plan (*City of Venice Water Supply Work Plan, Prepared By: Kimley-Horn and Associates, Inc., ~~May 2019~~ January 2023*)
2. Wastewater and Reclaimed Water Master Plan

The City should pursue the development of a Stormwater Master Plan.

Proposed Amendments – Strategies

Strategy IN 1.2.3 - Development Expansions

The City shall require through the Land Development Code and development review processes connection and maintenance to City utility services in accordance with the following criteria:

1. Size of development, types of structures, and land uses
2. Proximity and location (Coastal High Hazard Area) to existing infrastructure
3. Available capacity
4. Demand of future development projects
5. Consistency with applicable master plans (i.e., stormwater master plan, ~~2019~~ 2023 City of Venice Water Supply Work Plan provided by reference herein and included in the Infrastructure DIA)
6. Development agreements such and the JPA/ILSBA that may be in effect

Proposed Amendments – Strategies

Strategy IN 1.3.1 - Level of Service Standards

The City shall ensure that the City's utilities and appropriate public infrastructure are properly maintained by meeting the following levels of service concurrently with development:

1. **Potable Water** - 90 gallons per capita per day based on average annual flow and a Peak maximum day flow of 135 per capita per day.
 - a. This LOS standard was adopted as part of the *City of Venice Water Supply Work Plan, Prepared By: Kimley-Horn and Associates, Inc., ~~May 2019~~ January 2023*

Strategy IN 1.4.9 - 10-Year Water Supply Facilities Work Plan.

The City will coordinate with SWFWMD and amend the Comprehensive Plan to incorporate any required updates to the 10-Year Water Supply Facilities Work Plan within eighteen months after an update to the Regional Water Supply Plan is approved by SWFWMD. The City has prepared and adopted the *City of Venice Water Supply Work Plan, Prepared By: Kimley-Horn and Associates, Inc., ~~May 2019~~ January 2023* as required.

Proposed Amendments – Strategies

Strategy IN 1.4.11 - Public Conservation Efforts

The City shall utilize the City of Venice Water Conservation Plan, ~~2019~~ 2023 City of Venice Water Supply Work Plan, and other plans, including this Comprehensive Plan, to encourage public conservation efforts by providing:

1. Public Education Efforts
 - a. Reducing, reusing, and recycling waste products
 - b. Utilizing energy saving and water efficient fixtures
 - c. Utilizing reclaimed wastewater for irrigation
 - d. Minimizing irrigation, fertilization, and pest control needs using native, drought tolerant, and Florida-friendly landscaping materials and planting techniques
 - e. Using products with recycled components and packaging
2. Water and energy conservation school presentations and contests
3. Recycling and water conservation programs
4. Public incentives for reducing, recycling, and reusing natural resources and waste products
5. Information on reducing waste and minimizing energy use
6. Incentives for water conservation

What are the next steps for approval?

Planning
Commission
Reviews
Amendments

City Council Reviews
Amendments and
Delivers to State
Agencies

State Agencies (DEO
and SWFWMD)
Review
Amendments

City Council Reviews
and Adopts
Amendments and
WSP



Questions?