Summary Information

This item is an overview of updates to the unincorporated Hillsborough County Comprehensive Plan related to “One Water” – an integrated approach to planning for potable water, wastewater, stormwater, and the natural environment within Hillsborough County. Staff will detail the collaborative update process, the overall goals of One Water and a timeline for the upcoming plan amendment.

One Water is an effort to address water holistically in the Comprehensive Plan. In lieu of siloed Elements, One Water synthesizes and modernizes the water resources-related language, combining the Potable Water, Sanitary Sewerage, and Stormwater Elements; as well as water-resource related language from the Conservation and Aquifer Recharge, Future Land Use, Coastal Management and Capital Improvements Elements. One Water also contains new language that is on the forefront of water resources management, such as green infrastructure, multi-use projects, and water resources infrastructure that has environmental, economic, and other societal benefits.

One Water was developed collaboratively with stakeholders from the One Water Working Group, which represent staff from across the County: The Water Resources Department, Environmental Services Division, Development Services Department and Engineering and Operations Department. These updates serve as the first portion of the overall update to the Comprehensive Plan, along with the new Environmental and Sustainability language. The language will be provided for review at the June Planning Commission meeting.

Recommendation

None. Information only.
One Water

Introduction

One Water represents a holistic and integrated approach to planning for potable water, wastewater, stormwater, and the natural environment within Hillsborough County. The concept rests on the knowledge that all water is interrelated, and all water has value. Matching the right water resource to the right use can be used as an innovative solution to meet growing population demands. Viewing water holistically enables the County to be more flexible and quick to address threats like storm surge, changing rainfall patterns, and the increased need for resiliency.

The One Water Chapter synthesizes and modernizes the water resources related language that previously lived in siloed Chapters. The Chapter combines the Potable Water, Sanitary Sewerage, and Stormwater Chapters as well as water resource related language from the Conservation and Aquifer Recharge, Future Land Use, Coastal Management, and Capital Improvements Chapters. In addition, the Chapter contains new language that is on the forefront of water resources management, such as green infrastructure, multi-use projects, and water resources infrastructure.

The Chapter is a collaboration between stakeholders from the One Water Working Group, which represent staff from across the County: The Water Resources Department, Environmental Services Division, Development Services Department and Engineering and Operations Department. Via this integrated approach to Comprehensive Planning, the One Water Chapter sets the stage for implementation of creative programming by the County. The Chapter ensures projects consider the impact of one resource on another and take a holistic view to optimize resources and maximize benefits across the County.

Core Components

1. All water is interrelated and all water has value.
2. Coordinated, collaborative water resources planning across departments and disciplines.
3. Water resources infrastructure that achieves multiple benefits - environmental, social, and economic.
4. Developing innovative and creative solutions to meet increasing demands and impacts.
5. Matching the right resource to the right use.
6. A place-based or impact-based approach that respects and responds to the natural ecosystem, encourages redevelopment and infill, and prevents urban sprawl.
7. Enhancing utilization of existing water resources infrastructure and capital assets.
8. Ensuring water is provided, collected, treated, and managed in a sustainable manner for current and future residents.

No matter who we are, where we live, or what we do, water connects all of us.
When we embrace the belief that water in all its forms has value—water in our lakes, seas, rivers, streams, drinking water, wastewater, and stormwater—the full water life cycle can be optimized to build strong economies, vibrant communities, and healthy environments.

– US Water Alliance
A One Water Approach to the Comprehensive Plan Update

Anticipated Outcomes

**Environmental Sustainability**
- Strengthening land use policies to minimize encroachment into rural and agricultural areas
- Protecting and preserving the environment, water resources, surface waters and natural systems
- Minimizing the adverse impacts of septic tanks and restricting septic tank location
- Incorporating green infrastructure and Low Impact Development into projects and developments
- Expanding methods and tools to increase water conservation
- Enabling a flexible and nimble system to respond to climate change

**Social Sustainability**
- Collaborative water resources planning with other agencies across disciplines
- Incorporating water resource considerations into redevelopment strategies
- Developing innovative and creative solutions to meet increasing demands and impacts
- Recognizing the interconnectedness of water resources and matching the right resource to the right use
- Continuing to meet adopted Levels of Service

**Economic Sustainability**
- Connecting existing development to utilities in the Urban Service Area
- Maximizing utilization of existing capital assets
- Promoting the co-location of water resources infrastructure and other facilities to enhance the efficient use of land and reduce public costs
- Examining water supply alternatives and additional opportunities for water resource integration
- Maximizing return on investment through place-based and impact-based approaches
- A “dig once” philosophy saving on project spending

Hillsborough County
City-County Planning Commission

Hillsborough County
Florida
The One Water Cycle

1. Water Treatment
2. Wastewater Treatment
3. Advanced Treatment
4. Stormwater Management

- Water Treatment
- Wastewater Treatment
- Advanced Treatment
- Stormwater Management

Groundwater
- Surface Water Augmentation
- Evapotranspiration
- Desalination

Surface Water
- Reservoir
- Ocean Discharge

Green Infrastructure
- Direct Potable Reuse
- Industrial Reuse
- Domestic Reuse

Irrigation Reuse
- Domestic Reuse

Industrial
- Industrial Reuse

Domestic
- Domestic Reuse

Commercial
- Commercial Reuse

River Discharge
- Ocean Discharge

Evapotranspiration
- Evapotranspiration