

## Stormwater

- The **Stormwater Stakeholders Workgroup** reviewed the complete analysis of the Stormwater Utility and proposed increases necessary for operation and maintenance of the Stormwater Utility and completion of water quality projects.
- Seven members of the public (including a representative from VGRC – Tom Jones) **provided citizen input**. The Workgroup recommended conversion of the service factor to a water quality fee to increase revenues for water quality improvements.
- A **report prepared by Stantec Consulting** was presented to City Council with Stakeholders Workgroup endorsement prior to approval of the Resolutions by City Council to increase the Stormwater rates.
- The Stakeholders Group is **currently looking at** impacts to **agricultural parcels** and **permitted stormwater management systems** plus proposed rate increases for the next budget year.
- The City's overall **stormwater system includes** roadway related stormwater features as well as stormwater outfalls & waterways. **Costs are shared** and distributed to all City residents through a stormwater fee on their utility bill.
- Developments that have **permitted stormwater system** (such as VGRC) provide pre-treatment prior to discharge so they are given a discount. Each property still has a fiscal responsibility for operating and maintaining the city's overall system.
- The city has conducted initial **sampling at the priority beach outfalls** and is developing capital projects to provide water quality improvements. These capital project are prioritized for completion based upon proximity to the Gulf.
- **Other regions** of the city will next be evaluated in order to update the Stormwater Management Plan for the city as a whole.

## Water Booster Station

- Construction of a new BPS will provide **improved Fire Protection volumes and system pressures**, as well as enhanced capacity to meet existing and future residential potable water demands.
- An **acoustical study** of the new booster station compared with existing ambient noise was conducted. The sound from the booster station is not expected to exceed current ambient noise, specifically to the neighboring developments. At the site, it is **not expected to exceed 55 dB** at the property line, which is equivalent to a **washing machine running**.
- The project site will include a **9' tall berm** with trees on it to shield it from residential developments to the south and west.
- An emergency generator will be located outside and tested about 1 hour each month during daytime hours.

- A **solar panel** array will be installed and will be sufficient to power the pump station on an average day. The panels will cover approximately 1.5 acres and cost approximately **\$1M**. The analysis indicates the solar system will **pay back in 15 years**.
- The Booster station will also include an **Emergency Operations Center (EOC)** for the Utilities Department, which will allow both the Water and Wastewater plants will be operated from the EOC during a weather event or other emergency situation.
- **VeniceWaterBoosterStation.com**, offers more information about the project, renderings of the concept plan, reports, and timely updates.
- **We expect this facility to become a model for other municipal utilities.**

## Water Supply

- The City's **Water Supply Plan (WSP)** was recently developed and **approved by the Planning Commission on January 5, 2021.** The WSP is a state requirement, showing that the capacity of our water production wells and treatment capacity at the plant meet or exceed projected needs through the current Comprehensive Plan period of 2027. **The WSP indicates the City has capacity to provide water through the study period of 2045.**
- Utilities is currently completing a pilot study, which is used to test new membranes for the WTP to increase the recovery rate of groundwater to finished water at WTP. **The resultant project will increase the efficiency of the water plant from 50% to 75%.**
- The City has also developed a master plan of the water distribution system, **"Water System Master Plan Update" Final Report in 2019 prepared by Black and Veatch**, which analyzes current pipe sizes and pressures and recommends potential improvements. The Master Plan also identifies improvements, which may be needed from known planned developments.
- **Developers are responsible for construction and costs of water and sewer system extensions, which serve them.**

## Wastewater

- The Eastside Water Reclamation facility is designed to handle an **average of 8 million gallons per day (MGD)**, **current average daily flows are 3 MGD** including flows from Sarasota County.