

Two new wellfields are being proposed as part of this permit renewal: the West wellfield located near the intersection of County Road 16A and Trout Creek, and the Anastasia Island wellfield located directly west of West 16th Street on Anastasia Island. The new wellfields are being proposed to help meet the projected increase in potable water demand. The proposed wellfield locations will improve wellfield management and operation by spreading out withdrawals to minimize potential impacts to nearby users and water resources.

In addition to the production wells, SJCUD has seven active and one proposed dedicated Upper Floridan aquifer monitoring wells located throughout the wellfields to monitor water quality and water level trends.

SJCUD owns and operates several Water Reclamation Facilities (WRFs) within the service area that generate reclaimed water to meet public access reuse standards and SJCUD has beneficially used this reclaimed water at golf courses throughout the service area for many years. In 2014, SJCUD expanded its reuse program to include residential irrigation. SJCUD also has an ordinance in place that requires all new developments to install reclaimed water piping if located within the county's Mandatory Reclaimed Water Service Area, even if reclaimed water is not yet available.

Five WRFs are operated by SJCUD within the SJCUD Mainland service area: Anastasia Island WRF, Northwest WRF, Bartram Oaks WWTF, State Road 16 WRF, and State Road 207 WRF. Additionally, SJCUD has approved a new \$191-million State Road 207 WRF that will include advanced water treatment. This project includes a 13-mile pipeline network that will maximize the delivery of reclaimed water for residential irrigation over the next 20 years and eliminate surface-water discharges to the Matanzas River. Between 2018 and 2025, the average annual flow from these WRF's was approximately 5.12 mgd and approximately 50% has been beneficially reused within the SJCUD Mainland service area. Over the next 20 years, beneficial reuse is projected to increase to 65% in 2030 and then to 82% by 2045. In 2045, the projected total reclaimed water flows are 11.52 mgd and the projected reuse demand is 9.39 mgd.

In addition to the five WRFs discussed above, SJCUD operates two WRFs within the SJCUD Ponte Vedra System: Marsh Landing WRF and the Players Club WRF. In 2025, there was a combined total reclaimed water flow of approximately 2.0 mgd from these WRFs, 82% of which was reused beneficially for golf course and landscape irrigation. Over the next 20 years, beneficial reuse from these WRFs is expected to increase to 100% through expansion of the reuse system.

PERMIT APPLICATION REVIEW:

Section 373.223, *Florida Statutes* (F.S.), and Rule 40C-2.301, Florida Administrative Code (F.A.C.), require an applicant to establish that the proposed use of water:

- (a) is a reasonable-beneficial use;
- (b) will not interfere with any presently existing legal use of water; and,