

Progress on the Cypress Lake Lower Floridan Aquifer Alternative Water Supply Project

The Cypress Lake Lower Floridan Aquifer water supply project is planned to treat up to 37.5 million gallons per day of brackish groundwater with a projected yield of 30+ million gallons per day of finished water when fully built out to meet future projected water supply needs and ensure a sustainable water supply for a portion of the CFWI Planning Area.

The Cypress Lake project will include Lower Floridan Aquifer water supply wells, a reverse osmosis water treatment plant, concentrate disposal wells with associated monitoring wells and associated pipelines.



The first phase of the project, anticipated to be constructed by 2030, will have an approximate capacity of 15 million gallons per day.

Toho Water Authority completed construction of the second concentrate disposal well and monitoring well in early 2026. The concentrate disposal well has been completed with the final casing set over 2,100 feet below land surface. The monitoring well was constructed to a final depth of over 2,000 feet below land surface.

Previously completed project tasks include four production wells, one concentrate disposal well and associated monitoring well. In addition, the installation of the raw water main started this year as well. Future work (2027-2030) includes the reverse osmosis water treatment facility construction along with additional production wells and raw water transmission main installation.

Improvements are being made to interconnections and water infrastructure by the Water Cooperative of Central Florida to convey the finished water from this alternative water supply amongst the partners.

Water Cooperative of Central Florida partners include the City of St. Cloud, Toho Water Authority, Orange County Utilities, and Polk County Utilities, with Toho Water Authority serving as the project administrator.