

Cypress Lake

Alternative Water Supply Project



30M+

30 to 34 million gallons of potable water will be produced daily upon completion of Phase 2.



350k

The facility will provide sustainable water supply for 350,000 people daily.



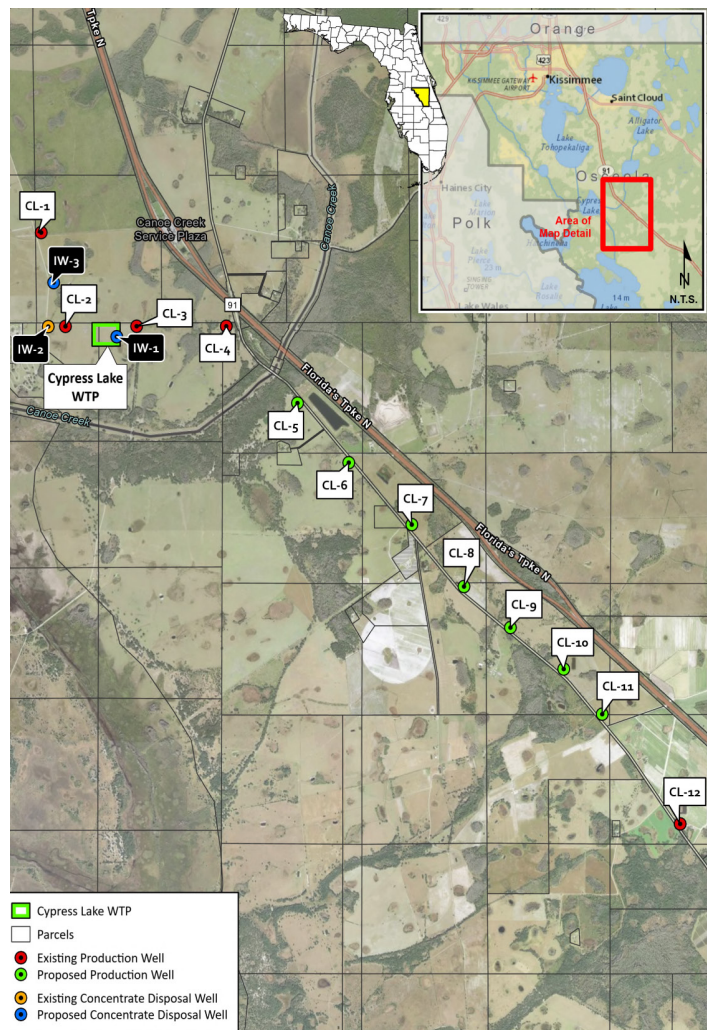
2030

Phase 1 of the facility is expected to be completed in 2030. Completion of phase 2 is yet to be determined.

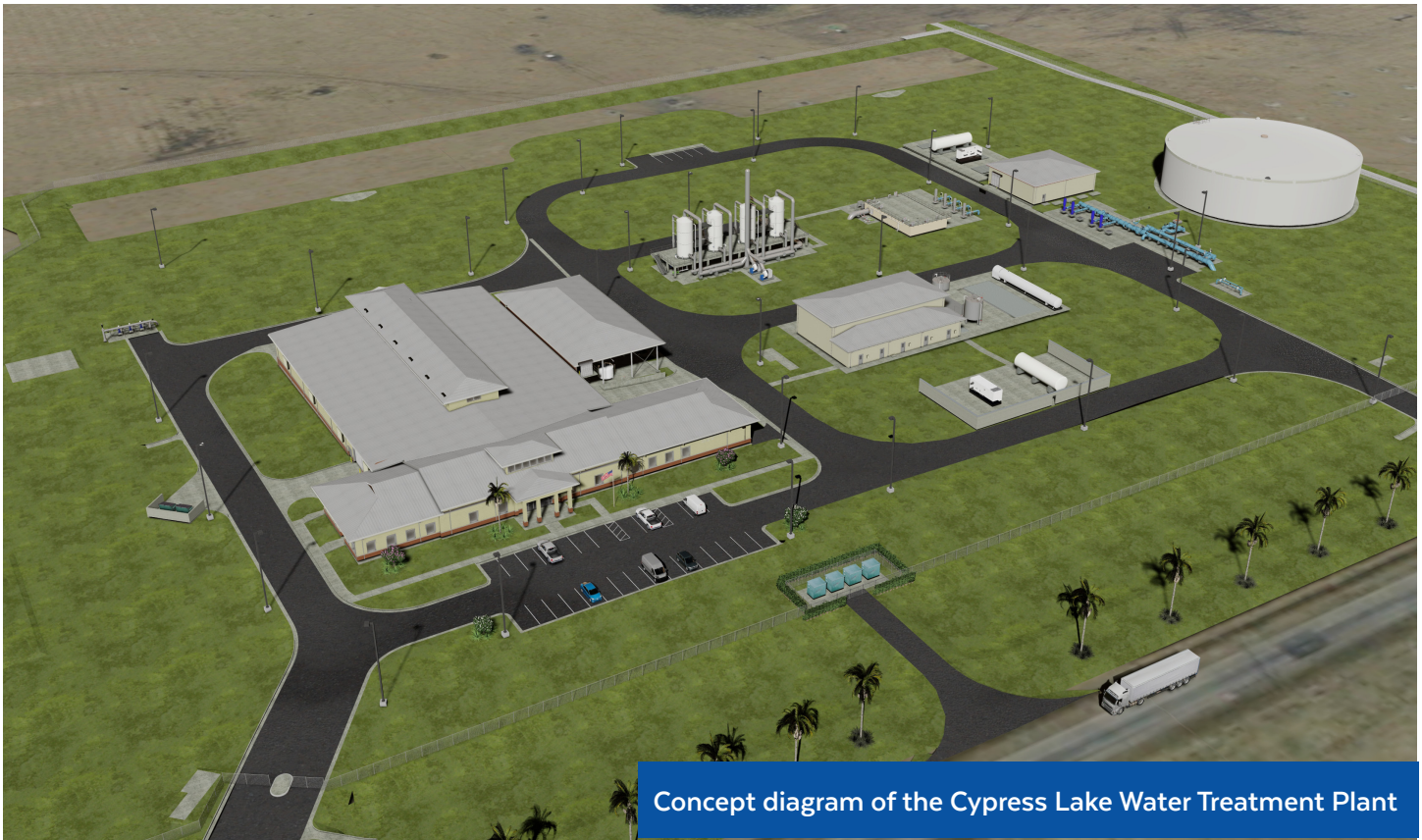
Water Cooperative of Central Florida



The Water Cooperative of Central Florida consists of the City of St. Cloud, Toho Water, Orange County, and Polk County. In 2011, the Water Cooperative of Central Florida was created to develop regional projects to meet the needs of future growth.



Phase 1 will provide up to 17 million gallons per day (MGD) and is estimated to cost \$300M



Concept diagram of the Cypress Lake Water Treatment Plant

Progress Made

- Interlocal agreement and seven related funding amendments amongst WCCF utility members
- Acquisition of \$19.669M in grant funding to support the project
- Governance agreement approved by Partners
- Preliminary design of reverse osmosis water treatment facility (ROWTP), wellfield and raw water mains
- Conceptual design and hydraulic analysis of infrastructure improvements necessary to share water among the WCCF utility members and seven agreements for infrastructure improvements in design, construction, or that have been completed
- Acquisition of water use permit and concentrated salt by-product of the treatment process disposal wells permit
- ROWTP construction permit
- Land acquisition to support phase I of the project including the osmosis water treatment facility site, four well sites, and pipeline easement
- Construction of one injection well for concentrated salt disposal which is a by-product of the treatment process
- Design of a second injection well for concentrated salt disposal
- 100% final design of water treatment facility
- Construction of 4 water supply wells completed
- Designed and are building raw water main to connect 4 supply well sites to the ROWTP site
- Construction of two concentrate disposal well completed
- Property Acquisition for the water treatment facility, 4 supply well sites and associated raw water main, concentrate disposal wells, and finished water piping

Reverse Osmosis Technology will be used to treat brackish water from the Lower Floridan Aquifer and provide up to 17 million gallons of potable water daily for Phase 1. Phase 2 will increase the treatment capacity up to 30-34 million gallons a day.

Environmental Benefits

- **Protects and Preserves** the Upper Floridan Aquifer
- Provides a **Sustainable Water** resource to meet future demands

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