



City of Stuart Alternative Water Supply – Phase III - \$500,000 Summary

As a result of continuing concerns regarding a long-term sustainable water supply in the City of Stuart that is susceptible to saltwater intrusion, contamination from per-fluorinating compounds, and other emerging contaminants, the Stuart City Commission authorized City Staff to move forward with an alternative water supply project by adopting Resolution 115-2017.

Phase III of the Alternative Water Supply Project includes modification to the City's existing Deep Injection Well 2 in order to accept the RO membrane treatment byproducts from the new RO Facility, as well as, replacement of the existing Deep Monitoring Well 1. Construction is expected to be completed by December 31, 2022.

Budget Request

The City of Stuart is seeking a legislative appropriation of \$500,000 for Phase III of the City's Alternative Water Supply Project. The overall project cost of Phase III is estimated at \$4,500,000. The City is providing matching funds in the amount of \$4,000,000.

Additional Information:

Phase I of the Alternative Water Supply Project included construction of a 1.0 million gallon per day Floridan Aquifer Water Supply Well and the design of the Reverse Osmosis (RO) Facility. Both construction of the water supply well and design of the RO Facility were completed in December 2020.

The City received \$250,000 from the Legislature for 1st phase of the project and dedicated \$3,900,000 in matching funds.

Phase II of the Alternative Water Supply Project included the construction of the RO Facility. The RO Facility included the wellhead for the Floridan well, raw water main, pre-treatment, membrane system, post-treatment, chemical systems, concentrate disposal pipeline, electrical/standby power, supervisory control and data acquisition system. Construction is expected to commence in October 2021 with completion anticipated in October 2023.

The City received \$1,000,000 from the Legislature for 2nd phase of the project and dedicated \$12,900,000 in matching funds.