

# GREEN MEADOWS WATER TREATMENT PLANT AND WELL FIELD EXPANSION (CMAR)



The 14 MGD Green Meadows Water Treatment Plant treats 3 groundwater sources using multiple treatment processes. Brackish groundwater from the Upper Floridan aquifer is treated by a 3-train 6 MGD reverse osmosis system. The highly organic surficial aquifer water is treated by a 10 vessel 4 MGD ion exchange system. Up to 4 MGD of fresh Sandstone aquifer water is blended together at the 16 MGD common degassifier & clearwell system to produce an extremely high quality, stable finished water. In addition to these primary treatment components the plant also includes: 15,000SF process building, 5,000SF office/operations building, standby generator, shared chemical systems, 7 sand strainers, backwash waste pumping station, a 2,873' deep injection well, 8 Floridan aquifer wells, modifications to 27 existing wells, 7 electrical buildings, 8 miles of production well piping, and 5 miles of service road to the production wells. Despite numerous obstacles including multiple wildfires, Category 3 Hurricane Irma, and the wettest January recorded the project team persevered to deliver a state-of-the-art treatment plant.



**CONTRACT VALUE**  
\$74.5 MILLION

**NEW PLANT CAPACITY**  
14 MGD

**UNDER BUDGET**  
\$1.5M RETURNED TO LEE COUNTY

**BUILT BY SWFL**  
75% OF WORKFORCE LOCAL TO SWFL



CONSULTANT ENGINEER



CONSTRUCTION TEAM



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