# 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



PRECONSTRUCTION SERVICES

MAY 2018

SUBSTANTIAL COMPLETION

AUG**2018** 

FINAL COMPLETION

### **CONSULTANT ENGINEER**







#### **CONSTRUCTION TEAM**



























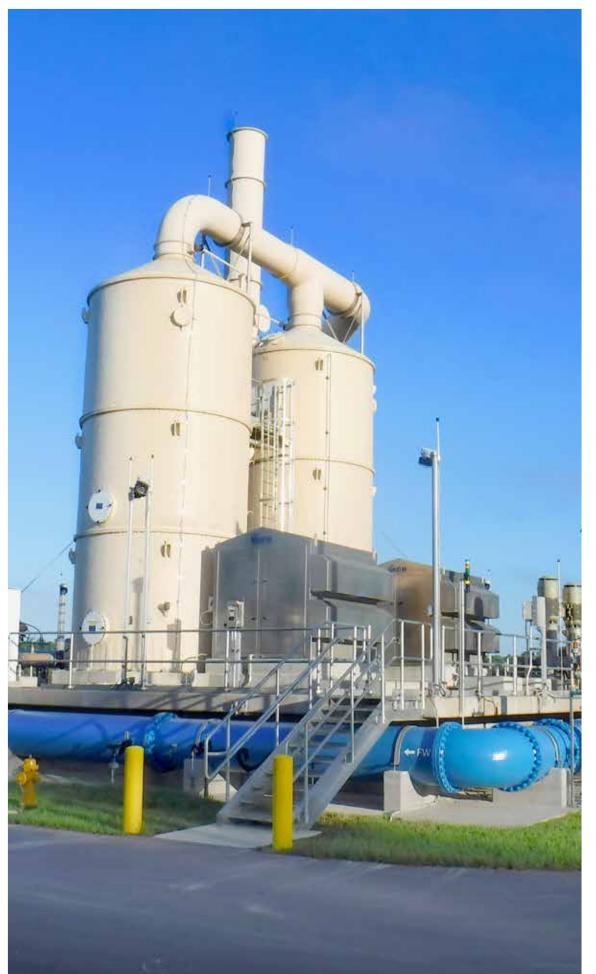














## **GREEN MEADOWS WATER TREATMENT PLANT** AND WELL FIELD EXPANSION (CMAR)

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** 

**BUILT BY SWFL** 

\$1.5M RETURNED TO LEE COUNTY

75% OF WORKFORCE LOCAL TO SWFL

JAN **2015** PRECONSTRUCTION **MAY2018** 



SUBSTANTIAL COMPLETION

FINAL COMPLETION

**CONSULTANT ENGINEER** 







#### **CONSTRUCTION TEAM**







































