

***PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY  
BOARD OF DIRECTORS MEETING  
June 1, 2022***

**ROUTINE STATUS REPORTS  
ITEM 4**

**Peace River Regional Reservoir No. 3 (PR<sup>3</sup>) Preliminary Engineering  
and Third-Party Review**

## ROUTINE STATUS REPORTS ITEM 4

### **Project Status Report**

**Project:** Peace River Regional Reservoir No. 3 (PR<sup>3</sup>) Project – Preliminary Engineering

**Date:** June 1, 2022

**Prepared by:** Terri Holcomb, PE, Director of Engineering

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### **Project Description**

The key to use of seasonally available surface water as a reliable public water supply is the ability to harvest and store large volumes of water during relatively short periods of availability. The Peace River facility utilizes off-stream raw water reservoirs, and an aquifer storage and recovery system to support use of supplies skimmed from the Peace River as an alternative water supply, reliably meeting much of the drinking water needs in the District's southern water planning area. The Peace River Reservoir No. 3 (PR<sup>3</sup>) Project will include a third off-stream raw water reservoir (minimum 6 BG capacity) at the Peace River site in DeSoto County, expanded river intake capacity and connecting pipelines.

The Reservoir No. 3 Project is supported by the Authority's Water Use Permit (20 010420.010) issued February 26, 2019 which authorized increasing the maximum daily withdrawal from the Peace River from 120 MGD to 258 MGD to enhance the capture and storage of excess flows during the wet season. The increase in withdrawal will facilitate gaining additional drinking water supply yield from this system. In addition, the Authority's 2020 Master Water Supply Plan identified an additional 15 MGD in alternative water supply capacity development is available from the Peace River Facility Expansion Project, inclusive of the PR3 Project. The Southwest Florida Water Management District is funding this portion of the PR3 Project in the amount of \$3,625,000.

### **Current status**

Work Order No. 2 'Peace River Regional Reservoir (PR<sup>3</sup>) Project Preliminary Design, Permitting and Third-Party Review' with HDR Engineering, Inc. includes environmental and geotechnical site characterization; 15% and 30% Design Documents; Development of the Basis of Design Report; environmental permit applications and mitigation strategy development. Board Approval of the Work Order No. 2 – Peace River Regional Reservoir (PR<sup>3</sup>) Project Preliminary Design, Permitting and Third-Party Review in the amount of \$7,249,966.00 occurred on February 3, 2022 with a completion date of June 31, 2023. The Project is currently on schedule and budget.

## Project History Briefing

**Project:** Peace River Regional Reservoir (PR3) Project Preliminary Design, Permitting and Third-Party Review

**Date:** June 1, 2022

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The following information summarizes the historical milestones and key events to date for Work Order No. 2 - Peace River Regional Reservoir (PR3) Project Preliminary Design, Permitting and Third-Party Review Project.

- February 2022** Board approved the Peace River Regional Reservoir (PR3) Project Preliminary Design, Permitting and Third-Party Review Work Order No. 2 on February 3, 2022.
- March 2022** The Site Characterization Task commenced with the Geotechnical Kick-Off meeting on March 1<sup>st</sup>. The Wetland Delineations began on March 17<sup>th</sup> and continued on March 18<sup>th</sup> and again on March 28<sup>th</sup> – 30<sup>th</sup>. The first Monthly Progress Meeting was held on March 17<sup>th</sup>. Geotechnical field investigations began on March 14<sup>th</sup> with the equipment being mobilized to the Reserve. Soil/auger borings and other geotechnical investigations will continue through June.
- April 2022** The Monthly Progress Meeting was held on April 14<sup>th</sup>. Wetland delineations continued April 11<sup>th</sup> – 14<sup>th</sup>; and April 20<sup>th</sup> – 22<sup>nd</sup>. Geotechnical field investigations continued throughout the month of April.
- May 2022** The Monthly Progress Meeting was held on May 10<sup>th</sup>. The Consultant held a System Conveyance Workshop on May 2<sup>nd</sup> with Operations, Engineering and Water Resources staff. An Environmental Permitting / Mitigation Strategy meeting was held virtually on May 12<sup>th</sup>. Geotechnical field investigations continued through the month of May.