

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

**ROUTINE STATUS REPORTS  
ITEM 3**

**Peace River Regional Reservoir No. 3 (PR<sup>3</sup>) Feasibility and Siting Study**

## **ROUTINE STATUS REPORTS ITEM 3**

### **Project Status Report**

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

**Date:** June 1, 2022

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

---

### **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 \$625,000.

### **Current status**

Work Order No. 1 'Siting and Feasibility Phase Services on the Peace River Regional Reservoir (PR<sup>3</sup>) Project' with HDR Engineering, Inc. includes wetland and floodplain mitigation evaluations; geotechnical and geological explorations and evaluations; identification and development of permitting plans; development of a decision support framework to evaluate Project alternatives, and production of a Feasibility and Siting Report. Board Approval of the Work Order No. 1 – Siting and Feasibility Phase Services in the amount of \$1,499,983.20 occurred on August 5, 2020 with a completion date of December 21, 2021. The Project is currently on schedule and budget.

## **Project History Briefing**

**Project:** Peace River Regional Reservoir No. 3 (PR3) Project

**Date:** June 1, 2022

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

---

The following information summarizes the historical milestones and key events to date of the Peace River Regional Reservoir No. 3 (PR3) Project.

- August 2020 Board approved the Agreement for Professional Services Related to the Peace River Regional Reservoir (PR3) Project with HDR Engineering as well as Work Order No. 1 – Siting and Feasibility Phase Services under the Agreement on August 5, 2020. Completion of the is Work Order is December 2021 and has a fee in the amount of \$1,499,983.20.
- September 2020 Project Kick-Off and Chartering Meeting was held on September 3, 2021 at the PRF/virtually. HDR, SWFWMD, and Authority staff were present. An Environmental Reconnaissance/Site Visit to the RV Griffin Reserve was performed by HDR on September 22, 2020.
- October 2020 The Decision Criteria and Weighting Workshop was held on October 1st and 2nd at the finish tower at Nathan Benderson Park in Sarasota. The first PR3 Project progress meeting was held on October 7th, followed by the first Environmental Investigation Workshop, held virtually and in person at the PRF.
- November 2020 Monthly Progress Meeting was held on November 12<sup>th</sup> with a meeting to review the draft presentation for the December Board meeting following. Data Requests and Report Collection activities continued through November.
- December 2020 A Project Update/Presentation was made to the Board on December 2nd. Technical Memorandum No. 2.1 was received on December 10th. Monthly Progress Meeting was held on December 10th followed by the Intake Siting Workshop. The Workshop was held at the PRF/virtually. HDR, SWFWMD, and Authority staff were present.
- January 2021 The Monthly Progress Meeting was held on January 14<sup>th</sup>, followed by the Hydraulics/Operational Considerations Workshop. The Workshop was held at the PRF/virtually. HDR, SWFWMD and Authority staff were present.
- February 2021 Three initial hydraulic configurations options were provided to the Authority for review and comment on February 5<sup>th</sup> with comments provided to HDR on February 23<sup>rd</sup>. On February 10<sup>th</sup> a virtual project overview/introduction meeting

was held with FDEP Dam Safety and Program Administration staff from Tallahassee and Fort Myers. The Monthly Progress Meeting was held on February 11<sup>th</sup>.

- March 2021  
The Consultant was on-site at the RV Griffin Reserve for their 3<sup>rd</sup> field review on March 9<sup>th</sup>. Following the Monthly Progress Meeting held on March 11<sup>th</sup>, a virtual meeting was held with representatives from CHNEP to identify any opportunities for regional mitigation partnerships.
- April 2021  
A Draft Report on the Reservoir Siting Alternatives and Initial Consideration was received on April 2<sup>nd</sup> for Review. The Monthly Progress Meeting was held on April 14<sup>th</sup> in conjunction with a presentation on the Envision Certification Program. A pre-application meeting with the FDEP was also held on April 14<sup>th</sup>. The Draft Technical Memorandums on System Configuration Hydraulic Evaluations and Water Quality Considerations (Tasks 5.2 and 5.3 respectively were received on April 23<sup>rd</sup>. Received response on April 30<sup>th</sup> from FDEP confirming Alternative sites 1,2 and 3 for the intake and pump station along the Peace River would be retained by the ASACE – Site 4 (Jernigan Road) would fall under the FDEP review.
- May 2021  
The Monthly Progress Meeting was held on May 13<sup>th</sup>. The Draft Technical Memorandum on Cultural Resources and Permitting Plan (Task 3.3 and 3.4 Respectively) was received on May 13<sup>th</sup>.
- June 2021  
The Monthly Progress Meeting was held on June 10<sup>th</sup>. Meeting with Florida Fish & Wildlife June 16<sup>th</sup> to discuss restoration opportunities on Orange Hammock Ranch. Decision criteria workshop held at the PRF June 29 & 30. Received draft Technical Memorandum on property acquisition considerations June 25<sup>th</sup> and Construction Considerations and Access on June 30<sup>th</sup>.
- July 2021  
Received Tech Memo on potential floodplain impacts from new reservoir and intake development on July 7. Project Meeting on intake siting held July 29.
- August 2021  
The Monthly Progress Meeting was held on August 12<sup>th</sup>, 2021. The following deliverables were received:  
August 19: Final TM No. 6 – Property Acquisition and Considerations  
August 23: Final TM No. 4 – Geologic and Geotechnical Considerations  
August 27: Final TM No. 3.3\_3.4 – Cultural Resources and Permitting  
August 27: Final TM No. 3.5 – Wetland Evaluation and Wildlife Assessment  
August 30: Final TM on Floodplain and Floodway Impacts  
August 31: Final TM No. 3.2 – Environmental Impacts and Mitigation Opportunities
- September 2021  
The Monthly Progress Meeting was held on September 9<sup>th</sup>, 2021. The following deliverables were received:  
September 10: Final TM No. 7 – Construction Considerations  
September 15: Draft TM No. 5 – Hydraulics, Water Quality and Operational Considerations

September 15: Draft TM No. 2.2 – Decision Support for Alternatives Evaluation

- October 2021 The Monthly Progress Meeting was held on October 7, 2021. The following deliverables were received:  
October 25: Final TM No. 2.2 – Decision Support for Alternatives Evaluation
- November 2021 The following deliverables were received:  
November 2: Draft Feasibility and Siting Report  
November 3: Presentation at Professional Staff Meeting to provide a progress update on the project
- December 2021 A Project Update/Presentation on the Final Feasibility and Siting Study was made to the Board on December 1<sup>st</sup>. A follow-up pre-application meeting with USACE was held on December 9<sup>th</sup>. The Consultant submitted a final copy (pdf) of the Feasibility and Siting Study on December 27<sup>th</sup>, 2021.
- January 2022 Consultant began Caracara field investigations on January 5<sup>th</sup> and continued on-site January 20<sup>th</sup>, 2022.
- February 2022 Consultant Team Continues to complete the Caracara field investigations. Additional field studies were completed on February 3<sup>rd</sup> and February 17<sup>th</sup>, 2022.
- March 2022 Consultant Team Continues to complete the Caracara field investigations. Additional field studies were completed on March 3<sup>rd</sup>, March 16<sup>th</sup> and March 31<sup>st</sup>, 2022.
- April 2022 Consultant Team Continues to complete the Caracara field investigations. Additional field studies were completed on April 14<sup>th</sup> and April 28<sup>th</sup>, 2022.
- May 2022 Consultant Team Completing the Protected Species - Caracara Study, development.