

***PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
October 1, 2021***

**ROUTINE STATUS REPORTS
ITEM 3**

Peace River Regional Reservoir No. 3 (PR³) Feasibility and Routing Study

ROUTINE STATUS REPORTS ITEM 3

Project Status Report

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

Date: October 1, 2021

Prepared by: Terri Holcomb, PE, Resource Management and Planning Manager

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 (PR³) 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 (PR³) 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: October 1, 2021

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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 12th 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 14th, 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 5th with comments provided to HDR on February 23rd. On February 10th 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 11th.
- March 2021 The Consultant was on-site at the RV Griffin Reserve for their 3rd field review on March 9th. Following the Monthly Progress Meeting held on March 11th, 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 2nd for Review. The Monthly Progress Meeting was held on April 14th in conjunction with a presentation on the Envision Certification Program. A pre-application meeting with the FDEP was also held on April 14th. The Draft Technical Memorandums on System Configuration Hydraulic Evaluations and Water Quality Considerations (Tasks 5.2 and 5.3 respectively were received on April 23rd. Received response on April 30th 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 13th. The Draft Technical Memorandum on Cultural Resources and Permitting Plan (Task 3.3 and 3.4 Respectively) was received on May 13th.
- June 2021 The Monthly Progress Meeting was held on June 10th. Meeting with Florida Fish & Wildlife June 16th 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 25th and Construction Considerations and Access on June 30th.
- 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 12th, 2021. The following deliverables were received:
 - ✓ August 19th: Final TM No. 6 – Property Acquisition and Considerations
 - ✓ August 23rd: Final TM No. 4 – Geologic and Geotechnical Considerations
 - ✓ August 27th: Final TM No. 3.3_3.4 – Cultural Resources and Permitting Plan
 - ✓ August 27th: Final TM No. 3.5 – Wetland Evaluation and Wildlife Assessment
 - ✓ August 30th: Final TM on Floodplain and Floodway Impacts
 - ✓ August 31st: Final TM No. 3.2 – Environmental Impacts and Mitigation Opportunities

- September 2021 The Monthly Progress Meeting was held on September 9th , 2021. The following deliverables were received:
 - ✓ September 10th: Final TM No. 7 – Construction Considerations
 - ✓ September 15th: Draft TM No. 5 – Hydraulics, Water Quality and Operational Considerations
 - ✓ September 15th: Draft TM No. 2.2 – Decision Support for Alternatives Evaluation