

***PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
April 3, 2024***

**ROUTINE STATUS REPORTS
ITEM 3**

Peace River Regional Reservoir No. 3 (PR3) – Project Update

ROUTINE STATUS REPORTS ITEM 3

Project Status Report

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

Date: April 3, 2024

Prepared by: Terri Holcomb, PE, Director of Engineering

Project Description

The key to the 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 the 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 and the water treatment plant expansion, now called the "Surface Water Supply Expansion Project" 0. The Southwest Florida Water Management District is funding the Final Design and Construction portion of the PR3 Project in the amount of \$115,700,000.

Current status

Work Order No. 3 'Peace River Regional Reservoir No. 3 (PR3) Final Design and Permitting with HDR Engineering, Inc. includes environmental and geotechnical site characterization; 60%, 90%, 100% and Ready to Advertise Design Documents; Environmental Permitting efforts to secure the ERP and development of mitigation design documents to support the ERP. Board Approval of Work Order No. 3 – Peace River Regional Reservoir No. 3 (PR3) Final Design and Permitting in the amount of \$8,408,449 was approved at the October 4, 2023, Board Meeting.

The Construction Management at Risk (CMAR) Contract for the PR3 Pumping and Conveyance Facilities was approved at the December 6, 2023, Board Meeting and included a Scope of Services for Phase 1A Services in the amount of \$1,251,900.

Project History Briefing

Project: Peace River Regional Reservoir (PR3) Project Update

Date: April 3, 2024

Prepared by: Terri Holcomb, PE, Director of Engineering

The following information summarizes the historical milestones and key events to date for the Peace River Regional Reservoir No. 3 (PR3) Project, including Work Order No. 2 - Peace River Regional Reservoir (PR3) Project Preliminary Design, Permitting and Third-Party Review; Work Order No. 3 – Final Design and Permitting and the Phase 1A Services Package for CMAR services for the PR3 Pumping and Conveyance Facilities – preconstruction phase.

- 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 1st. The Wetland Delineations began on March 17th and continued on March 18th and again on March 28th – 30th. The first Monthly Progress Meeting was held on March 17th. Geotechnical field investigations began on March 14th, 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 14th. Wetland delineations continued April 11th – 14th, and April 20th – 22nd. Geotechnical field investigations continued throughout the month of April.
- May 2022** The Monthly Progress Meeting was held on May 10th. The Consultant held a System Conveyance Workshop on May 2nd with Operations, Engineering, and Water Resources staff. An Environmental Permitting / Mitigation Strategy meeting was held virtually on May 12th. Geotechnical field investigations continued through the month of May.
- June 2022** The Monthly Progress Meeting was held on June 9th, 2022. Geotechnical and Environmental field investigations continued through the month of June. A site visit to the existing intake structure was held on June 2 by the Consultant Team to coordinate siting and intake orientation design efforts.
- July 2022** The Monthly Progress Meeting was held on July 14, 2022. 15 % Design Drawings and Basis of Design Report was received on July 15th, 2022. On July 25th, a Communications Workshop was held to review the Authority's

goals and messaging objectives for the PR3 Project. Authority staff met with FWC staff in Tallahassee on July 27th to discuss the benefits of restoration efforts on Orange Hammock.

August 2022

A 15% Design – Review Workshop was held on August 16th with Consultant and Authority Staff to go over comments from Authority staff on the conceptual design. The Monthly Progress Meeting was held on August 18th via MS Teams in conjunction with a meeting on the conceptual, preliminary mitigation strategy. The consultant attended a discussion on the preparation of presentation items for the upcoming Professional Staff Meeting. The Consultant provided a 15% Cost Estimate for the PR3 Project on August 31st and also provided an MS Teams presentation on the basis of the estimates on August 31st.

September 2022

The Consultant presented an update on the PR3 Project – 15% Preliminary Design Milestone at the Professional Staff Meeting held on September 7th in Sarasota County. The Consultant provided a Communications Project Fact Sheet on the PR3 Project on September 12th. The Consultant performed additional geotechnical work, including piezometer water quality testing on the PR3 site on September 15th.

October 2022

The Consultant presented an update on the PR3 Project – 15% Preliminary Design Milestone at the Board Meeting on October 5, 2022. The Consultant held a meeting on October 11th to discuss conceptual ERP Permitting strategy and milestones. A 15% Design Review Workshop was held at the PRF on October 18th to review comments received on the 15% Design Plans and Cost Estimate and was in conjunction with the Monthly Progress Meeting. On October 25th, the Consultant held meetings on easement acquisition and mitigation efforts.

November 2022

The Consultant held a 30% Design and Conveyance Pipeline Workshop at the PRF on November 1st. A PR3 Cost Savings Alternative Discussion was held on November 9th. The Monthly Progress Meeting was held on November 10th. A Preliminary Design Cost Reduction Measure Memorandum was received on November 16th.

December 2022

On December 1st, the Consultant Team held a preparation meeting for FDEP pre-application meeting held on December 6th. A Permitting Coordination Meeting was held with Authority staff and GC on December 9th. On December 12th, Authority staff met to discuss delivery methods for both the PR3 Project and the WTP Expansion Project. On December 14th – PR3 Project Manager and Authority Project Manager met to discuss obtaining a sub-consultant to assist with permitting agency coordination. There was no monthly progress meeting held in December.

January 2023

The monthly progress meeting was held on January 12th. On January 20th,

The Consultant met with Green Source to develop a scope and fee for assistance with environmental permitting coordination.

- February 2023** The monthly progress meeting was held on February 15th. A meeting was held on February 13th to discuss the wetland mitigation approach and recent field investigations. Ongoing species surveys and geotechnical investigations occurred throughout the month.
- March 2023** The monthly progress meeting and 30% design review workshop were held on March 20th. The 30% design deliverables were delivered on March 10th. A follow-up meeting on wetland mitigation and permitting updates was held on March 14th.
- April 2023** The 30% Design Progress Update was presented to the Board at the April 5th meeting. The monthly progress meeting was held in conjunction with the SWFWMD Third-Party Review Kick-Off meeting held on April 14th. A Preapplication Meeting with the Army Corp of Engineers (ACOE) was held on April 13th to discuss Section 404 and the ERP Permitting approach.
- May 2023** A meeting with FDEP was held on May 2nd to discuss the environmental permitting approach for the CDV site. The Third-Party Review Draft Comments meeting was held with the SWFWMD and TPR Consultant on May 15th. The monthly progress meeting was held in conjunction with the 30% Design Review Workshops. The Reservoir Design Workshop was held on May 23rd and the Pipeline Design Workshop was held on May 24th.
- June 2023** A meeting was held on June 2nd to review the FDEP 404 Preapplication strategy. The monthly progress meeting was held on Thursday, June 8th. A 30% Design Review discussion was held with the SWFWMD on June 19th. A follow-up to the June 2nd FDEP permitting meeting was held on June 21st. A meeting was held with the Consultant on June 22nd to review the Demand Projections Technical Memorandum. A meeting was held on June 30th to coordinate the Design/Permitting team for the July 12th FDEP 404 Preapplication Meeting.
- July 2023** A meeting was held on July 6th to coordinate the Team for the July 12th FDEP 404 Preapplication Meeting. A meeting with FDEP was held on July 12th. The PR3 CMAR Mandatory Pre-SOQ Meeting was held on Friday, July 14th. The Monthly Progress Meeting was held on July 18th. An ERP pre-application meeting was held with the SWFWMD on July 31st.
- August 2023** ERP coordination meetings were held on August 3rd, 16th, and 30th for the ERP Application Submittal on September 15th. The PR3 CMAR SOQs

were submitted on August 17th, and 4 Firms submitted them: Archer Western, Garney, Kiewit, and PCL. The PSEC meeting to review, rank, and shortlist the firms was held on August 29th – all four firms were recommended to proceed to the Presentation.

- September 2023** ERP coordination meetings were held on September 7th and September 14th. The PR3 CMAR SOQ PSEC presentations were given on September 12th, with the following rankings: Archer Western, PCL, Garney, and Kiewit. The staff recommendation to approve Archer Western as the selected CMAR Firm for the PR3 Project will go to the October 4th Board Meeting. The ERP Package was submitted to the SWFWMD on September 15th – completing the final deliverable for the Preliminary Design efforts. The Monthly Progress meeting was held on September 14th. Work Order No. 2 – Preliminary Design and Permitting Services was completed.
- October 2023** On October 4, 2023, the Board approved Work Order No. 3 – Final Design and Permitting for the Project. On October 11th, the Authority and Archer Western met for a scoping meeting to discuss items that the CMAR would need to include in their 1st Early Contractor Engagement Scope of Services. On October 30th, Authority staff, consultants, and representatives from SWFWMD met to review the ERP package submitted on September 15th to the District.
- November 2023** On November 13, 2023, a Final Design and Permitting Project Kick-off meeting was held with the Consultant at the PRF. On November 14th, the second scoping meeting with Archer Western was held to finalize the CMAR Scope of Services and Fee for Package 1A of the CMAR Contract for the PR3 Pumping and Conveyance Facilities Project. An ERP coordination discussion with SWFWMD, HDR, and the Authority was held on November 27th. A PR3 CMAR Workshop with Archer Western, HDR, and Authority Staff was held on November 28th.
- December 2023** The Construction Management at Risk (CMAR) Contract for the PR3 Pumping and Conveyance Facilities was approved at the December 6th, 2023, Board Meeting and included a Scope of Services for Phase 1A Services in the amount of \$1,251,900. The Monthly Progress Meeting was held on December 15th. A PR3 CMAR Team Leader Meeting was held on December 12th. The PR3 Pump Station Design Workshop was held on December 15th. The PR3 Environmental Permitting Coordination Meeting was held with SWFWMD, HDR and the Authority on December 15th.
- January 2024** The PR3 CMAR Team Leader Meeting was held on January 2nd. A PR3 Filling, Permitting, and Mitigation Discussion was held with the CMAR, HDR, and Authority staff on January 5th. A PR3 CMAR Team Leader Meeting was held on January 9th. A PR3 VE/Constructability Workshop

was held on January 10th. A Civil/Reservoir Design Workshop Was held on January 11th. A PR3 Permitting Meeting with HDR and Black and Veatch (FDEPs Consultant for the Dam Safety Review of the ERP) was held on January 12th. A PR3 CMAR Team Leader meeting was held on January 16th. A PR3 River Intake Design Discussion was held on January 18th. The PR3 Environmental Permitting Coordination Meeting was held with SWFWMD, HDR, and the Authority on January 22nd. A PR3 CMAR Team Leader meeting was held on January 23rd. A PR3 CMAR Scheduling Workshop was held on January 26th in conjunction with the HDR Team and Authority staff. A PR3 CMAR Team Leader meeting was held on January 30th.

February 2024

A meeting was held on February 5th with the CMAR to discuss the three cost models being developed for the PR3 Project. The Weekly CMAR Team Leadership meetings were held on February 6th and 13th. The Monthly Progress Meeting was held on February 8th. The PR3 ERP Monthly Meeting with SWFWMD and FDEP was held on February 26th.

March 2024

A PR3 Value Engineering Workshop was held on March 5th. The Weekly CMAR Team Leadership meetings were held on March 12th and March 19th. The Monthly Progress meeting was held on March 14th. An Instrumentation and Control Workshop was held on March 14th. The 30% CMAR Cost Estimates for the PR3, PRF Expansion, and BWRO Projects were received on March 15th. The SWSEP Electrical Master Plan Meeting was held on March 19th.