

STAFF MEMORANDUM

TO: Board of Mayor and Aldermen
FROM: Dan Allen, Assistant City Administrator, General Manager Water; Will Brasfield, Assistant General Manager - SPARTAN
DATE: 7/15/2026
SUBJECT: Adoption of the Basis of Design Report and Authorization to Proceed with Final Design – Advanced Purification Facility Pilot Project

RECOMMENDATION: Approve the adoption of the Basis of Design Report (BODR) for the Advanced Purification Facility (APF) Pilot Project and authorize Spring Hill Water staff and the project engineering team to proceed with final design.

BACKGROUND: The Advanced Purification Facility (APF) Pilot Project is a key component of Spring Hill Water's long-term strategy to develop a sustainable, drought-resilient drinking water supply that will support the City's continued growth. The pilot facility will evaluate advanced purification technologies using treated effluent from the City's Water Reclamation Facility and generate the operational and performance data necessary to support future regulatory approval and implementation of a full-scale Advanced Purification Facility.

The project engineering team has completed the Basis of Design Report (BODR), which establishes the recommended treatment process, design criteria, major equipment, operational philosophy, and overall technical approach for the pilot facility. The BODR represents the completion of the preliminary engineering phase and provides the technical foundation for preparation of the final construction documents.

Board adoption of the Basis of Design Report establishes the approved technical basis for design but does not authorize construction of the pilot facility. Construction authorization will be presented to the Board upon completion of design, permitting, and cost estimating. Approval of this item will authorize Spring Hill Water staff and the engineering team to proceed with final design in accordance with the adopted Basis of Design Report.

FINANCIAL IMPACT: No additional financial impact as part of this action.

SUPPORTING DOCUMENTS: Basis of Design Report (BODR) for Advanced Purification Facility Pilot Project



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