

**Metropolitan Domestic Water Improvement District
Board of Directors Meeting**

September 9, 2024

Approval of the Generator Purchase for the Ironwood Blend Well

Synopsis

The Board is being requested to approve the purchase of the generator set and automatic transfer switch for the Ironwood Well utilizing Sourcewell cooperative purchasing.

Background

The Northwest Recharge, Recovery and Delivery System (NWRDRS) will recover Central Arizona Project (CAP) water that has been recharged at facilities in Avra Valley and transport the recovered water through the NWRDRS system to a shared forebay reservoir. Water will be moved from the forebay reservoir to the District through an independent booster station and transmission main.

In December 2019, the Board authorized a blend study to evaluate opportunities to maximize the annual quantity of recovered CAP water through NWRDRS while maintaining water hardness targets. The study concluded a well located in the vicinity of the Ironwood school would enable the District to achieve those objectives. In July 2022, the Board authorized the acquisition of the Ironwood well site.

On November 14, 2022, the Board adopted Resolution 2022-14, authorizing the General Manager and Chief Financial Officer to incur debt through the execution of a Water Infrastructure Finance Authority of Arizona (WIFA) loan agreement for construction of the Ironwood Blend Well and Collector Pipeline. At that same meeting, the Board awarded the construction contract for drilling the Ironwood Well, which has been completed. The final design report for the well drilling was received May 20, 2024.

On October 11, 2023, the Board of Directors authorized staff to use Sourcewell for cooperative purchasing as needed.

Staff completed the design of the well collector pipeline and a construction contract was authorized by the Board on December 11, 2023. Construction of that pipeline is substantially complete, with only the final project closeout remaining.

Staff is finalizing the design for the well equipping and on July 8, 2024 the Board authorized an agreement for the well electrical and security design. The electrical and security design is anticipated to take up to 12 weeks to complete.

Issues

The supply chain is still a challenge for a number of items needed for this project resulting in long lead times, with the longest lead time of at least 21 weeks associated with the generator set and automatic transfer switch.

Staff is also obtaining quotes for other long lead elements including, electrical equipment and panels, security components, magnetic flow meter, well column pipe, ductile iron pipe, and telemetry components. A request for acquisition of these materials will be presented to the Board at the October meeting.

The Ironwood Well equipping is budgeted in the Capital Improvement Program for Fiscal Year 2025.

Staff Recommendation

It is recommended by staff that the Board authorize the purchase of the generator set and automatic transfer switch utilizing Sourcewell cooperative purchasing in an amount not to exceed \$105,000. This includes the August 29, 2024 quote of \$88,795 plus \$16,205 to cover taxes, costs for offloading and rigging, and any unforeseen price changes.

Suggested Motion

I move to approve and authorize staff to purchase the generator set and automatic transfer switch for the Ironwood Well utilizing Sourcewell cooperative purchasing in an amount not to exceed \$105,000.

Respectfully submitted,

Sheila M. Bowen, P.E.
District Engineer

I concur with the above-noted recommendation.
Respectfully submitted,

Joseph Olsen, P.E.
General Manager