

2024 Annual Report, WSF #10018 Pender Ion Exchange Upgrade

The completion date for this project was spring 2023. This is the final reimbursement request and the remainder of the grant can be returned.

The purpose as we outlined in the initial report was that The Village of Pender requested cost share through the Water Sustainability Fund to refurbish our existing ion exchange vessels. Refurbishment of the vessels involved the exact replacement of the previously approved and installed ion exchange media in accordance with the AWWA B100- 2016 Standard for filter material. Other materials provided were a 15" layer of support gravel, a 48" layer of high-capacity cation resin, 110 underdrain nozzles, four (4) manway gaskets, and new polyvinyl chloride (PVC) brine grids. This project helped the Village of Pender break their cycle of purchasing excessive amounts of salt and resume normal operation of their water treatment plant. Water savings resulting from this project are 1,056,000 gallons per month, which benefited both the aquifer and hydrologically connected Logan Creek Dredge.

Annual Report Respectfully Submitted by Agreement Manager, Pender Village Deputy Clerk
Kylce Riggs

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6/6/2024