



FACT SHEET

JORDAN WATER INFRASTRUCTURE

2018-2022 • \$49.6 million • Partners: CDM International Inc., Ministry of Water and Irrigation, Water Authority of Jordan, Jordan Valley Authority, Ministry of Environment, Miyahuna, Yarmouk Water Company, Aqaba Water Company, Aqaba Special Economic Zone Authority

BACKGROUND

Jordan is one of the most water-scarce countries in the world. A rapidly growing population and changing climate strain the already shrinking water resources. Jordan's water systems provide comprehensive service coverage throughout the Kingdom, but water supplies are not always constant. Aging infrastructure results in significant water loss. Jordan requires expansions and upgrades to water treatment plants, sewer systems, and wastewater treatment plants in order to cope with the growing demand for diminishing groundwater resources and to strengthen Jordan's water security.

PROJECT OVERVIEW

USAID's Jordan Water Infrastructure Activity works with the Ministry of Water and Irrigation and water utilities to increase water supply, improve sanitation, reuse water, build the capacity of water sector utilities, and attract investments to the sector. It provides architectural, engineering and construction management services including assessments, feasibility studies, designs, tender documents, capacity building, operations and maintenance, customer service, and financial support.

NOTEWORTHY ACHIEVEMENTS

- USAID developed the Build-Operate-Transfer request for proposals for the "Aqaba Amman Water Desalination and Conveyance Project." The project will supply Jordan with 250 million cubic meters of desalinated Red Sea water per year, enough to supply water to 6.8 million people. The conveyance system will carry potable water 350 kilometers from Aqaba

to Amman. Phase One of the project will provide potable water to 3 million people annually starting in 2025.

- Enhanced the operational capacity within the Zara-Ma'in Water System by installing pump stations along the water conveyance system. The initial work will help maintain a constant water supply to over 400,000 people in Amman. Upon the completion in 2021, the system will supply water to an additional 1.3 million people.
- Provided construction management services for a US Department of Agriculture project to develop six deep groundwater wells of 1,250 meters depth in Hasa/Khan Az Zabeyb, and began testing the water quantity and quality. The activity will provide water to an additional 228,000 people in Amman when completed in 2023.
- Conducted assessments and prepared feasibility studies, designs, and tender documents with the Ministry of Water and Irrigation to increase investments in the water sector. As a result, the project mobilized USD 172.5 million from the European Investment Bank, Japan International Cooperation Agency, and the French Development Agency. These investments will fund the construction of a new water treatment plant, supply distribution system and wastewater treatment plant to serve Dair Alla and Al Karamah. Investments will also fund expansions of the Zai Water Treatment Plant and the Ramtha Wastewater Treatment Plant.
- Responded to the COVID-19 pandemic by giving the Ministry of Water and Irrigation the ability to monitor wastewater for COVID-19 that can provide crucial warnings of virus outbreaks. The project trained six laboratory technicians to handle and test samples and developed a roadmap for the wastewater-based surveillance plan for Covid-19 in Ain Ghazal sewer service area.
- Trained seven Jordanian engineers from the Ministry of Water and Irrigation and water utilities on water sector planning and design, and operations and maintenance activities. Training will enhance their ability to efficiently and effectively manage water facilities.
- Provided construction management services for the Tafileh and Aqaba Wastewater Treatment Plants, which will improve the sanitation services for 218,000 people in southern Jordan when construction is completed in 2021.

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