

TOWN OF
Sahuarita

Project Renewals

March 25, 2019



“We never know the worth of water until the well is dry.” – Thomas Fuller

As desert dwellers, we all understand the importance of water. We also know that our aquifer in the Sahuarita and Green Valley area is declining.



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At some locations, well water levels have dropped by as much as 150' in the last 50 years due to agriculture, mining and the increased demands of residents and businesses.



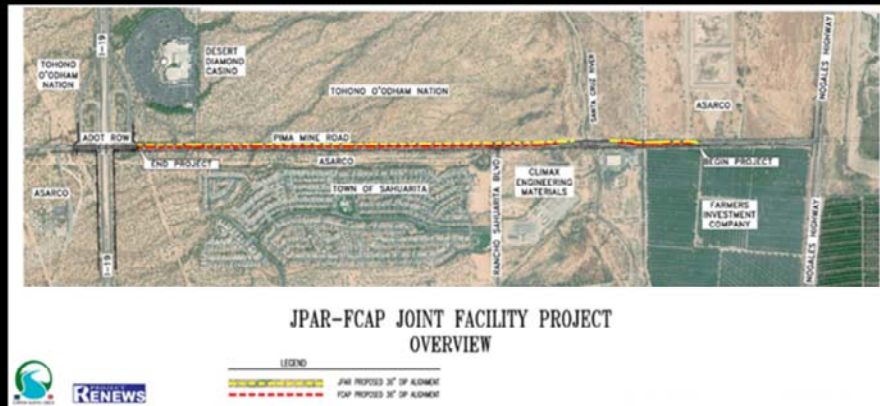
Project Description

- The JPAR project starts at the CAP connection at I-19 and Pima Mine Road the pipeline will then extend eastward to Nogales Highway, then south along Nogales Highway to Old Nogales Highway, and then continues south along Old Nogales Highway for about a mile.
- The 36-inch diameter pipeline ends adjacent to the proposed Community Water recharge site to the west of Old Nogales Highway.
- Overall the project includes 9.8 miles of pipeline.
- The FICO project begins at the same CAP connection and extends east towards Nogales Highway. Prior to Nogales Highway the water line diverts into the pecan groves. The majority of the project from that point on is within farm property.
- Crossings of Nogales Highway and Sahuarita Road have already been constructed to provide access to these portions of the pecan groves.



The yellow line delineates the complete JPAR project, the red line the complete FICO project.

Currently Under Construction



- Almost 2-miles of joint trench 36-inch pipelines along the north side of Pima Mine Road
- FICO line to provide CAP water for irrigation

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To ensure a future supply of drinking water, Community Water is working to halt the water table decline in the Upper Santa Cruz area.



Community Water has designed a water delivery system that will transport its CAP water allocation from the CAP terminus, at Pima Mine Road and I-19, to a recharge basin located on Old Nogales Highway.

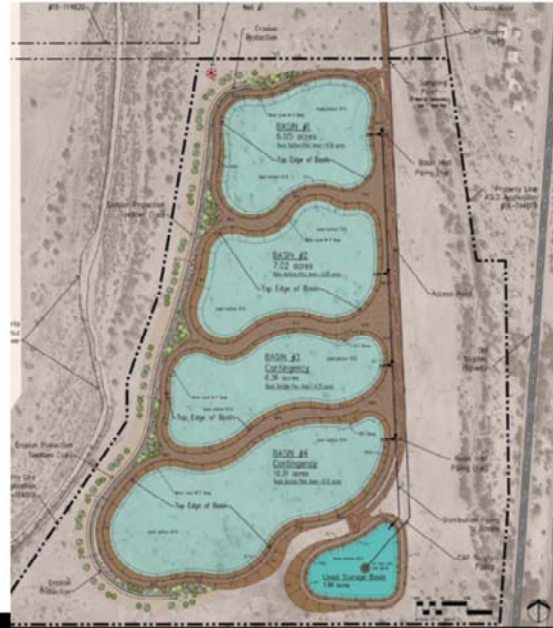
The project also includes an emergency diversion to connect the pipeline to Community Water's Well #11.

If there is ever a drinking water emergency the CAP water could be diverted to this well and associated purification plant.

Design capacity of 28,000 acre-feet per year.

Recharge Basin

- AZ State Land
- 72 acre site
- 27 acres of recharge
- Basins designed in a natural, organic shape with flatter slopes compatible with shorebird habitats





Construction Dates

- Pima Mine Road Bridge - 2015
- I-19 Pima Mine Road Crossing - 2016
- CAP Terminus North Connection - 2018
- Joint Facilities Project – 2019
- Plan Submission – Phase II of JPAR pipeline– late 2019
- Basin Plan Submission – early 2020
- Construction of Phase II – 2020
- Basin Construction – 2020/2021

