

2014 Drought Relief Project

Rosedale-Rio Bravo Water Storage District
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Rosedale-Rio Bravo Water Storage District
Kern County, California

monitoring of project performance and evaluation will be conducted to determine actual water conservation and energy benefits.

As with most major projects, many aspects or details from each of the listed steps require parallel progression and overlap is necessary to produce an efficient project schedule. It is estimated that the Project will be completed in approximately 12-20 months with portions of the groundwater recovery available as early as February 2014.

This project consists of the following specific components:

- 1. Western Well Field** – RRBWSD currently operates approximately 1,400 acres of groundwater recharge ponds to support local groundwater pumpers and banking partners. The existing Western Ponds comprise approximately 375 acres and have recharged up to 40,000 AFY. This component involves the construction of three (3) 500-800 foot deep high efficiency recovery wells capable of up to 3500 gpm each. This will allow RRBWSD to recover up to 6000 AFY for its and its banking partner dry-year demands. 6,700 feet of new conveyance pipeline will be constructed to convey water from the three wells to an existing pipeline and West Intake Canal that is connected to the Cross Valley Canal which is capable of delivering water to both the California Aqueduct and Friant-Kern Canal.
- 2. Superior Well Field** – RRBWSD currently operates approximately 1400 acres of groundwater recharge ponds to support local groundwater pumpers and banking partners. The existing Superior Ponds comprise approximately 600 acres and have recharged up to 65,000 AFY. This component involves the construction of three (6) 500-800 foot deep high efficiency recovery wells capable of up to 3500 gpm each. This will allow RRBWSD, CLWA, and IRWD to recover up to 18,000 AFY for its and its banking partner dry-year demands. 13,000 feet of new conveyance pipeline will be constructed to convey water from the six wells to the Central Intake Facility (component 4) that will be connected to the Cross Valley Canal (via component 5) which is capable of delivering water to both the California Aqueduct and Friant-Kern Canal.
- 3. Stockdale East Well Field** – RRBWSD currently operates approximately 1400 acres of groundwater recharge ponds to support local groundwater pumpers and banking partners. The, to be constructed Stockdale East Ponds (component 6) will comprise approximately 200 acres and will be able to recharged up to 19,000 AFY. This component involves the construction of three (2) 500-800 foot deep recovery high efficiency wells capable of up to 3500 gpm each. This will allow RRBWSD to recover up to 6000 AFY for its and its banking partner dry-year demands. 3,200 feet of new conveyance pipeline will be constructed to convey water from the two wells to the Central Intake Facility (component 4) that will be connected to the Cross Valley Canal (via component 5) which is capable of delivering water to both the California Aqueduct and Friant-Kern Canal.