



**SAN SEVAINE IMPROVEMENTS PROJECT  
PROJECT NO. EN13001  
STATUS UPDATE: JULY 8, 2021**

As part of the 2013 Amendment to the 2010 Recharge Master Plan Update (RMPU), this Project will evaluate, design, and construct basin improvements needed to maximize infiltration and recharge capture at the San Sevaire Basins. The final recommendation from the preliminary development report proposes to implement: (1) a new stormwater / recycled water pump station in Basin 5, (2) directly tying it into an existing RW pipeline, (3) place new pipelines and headwalls into Basins 1, 2, and 3, and (4) install monitoring wells and lysimeters. The proposed improvements will add 642 acre-feet per year of stormwater and 4,100 acre-feet per year of recycled water for groundwater recharge.

**Schedule:**

<u>Project Budget</u>	<u>Actual Cost to Date</u>
\$6,460,000	\$6,236,435

<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Pre-design	10/01/12	05/14/15	Completed	\$160,000	\$159,898
Environmental Impact	06/26/13	01/20/16	Completed	\$30,000	\$24,283
Design	05/15/15	12/12/16	Completed	\$500,000	\$555,899
Permits	05/15/13	01/31/18	Completed	\$25,000	\$25,000
Bid and Award	12/13/16	09/20/17	Completed	\$5,000	\$5,000
Construction	09/21/17	01/31/19	Completed	\$5,740,000	\$5,466,355
Minor Task/Warranty	02/02/19	Pending	In-Progress		
				\$6,460,000	\$6,236,435

**Grant/Loan Update:**

Awarded a \$750,000 state grant from the Department of Water Resources through the Santa Ana Watershed Project Authority as part of Proposition 84 and a \$375,000 federal grant from the US Bureau of Reclamation. Awarded Clean Water State Revolving Fund (SRF) for the construction of the project. This awarded financing includes a \$2.5 million forgiveness grant against the principal.

**Cost Sharing Document:**

- Task Order No. 8 of the Master Agreement of 2014 (August 2014)
- 1<sup>st</sup> Amendment Task Order No. 8 of the Master Agreement of 2014 (April 2015)
- 2<sup>nd</sup> Amendment Task Order No. 8 of the Master Agreement of 2014 (May 2017)

**Project Update:**

- All major construction activities were completed on January 31, 2019.
- Finalizing warranty issue with pumps. The pumps were repaired under manufacture warranty to address the following issues:
  - Bearing cover on the units had seized, heated and cracked
  - Thrust bearings failed
  - Lower bearings failed
  - Bearing nut & washer damaged
  - Rotor wear on both bearing journals
  - Rotor bent
  - Impeller wear ring shows rub marks
  - Case wear ring shows rub marks

The repairs will replace support bearings with a different type to avoid similar issues. The project is to only pay the cost of shipping of all three pumps.

- IEUA is addressing concerns with confined space access with the pumps. Current installation of pumps in the well restricts routine access due to restrictive requirements with confined space. IEUA is proposing field changes to the power cable to limit the confined space conditions. This will allow support staff with immediate access to the pumps for testing and inspection.