

# RMPU PROJECTS





**SAN SEVAINE IMPROVEMENTS PROJECT**  
**PROJECT NO. EN13001**  
**STATUS UPDATE: April 6, 2022**

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	\$6,236,850

<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	\$5,466,770
Minor Task/Warranty	02/02/19	Pending	In-Progress		
				\$6,460,000	\$6,236,850

**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.
- Warranty repairs on the pumps were completed on December 22, 2021, the pumps were installed and tested in January. The system became fully operable for stormwater use by February 2022.



**POST 2014 STORMWATER RECHARGE PROGRAM  
PROJECT NOS. RW15003.00/.01/.02/.03/.04/.05/.06 & RW15004.00  
STATUS UPDATE: APRIL 6, 2022**

“Post 2014 Stormwater Recharge Program” recommended for final design, bid and construction:

PID	Basin Projects	Post 2014 Stormwater Recharge Program <sup>(2)</sup>	Initial Yield		Updated Yield <sup>(1)</sup>	
			SW	RW	SW	RW
			acre-feet per year			
12	Lower Day Basin	Increase stormwater diversion and basin storage	789	-	993	-
11	Victoria Basin	Improve the infiltration rate and increase storage by removing settled deposits	43	120	75	120
2	Montclair Basins	Increase storage and recharge capacity by directing more channel flow	248	-	96	-
18a	CSI Basin <sup>(3)</sup>	New storage and recharge facility by deepening basin	81	-	-	-
23a	Wineville, Jurupa, RP3 & Force Main	Improve storage and recharge capacity with pumps/conveyance systems between basins and provide new diversion structures	3,166	2,905	2,921	2,905
<b>Total</b>			<b>4,327</b>	<b>3,025</b>	<b>4,085</b>	<b>3,025</b>

- (1) Updated to reflect new values as calculated after the completion of the PDR.
- (2) San Sevaine Basin Improvement project is a part of the “Post 2014 Stormwater Recharge Program” but it is not listed here for it has its own status update sheet.
- (3) 18a (CSI) removed from the list of ongoing RMPU projects. Yield value of 100 AFY is removed.

**Project Budget:**

Project Budget  
\$23,016,080

Actual Cost to Date  
\$13,726,864

	RMPU Projects	Total Project Cost	Actual Cost (to date)	
Ongoing Projects	Lower Day Basin (PID 12)	\$4,008,000	\$3,950,151	
	Victoria Basin (PID 11)	\$176,072	\$176,072	
	Montclair Basins (PID 2)	\$1,788,100	\$346,594	
	RP-3 Basin <sup>(4)</sup>	(23a)	\$1,819,300	\$1,526,746
	Wineville Basin <sup>(4)</sup>		\$20,220,952	\$7,166,293
	Jurupa Basin <sup>(4)</sup>			
	Wineville/Jurupa Force Main <sup>(4)</sup>			
Deferred Projects	East Declaz (Non RMPU Project)	\$114,000	\$114,000	
	Declaz Basin (PID 27)	\$105,000	\$105,000	
	Turner Basin (PID 14)	\$42,000	\$42,000	
	Ely Basin (PID 15a)	\$236,000	\$236,000	
	CSI Basin (PID 18a)	\$64,008	\$64,008	
<b>Total</b>		<b>\$28,573,432</b>	<b>\$13,726,864</b>	

### Cost Sharing Documents:

<b>Lower Day Basin – PID 12 (Task Order No. 2)</b>	
Watermaster's Share	\$2,883,000
IEUA's Share	\$0
Grant Funding	\$1,125,000
<b>Sub-Total</b>	<b>\$4,008,000</b>
<b>Victoria Basin – PID 11 (Task Order No. 10)<sup>(5)</sup></b>	
Watermaster's Share	\$88,036
IEUA's Share	\$88,036
<b>Sub-Total</b>	<b>\$176,072</b>
<b>Montclair Basin – PID 2 (Task Order No. 11)</b>	
Watermaster's Share	\$1,788,100
IEUA's Share	\$0
<b>Sub-Total</b>	<b>\$1,788,100</b>
<b>Wineville/Jurupa/RP3/Force Main – PID 23a (Task Order No. 9)<sup>(6)</sup></b>	
Watermaster's Share	\$10,846,828
IEUA's Share	\$360,043
Grants	\$10,833,381
<b>Sub-Total</b>	<b>\$22,040,252</b>
<b>East Declaz/Declaz – PID 27 /Turner – PID 27/Ely PID – 15a (Task Order No.1)</b>	
Watermaster's Share	\$497,000
IEUA's Share	\$0
<b>Sub-Total</b>	<b>\$497,000</b>
<b>CSI Basin (Task Order 12)</b>	
Watermaster's Share	\$64,008
IEUA's Share	\$0
<b>Sub-Total</b>	<b>\$64,008</b>
<b>Total</b>	<b>\$28,573,432</b>

(4) Task Order No. 9 amended in May/June 2021 to reflect current project cost.

(5) Amending TO 10 to reflect the total project cost from the projected cost of \$168,800 to the final cost of \$176,072.

(6) Includes RP-3, Wineville, Jurupa, and Wineville-Jurupa Force Main's total projected costs. Task Order amended in May/June 2021 to reflect current project cost and additional grants.

### Grant/Loan Update:

RMPU Projects	Total Project Cost	Funding Program	Grant Amount
Lower Day Basin (PID 12)	\$4,008,000	Grant Prop. 84 DWR/SAWPA	\$750,000
		USBR	\$375,000
Victoria Basin (PID 11)	\$168,800	-none-	
Montclair Basins (PID 2)	\$1,788,100	SRF Loan	
RP-3 Basin <sup>(7)</sup>	\$1,819,300	SWRCB – Stormwater	\$809,214
		USBR	\$290,000
Wineville/Jurupa /Force Main <sup>(7)</sup>	\$20,220,952	SWRCB – Stormwater	\$8,994,167
		2018 Water Smart Drought	\$740,000
<b>Total</b>	<b>\$28,005,153</b>		<b>\$11,958,381</b>

(7) Task Order No. 9 amended in May/June 2021 to reflect added grants.

## Project Update:

The following are updates to each of the on-going RMPU projects:

a) **Victoria Basin** – Project completed.

b) **Wineville/Jurupa Storm Water Distribution Pipeline** –

At the Wineville Basin area, the new Pump Station's wet well walls were formed, and concrete was poured above the wet well foundation. The east wall was constructed to a height of 18-feet by March 24. On March 29, forming of the west wall began. Concrete placement for the west wall is scheduled for April 7.

Along the Etiwanda Channel and into the Wineville Basin, MNR completed the installation of the new 30-inch CMLC pipe for the force main from Sta. 10+00 (at the southeast corner of Wineville Basin) to approximately Station 44+00 (at the Jurupa Street and Etiwanda Channel). This completed work includes mudding all joints and post installation CCTV. This completes approximately 1/3 of the new force main pipeline.

Pipe delivery of the remain pipeline is estimated for the week of June 7, 2022. In the meantime, IEUA and the Contractor is discussing potential change orders to address unforeseen buried utilities along Jurupa Street. These unforeseen utilities required changes to the pipeline alignment especially at the intersection of Jurupa and Etiwanda. Due to depth and number of buried utilities, the construction is implementing a jack and bore method to place the new force main line. IEUA staff will be reviewing and discussing the added project cost with the contractor.

c) **Montclair Basin** – Continuing to address the extended wait for a permit with US Army Corps. The Corps recently requested and received an additional permit application for the project to cover the Section 404 requirements. This additional permitting document will further delay the project construction bidding (see separate project schedule in the scheduling tables).

d) **Lower Day Basin** – Construction is substantially complete. IEUA is coordinating with the contractor to finalize the following remaining task: connecting SCE electrical power to the new improvements.

e) **RP-3 Basin Improvement** –

a) Demo work completed.

b) Excavation completed.

c) Construction of the Diversion Structure is ongoing. IEUA is currently addressing an unforeseen field condition. A 100-foot segment of a recycled water (RW) line that was recently installed by Fontana Water Company needs to be relocate. The RW line was constructed further south than initial planned. This resulted in unplanned conflict when constructing the new improvement at RP3. The owner, San Gabriel Valley Water Company, agreed to provide materials to help expedite the relocation.

**Wineville/Jurupa/Force main (PID 23a):**

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/12/21	Completed
Design	12/18/14	02/28/20	Completed
Bid and Award	01/12/21	06/16/21	Completed
Construction	06/16/21	07/31/23	In Progress

**Montclair Basin (PID 2):**

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/12/22	In Progress
Design	12/18/14	02/28/20	Completed
Bid and Award	01/13/22	07/20/22	Not Started
Construction	07/21/22	07/30/23	Not Started

**Lower Day (PID 12):**

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	07/19/19	Completed
Design	12/18/14	07/19/19	Completed
Bid and Award	07/19/19	12/11/19	Completed
Construction/Close Out	12/11/19	06/30/22	In Progress

**RP-3 Basin (PID 23a):**

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/09/18	Completed
Design	12/18/14	12/14/17	Completed
Bid and Award	01/10/18	06/20/18	Completed
Construction	06/21/18	02/28/22	In Progress



**Wineville/Jurupa Storm Water Distribution Pipeline**  
**(Wet Well Shoring)**



**Wineville/Jurupa Storm Water Distribution Pipeline**  
**(Wet Well Construction)**





**Wineville/Jurupa Storm Water Distribution Pipeline**  
**(Placement of Concrete Forms)**



**Wineville/Jurupa Storm Water Distribution Pipeline**  
**(Rebar Work)**



**Wineville/Jurupa Storm Water Distribution Pipeline**  
**(Construct along Etiwanda Channel)**



**Wineville/Jurupa Storm Water Distribution Pipeline**  
**(Received Pipes)**

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