



POST 2014 STORMWATER RECHARGE PROGRAM
PROJECT NOS. RW15003.00/.01/.02/.03/.04/.05/.06 & RW15004.00
STATUS UPDATE: APRIL 10, 2023

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

PID	Basin Projects	Post 2014 Stormwater Recharge Program ⁽²⁾	Initial Yield		Updated Yield ⁽¹⁾	
			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 ⁽³⁾	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
Total			4,327	3,025	4,085	3,025

- (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
\$31,829,520

Actual Cost to Date
\$23,677,237

	RMPU Projects	Total Project Cost	Actual Cost (to date)	
Ongoing Projects	Lower Day Basin (PID 12)	\$4,008,000	\$4,003,407	
	Victoria Basin (PID 11)	\$176,072	\$176,072	
	Montclair Basins (PID 2)	\$1,788,100	\$380,318	
	RP-3 Basin ⁽⁴⁾	\$23,477,040	\$1,819,300	\$2,307,031
	Wineville Basin ⁽⁴⁾		\$16,249,401	
	Jurupa Basin ⁽⁴⁾			
	Wineville/Jurupa Force Main ⁽⁴⁾			
Deferred Projects	East Decléz (Non RMPU Project)	\$114,000	\$114,000	
	Decléz 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	
Total		\$31,829,520	\$23,677,237	

Cost Sharing Documents:

Lower Day Basin – PID 12 (Task Order No. 2)	
Watermaster’s Share	\$2,883,000
IEUA’s Share	\$0
Grant Funding	\$1,125,000
Sub-Total	\$4,008,000
Victoria Basin – PID 11 (Task Order No. 10)⁽⁵⁾	
Watermaster’s Share	\$88,036
IEUA’s Share	\$88,036
Sub-Total	\$176,072
Montclair Basin – PID 2 (Task Order No. 11)	
Watermaster’s Share	\$1,788,100
IEUA’s Share	\$0
Sub-Total	\$1,788,100
Wineville/Jurupa/RP3/Force Main – PID 23a (Task Order No. 9)⁽⁶⁾	
Watermaster’s Share	\$14,102,916
IEUA’s Share	\$360,043
Grants	\$10,833,381
Sub-Total	\$25,296,340
East Declz/Declz – PID 27 /Turner – PID 27/Ely PID – 15a (Task Order No.1)	
Watermaster’s Share	\$497,000
IEUA’s Share	\$0
Sub-Total	\$497,000
CSI Basin (Task Order 12)	
Watermaster’s Share	\$64,008
IEUA’s Share	\$0
Sub-Total	\$64,008
Total	\$31,829,520

(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 Amendment 2 in Aug/Sep 2022 to reflect revised total project budget due to additional construction cost.

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 ⁽⁷⁾	\$1,819,300	SWRCB – Stormwater	\$809,214
		USBR	\$290,000
Wineville/Jurupa /Force Main ⁽⁷⁾	\$20,220,952	SWRCB – Stormwater	\$8,994,167
		2018 Water Smart Drought	\$740,000
Total	\$28,005,153		\$11,958,381

(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** – During this period, MNR was able to complete nearly 95-percent of the installation of the new 30-inch stormwater piping up to Station 105+00 (near the Jurupa Basin). The remaining work to finish installation of the new stormwater pipe is the segment of new pipe at a major street intersection, Jurupa Street and Etiwanda Street at the cities of Ontario and Fontana. This work is scheduled to begin in April and finish in May or June. Also, the project site experienced many delays due to the unusual amount of the rain events. The construction activities within the Wineville Basin area were mainly on hold due to rain and wet conditions. Also, the work with Southern California Edison (SCE) who is to provide new electrical power at Wineville Basin has been excessively delayed because of limited resources within SCE. SCE has not provided final approved plans to install the new electrical source at the site. This is delaying the construction work in terms of the installing electrical connections to power the new improvements. IEUA staff is working continuously with SCE to help them expedite and complete their portion work. Based on these delays the project is expected to finish a later date October 2023.

Major construction of the Wineville/Jurupa/Distribution System is approximately 67% complete. MNR has invoiced the project at 67%. MNR is approximately 79% into the construction schedule.

- c) **Montclair Basin** – The project design and CEQA efforts were completed. However, the project's bid and award activities are still pending. IEUA staff is currently evaluating the final design to determine the possibility of reducing the construction impacts to the existing stormwater channel. The current design is requiring an extensive demolition of the full width of the channel at two locations. In reducing this size of impact, the project can save on the project cost during construction. IEUA is considering performing a hydraulic analysis on various diversion structure designs to determine the most effect improvement in diverting stormwater from the channel into the basin. IEUA is considering using 3-Dimensional Computational Fluid Dynamics to provide a more accurate flow projection. This will help determine if a smaller size diversion construction would be more beneficial in term of cost and minimizing the impact to the channel. IEUA is currently on hold in bidding the project until a decision is made to make further improvements to the construction plans.

- d) **Lower Day Basin** – As previously reported, the major delay in fully finishing the improvement was due to Southern California Edison not providing the required power source to operate the new improvements. Recently, IEUA discovered the new equipment from the improvement project is having issues with integrating with the existing network system. IEUA staff is having to change some of the equipment in the existing network to allow proper communication between the new system from the improvement project and existing network. In the meantime, the system is functioning locally.

IEUA is coordinating with the IEUA support staff and Contractor to complete this minor work in fully integrating the new improvements into the IEUA network system.

e) **RP-3 Basin Improvement** –

- a) Demo work completed/Excavation completed. Construction of the Diversion Structure is completed. However, IEUA is addressing a potential delay claim \$200,000 due to extended project scheduled when addressing the unforeseen field conditions with the contract work. IEUA is currently reviewing the Contractor’s time impact analysis.

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	10/30/23	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	01/30/23	In Progress
Design	12/18/14	02/28/20	Completed
Bid and Award	TBD	TBD	Not Started
Construction	TBD	TBD	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	01/31/23	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	01/31/23	In Progress



Wineville/Jurupa Storm Water Distribution Pipeline
(Pipeline Construction on Jurupa Street)



Wineville/Jurupa Storm Water Distribution Pipeline
(Continued Construction Along Jurupa Street)



Wineville/Jurupa Storm Water Distribution Pipeline
(Wet Well Construction Preparation of Slab with Underground Conduit)



Wineville/Jurupa Storm Water Distribution Pipeline
(Construction of the Monopole Foundation at Wineville)



Lower Day Basin Improvement
(Completed Catwalk Platform for new gates and level sensors at Cell 3)



RP3 Basin Improvement
(Completion of New Diversion Structure at RP3)