

## City of Los Angeles Projects that May Affect Los Angeles River Flows

	No.	Projects	Reference Documents	Description	Estimated River Flow Impact (AFY)
<b>Current and Planned City of Los Angeles (LA) Projects</b>	1	US Army Corps of Engineers (Corps) ARBOR Project	Corps Ecosystem Restoration Feasibility Study Report and LA One Water Los Angeles River (LAR) Flow Study 2017 Draft	The Corps report identifies consumptive uses from various projects within the 11-mile focus study area of the LAR known as the Area with Restoration Benefits and Opportunities for Revitalization or "ARBOR," which extends from the Headworks site downstream to First Street.	3,000 to 6,500
	2	Sepulveda Sports Complex Water Recycling Project	LA 2012 Recycled Water Master Planning Documents /Los Angeles Department of Water and Power (LADWP) 2016-2017 Recycled Water Annual Report	This project will include the installation of approximately 11,000 feet of recycled water pipeline near Lake Balboa at the Sepulveda Basin Recreation Area.	56
	3	Eastside Water Recycling Project	LA 2012 Recycled Water Master Planning Documents/LADWP 2016-2017 Recycled Water Annual Report	This project will include the installation of approximately 21,000 linear feet of new pipeline in the Boyle Heights area.	465
	4	Increase number of LADWP recycled water customers	LA 2012 Recycled Water Master Planning Documents/LADWP 2016-2017 Recycled Water Annual Report	LADWP intends to expand its recycled water use by acquiring additional recycled water customers.	398
	5	Expanded recycled water use through recirculation of Sepulveda Basin flow through lakes	LADWP Water Recycling Planning Group and LA One Water LA 2040 Plan Draft	Future phases of expanded recycled water use may include re-routing flow from one or more of the flow through lakes near the Donald C. Tillman Water Reclamation Plant (DCTWRP). The three lakes -- Lake Balboa, the Wildlife Lake, and the Japanese Gardens Lake -- are designed so that recycled water flows through them and eventually discharges in the LAR. Changes to the flow through design for any of these lakes will require a new environmental analysis, as this concept was not included in the 2016 EIR for the Groundwater Replenishment (GWR) project. In 2015, as shown in the 2016 EIR, the annual average flow through the lakes was 22.3 million gallons per day (MGD).	up to 25,000 (22 MGD)
	6	LAR Dry-Weather Bacteria Compliance Approach for Segment B	Los Angeles Sanitation (LASAN) Watershed Protection Division - LAR Load Reduction Strategy	This project includes identifying and prioritizing the actively flowing outfalls in Segment B of the LAR based on flow and e. coli loading. Four priority outfalls, and conceptual structural actions to address these outfalls, have been identified to date. The estimated volume reduction is 5 to 8 MGD.	Will reduce dry weather flows to LAR to zero
	7	Enhanced Watershed Management Plan (EWMP) for Upper LAR	LASAN Watershed Protection Division - EWMP implementation projections	This is a comprehensive plan to comply with the MS4 Permit for the Upper LAR Watershed, which focuses on reducing flow during wet weather from 85th percentile rainfall events. The EWMP will reduce potential flows to the LAR by approximately 50,000 AFY when fully implemented by 2037.	
	8	Projects to enhance recharge capacity in the San Fernando Groundwater Basin (SFB)	Annual Status Reports filed in <i>The City of Los Angeles v. City of San Fernando</i> , Los Angeles Superior Court Case No. 650079	Since 2007, LA and its partners have implemented centralized and distributed stormwater capture projects that have increased average stormwater capture capacity in the Upper LAR watershed by 10,788 AFY. Planned centralized and distributed stormwater capture projects are expected to increase average stormwater capture in the Upper LAR watershed by an additional 16,849 AFY within the next five years.	

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<b>Project Concepts</b>	9	LAR Recharge into LA Forebay Concept	LA 2012 Recycled Water Master Planning Documents and LA One Water LA 2040 Plan TM 5.2 Draft	This project would divert flows from the LAR to the LA Forebay to recharge the Central Basin. It would require the development of new storage systems that can attenuate stormwater flows within the LAR, pipeline conveyance, and multiple groundwater injection wells.	up to 25,000 (22 MGD)
	10	LA/Glendale Water Reclamation Plant (LAGWRP) to Headworks Reservoir Concept	LA 2012 Recycled Water Master Planning Documents and LA One Water LA 2040 Plan TM 5.2 Draft	This project would treat LAGWRP effluent at an Advanced Water Purification Facility (AWPF) and pump water directly into the LADWP distribution system at Headworks Reservoir. LADWP 2016-2017 Recycled Water Annual Report shows a total non-potable reuse (NPR) demand of 5,171 AFY (2,735 current and 2,436 potential). Assuming half of LAGWRP's capacity of 20 MGD, there is potentially 6,000 AFY of recycled water left for direct potable reuse (DPR) at Headworks.	up to 6,000
	11	Upper LAR to DCTWRP	LA One Water LA 2040 Plan Draft	This project would divert flows from the Upper LAR to DCTWRP for reuse.	4,500 to 5,600
	12	DCTWRP to SFB Injection Wells	LA One Water LA 2040 Plan Draft	This project would treat DCTWRP effluent at an AWPF, recharge it into SFB by injection wells, and later extract it for potable use.	up to 15,000
	13	DCTWRP to Los Angeles Aqueduct Filtration Plant (LAAFP)	LA One Water LA 2040 Plan Draft	This project would expand DCTWRP's AWPF, convey direct potable reuse flows to the LAAFP, and then to LADWP distribution.	up to 15,000
	14	DCTWRP to LADWP Distribution System	LA One Water LA 2040 Plan Draft	This project would treat DCTWRP effluent at an AWPF and pump water directly into the LADWP distribution system.	up to 15,000
	15	Increase recycled water demand beyond 2015 UWMP	LA One Water LA 2040 Plan Draft	This project would include a NPR purple pipe system expansion near Terminal Island WRP and Hyperion WRP.	16,400 to 45,400

**Note:**

- LA is still evaluating the project concepts. However, the conservative scenario is to assume that all recycled water at DCTWRP will be reused, similar to LAG, once DPR regulations are adopted.
- AFY = acre-feet/year

**Sources:**

- Corps Ecosystem Restoration Feasibility Study Report
- LA 2012 Recycled Water Master Planning Documents
- LASAN Watershed Protection Division
- LADWP 2016-2017 Recycled Water Annual Report
- LADWP Water Recycling Planning Group
- LA One Water LA 2040 Plan Draft

**Websites:**

- <http://www.spl.usace.army.mil/Missions/Civil-Works/Projects-Studies/Los-Angeles-River-Ecosystem-Restoration/>
- <https://planning.lacity.org/eir/CrossroadsHwd/deir/files/references/M211.pdf>
- [https://www.lacitysan.org/san/faces/wcnav\\_externalId/s-lsh-wwd-wp](https://www.lacitysan.org/san/faces/wcnav_externalId/s-lsh-wwd-wp)
- <https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-water/a-w-recycledwater/a-w-rw-annualreport>
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- [https://www.lacitysan.org/san/faces/home/portal/s-lsh-es/s-lsh-es-owla?\\_adf.ctrl-state=18vnic5kac\\_207&\\_afLoop=1735739450857060&\\_afWindowMode=0&\\_afWindowId=null#!%40%40%3F\\_afWindowId%3Dnull%26\\_afLoop%3D1735739450857060%26\\_afWindowMode%3D0%26\\_adf.ctrl-state%3D10jc62emy8\\_73](https://www.lacitysan.org/san/faces/home/portal/s-lsh-es/s-lsh-es-owla?_adf.ctrl-state=18vnic5kac_207&_afLoop=1735739450857060&_afWindowMode=0&_afWindowId=null#!%40%40%3F_afWindowId%3Dnull%26_afLoop%3D1735739450857060%26_afWindowMode%3D0%26_adf.ctrl-state%3D10jc62emy8_73)