



Inland Empire Utilities Agency Upcoming Engineering and Construction Management Projects

As of October 29, 2024

The dates listed below may change based on unforeseen circumstances.
This list will be updated quarterly.

Agency Wide

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
1	EN23034.00	Agency Wide EV Charging Stations	Install charging stations in the following areas: Headquarters/Chino Creek Wetlands & Educational Park, Headquarter Parking Lots, RP-5, RP-1, RP-4/IERCF, CCWRF. Charging stations will be installed in the following areas: Headquarters/Chino Creek Wetlands & Educational Park. Fast charging stations: 0 on west parking lot and 0 on the east parking lot/ 6 Level 2 chargers in HQ-A gated parking (Note: Level 3 chargers removed) RP-5.12 Level 2 Chargers.RP-1.18 Level 2 chargers.RP-4/IERCF.6 Level 2 Chargers.CCWRF.4 Level 2 Chargers. This cost estimate has been prepared using the assumption SCE will be responsible for the design and construction of associated site improvements to install the infrastructure necessary to support the chargers.	Spears, James	-	-	6/1/2024
2	EN23089.02	Chino Avenue Trunk Critical Repairs	This project is a point repair of a failed stainless steel (SS) pipe link that is causing a partial blockage of the RSS section CAT-006 to CAT-007. After the failed SS pipe link is removed, a cured in place pipe (CIPP) will be performed to line the 270ft of pipe between CAT-006 to CAT-007. In order to isolate this section of pipe, bypass pumping and extensive traffic control will be required.	Zughbi, Jamal	-	-	9/7/2023
3	EN24020.01	Additional Access for RP-1's 8-inch Centrate Line	Install a clean out at the 45-degree bend of RP-1's 8-inch Centrate Line located in Ontario Soccer Park's parking lot.	Zughbi, Jamal	-	-	11/23/2024
4	EN25026.00	Non-Reclaimable Waste Manhole FY 24/25	Once identified, the Engineering department will respond by creating projects, designing necessary repairs, and constructing.	Zughbi, Jamal	-	-	11/5/2024
5	EN25041.00	Collection System Upgrades FY 24/25	Once identified, the Engineering department will respond by creating projects, designing necessary repairs, and constructing.	Zughbi, Jamal	-	-	11/5/2024

CCWRF

	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
6	EN23004.00	CCWRF Aeration Basins 1-6 Drain Valve Replacements	The project scope consists of evaluating the drain sumps to verify the type of plug used to keep from potential backflow due to the drain valves not holding. Replace the existing 6' drain valves for aeration basins 1-6.	Zughbi, Jamal	2/24/2023	Y	10/14/2024
7	EN24057.00	CCWRF Bleach Pipeline Replacement	Investigate and design the best approach to abandon/ replace/rerouting of the existing chlorine/bleach pipeline. Construction of the new pipeline with all necessary connections.	Spears, James	-	-	12/3/2024

CCWRF (Cont.)

	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
8	EN24059.00	Chino Hills Trunk-014 Sewer Siphon CIPP Repair	The scope for this project would involve a design consultant conducting flow monitoring services on the siphon to ensure that a flow through plug method of isolating the siphon barrels is viable. Then a design for the CIPP repair would be created incorporating this bypass method. Contractors would bid on the design, with the intent being to conduct a CIPP repair on both barrels. The design consultant would provide engineering services during construction as the contractor proceeds with the construction.	Zughbi, Jamal	3/7/2024	Y	12/13/2024
9	EN25045.00	CCWRF Electrical Improvements	All major electrical equipment will need to be evaluated for replacement. 12kV switchgear, MCCs, Transformers, Exhaust Control Panels, Lighting Panels, Transfer Switches, Lighting Contactors, and Switchboards throughout CCWRF.	Spears, James	1/9/2025	N	8/1/2026

Collections

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
10	EN24023.00	RP3 Regional Sewer Diversion Structure Rehab	Procurement of new gate valves, composite manhole rings and covers, removal of existing lining, sandblasting of concrete structure, Repair of any structural damage, and new liner installation. The area consists of a Diversion Structure and Control Structure. The As-builts for both are D4523-6 to D4523-9. Two additional manholes located south of the Diversion Structure and Control Structure are referenced on As-builts D4573-015.	Zughbi, Jamal	8/19/2024	Y	3/26/2026

Headquarters

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
11	EN23003.00	Central Plant Cooling Tower Replacement	Install a new cooling tower and connect in parallel to the existing cooling tower system. Modify and upgrade mechanical piping, electrical and control systems as needed to suit the new configuration. Install a new water filtration system to address the dusty environment which causes extensive cooling tower maintenance. Demolish the existing old cooling tower once the new cooling tower is in place and operational. Retain a consultant for system design and engineering services during construction.	Zughbi, Jamal	4/19/2023	Y	12/31/2024

Lift Stations

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
12	EN21045.00	Montclair Force Main Improvements	The project will include the design and construction of a new pipeline of approximately 4,000 LF. The preliminary design report and the final design is expected to take one year for completion; construction is expected to take 1.5 years as Caltrans permitting will be required.	Zughbi, Jamal	2/2/2021	Y	11/30/2024
13	EN22020.00	Philadelphia Lift Station Pump Upgrades	Replace pumps with newer style non-clog dry pit submersible pumps similar to Montclair LS. These will provide higher efficiency and an easier service to maintain. VFD's will need to be upgraded as well.	Zughbi, Jamal	3/5/2025	N	2/4/2026
14	EN23002.00	Philadelphia Lift Station Force Main Improvements	The objectives of the project are to design and construct two new non-reclaimable waste force main pipelines from the Philadelphia Lift Station to a new junction structure on the Northern NRWS Center Trunk at Campus Avenue with clean out manholes at 500 ft intervals. [Scope Removal] design and construct emergency overflow protection with a passive overflow into the regional sewer pipeline, and line the emergency overflow reservoir with impermeable material (i.e., concrete, EPDM rubber, etc.).	Zughbi, Jamal	3/31/2020	Y	1/24/2025
15	EN23036.00	San Bernardino Ave Lift Station Reliability Improvement	The following are Operations and Maintenance's expectations and corresponding recommendations: Install chopper pumps or other available technologies to alleviate ragging of the pumps; Pump Station bypass will be addressed under a separate future project; Install an access hatch(es) at the lift station wetwell near the low point for maintenance and collection cleaning; Retain a consulting engineering firm for design and construction services; and pave the existing graveled area around the pumps and install a 20-ft wide apron at the entry location. This will require removing part of the existing fence. Also, the project will install a manway access to the	Zughbi, Jamal	3/22/2023	Y	6/4/2025

Recharge

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
16	EN23113.01	RW/GRW Safety Work Improvements for Basin Gate Actuator	To construct a safe platform with safety railing and toe boards around the actuators. The platform will need to be accessible from a hinged and lockable gate.	Spears, James	12/5/2022	Y	8/31/2025
17	RW15003.03	Montclair Basin Improvements (RMPU PID 2)	The scope for Montclair Basin is to implement the following project phases: preliminary-design, environmental review, permitting, final design, construction bid/award, and construction. Consultants will conduct all design phases. IEUA will provide project management for all phases. The scope, cost and schedule on the project are agreed to and authorized under an IEUA/CBWM Task Order No.11 agreement which was Board approved and executed in May 2017. The initial preliminary design efforts were authorized under Task Order No. 1 in August 2014.	Zughbi, Jamal	6/24/2015	Y	9/16/2025

RP-1

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
18	EN18025.00	RP-1 Secondary System Rehabilitation	Rehabilitate the concrete surfaces and recoat the metal components of the secondary clarifiers. Replace the above ground PVC sprayer piping and provide protection from UV rays.	Spears, James	1/25/2025	N	10/31/2025
19	EN21053.00	RP-1 Filter Effluent Structure #2 Rehabilitation	Gate and stems are already severely corroded. The cost includes complete rehabilitation of structure and valves.	Zughbi, Jamal	2/2/2021	Y	7/1/2025
20	EN22022.00	RP-1 Air Compressor Upgrades	Operations is requesting engineering to design and construct a centralized/consolidated air compressor system to provide process air for plant use. (Justin Tao has the study for RP-1).	Spears, James	-	-	9/10/2024
21	EN23024.00	RP-1 TP-1 Stormwater Drainage Upgrades	Repair the old discharge line and tie it in a permanent pump or if unable to repair the line will need to be replaced. A permanent pump and pipeline installation needs to be constructed to minimize potential flooding and potential permit violation of spillover into the creek.	Zughbi, Jamal	1/17/2023	Y	7/1/2026
22	EN23102.00	RP-1 New Parking Lot	The space currently set up as the large garden near the "Old New Lab" building provides a large parking area with a large covering with electrical for the camera van and safety trailer to go. Enough space to hold the larger vehicles and a turning radius for traffic to flow in and out of the area.	Spears, James	10/31/2022	Y	6/15/2025
23	EN24020.02	RP-1 Centrate Line Collections Ramp	Construct an earthen ramp north of the golf course to allow Collections Vac Trucks to access a clean out on RP-1's 8-inch Centrate line.	Zughbi, Jamal	-	-	11/1/2024

RP-4

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
24	EN20057.00	RP-4 Process Improvements Phase II	Reconfigure influent pump station structure and update pumps and equipment; replace deteriorated gates; replace blowers and make electrical and control upgrades and improvements.	Spears, James	1/18/2023	Y	2/1/2025
25	EN21041.00	RP-4 Chlorine Contact Basin Cover Repair & RW Wet Well	The scope of work includes assessing the existing covers, determining the full extent of the corrosion and erosion concerns, and providing the immediate repair or replacement of the covers. This will also provide the design and construction of the diversion from Passive Overflow to the Lagoon System.	Zughbi, Jamal	2/2/2021	Y	7/1/2025
26	EN24007.00	1299 RW PS Rehab	Procurement of new butterfly valves, motors, and impellers. Replace isolation valves first, then send out two pump/motor at a time for rehab, replacement impeller/motor and VFD's.	Spears, James	4/17/2024	Y	1/3/2026

RP-5

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
27	EN19001.02	RP-5 New Radio Tower Design-Build	The project should add a new radio tower structure and foundation, new antennas and radios, new cabling, and electrical connections as well as a new prefabricated building to house all electrical equipment. An RFQ will be advertised to prequalify design-build teams, followed by a request for proposals. The design-build team will design, build, and commission the new RP-5 radio tower.	Wilson, Brian	10/16/2024	N	11/12/2025

Recycled Water

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
28	EN24055.00	RP3 Diversion Structure Height Extension	Design and construct a 2-foot wall extension on top of the new RP3 diversions structure.	Zughbi, Jamal	3/7/2024	Y	11/22/2024

Recycled Water (Cont.)

#	Project Id	Project Name	Scope	Principal Engineer	Consultant Contract Award End	Consultant Contract Awarded (Y/N)	Construction Bid Start
29	EN23119.00	RW SCADA Migration	Migrate the RW SCADA application to Plant PAX 5.0. Upgrade necessary control hardware to support Plant PAX 5.0. Create Process Control Narratives (PCNs) for RW to document system operation, signal monitoring, alarm management, data collection, and data reporting. Create process information reports. Separate the RW HMI from GWR HMI withing the RW/GWR SCADA application. Separate the RW pump stations from the wastewater facility SCADA applications.	Spears, James	3/15/2023	Y	3/7/2025