# Inland Empire Utilities Agency Upcoming Engineering and Construction Management Projects

## As of September 17, 2024

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

| Agency Wide | | | | | | | |
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| # | 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 | 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 | - | - | 9/12/2024 |
| 3 | 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 | - | - | 10/8/2024 |
| 4 | 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 | - | - | 10/8/2024 |

| CCWRF | | | | | | | |
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| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 5 | 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 | 6/8/2024 |
| 6 | 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 | - | - | 11/5/2024 |
| 7 | 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. Contactors 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 | 6/7/2024 | Y | 11/12/2024 |
| **Collections** | | | | | | | |
| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 8 | 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 on 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 |

| HQ | | | | | | | |
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| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 9 | EN23003.00 | Central Plant Cooling Tower Replacement | Install 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 | 10/19/2024 |
| **Lift Stations** | | | | | | | |
| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 10 | 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 likely be required. | Zughbi, Jamal | - | - | 10/18/2024 |
| 11 | 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 |
| 12 | 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 to service and maintain. VFD's will need to be upgraded as well. | Zughbi, Jamal | 2/20/2025 | N | 1/22/2026 |

| RP-1 | | | | | | | |
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| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 13 | EN22044.00 | RP-1 Thickening Building & Acid Phase Digester | The scope of the project is listed as follows (piping modifications required as necessary): Construct the RP-1 Solids Thickening Building to contain rotary drums thickeners. Construct (3) Acid Phase Digesters and all ancillary equipment for this system. Expand the RP-1 12kV electrical system. Other misc. system improvements (odor control, primary sludge VFD's, cleanouts, interim RDT, and site demolition) | Spears, James | - | - | 5/3/2024 |
| 14 | 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 |
| 15 | 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 | - | - | 9/12/2024 |
| 16 | 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 | 3/26/2025 |
| 17 | EN21053.00 | RP-1 Filter Effluent Structure #2 Rehabilitation | Gate and stems are already severely corroded. Cost includes complete rehabilitation of structure and valves. | Zughbi, Jamal | - | - | 7/1/2025 |
| 18 | EN23024.00 | RP-1 TP-1 Stormwater Drainage Upgrades | Repair the old discharge line and tie 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 |

| RP-1 (Cont.) | | | | | | | |
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| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 19 | EN24001.00 | RP-1 Liquid Treatment Capacity Recovery | Based on the major recommendations resulting from the RP-1 Capacity Recovery Project PDR, the Project will consist of the following major components: Rehabilitate preliminary and primary treatment, Expand the Intermediate Pump Station, Convert the existing conventional activated sludge secondary system to a membrane bio-reactor (MBR) system including fine screening consistent with RP-5 Liquid Treatment Expansion, Modify Lagoon No. 3 piping system to allow for secondary effluent equalization eliminating the requirement to expand the tertiary treatment process, Replace the existing odor control with a new two-stage Bio scrubber with carbon polishing | Marseilles, Jason | - | - | 12/14/2027 |
| **RP-4** | | | | | | | |
| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 20 | 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 | 12/2/2024 |
| 21 | EN21041.00 | RP-4 Chlorine Contact Basin Cover Repair & RW Wet Well Passive Overflow Line | 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 | - | - | 7/1/2025 |
| 22 | 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 | | | | | | | |
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| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 23 | EN19001.02 | RP-5 New Radio Tower Design-Build | The project shall 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 | 10/14/2024 | N | 11/9/2025 |
| **Recycled Water/Recharge** | | | | | | | |
| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
| 24 | EN24055.00 | RP3 Diversion Structure Height Extension | Design and construct a 2-foot wall extension on top of the new RP3 diversion's structure. | Zughbi, Jamal | 3/17/2024 | Y | 9/18/2024 |
| 25 | EN23113.01 | RW/GRW Safety Work Improvements for Basin Gate Actuator Access | The following are Operations and Maintenance's expectations and corresponding recommendations: 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 | 6/5/2025 |
| 25 | EN15002.00 | 1158 Reservoir Site Cleanup | A review of the 1158 Reservoir site will be conducted to determine if the remaining remnants of the old oil piping, liquids and soils, should be removed from the site. After the determination is made, a mitigation plan will be developed and implemented. | Zughbi, Jamal | - | - | 12/17/2024 |

| Recycled Water/Recharge | | | | | | | |
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| # | Project ID | Project Name | Scope | **Principal Engineer** | **Consultant Contract Award End** | **Consultant Contract Awarded (Y/N)** | **Construction Bid Start** |
| 25 | 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 | 2/25/2025 |
| 25 | EN23036.00 | San Bernardino Ave Lift Station Reliability Improvements | 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 | 3/23/2023 | Y | 3/5/2025 |