



Inland Empire Utilities Agency Upcoming Engineering and Construction Management Projects

As of March 14, 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 | EN21020.00 | Oracle P6 Migration | Primavera P6 upgrade the software to P6 EPPMv17.x - v20.x and provide consulting services including best practices training canned and custom report writing as well as project scheduling and project maintenance. | Solis, Rachael | 7/17/2024 | N | - |
| 2 | 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. | Spears, James | - | - | 6/1/2024 |
| 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 | - | - | 3/20/2024 |
| 4 | EN24052.00 | BonView Sewer Jacked Casing Union Pacific | The scope of work includes preparing a PDR to determine: (1) What is required to protect sewers; (2) Identify permits, construction schedule and scope for design; (3) Determine cost for budgeting construction work. | Spears, James | - | - | 1/14/2026 |
| 5 | EN24056.00 | PLA Informational Consulting Services | Develop RFP to acquire consulting services for Project Labor Agreement (PLA) information. Review and select a consulting firm to research and collect information required to develop informational packages for agency consideration associated with a PLA | Wilson, Brian | 3/21/2024 | N | - |

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 | 5/14/2024 |

CCWRF (Cont.)

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|---|------------|--|---|--------------------|-------------------------------|-----------------------------------|------------------------|
| 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 | 3/8/2024 | Y | 5/9/2024 |

HQ

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|---|------------|---|---|--------------------|-------------------------------|-----------------------------------|------------------------|
| 8 | 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 | 7/19/2024 |

Lift Stations

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|---|------------|-----------------------------------|--|--------------------|-------------------------------|-----------------------------------|------------------------|
| 9 | EN21045.00 | Montclair Force Main Improvements | The project will include the design and construction of a new pipeline of approximately 4000 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 | - | Y | 6/8/2024 |

Lift Stations (Cont.)

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|----|------------|--|--|--------------------|-------------------------------|-----------------------------------|------------------------|
| 10 | 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 | - | - | 5/3/2025 |
| 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 | 6/29/2024 |
| 12 | 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 wetwell. | Zughbi, Jamal | 3/22/2023 | Y | 12/3/2024 |

RP-1

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|----|------------|--|--|--------------------|-------------------------------|-----------------------------------|------------------------|
| 13 | EN20051.00 | RP-1 MCB and Old Lab Building Rehab | A condition assessment was recently completed on RP-1 Main Control Building (MCB) and Adjacent (old) lab building. The assessment concluded that the building shows signs of age-related damage and needs a rehab project to prevent further deterioration. Areas of immediate concern are the exterior and roofing portion of the building. Further damage to the building will cause significant impact to operations at RP-1. The scope includes detailed design and documents related to demolition and construction of the building rehab project. The project scope also includes cost for project management and construction administration and inspection supports. | Spears, James | 10/21/2022 | Y | 4/1/2024 |
| 14 | 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 | - | Y | 7/1/2025 |
| 15 | 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. | Spears, James | - | - | 5/26/2024 |
| 16 | EN22027.00 | RP-1 Repurpose Lab | Design bid and construction will be performed to allow the building to be used for a new use. It is anticipated this will include the relocation of source control from the Main HDQ to free up space and centralize this activity and provide additional office space for Operations personnel. | Spears, James | - | - | 4/1/2024 |

RP-1 (Cont.)

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|----|------------|--|---|--------------------|-------------------------------|-----------------------------------|------------------------|
| 17 | EN22031.00 | RP-1 Intermediate Pump Station Electrical Improvements | The following are Operations and Maintenance’s expectations and corresponding recommendations: Replace MCC 6M and 8M with the new Allen Bradley IntelCenter. Look at the feasibility of just 1 MCC instead of the two separate MCCs. The new MCC could have a main tie main configuration and supply power to all 10 IPS pump VFDs. Or if the new VFDs would be free-standing like the existing IPS pump VFD # 16 and 7 most of the loads could be fed out of a 480-volt distribution panel rather than an MCC. Permanently eliminate the ATs that feed MCC 6M and 8M. Permanently eliminate all the eddy clutch drives. Install new 18 pulse VFDs for IPS pump motors # 234589 and 10. Replace the existing IPS VFDs # 16 and 7 because they are already over 13 years old, and it would make the overall project better to have all new. Evaluate each motor and make sure all are inverter duty rated with shaft ground rings. Replace as needed. Replace lighting panel LP15 and its associated transformer. Possibly replace all 10 of the IPS pumps. Pumps 1-6 are over 40 years old and pump 7-10 are over 30 years old. | Spears, James | - | - | 3/22/2024 |
| 18 | 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 | - | - | 3/30/2024 |

RP-1 (Cont.)

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|----|------------|--|--|--------------------|-------------------------------|-----------------------------------|------------------------|
| 19 | EN23000.00 | RP-1 DeviceNet Replacement | Evaluate the age and quality of MCC's with E3 overloads installed to determine if the MCC needs to be replaced or just the E3 overloads. Overloads that need to be replaced need to be replaced with E300 overloads. Use of the E300's needs to include necessary wire modification and Ethernet/IP network connectivity to the RPI PRP network architecture. Upgrade of all Device Net devices and supported hardware to Ethernet/IP network protocol or possibly Modbus TCP/IP if Ethernet/IP is not possible. | Spears, James | 2/15/2023 | Y | 4/25/2024 |
| 20 | 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 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 |
| 21 | 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 | - | - | 3/21/2024 |
| 22 | EN24050.00 | RP-5 Solids Handling Facility Lease | Issue developed RFP to potential external long lease tenants, evaluate and negotiate lease agreement terms, and coordinate as necessary with the City of Chino . | Zughbi, Jamal | 8/24/2024 | N | - |

RP-4

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|----|------------|--|---|--------------------|-------------------------------|-----------------------------------|------------------------|
| 23 | 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 | 5/27/2024 |
| 24 | 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 |

RP-4 (Cont.)

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|----|------------|------------------------------------|--|--------------------|-------------------------------|-----------------------------------|------------------------|
| 25 | EN22039.00 | RP-4 SCADA Performance Improvement | New control panel to be installed in server room, electrical wiring to new control panel, provide 2 new sets of redundant controllers, 2 new sets of redundant controllers to be installed in new control panel, existing Secondary redundant controller remains, existing Tertiary redundant controller will be repurposed as the second Secondary redundant controller, Secondary control loop programming needs to be split evenly between the 2 sets of redundant controllers, Tertiary control loop programming needs to be split evenly between the 2 sets of redundant controllers, HMI graphics need to be modified to connect display objects to the new controllers (this applies to all objects), Alarms need to be modified to connect to the new controllers. | Spears, James | 7/2/2024 | N | 1/6/2026 |
| 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 | 4/10/2024 | N | 11/27/2025 |

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 existing RP-5 Radio Tower currently communicates with multiple IEUA facilities including Carbon Canyon, RP-1, CDA, and Prado. With the addition of the gas and acid phase digestors as part of the RP-5 Expansion Project, it is expected that interference with the radio tower signal may occur due to the height of the new structures. A line-of-sight study was completed for the existing RP-5 radio tower which determined that a new 120-ft tower at RP-5 would mitigate potential interference issues with the new concrete structures as well as any future development in the surrounding area that may hinder connection. Moreover, the new Radio tower will provide capacity for future communication expansion. The project will be advertised as a design-build | Wilson, Brian | 6/30/2024 | N | 1/12/2025 |

Recycled Water/Recharge

| # | Project ID | Project Name | Scope | Principal Engineer | Consultant Contract Award End | Consultant Contract Awarded (Y/N) | Construction Bid Start |
|----|------------|--|---|--------------------|-------------------------------|-----------------------------------|------------------------|
| 28 | EN23067.00 | Hickory Basin Replacement Monitoring Well | The NRG closure has impacted the RW GWR program by removing a monitoring well from use (the Reliant East Well). IEUA will need to replace that monitoring well with a new well for compliance. Can you include the reconstruction of those monitoring wells in the reservoir negotiations? The cost of the well would be approximately \$200K to \$300K. A new well could be located on the new reservoir site, RP4, or the IERCF. | Zughbi, Jamal | 5/5/2023 | Y | 3/22/2024 |
| 29 | EN24055.00 | RP3 Diversion Structure Height Extension | Design and construct a 2-foot wall extension on top of the new RP3 diversion structure. | Zughbi, Jamal | 3/7/2024 | Y | 3/29/2024 |
| 30 | EN15002.00 | 1158 Reservoir Site Cleanup | To be compliant with federal health and safety codes, corrective action is required to investigate and remediate any hazardous wastes from a hazardous waste facility. The site of the 1158 reservoirs is located in the oil storage facility formerly owned by SCE. The site is subject to closure and corrective action per the Resource Conservation and Recovery Act. A review of the 1158 Reservoir site will be conducted to determine if the remaining remnants of the old oil piping, liquids, and soil, should be removed from the site. After the determination is made, a mitigation plan will be developed and implemented. | Zughbi, Jamal | 9/3/2020 | Y | 5/11/2024 |
| 31 | 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 | 1/23/2025 |
| 32 | EN23113.01 | RW/GRW Safety Work Improvements for Basin Gate Actuator Access | 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 | 1/31/2025 |