

Bureau of Engineering - Environmental Engineering Division - Construction Updates Summary

El Segundo Citizens Meeting - January 19, 2023

1. New & Ongoing Projects

Location on Map	Project Title	Description	% Progress	Anticipated Completion Date	Status / Notes
5	Headworks Odor Control Upgrades	This project is responsible for upgrading / replacing existing elements of the headworks odor control facility	97	Apr, 2023	The facility is in operation, followed by remaining site work and demobilization by Spring 2023.
7, 6	Primary Batteries Improvements	This project will provide a phased removal & replacement of aging equipment inside the primary settling tanks	65	Dec, 2024	Primary battery "A" (1 of 4 batteries) has been fully cleaned, upgraded and returned to service. The project recently received authorization to implement major cleaning and upgrades to the remaining 3 batteries. This additional work has extended the overall project schedule, but immediate improvements in relation to odors are underway and expected to complete within the next 4-6 months.
13	Advanced Water Purification Facility	This project will provide recycled water for LAX & Hyperion use	85	Spring 2024	Construction of the facility is anticipated to be completed by April, followed by testing; pending necessary regulatory approvals.
18	Truck Loading Facility Fan and Ducting Upgrades	This project is implementing upgrades to the existing Truck Loading Facility odor control system.	60	Oct 2023	Replacement fans have arrived on-site. Associated air handling ducting anticipated to arrive on site next month, followed by installation
H1 thru H5	Perimeter Road Improvements	This project will stabilize and rehabilitate the existing road and fencing along the east perimeter of the plant	70	Aug, 2023	Remaining road foundation sheet piles are expected to complete by end of January specifically 1/20, barring any unforeseen inclement weather. Noise/vibration mitigation and monitoring measures continue until this activity is completed.
17	Ferric Chloride Facility Replacement	This project will implement replacement and modernization of the ferric chloride facility; which is essential for removing impurities and odors in the wastewater reclamation process.	40	Aug, 2023	The site work is progressing with no major issues.
5	Headworks Fire Sprinkler System Replacement	This project will replace the existing fire suppression system at the Headworks Facility.	50	Jun, 2023	Contractor has started replacing the old fire suppression system. The work is ongoing.
13	Emergency Flare System Rehabilitation	This project will implement upgrades and optimizations to the existing Emergency Flare System	10	Apr, 2023	Replacement of existing temperature sensors are ongoing, followed by testing. Outcome of the testing may dictate further repairs/improvements to the facility.
5	Headworks & Large Diameter Sewer Cleaning	This project will perform cleaning on the four major sewer main connections to Hyperion	85	Mar, 2023	Remaining cleaning work includes the headworks influent channel.
5	Headworks Overflow Bypass Improvements	New Project. This project will implement further modernizations to the Headworks Facility	5	mid-late 2024	Design is completed and the contractor was selected to perform the work on 12/12/22. Construction is scheduled to begin after the associated influent channel is cleaned.
5	Headworks Barscreens DCS Integration	New Project. This project will integrate additional remote monitoring and controls of various equipment at the Headworks Facility, including bar screens, level sensors, supply fans and screening equipment.	60	end-2023	Majority of the electrical wiring has been installed and testing planned for mid January. Control panel upgrades are in progress.
17	Dewatering Centrifuge Facility Facility Rehab	New Project. This project will implement repairs to the walls, insulation and other areas of the Facility.	5	end-2023	Initial investigation of damage to the facility is completed; remediation of the primary elevator shaft is expected to start by late Feb 2023.
7, 6	Primary Tanks Scrubber Rehabilitation	New Project. This project will implement repairs to the existing scrubbers associated with Hyperions primary settling system.	20	end-2023	Materials necessary for refurbishment are in fabrication and all expected to arrive by March/April 2023, followed by installation.
Various	Hyperion Electrical Feeders Replacement	New Project. This project will assess and repair major electrical connections at various locations at Hyperion	5	mid-2024	Contractor is in process of mobilizing to the project site by the end of this month

2. Completed Projects

Location	Project Title	Description			
		No completed projects this reporting period.			