



Project Labor Agreement - Pure Water Program Phase 1 Quarterly Progress Report through September 30, 2024



Our Projects

City of San Diego Pure Water Phase 1

The end of the quarter finds the **North City Pure Water Facility and Pump Station** project approximately 74% cost complete with 806 of 1,312 workdays expended.

Shimmick continues focusing on the ozone facility, the biological activated carbon filters, process building and the administration building areas. Work continues on product water tank, the chemical facility, liquid oxygenation facility and main electrical building. Above grade mechanical and electrical activities are underway.

Shimmick has completed approximately 94% of the structural concrete work, 83% of the mechanical work, 86% of the civil work, 75% of the electrical work and 85% of project procurement.

Shimmick continues structures work at the Pure Water facility pump station and begins preparations for start-up of the overall facility.



North City Pure Water Facility and Pump Station

Prime Contractor: Shimmick Construction, Inc.

Project Value: \$375,757,724

Project Start Date: April 2021



The end of the quarter finds the **Morena Pump Station** largely focused on the installation of concrete. The lower level walls and intermediate deck have been formed, poured and stripped, making way for the upcoming liquid tightness testing, backfilling of the lower level and partial removal of the shoring in place. On Friars Road, the concrete for angle structure has been placed and liquid tightness testing was successfully conducted. The structure will be backfilled in the coming months. Soil Freeze and dewatering efforts continued to prepare the structure for concrete installation. Friars Road will be restored and prepared for a traffic switch in the upcoming months, making way for the final stage of work in that area.

Morena Pump Station

Prime Contractor: Flatiron West, Inc.

Project Value: \$138,813,413

Project Start Date: June 2021

Our Projects

City of San Diego Pure Water Phase 1

The end of the quarter finds the **Morena Conveyance Northern Alignment** project with the San Clemente tunnel completed. OHL is currently installing the vertical pipe to connect with the horizontal pipe that is already in place on Genesee Avenue.

Additionally, OHL has completed work on the lower Rose Canyon tunnel and is now preparing it for the carrier pipe installation. They have also begun mobilizing equipment to the north shaft of Rose Canyon, with excavation set to begin the coming months.

On Interstate 805, heading work is ongoing. OHL has reached 280-linear feet into the tunnel.

On the pipeline, OHL has finished the crossing of Lombard Place and Nobel Drive, which was one of the most congested intersections of the project. OHL will pass 100-linear feet from the intersection and will move to Genesee Avenue north of the Rose Canyon tunnel to start the mainline section. OHL has installed over 84% of the mainline pipeline.



Morena Conveyance Northern Alignment

Prime Contractor: OHL USA, Inc.

Project Value: \$113,282,546

Project Start Date: July 2021



On the **North City Pure Water Pipeline** project, W.A. Rasic (WAR) has completed over 32,250-linear feet of 48-inch pipe installation with Eastgate Mall containing most of the remaining work.

The Interstate 15 tunnel has been completed, and the installation of the carrier pipe is scheduled for the coming months. Work on the Via Pasar tunnel is currently underway.

Subaqueous high-density polyethylene (HDPE) is complete and the reservoir parking lot is ready to be paved.

The dechlorination facility is ready for footing rebar.

North City Pure Water Pipeline

Prime Contractor: W.A. Rasic

Construction Project Value: \$117,711,549

Project Start Date: July 2021

Our Projects

City of San Diego Pure Water Phase 1

At the **North City Water Reclamation Plant Expansion and Influent Pump Station** project, Kiewit recently finished 1,153 days with no recordable accidents.

Kiewit has completed the deck for the primary sedimentation tanks and is preparing for the final leak test of the structure. Aeration diffuser installation is underway in the first stage bioreactor. Installation of the underground process pipe and utilities for the new secondary clarifiers continues with the completion of the first clarifier mechanisms and as the clarifiers electrical building. The second stage bioreactor is almost complete with the construction of walls. The gravity filters tank is currently being leak tested, while the Pure Water Influent Pump Station is about to start the under slab utility work for the electrical room.



North City Water Reclamation Plant Expansion and Influent Pump Station

Prime Contractor: Kiewit Infrastructure West Co.

Project Value: \$263,521,632

Project Start Date: August 2021



Metropolitan Biosolids Center Improvements

Prime Contractor: PCL Construction, Inc.

Construction Project Value: \$44,539,002

Project Start Date: September 2021

At the **Metropolitan Biosolids Center** project, PCL Construction has completed the demolition and installation of the fourth thickening centrifuge system, with commissioning set to begin in the coming weeks. Additionally, PCL has purged the biogas system to facilitate the installation of the new valves along the line and resumed underground work at the new flare. The demolition and installation of two out of three pumps at the thickening transfer and raw solids areas have also been completed.

In the centrate area, PCL is finishing the installation of the last centrate pump with commissioning scheduled to commence in the near future. Lastly, in the digester area, PCL has completed the demolition of the mechanical piping and pumps. With installation of new pipes and pumps approximately 75% complete, preparations are underway for the final digester system's commissioning.



Our Projects

City of San Diego Pure Water Phase 1

For the **North City Water Reclamation Plant Flow Equalization Basin** project, Kiewit continued to form walls. Subcontractor, Sonco placed PVC liner on the formwork. Rebar subcontractor, CMC installed rebar across all sections. Kiewit installed vertical thread bars and remaining manway spools within the wall forms. Kiewit poured and striped wall sections. During the construction of the final wall section, Sonco installed PVC liner on the column footing and column formwork and CMC installed the rebar for them. Kiewit formed, poured, and striped the column footings and columns on the interior of the Equalization Basin. Lastly, Kiewit began to erect falsework for the tank deck.

North City Water Reclamation Plant Flow Equalization Basin

Prime Contractor: Kiewit Infrastructure West Co.

Project Value: \$12,327,637

Project Start Date: January 2022

For the **Morena Conveyance South & Middle and Morena Conveyance Bike Lanes** project, Sukut is working northbound along Morena Boulevard to install mainline pipe at night. A separate day time crew continues work on Clairemont Drive to install mainline headed north toward Genesee Avenue. Work in the Tecolote Creek signified a huge milestone for the project, moving Sukut beyond 55% completion.



Morena Conveyance South & Middle and Morena Conveyance Bike Lanes

Prime Contractor: Sukut Construction

Construction Project Value: \$132,057,830

Project Start Date: October 2022

Our Projects

City of San Diego Pure Water Phase 1

The **Miramar Reservoir Pump Station** project is approximately 75% cost complete with 484 of 600 workdays expended. At the pump station, phase 2 of the vertical turbine pump refurbishments is in process. The new generator and switchgear has been delivered. Installation and startup will be completed after the SDG&E upgrades have concluded.



Miramar Reservoir Pump Station Improvements

Prime Contractor: Shimmick Construction, Inc.

Construction Project Value: \$13,031,282

Project Start Date: December 2022



Central Area Small-Scale Facility

Prime Contractor: Filanc Construction

Construction Project Value: \$38,431,331

Project Start Date: September 2023

At the Pure Water **Central Area Small-Scale Facility (CASSF)** project, Filanc has completed most of the structural work and is transitioning into the process equipment installation. Filanc intends to have the process equipment and piping completed in the coming months. From there, Filanc will begin transitioning into electrical terminations and startup.

Our Projects

City of San Diego Pure Water Phase 1



Penasquitos Pump Station Oxygenation System

Prime Contractor: Blue Pacific Engineering

Construction Project Value: \$4,391,767

Project Start Date: February 2023

For the **Penasquitos Pump Station (PQPS) Oxygenation System** project, fabrication is currently occurring for the major equipment required for this project and is expected to be delivered in the coming months. The pipe is currently being designed for the approval of final locations and connections. Core drilling is also in process with final pad designs submitted for approval. Construction is expected to begin soon.

Upcoming Projects



Miramar WTP Caustic Pumping System

Bid Posting: 09/23/24

Bids Due: 11/05/24

Bid Award: N/A as of 09/30/24

OUR PEOPLE

Women in Construction

WOMEN IN CONSTRUCTION



Lorelee Nepomuceno

1st Period Apprentice Electrician
Shimmick Construction, Inc.

North City Pure Water
Facility and Pump Station

Lorelee Nepomuceno is a 1st period apprentice electrician who began working on the North City Pure Water Facility and Pump Station for Shimmick Construction, Inc. (Shimmick) in October 2023.

Lorelee was searching for an alternative to college, already drawn to the construction trades with a strong interest in building things and a desire for a hands-on, mobile career instead of a desk job. After thorough research online, including watching YouTube videos, she decided that construction was the right path for her. Her biggest challenge was figuring out how to get started. She enrolled in the Construction Career Jumpstart (CCJ)

program at the Electrical Training Institute, an introductory course that provides a gateway into the trades, with a focus on electrical work. She credits the CCJ program with providing all the information she needed to start in her electrical construction career. *“If I didn’t attend that program, I would not have gotten here that fast.”*

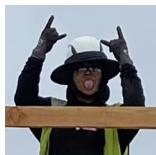
Shimmick has shown their commitment to bolstering gender diversity in the construction industry. Since April 2021, they have hired 23 women to work on the North City Pure Water Facility and Pump Station project. Those 23 females have worked 10,592 hours and been paid over \$634,000 in wages and benefits through September 30, 2024.



Tytiana



Diana



Scarlett Coronado



Lisa Smith



Veterans Working on the Pure Water Program



"The Parties recognize a desire to facilitate the entry into the building and construction trades of veterans who are interested in careers in the building and construction industry. The Contractors and Unions agree to utilize the services of the Center for Military Recruitment, Assessment and Veterans Employment ("Center") and the Center's "Helmets to Hardhats" program to serve as a resource for preliminary orientation, assessment, and construction aptitude, referral to apprenticeship programs or hiring halls, counseling and mentoring, support network, employment opportunities, and other needs as identified by the Parties." (PLA Article 23)

Through the partnership and collaborative efforts of the Project Labor Coordination team with Helmets to Hardhats, the team has helped to successfully jump-start the construction careers of six Helmets to Hardhats veterans on the Pure Water program.



VETERANS WORKING ON PURE WATER

127

Total veteran craft workers hired across all PLA covered Pure Water Phase 1 Projects

5%

Percentage of total craft hours worked by veterans across all PLA covered Pure Water Phase 1 Projects

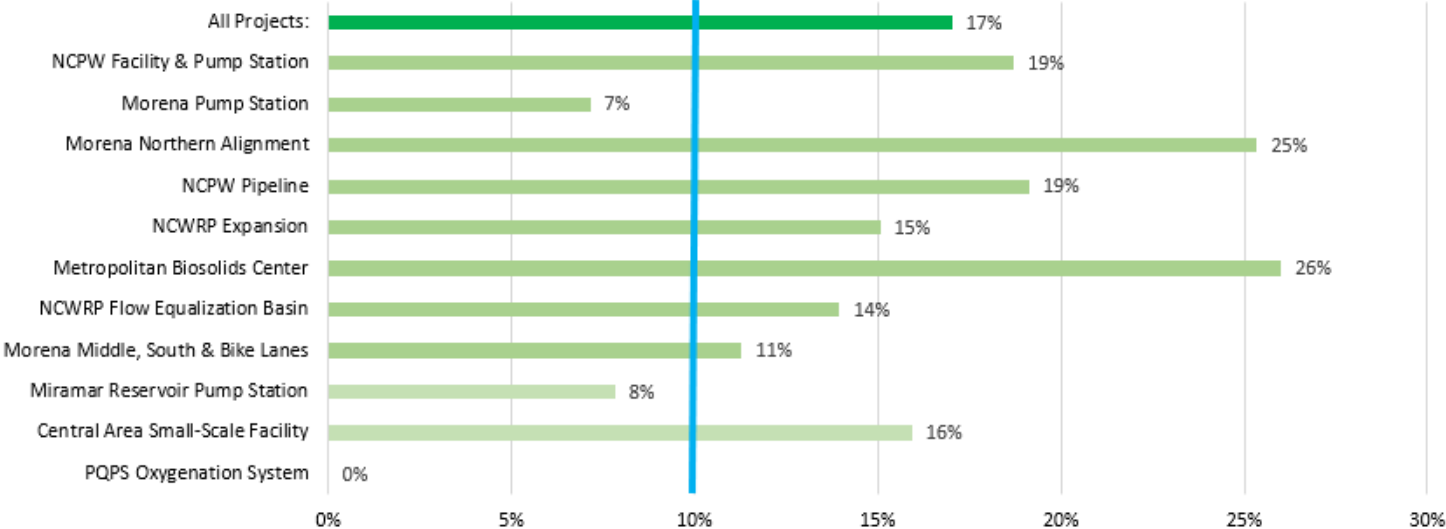
95,990

Total veteran craft hours worked across all PLA covered Pure Water Phase 1 Projects

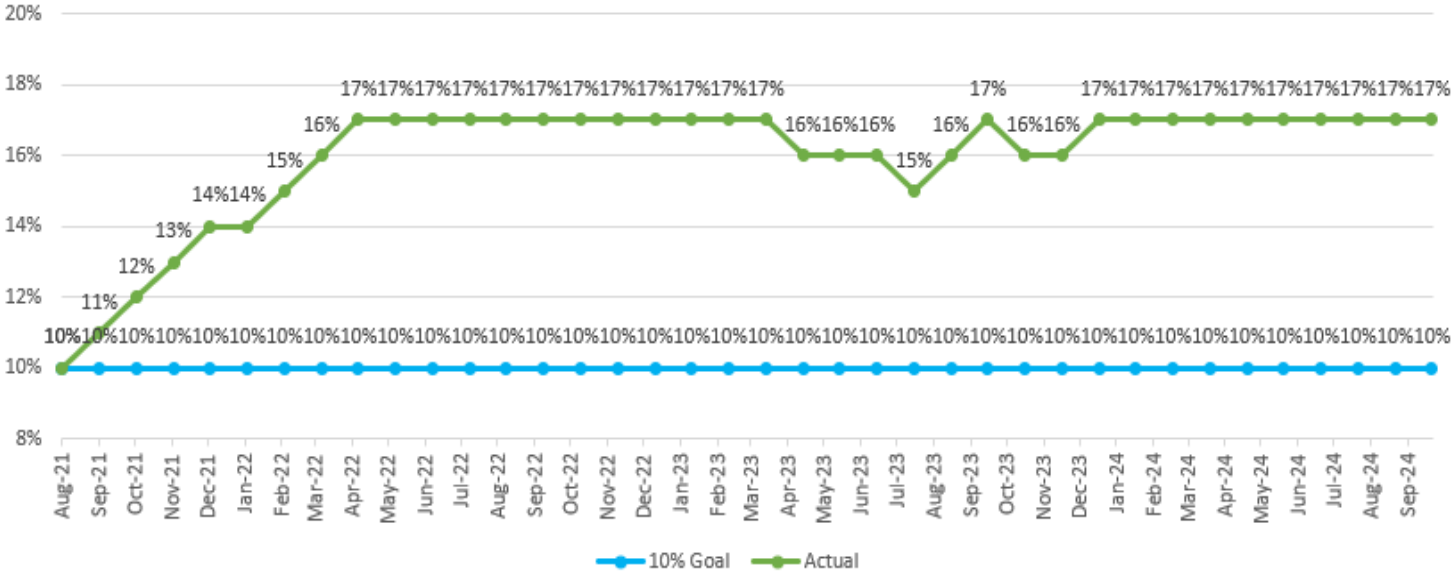
Targeted Worker Hiring

The PLA establishes a goal that at least 10% of the total construction craft hours worked on each project be performed by Targeted Workers. The City of San Diego's Pure Water Phase 1 Program has exceeded the 10% goal with 17% of all craft workers being performed by Targeted Workers.

Pure Water Targeted Goal 10%



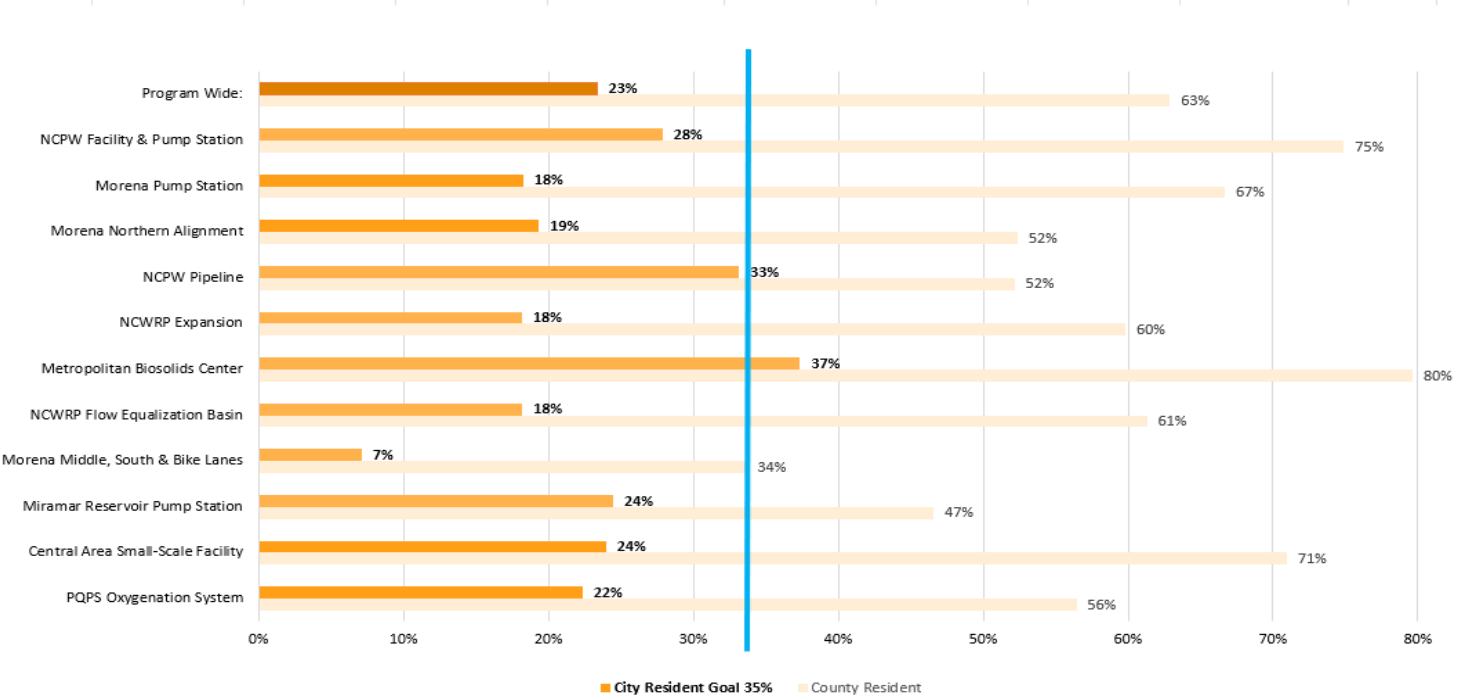
“Targeted Worker” means any individual qualifying for one (1) or more of the following Targeted Worker categories: (a) is a Veteran, or is the eligible spouse of a Veteran of the United States Armed Forces, under Section 2(a) of the Jobs for Veterans Act (38 United States Code [U.S.C.] 4215[a]); (b) at initial time of employment on a Covered Project, is an Apprentice with less than ten (10) percent of the work hours required for graduation to become a Journeyman; (c) has no high school diploma or general education diploma (GED); (d) is homeless or has been homeless within the last year; (e) is a former foster youth; (f) is a custodial single parent; (g) is experiencing protracted unemployment (receiving unemployment benefits for at least three [3] months); (h) is a current recipient of government cash or food assistance benefits; (i) has a documented income at or below 100 percent of the Federal Poverty Level; and/or (j) is formerly incarcerated with a history of involvement with the criminal justice system.”



City Resident Worker Hiring

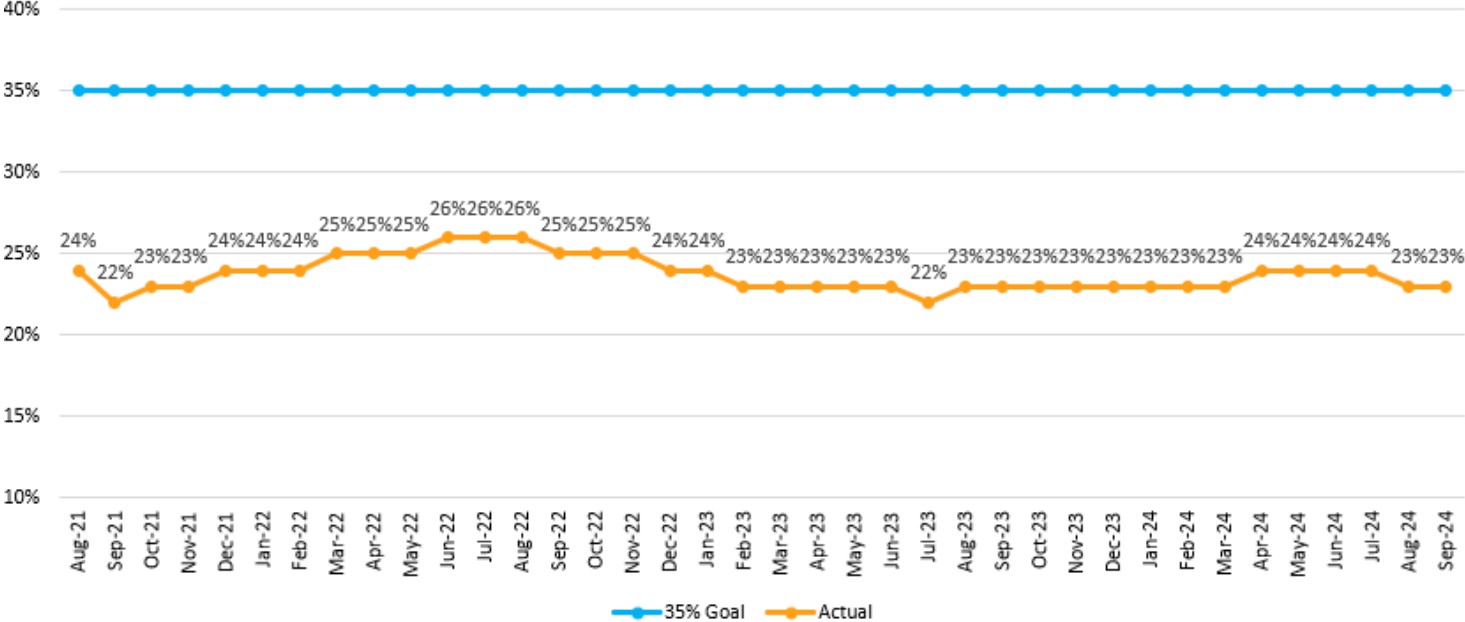
The PLA establishes a goal that at least 35% of the total construction craft hours worked on each project be performed by City Residents. To date 23% of the construction craft hours worked on the Pure Water Phase 1 program are by City Residents.

Pure Water City Resident Goal 35%



City Residents is defined as a City of San Diego permanent resident at the time of initial employment on a Covered Project or a Veteran residing anywhere.

Pure Water Program Wide City Resident Hire Trend Chart



Our Progress

Building on Shared Goals

\$32,767,681

City Resident Wages and Benefits

City Residents received approximately \$32 million in wages and benefits and worked 464,174 hours on Pure Water Phase 1 PLA covered projects.

\$21,508,928

Targeted Worker Wages and Benefits

Targeted Workers received approximately \$21 million in wages and benefits and worked 338,002 hours on Pure Water Phase 1 PLA covered projects.



City Residents

employed on Pure Water Phase 1 PLA covered projects

1,161



Targeted Workers

employed on Pure Water Phase 1 PLA covered projects

566

Metropolitan Biosolids Center Improvements



Apprentice Utilization

Pure Water Phase 1 PLA encourages unions and contractors to cooperate in referring and employing apprentices up to the maximum percentage allowed by the California State Labor Code and the standards of each state-approved apprenticeship program.

Contractors shall be in compliance with California State Labor Code Section 1777.5 (g) apprenticeship requirements which state the minimum apprentice ratio shall be one hour of apprentice work for every five hours of journeyman work (20%).



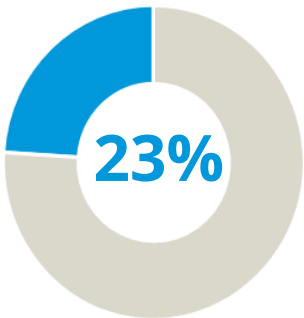
North City Water Reclamation Plant Equalization Basin

315

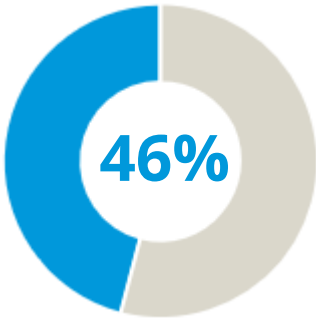
City Residents were employed as apprentices on Pure Water Phase 1 PLA covered projects

323

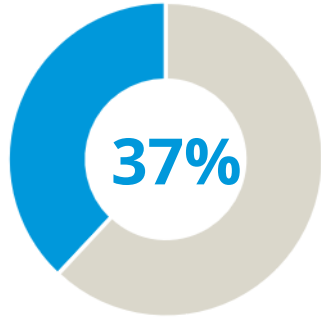
Targeted Workers were employed as apprentices on Pure Water Phase 1 PLA covered projects



23% of all program hours worked were **Apprentice hours**



46% of all apprenticeship hours were worked by **Targeted Workers**



37% of all apprenticeship hours were worked by **City Residents**

Pre-Job Conferences

Each contractor is required to conduct a pre-job conference with the unions. If work that was not previously assigned at a pre-job conference, or additional work is added to the scope, the contractor(s) performing such work will conduct a separate pre-job conference. The purpose of the conference is to, among other things, convey craft manpower needs, the schedule of work for the project, determine project rules and propose preliminary work assignments.

The Project Labor Coordination Team, led by Erik Staples, works with the prime contractor and Building Trades Council to facilitate the scheduling of all pre-job conferences for the program. During the conference, the Project Labor Coordination Team reports current project attainments and monitors employment opportunities for City Residents and Targeted Workers.

144 Pre Job Conferences

Through June 30, 2024

Project Name	Prime Contractor	TOTAL
As Needed Inspection & Survey Services Conveyance Projects	Jacobs	3
As Needed Inspection & Survey Services Treatment & Facilities Projects	Parsons Black & Veatch	5
As Needed Inspection & Survey Interim Short Term Residuals	Stantec	1
Morena Pump Station	Flatiron West, Inc.	23
Morena Northern Alignment and Tunnels	OHL USA, Inc.	15
Morena Conveyance South & Middle and Conveyance Bike Lanes	Sukut Construction	10
NCWRP Flow Equalization Basin	Kiewit Infrastructure West	4
NCWRP Expansion	Kiewit Infrastructure West	12
NCPW Facility and Pump Station	Shimmick Construction	24
NCPW Pipeline	W.A. Rasic Construction	18
Miramar Reservoir Pump Station	Shimmick Construction	8
Metropolitan Biosolids Center	PCL Construction	7
Central Area Small-Scale Facility	Filanc Construction	12
Penasquitos Pump Station Oxygenation System	Blue Pacific Engineering	2
	GRAND TOTAL:	144