

The City of  
**SAN DIEGO**

**Project Labor Agreement - Pure Water Program Phase 1  
Quarterly Progress Report through March 31, 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** approximately 64% cost complete with 684 of 1,065 workdays expended.

Shimmick continues with structural work focusing on the Ozone Facility, Biological Activated Carbon Filters, Process Area and the Administration Building areas. Work continues on the Chemical Systems Tank Farm, Main Electrical Building and various site yard piping. Above grade mechanical is underway.

Shimmick has completed approximately 89% of the structural concrete work, 76% of the mechanical work, 88% of the civil work, 60% of the electrical work and 77% of project procurement.

Shimmick will begin structural work in Pure Water facility pump station and begin preparations for startup of the overall facility.



## North City Pure Water Facility and Pump Station

Prime Contractor: Shimmick Construction, Inc.

Project Value: \$368,321,344

Project Start Date: April 2021



At the **Morena Pump Station**, Flatiron has successfully excavated, prepared the subgrade and placed and placed approximately 2,400-cubic yards of structural concrete foundation.

Construction of the Pump Station lower walls will begin soon. Work on Friars Road included the completion of the of the soil freeze system and beginning of ground freeze operations at Diversion Structure 3A. Phase two of the soil freeze operations at this location include the installation of 50-foot deep freeze piping. Once the freeze has developed, Flatiron will resume excavation.

## Morena Pump Station

Prime Contractor: Flatiron West, Inc.

Project Value: \$132,251,254

Project Start Date: June 2021

# Our Projects

City of San Diego Pure Water Phase 1

For the **Morena Conveyance Northern Alignment** project:

- OHL has resumed work at Interstate-805 and has approximately two months of work remaining to convert the tunnel boring operation to an open face excavation operation.
- The Towne Center dig and lay operation is moving southbound and is partially complete. Temporary caps have been placed in preparation of pressure testing up to the Interstate-805 jacking shaft. Crews have approximately 500-feet of trench paving that remain on Towne Center. Once paving is complete, the crew will start moving westbound on Nobel Drive.
- The Genesee Avenue dig and lay is moving northbound and is complete up to Luigi Terrace from Governor Drive. After shifting traffic to northbound lanes from Centurion to Luigi, the crew relocated to the Rose Canyon South Jacking Shaft adjacent to Centurion and began excavation towards Luigi.



## Morena Conveyance Northern Alignment

Prime Contractor: OHL USA, Inc.

Project Value: \$102,805,687

Project Start Date: July 2021



On the **North City Pure Water Pipeline** project, W.A. Rasic has completed over 27,000- linear feet of 48-inch pipe installation.

The Interstate-15 Tunnel is roughly 50% complete to date. The NCTD Pipe Bridge has been completed.

Subaqueous high-density polyethylene (HDPE) installation is ongoing with majority of the mainline installed.

Construction on the Dechlorination Facility is set to begin in the near future.

## North City Pure Water Pipeline

Prime Contractor: W.A. Rasic

Construction Project Value: \$110,575,723

Project Start Date: July 2021

# Our Projects

City of San Diego Pure Water Phase 1

At the **North City Water Reclamation Plant Expansion**, Kiewit recently finished 970 days with no recordable accidents.

Kiewit is almost finished placing the concrete. They are working on the last section of Aeration Basin and Primary Sedimentation Tank. They are off to a good start on the concrete work for the Second Stage Aeration Basin and New Filters. Hydro test and mechanism coating at Clarifier 3 and 4 has been completed. Installation is about to begin. Kiewit has also installed, tested and commissioned Grit Aeration Blowers, Scum Concentrator, Grit Cyclone, and Influent Pump, as well as about to start installing the High Pressure Utility Water Pumps. Installation of the 32-inch Stainless Steel Pipe in the existing aeration basin is wrapping up, and Kiewit has finished the deep shored excavation for the 96-inch mainline piping. Electrical has installed over 30% of the above ground conduit and has started pulling cable.



## North City Water Reclamation Plant Expansion and Influent Pump Station

Prime Contractor: Kiewit Infrastructure West Co.

Project Value: \$260,051,987

Project Start Date: August 2021



At the **Metropolitan Biosolids Center**, PCL Construction has demolished the second digester and finished installing eight new pumps, one biogas system, a pipe improvement, and made the electrical changes to the digester. They have also finished the commissioning of one thickening centrifuge and are now working on the second.

## Metropolitan Biosolids Center Improvements

Prime Contractor: PCL Construction, Inc.

Construction Project Value: \$42,673,159

Project Start Date: September 2021

# Our Projects

City of San Diego Pure Water Phase 1



For the **North City Water Reclamation Plant Flow Equalization Basin**, Kiewit finished pouring the 8-inch and 10-inch utility water high pressure line and 24-inch foul air fiberglass reinforced plastic pipe primary effluent pipe encasements and backfilled the encasements.

Kiewit graded the soil and placed 2-feet of base for the equalization basin slab on grade.

CMC Rebar has completed the installation of the basin slab rebar. Kiewit installed seismic cables in the basin slab as well as formed, poured and stripped the basin slab. Kiewit also began the fabrication of the basin wall forms.

## North City Water Reclamation Plant Flow Equalization Basin

Prime Contractor: Kiewit Infrastructure West Co.

Project Value: \$11,897,637

Project Start Date: January 2022

For the **Morena Conveyance South & Middle and Conveyance Bike Lanes** project, Sukut is installing 48-inch and 30-inch pipes on Napa Street and Morena Boulevard, along Clairmont Drive between Hartford Street and Burgner Boulevard, and on Clairmont Drive between Dakota Drive and Rappahannock Avenue.



## Morena Conveyance South & Middle and Conveyance Bike Lanes

Prime Contractor: Sukut Construction  
Construction Project Value: \$130,070,930  
Project Start Date: October 2022

# Our Projects

City of San Diego Pure Water Phase 1

The **Miramar Reservoir Pump Station** project is approximately 62% cost complete with 359 of 600 workdays expended. Phase 1 of the vertical Turbine Pump Refurbishments is nearing completion. Electrical improvements are ongoing, including switchgear improvements and completion of the PLC upgrades and programming.

Solar switchgear distribution panels have been installed with third party acceptance testing to be completed.



## Miramar Reservoir Pump Station Improvements

Prime Contractor: Shimmick Construction, Inc.

Construction Project Value: \$12,861,448

Project Start Date: December 2022



## Central Area Small-Scale Facility

Prime Contractor: J.R. Filanc Construction

Construction Project Value: \$38,431,331

Project Start Date: September 2023

The Pure Water **Central Area Small-Scale Facility (CASSF)** has continued to progress from a civil and structural standpoint. The project is approximately 60% complete with processing the existing grade on site, crews have completed pouring our exterior walls, which lock in the outer boundaries of the project are complete.

J.R. Filanc Construction will be working on grading and backfilling the site to prepare for the pouring of slabs for process equipment. Installation of a duct bank for CASSF facilities main power supply and to install the water supply lines to the new CASSF facility has begun.

# 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**, Blue Pacific began working on submittals and procurement of major equipment. Fabrication is currently underway for the major equipment required for this project. Blue Pacific is scheduled to mobilize and begin work on the equipment pads and setting the major oxygenation systems.

# Our People

Veterans in Construction & Helmets to Hardhats

## VETERANS WORKING ON PURE WATER



Flatiron hires Helmets to Hardhats Veterans on the City of San Diego Pure Water Morena Pump Station Project.





# Our People

Veterans in Construction & Helmets to Hardhats



## Douglas Robledo Lopez

US Marine Corps Veteran and City of San Diego Resident  
Carpenter 1st Period Apprentice

**Douglas Robledo Lopez** is a U.S. Marine Corps Veteran, who was sponsored by Flatiron West as a first period carpenter apprentice at the Morena Pump Station project.

Douglas registered on the Helmets to Hardhats website and within a month, he was hired onto the Morena Pump Station project. He has been site for a few months and has learned a lot of new skills on the job. Douglas was able to train through a military based apprenticeship program, where he learned the basics of construction including using and reading a measuring tape, hammer and more.

During his time in the Marines, Douglas learned how to work with different kinds of people and build a strong work ethic. He feels these skills have helped him transition into his new role. His advice to anyone thinking of joining the union is, **"Do it. It's definitely worth it"**.



## VETERANS WORKING ON PURE WATER

97

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

66,918

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

# Our People

Working with Our Community Partners



## Pure Water Contractors sponsor San Diego College of Continuing Education Foundation (SDCCEF) Apprenticeship Readiness Program Graduates.

### Brandon Campbell

City of San Diego Resident  
Laborer, 1st Period Apprentice



**Brandon Campbell** is a City of San Diego resident and graduate of the SDCCEF Apprenticeship Readiness Program and is working on the North City Pure Water Facility project as a first period laborer apprentice for Shimmick Construction Company.

Brandon attended the SDCCEF Apprenticeship Readiness Program and said, "it was something I never thought existed and for them to care that much...it's well worth it." After completing the program, he found his opportunity with Shimmick.

Brandon says throughout his journey, he found the motivation in himself to make it happen. **"I want it. I'm doing it. So that's what I did."**



**Douglas Hughes** is a City of San Diego resident and graduate of the SDCCEF Apprenticeship Readiness Program and is working on the Morena Pump Station project as a first period Laborer apprentice for Flatiron West, Inc.

When he started the SDCCEF Apprenticeship Readiness Program, he discovered the trades and "everything just fell into place." He is on-site learning about the ins-and-outs of his new trade and how to work safely.

His advice for anyone thinking of joining the union is to **"figure out which trade is best for you and give it everything you've got."**



### Douglas Hughes

City of San Diego Resident  
Laborer, 1st Period Apprentice



## WHERE ARE THEY NOW?

### Echo Fenner

SDCCEF Apprenticeship Readiness Program  
Laborers, 4th Period Apprentice

Echo Fenner attended and graduated the SDCCEF Apprenticeship Program March in 2022. She passed the Laborers Local 89 boot camp and completed the laborers welding program.

Echo was hired by PCL Construction in October 2022 as a first period apprentice on the Metro Biosolids Improvement project. She completed her work with PCL in December 2023 and was quickly hired by Kiewit Infrastructure West on the North City Water Reclamation Plant Expansion project. Today, she is a fourth period apprentice.

In her apprenticeship journey, she has learned that communication with your team is key, no matter what level package through Laborers Local 89 and is grateful for Laborers Local 89's leadership.

In the future, Echo hopes to become a business agent and get more involved in seeing women succeed in the construction industry.



**Building Futures.  
Securing Careers.**

### Nathan Searcy

U.S. Navy Veteran, Helmets to Hardhats  
Carpenter / Millwright, 7th Period Apprentice

Nathan is a U.S. Navy Veteran with Helmets to Hardhats who began his construction career with Shimmick Construction as a first period carpenter apprentice in June 2021. He will have been a union member and with Shimmick for three years in June 2024 and is now a seventh period apprentice.

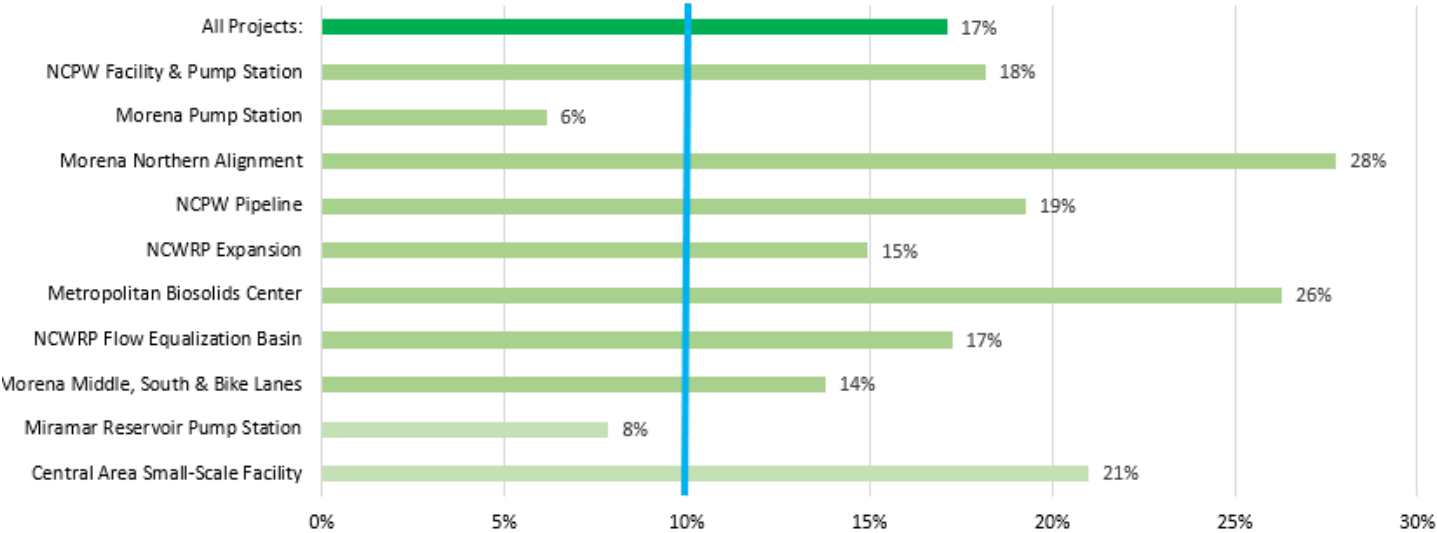
In his apprenticeship journey, he's beginning to feel the sense of accomplishment from completing large scale projects. He is grateful for the union wages and fringe benefits and how they have positively impacted his growing family. He says, "I couldn't have dreamed that I would have all of this while I'm still in my twenties."



## Targeted Worker Hiring

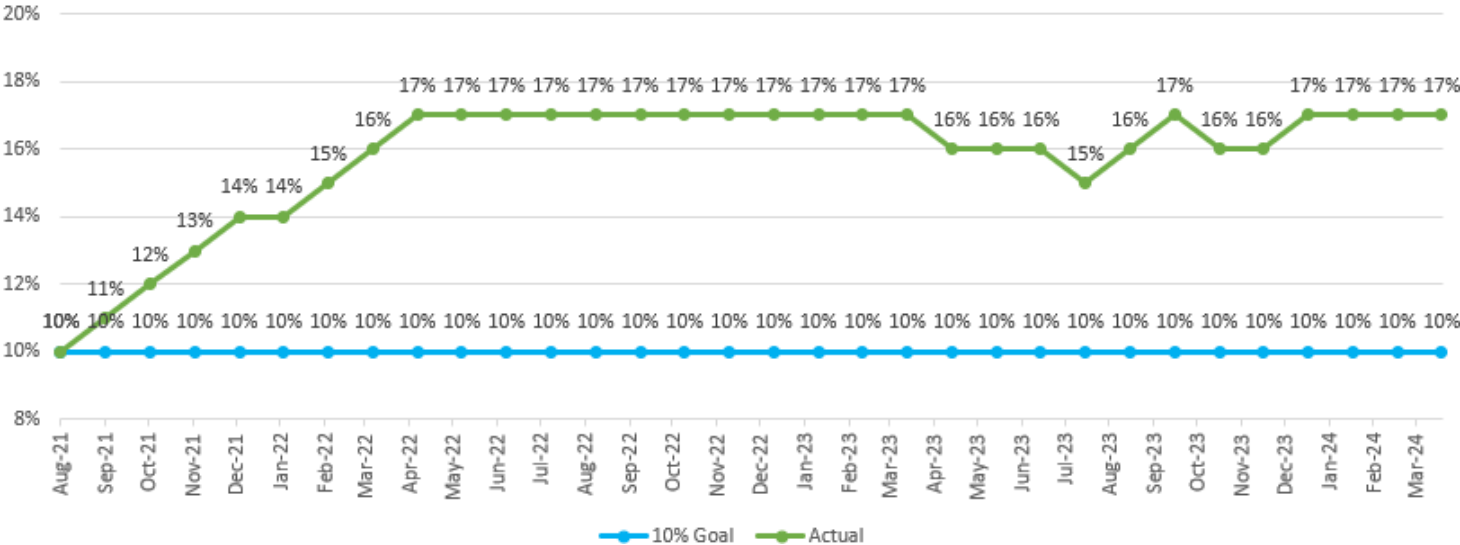
The PLA establishes a goal that at least 10% of the total construction craft hours worked on each project be performed by Targeted Workers. The City of San Diego's Pure Water Phase 1 Program has exceeded the 10% goal with 17% of all craft workers being performed by Targeted Workers.

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.”

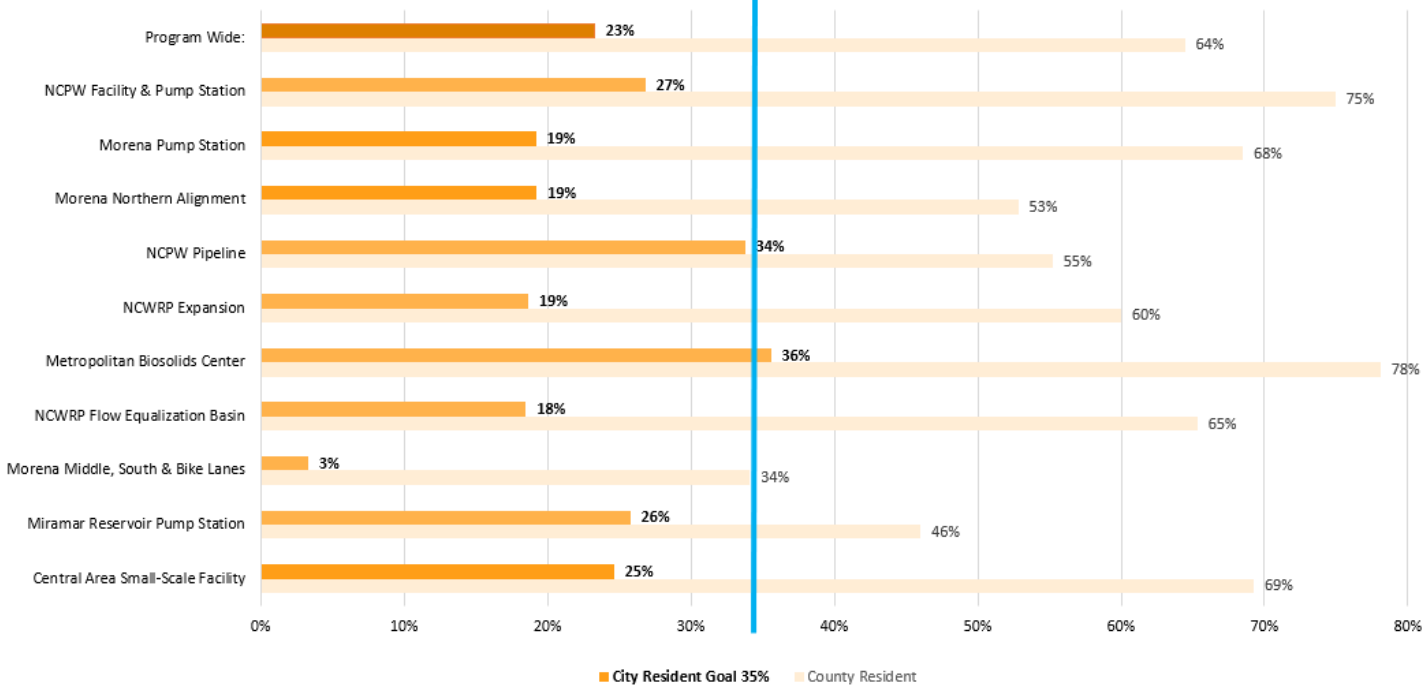
Pure Water Program Wide Targeted Worker Hire Trend Chart



## City Resident Worker Hiring

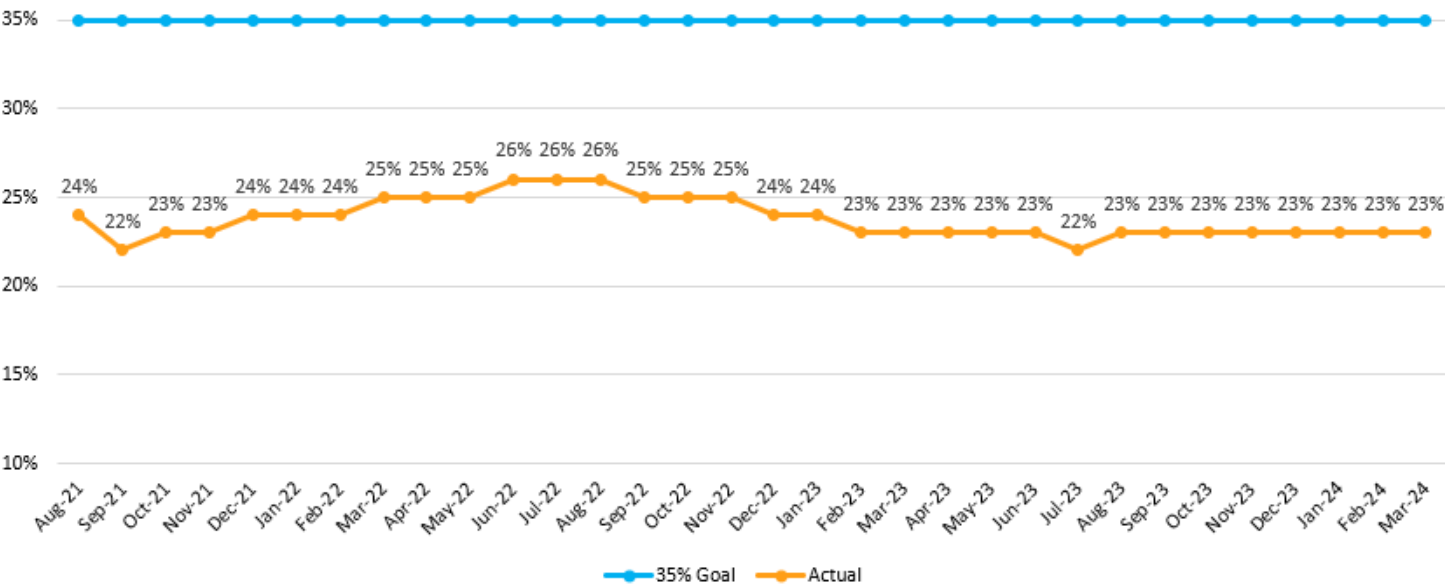
The PLA establishes a goal that at least 35% of the total construction craft hours worked on each project be performed by City Residents. Nearly 23% of the construction craft hours worked on the Pure Water Phase 1 program are by City Residents.

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

## \$23,685,726

### City Resident Wages and Benefits

City Residents received approximately \$23 million in wages and benefits and worked 338,431 hours on Pure Water Phase 1 PLA covered projects.

## \$15,494,940

### Targeted Worker Wages and Benefits

Targeted Workers received approximately \$12 million in wages and benefits and worked 248,565 hours on Pure Water Phase 1 PLA covered projects.



### City Residents

employed on Pure Water Phase 1 PLA covered projects

# 950



### Targeted Workers

employed on Pure Water Phase 1 PLA covered projects

# 465

Morena Conveyance South, Middle and Bike Lanes



## 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 State Labor Code and the standards of each state-approved apprenticeship program.

Contractors shall be in compliance with the 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%).

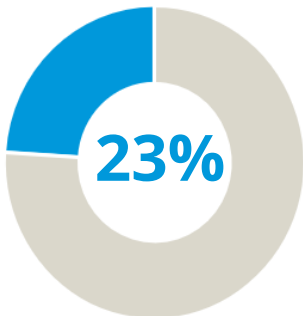


260

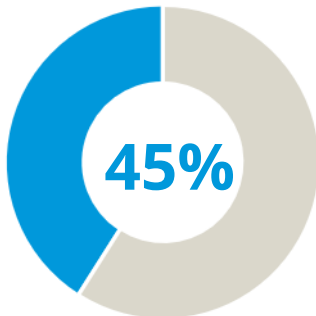
City Residents were employed as apprentices on the Pure Water Phase 1 PLA covered projects

270

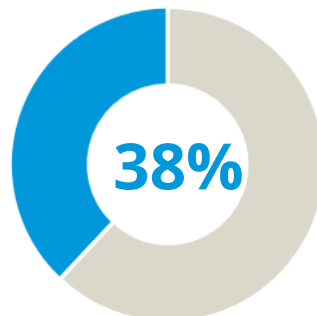
Targeted Workers were employed as apprentices on the Pure Water Phase 1 PLA covered projects



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



45% of all apprenticeship hours were worked by **Targeted Workers**



38% 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 Lea Fields-Bernard, 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.

# 127 Pre Job Conferences

Through March 31, 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.	21
Morena Northern Alignment and Tunnels	OHL USA, Inc.	15
Morena Conveyance South & Middle and Conveyance Bike Lanes	Sukut Construction	8
NCWRP Flow Equalization Basin	Kiewit Infrastructure West	4
NCWRP Expansion	Kiewit Infrastructure West	12
NCPW Facility and Pump Station	Shimmick Construction	21
NCPW Pipeline	W.A. Rasic Construction	16
Miramar Reservoir Pump Station	Shimmick Construction	7
Metropolitan Biosolids Center	PCL Construction	6
Central Area Small-Scale Facility	J.R. Filanc Construction	8
	<b>GRAND TOTAL:</b>	127