



The City of
SAN DIEGO

**Project Labor Agreement - Pure Water Program Phase 1
Quarterly Progress Report through December 31, 2023**

Central Area Small Scale Facility

Our Projects

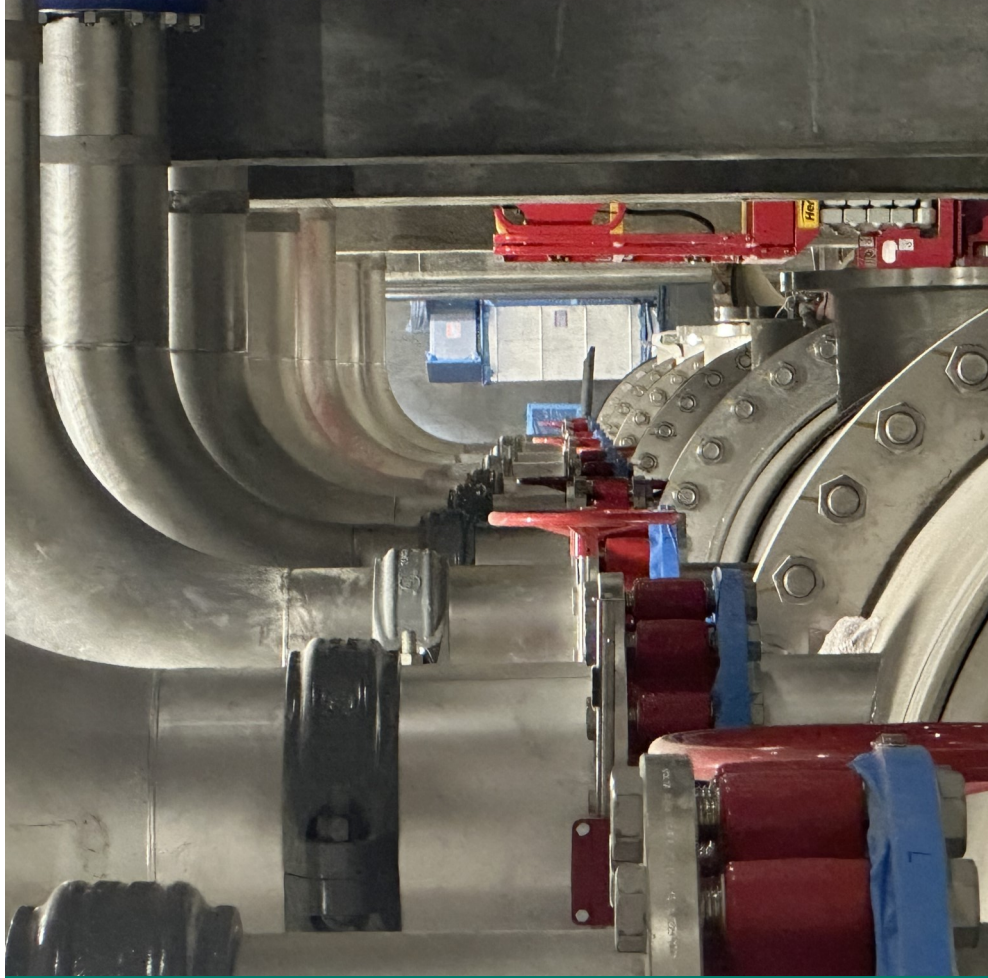
City of San Diego Pure Water Phase 1

The end of the quarter finds the **North City Pure Water Facility and Pump Station** approximately 59% cost complete with 629 of 1,052 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.

Shimmick has completed approximately 87% of the structural concrete work, 70% of the mechanical work, 75% of the civil work, 45% of the electrical work, and 64% of project procurement.

Shimmick continues with yard piping and process piping inhibitors. Mechanical work continues with material procurement and coordination with ongoing structural work.



North City Pure Water Facility and Pump Station

Prime Contractor: Shimmick Construction, Inc.

Project Value: \$367,187,535

Project Start Date: April 2021



At the **Morena Pump Station**, Flatiron recently completed the excavation for the pump station and screening facility and has started the construction of the pump station slab on-grade. Flatiron will be working on the installation of concrete formwork and rebar to build the new pump station and screening facility.

Off-site on Friars Road, Flatiron has installed soil freeze piping and infrastructure for continuing excavation at Diversion Structure 3A. Flatiron will continue to work on Diversion Structure 1.

Morena Pump Station

Prime Contractor: Flatiron West, Inc.

Project Value: \$130,914,465

Project Start Date: June 2021

Our Projects

City of San Diego Pure Water Phase 1

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

- Open cut pipe installation and asphalt paving have been completed just past the Governor Drive intersection. The pipeline and traffic control installation continued north of Governor Drive to Luigi Terrace.
- Work continued in the open cut casing under State Route 52 in Caltrans right of way. OHL has faced setbacks due to issues on casing alignment installation.
- San Clemente tunneling work is expected to resume soon.
- At Towne Centre Drive, the pipe has been installed and pavement patching has been provided adjacent to University Town Centre Mall (Westfield UTC). Pipe installation continued southbound to just north of Excalibur Way.
- Interstate 805 tunneling is expected to resume soon with new means and methods due to excessive boulders.



Morena Conveyance Northern Alignment

Prime Contractor: OHL USA, Inc.

Project Value: \$102,083,276

Project Start Date: July 2021



On the **North City Pure Water Pipeline** project, W.A. Rasic (WAR) has completed over 21,000 linear feet of 48-inch pipe installation.

The Miramar Reservoir Tunnel has been completed, including the removal of the tunnel boring machine from the bottom of the reservoir.

Subaqueous high-density polyethylene (HDPE) installation has begun, including the float and sink of 1,800 linear feet of 54-inch HDPE.

The Dechlorination Facility is set to begin in the near future. WAR is planning to start the Interstate 15 tunnel crossing.

North City Pure Water Pipeline

Prime Contractor: W.A. Rasic

Construction Project Value: \$107,427,819

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 879 days with no recordable accidents, continuing their goal of finishing the project accident-free.

Kiewit is nearing completion of the concrete work for the Secondary Clarifiers and is preparing to transition to the mechanical process equipment. The Primary Sedimentation tanks and Bioreactors are continuing with concrete work making significant progress. The Tertiary Filters and Pure Water Influent Pump Station have begun. Electrical and mechanical work at the existing facilities are progressing. The large diameter underground pipe connecting the Bioreactors to the Secondary Clarifiers is nearing completion.



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 (PCL) has completed the commissioning of the second dewatering centrifuge and its associated pump and installed the structural steel for the elevated platform around the units. PCL started the commissioning of two of the five thickening centrifuges and its associated feed and four polymer pumps.

In the grit area, PCL is nearly complete with the structural steel around the new teacup and has started the layout work to replace the existing pipework.

At the digesters, PCL has completed the third party inspections for all the new breakers for the pumps, as well as completed all the preliminary communication checks between the new actuators, the master control station and the distributed control system. This work is in preparation for the commissioning of digester 2.

Metropolitan Biosolids Center Improvements

Prime Contractor: PCL Construction, Inc.

Construction Project Value: \$41,874,667

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 completed installation of the 8 to 10-inch utility water high pressure (UWHP) line and 24-inch foul air fiberglass reinforced plastic (FRP) pipe and began work on the 36-inch FRP primary effluent pipe.

CMC Rebar placed the top mat of the 8 to 10-inch UWHP and the bottom mat of the 24-inch foul air FRP pipe and 36-inch FRP primary effluent pipe.

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 continued to install 48-inch and 30-inch pipes along Clairemont Drive between Burgener Boulevard and Dakota Drive. This work will continue northward.

A second crew began work on Sherman Street on the south end of the job and will continue working along Morena Boulevard.



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 52% cost complete with 297 of 600 workdays expended. Phase 1 of the vertical Turbine Pump Refurbishments on the first two of six pumps, was ongoing. Inspection of pump barrels for the first two pulled pumps was completed. The pump rehabilitation continues with reinstallation scheduled. Phase 2 will commence after the first two pumps undergo startup and testing.

Installation of 4,292 photovoltaic panels was completed during racking, supported by 15,000 32-pound concrete ballasts, 1,000 linear feet of cable tray, 64,000 linear feet of cable and 20 inverters. Solar switchgear distribution panels will be installed and will be followed by acceptance testing.



Miramar Reservoir Pump Station Improvements

Prime Contractor: Shimmick Construction, Inc.

Construction Project Value: \$12,692,000

Project Start Date: December 2022



The Pure Water **Central Area Small-Scale Facility (CASSF)** has completed the demolition work for the Pure Water test facility.

With the new allotted footprint, J.R. Filanc Construction (JRF) has conditioned the soil in areas three, seven and eight. Soil conditioning should be completed soon.

Condon Johnson has begun their Cast-in-Drilled-Hole (CIDH) pile operation to help stabilize the concrete pad needed for the Pure Water test facility. Once Condon Johnson completes all CIDH piles, JRF will commence pouring the pads for the new demonstration facility.

Central Area Small-Scale Facility

Prime Contractor: J.R. Filanc Construction

Construction Project Value: \$38,431,331

Project Start Date: September 2023

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. Upon completion of the fabrication, Blue Pacific will begin construction.

Our People

Veterans in Construction & Helmets to Hardhats



“It’s a hard job, but it’s a rewarding job at the same time.”



ROBERT CRESSWELL

Laborer, First Period Apprentice
Marine Corps Veteran
W.A. Rasic Construction
North City Pure Water Pipeline

Robert Cresswell is a United States Marine Corps Veteran who is a Laborer and first period apprentice at the North City Pure Water Pipeline Project for W.A. Rasic Construction.

Robert began his construction career in Georgia where he worked for a non-union contractor. Robert’s friend, Joseph Collins, a Helmets to Hardhats Veteran who also works on the Pure Water Program, referred him. While still living in Georgia, W.A. Rasic received Robert’s referral and resume and committed to sponsoring him as soon as he passed the Laborer’s boot camp.

Robert appreciates working for W.A. Rasic as part of Laborers Local 89 as the projects are more organized, safety is top priority and the benefits are better than what he’s had before. He feels that his time in the military has helped him prepare physically and mentally for the challenging yet rewarding work he does now.

His advice for anyone thinking of beginning their construction career is to prepare yourself, and be okay with working hard and making mistakes. “I understand it’s a hard job, but it’s a rewarding job at the same time.”



VETERANS WORKING ON PURE WATER

85

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

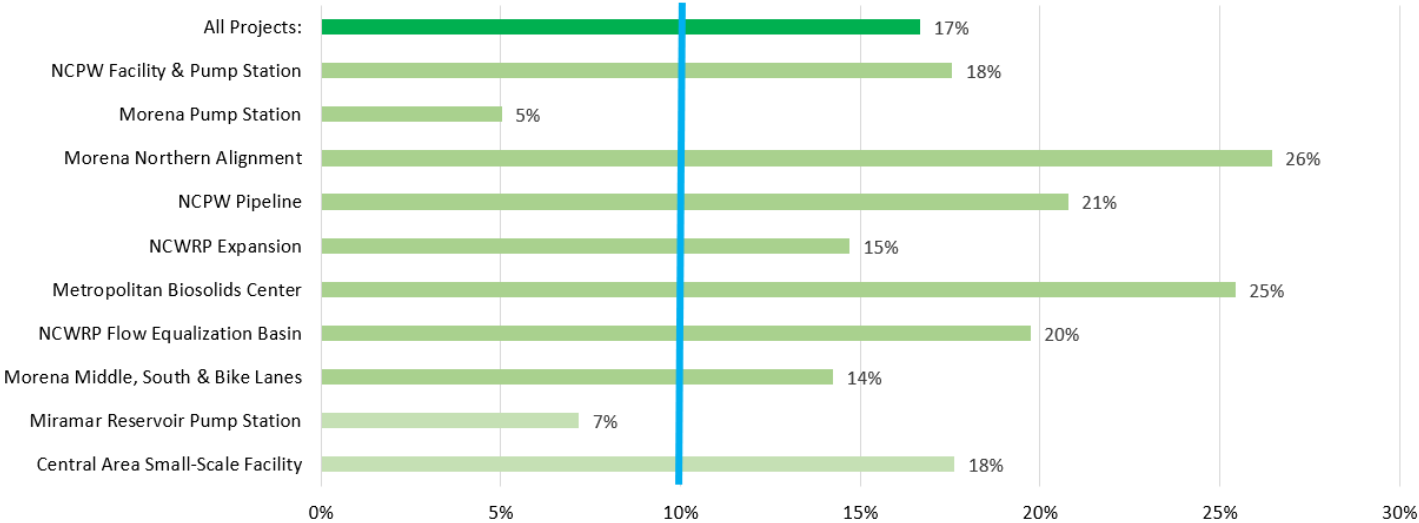
54,965

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

Targeted Worker Hiring

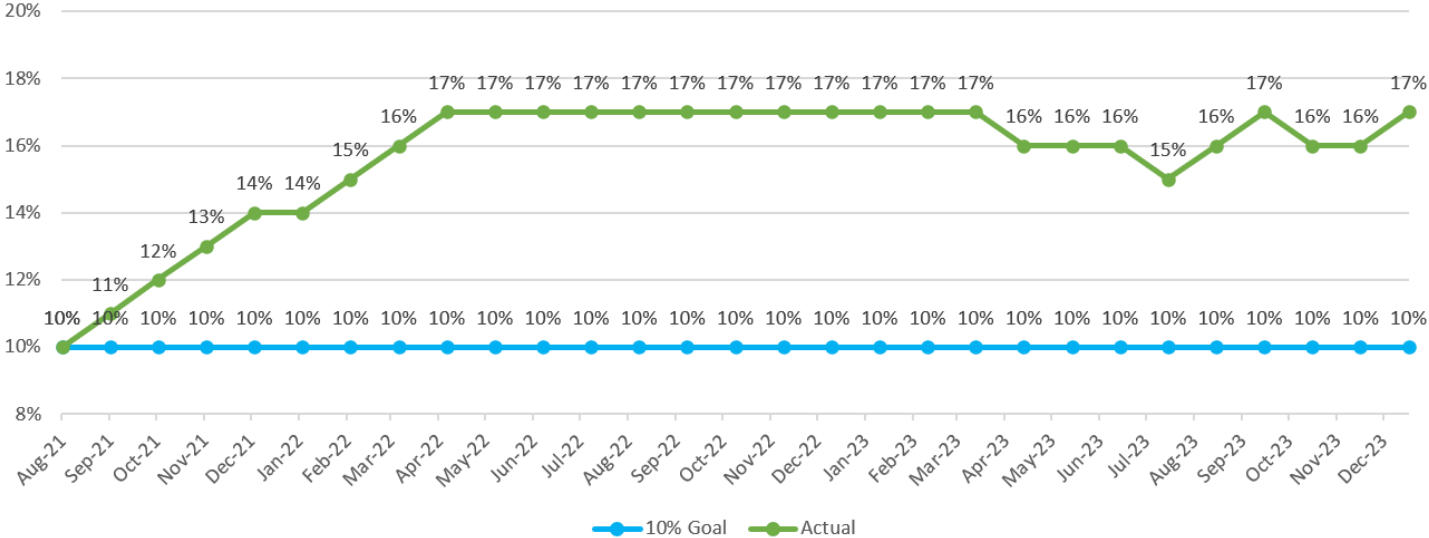
The PLA establishes a goal that at least 10% of the total construction craft hours worked on each project be performed by Targeted Workers. The City of San Diego's Pure Water Phase 1 Program has exceeded the 10% goal with 17% of all craft workers being performed by Targeted Workers.

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.”

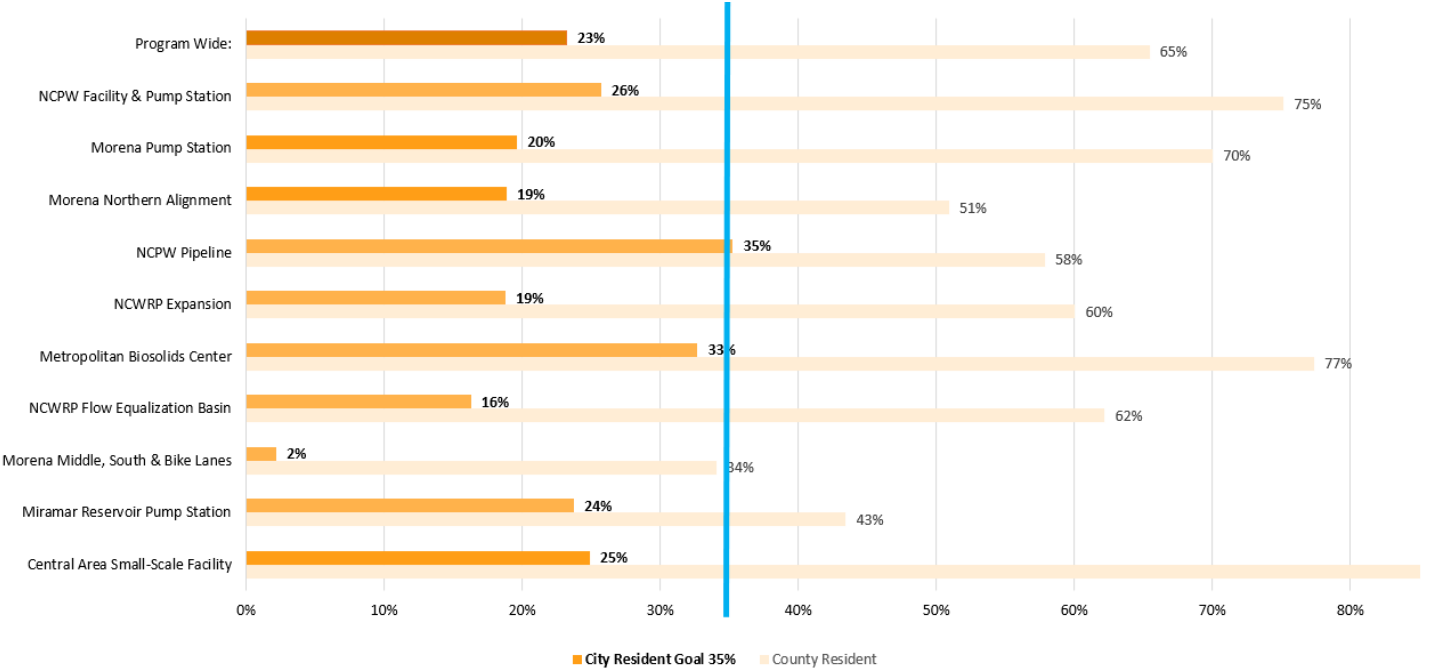
Pure Water Program Wide Targeted Worker Hire Trend Chart



City Resident Worker Hiring

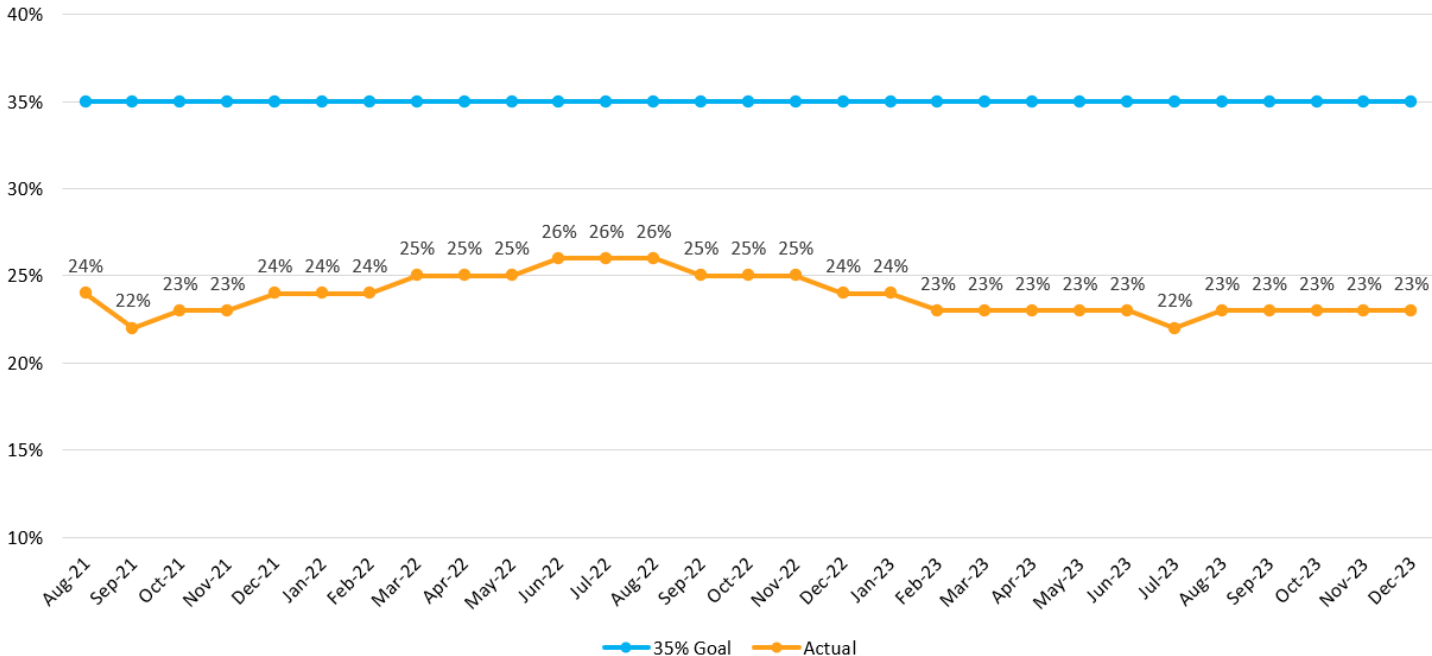
The PLA establishes a goal that at least 35% of the total construction craft hours worked on each project be performed by City Residents. Nearly 25% of the construction craft hours worked on the Pure Water Phase 1 program are by City Residents.

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

\$19,416,420

City Resident Wages and Benefits

City Residents received approximately \$19 million in wages and benefits and worked 277,006 hours on Pure Water Phase 1 PLA covered projects.

\$12,399,310

Targeted Worker Wages and Benefits

Targeted Workers received approximately \$12 million in wages and benefits and worked 198,674 hours on Pure Water Phase 1 PLA covered projects.



City Residents

employed on Pure Water Phase 1 PLA covered projects

807



Targeted Workers

employed on Pure Water Phase 1 PLA covered projects

396

North City Water Reclamation Plant Expansion and Influent Pump Station



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%).



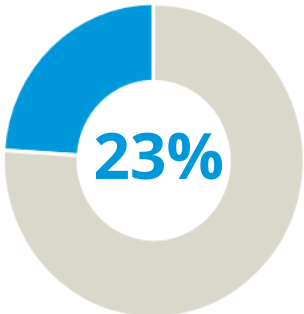
Central Area Small Scale Facility

214

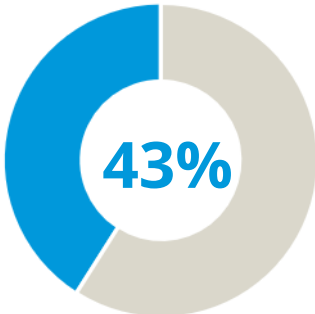
City Residents were employed as apprentices on the Pure Water Phase 1 PLA covered projects

221

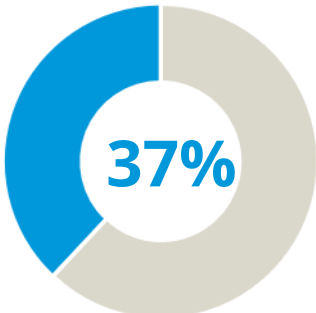
Targeted Workers were employed as apprentices on the Pure Water Phase 1 PLA covered projects



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



43% 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 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.

110 Pre Job Conferences

Through December 31, 2023

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.	20
Morena Northern Alignment and Tunnels	OHL USA, Inc.	11
Morena Conveyance South & Middle and Conveyance Bike Lanes	Sukut Construction	7
NCWRP Flow Equalization Basin	Kiewit Infrastructure West	4
NCWRP Expansion	Kiewit Infrastructure West	11
NCPW Facility and Pump Station	Shimmick Construction	17
NCPW Pipeline	W.A. Rasic Construction	13
Miramar Reservoir Pump Station	Shimmick Construction	7
Metropolitan Biosolids Center	PCL Construction	6
Central Area Small-Scale Facility	J.R. Filanc Construction	5
	GRAND TOTAL:	110