



The City of  
**SAN DIEGO**

**Project Labor Agreement - Pure Water Program Phase 1  
Quarterly Progress Report through September 30, 2023**



# OUR PROJECTS

## City of San Diego Pure Water Phase 1



### North City Pure Water Facility and Pump Station

Prime Contractor: Shimmick Construction, Inc.

Project Value: \$366,480,210

Project Start Date: April 2021

The end of the quarter finds the **North City Pure Water Facility and Pump Station** approximately 56% cost complete with 572 workdays of 1,052 workdays expended.

Shimmick continues with structural work focusing on areas Ozone Facility, Biological Activated Carbon Filters, Process Area, and the Administration Building. Newly undertaken work includes the Chemical Systems Tank Farm, Main Electrical Building and various site yard piping.

Shimmick has completed approximately 82% of the structural concrete work, 66% of the mechanical work, 72% of the civil work, 43% of the electrical work, and 63% of project procurement.

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



### Morena Pump Station

Prime Contractor: Flatiron West, Inc.

Project Value: \$130,013,216

Project Start Date: June 2021

At the **Morena Pump Station**, the installation of the alternative shoring system was completed by the shoring subcontractor, Condon Johnson. Flatiron began excavation activities for both the Pump Station and Screenings Facility which is expected to continue for four to six weeks.

Off-site on Friars Road, Flatiron has installed both the 60-inch and 72-inch diameter sewer by-pass equipment in two of the new Concrete Diversion Structures. Concrete Diversion Structures 1 and 2 are continuing. Flatiron has mobilized the Soil Freeze drilling subcontractor and has begun installing subsurface freeze pipe wells at Division Structure 3A. Clean up and partial demobilization activities are now underway on sections of Friars Road.

# OUR PROJECTS

## City of San Diego Pure Water Phase 1



### Morena Conveyance Northern Alignment

Prime Contractor: OHL USA, Inc.  
Project Value: \$101,386,647  
Project Start Date: July 2021



### North City Pure Water Pipeline

Prime Contractor: W.A. Rasic  
Construction Project Value: \$105,735,510  
Project Start Date: July 2021

For the **Morena Conveyance Northern Alignment** project, on Genesee Avenue:

- Heading 1: Open-cut pipe installation has been completed from Radcliffe Avenue to Governor Drive. Asphalt pavement has been completed in the Caltrans right-of-way, and excavation has started on Governor Drive.
- Heading 2: Open-cut casing in the Caltrans right of way was completed, coordinating to start feeding carrier pipes.
- Heading 3: McMahon Engineering is working on the San Clemente receiving shaft; operation is on hold waiting on traffic control modifications.

At Towne Centre Drive, the heading is digging adjacent to University Town Center Mall (Westfield UTC) and work continues to the second driveway crossing. Asphalt paving was completed from La Jolla Village to the first driveway of Westfield UTC. The pipe installation will continue to head south toward Nobel Drive.

At the I-805 tunnel on Executive Drive, the operation is on hold as the parties discuss modifying the current means and methods due to excessive boulders.

On the **North City Pure Water Pipeline** project, W.A. Rasic (WAR) has completed over 19,000 lineal feet of 48-inch pipe installation.

The Miramar Reservoir Tunnel is ongoing with tunnel daylight expected.

The Subaqueous Tunnel retrieval scope is in progress and the subaqueous high-density polyethylene installation has commenced.

The pipe installation at the Dechlorination Facility began in late October which triggered construction of the Dechlorination Facility shortly after.

WAR started the Interstate-15 tunnel crossing.



# OUR PROJECTS

## City of San Diego Pure Water Phase 1



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

Prime Contractor: Kiewit Infrastructure West Co.

Project Value: \$256,851,006

Project Start Date: August 2021

At the **North City Water Reclamation Plant Expansion**, Kiewit recently finished 800 days with no recordable accidents, continuing their goal of finishing the project accident free.

Kiewit has completed the structural modifications to convert the first half of the existing secondary clarifiers into the new second stage bioreactor while continuing with the electrical modifications and preparing for the mechanical process at this facility. Kiewit recently kicked off the concrete work for the large expansion of the existing tanks for the second stage bioreactor. The structural work continues with major concrete work for the primary sedimentation tanks, first stage bioreactor and the new secondary clarifiers. Mechanical process piping has begun in the first stage bioreactor. Kiewit is ramping up for the new concrete work at the new filters and the new Pure Water Influent Pump Station. Kiewit completed its first two full plant shutdowns to bypass the existing filter's influent flow and isolate the RAS header piping to start the mechanical demolition in the existing facility.



### Metropolitan Biosolids Center Improvements

Prime Contractor: PCL Construction, Inc.

Construction Project Value: \$41,874,667

Project Start Date: September 2021

At the **Metropolitan Biosolids Center**, the contractor, PCL Construction (PCL) has completed the above-ground mechanical and electrical installation of the flare system. In the dewatering sector, one of the two dewatering centrifuges has been commissioned and is operational.

PCL is now working on commissioning the second centrifuge with the associated feed pump and polymer feed. The digester two area is currently 95% finished and preparing for startup and commissioning. At the grit separation zone the fourth Tea Cup has been erected inside the building and all mechanical components are presently being fitted.



# OUR PROJECTS

## City of San Diego Pure Water Phase 1



### 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 **North City Water Reclamation Plant Flow Equalization Basin**, Kiewit completed the encasement of the 42-inch primary effluent line as well as the excavation of both the 8-inch to 10-inch utility water high pressure (UWHP) line and 24-inch foul air line. CMC Rebar placed the bottom mat rebar for the 8-inch to 10-inch UWHP ductile iron pipe as Kiewit built the 8-inch to 10-inch UWHP ductile iron pipe.



### Morena Conveyance South Middle and Bike Lanes

Prime Contractor: Sukut Construction

Construction Project Value: \$130,070,930

Project Start Date: October 2022

For the **Morena Conveyance South, Middle and Bike Lanes** project, Sukut continues to move northbound on Clairemont Drive installing the 48-inch sewer forcemain.

Ongoing coordination with school and other community groups are being performed to make sure concerns are addressed as work progresses. A second crew has started installing shoring and dewatering wells on Sherman Avenue during the night shift. Progress will continue from Sherman Avenue onto Morena Boulevard northbound in the coming months.



# OUR PROJECTS

## City of San Diego Pure Water Phase 1



### Miramar Reservoir Pump Station Improvements

Prime Contractor: Shimmick Construction, Inc.  
Construction Project Value: \$12,692,000  
Project Start Date: December 2022

The **Miramar Reservoir Pump Station** project is approximately 42% cost complete with 235 workdays of 600 workdays expended. Shimmick Construction, Inc. has completed the 66-inch pipeline replacement and investigation of the 48-inch discharge pipe, with both returned to service. Vertical Turbine Pumps Refurbishment Phase 1, the first two of six vertical turbine pumps, is underway.

The existing permanent generator was temporarily relocated to allow for installation of a new containment basin ahead of delivery of the new generator scheduled for early 2024. Installation of the photovoltaic equipment is underway, with 75% of the 4,300 modules placed. Cable tray, inverters and solar panelboards will be installed during the 4th quarter of 2023.



### 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 commenced mobilization. Most recently, the field offices were delivered to the site for both the construction management team and J.R. Filanc.

Temporary construction water has been set up, and pothole locations have been laid out for upcoming work. Upcoming work will include potholing as well as demolition of the existing concrete slab.



# OUR PROJECTS

City of San Diego Pure Water Phase 1



For **Penasquitos Pump Station (PQPS) Oxygenation System** Blue Pacific has begun working on submittals and procurement of major equipment for the project. Fabrication is currently happening for the major equipment required and is on track to complete in early 2024. Upon completion of the fabrication, Blue Pacific will begin the construction phase of this project.

## Penasquitos Pump Station (PQPS) Oxygenation System

Prime Contractor: Blue Pacific Engineering

Construction Project Value: \$4,391,767

Project Start Date: February 2023



# OUR PEOPLE

Women in Construction

## WOMEN IN CONSTRUCTION



### LISA SMITH

Journeywoman Carpenter  
Shimmick Construction, Inc.

North City Pure Water  
Facility and Pump Station

**Lisa Smith** is a journeywoman carpenter who is working on the North City Pure Water Facility and Pump Station for Shimmick Construction, Inc. (Shimmick).

She began her construction career in Ohio, then worked in the Bay Area and is now working in San Diego. Through her many years working as a carpenter across the nation, she recently became a journeywoman on March 2023. Lisa is happy that the number of women working in construction has improved throughout the years.

Her advice for women who are interested in joining the trades is to “Do it! Construction is hard work, but if you find what you like, you can do it!”



### DIANA QUINTERO

Journeywoman Carpenter  
Shimmick Construction, Inc.

North City Pure Water Facility  
and Pump Station

**Diana Quintero** is a journeywoman carpenter who is working on the North City Pure Water Facility and Pump Station project for Shimmick.

She began her construction career doing non-union laborer and carpenter work. However, as she discovered the benefits of joining the union, she became a carpenter apprentice and worked her way up to journeyperson.

A career accomplishment she is proud of is when she was asked to be the lead woman of a 40-story hotel project.

Her advice to women who are interested in joining the trades is to “stick with it” and you can learn too!





# VETERANS IN CONSTRUCTION

## Michael McDermott

Operating Engineer Local 12  
Apprentice Period 5  
United States Navy Veteran



Michael McDermott is a United States Navy Veteran who is an Operating Engineer, fifth period apprentice working on the Morena Pump Station project for Flatiron.

Michael previously worked for the San Diego Maritime Museum, building and maintaining ships, which gave him exposure and experience to crane operation. When his work at the San Diego Maritime Museum was completed, Michael felt it was perfect timing to discover the Operating Engineers apprenticeship program. Fortunately, the program was open and accepting applications for two weeks.

During his career, he was on a project team that built a replica of the San Salvador ship at the San Diego Maritime Museum. He was assigned as chief rigger and felt a great sense of accomplishment during its first sail knowing that everything worked.

His advice to anyone who wants to join the trades is to network and talk to people that are in the craft in a desired industry segment. This will allow for a better understanding of what the day to day scope of work and expectations will be for a future career.



# FLATIRON





# OUR PARTNERS

## Veterans in Construction & Helmets to Hardhats



**JESUS UGALDE**  
Operating Engineer, Apprentice 1  
United States Marine Corps

**Jesus Ugalde** is a United States Marine Corps Veteran who is an Operating Engineer Oiler, first period apprentice at the North City Pure Water Facility and Pump Station.

As Jesus was looking for a new career, he met a friend who was a member of Helmets to Hardhats. His friend explained the program and showed him the website. This is where Jesus discovered Operating Engineers Local 12. Since he was a heavy equipment operator in the military, this experience allowed him to easily transition his skills to become an operating engineer. He was placed on the City of San Diego’s North City Pure Water Facility and Pump Station project to kickoff his career as a first period apprentice.

Now that Jesus has been out on the project site for some time, he has learned many on the job skills including complex calculations for ensuring his crane can pick up certain weights of construction materials. “Honestly, it’s not too different from working in the military. There are lots of similarities. I feel like I’m at home.”

Jesus is grateful for the union benefits and the consistent work schedule which allows him to provide for and spend more time with his family.

“Just finishing every day is an accomplishment...We all have the same goal, which is to go to work, but everybody goes home to their family. Family is precious”.



## VETERANS WORKING ON PURE WATER



74

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



4%

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



43,960

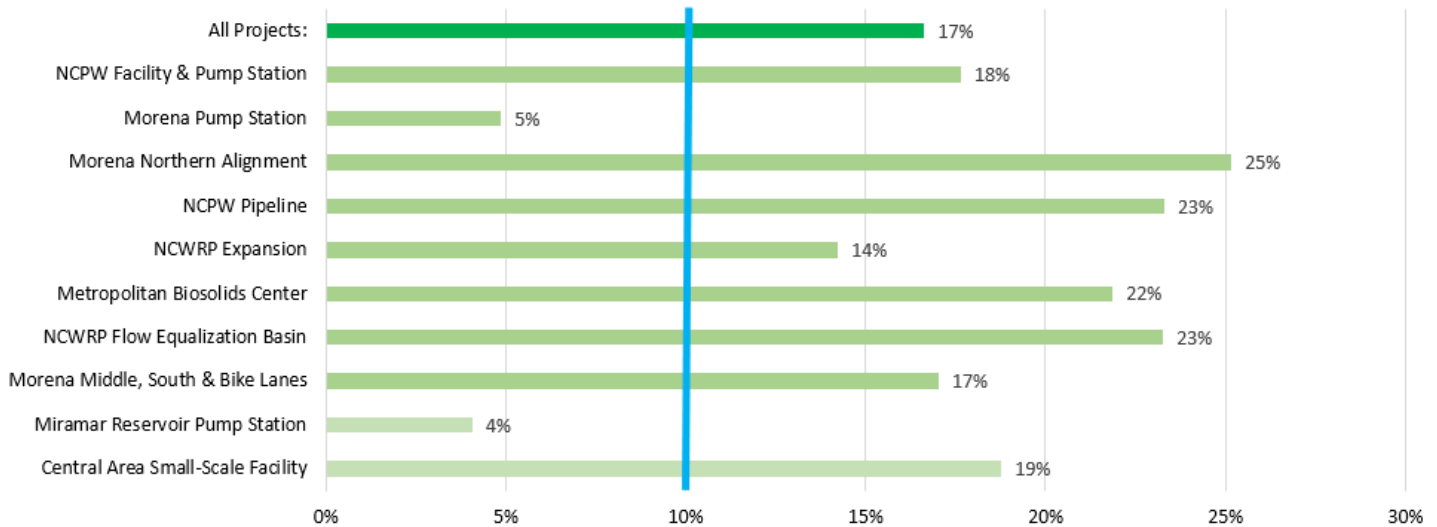
Total veteran craft hours worked across all PLA covered Pure Water Phase 1 Projects



## Targeted Worker Hiring

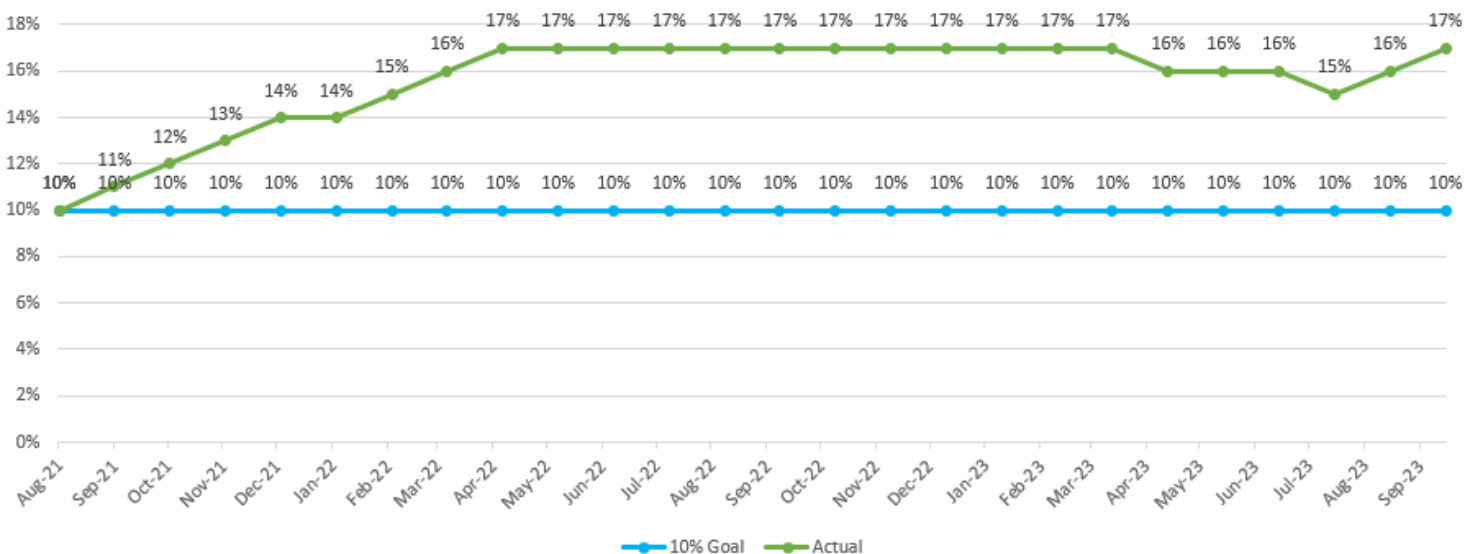
The PLA establishes a goal that at least 10% of the total construction craft hours worked on each project be performed by Targeted Workers. The City of San Diego's Pure Water Phase 1 program has exceeded the 10% goal with 17% of all craft workers being performed by Targeted Workers.

**Pure Water Targeted Goal 10%**



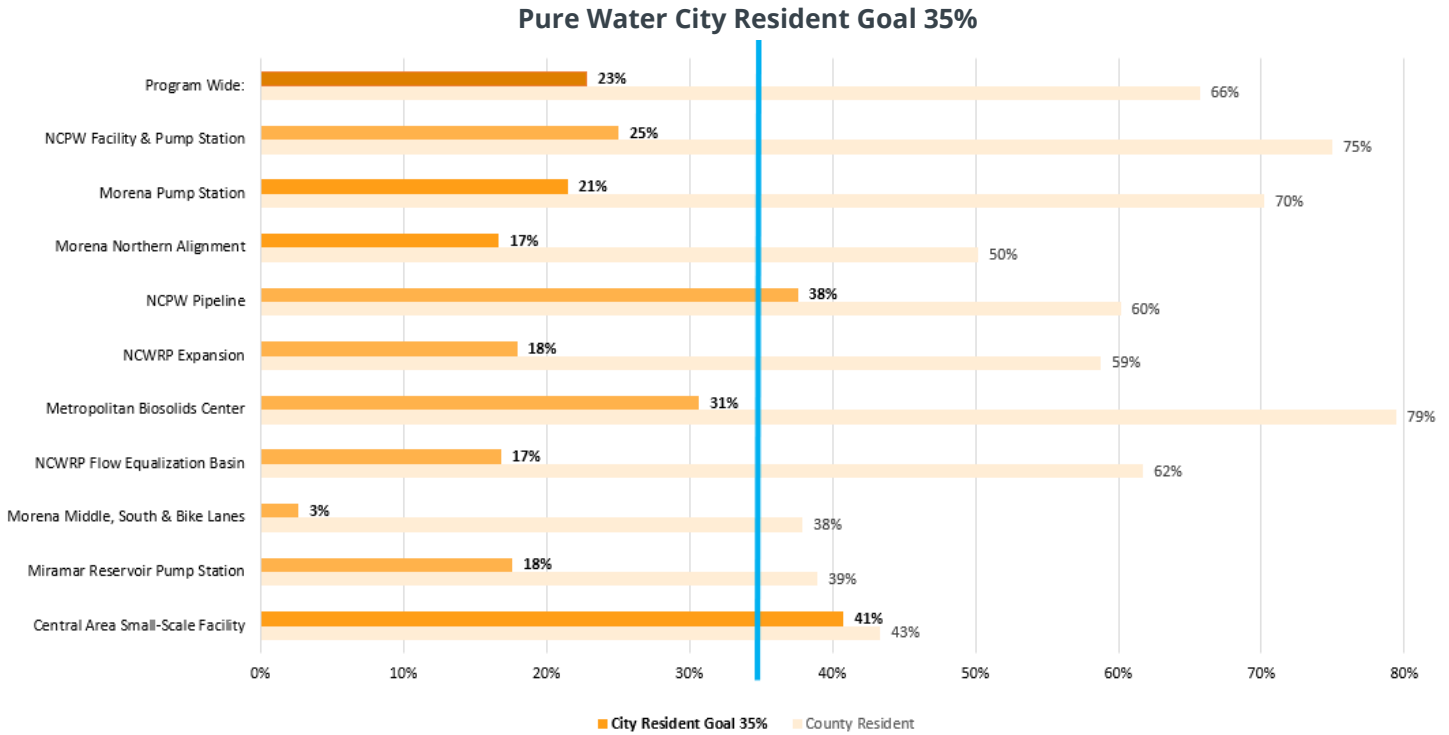
“Targeted Worker” means any individual qualifying for one (1) or more of the following Targeted Worker categories: (a) is a Veteran, or is the eligible spouse of a Veteran of the United States Armed Forces, under Section 2(a) of the Jobs for Veterans Act (38 United States Code [U.S.C.] 4215[a]); (b) 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**



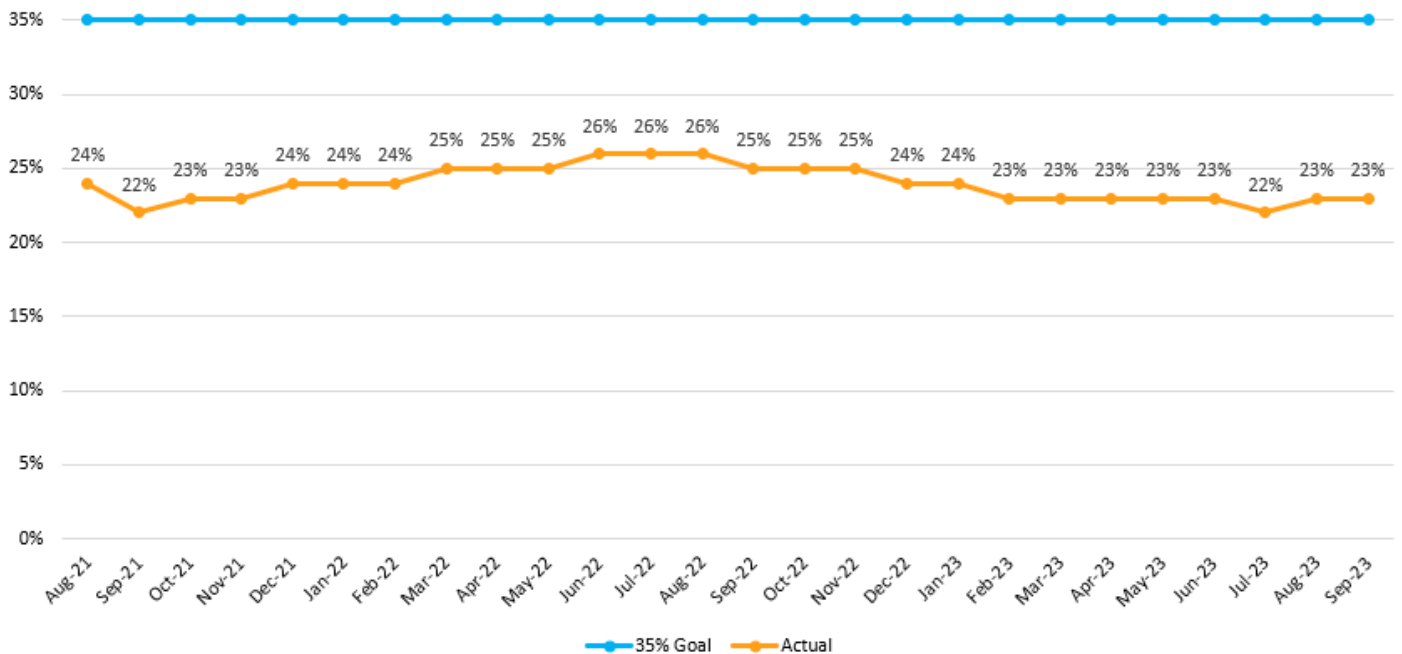
## City Resident Worker Hiring

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.



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





## Economic Impact

# \$16,011,177

### City Resident Wages and Benefits Earned

City Residents received approximately \$16 million in wages and benefits and worked 227,423 hours on Pure Water Phase 1 PLA covered projects.

# \$10,297,985

### Targeted Worker Wages and Benefits Earned

Targeted Workers received approximately \$10 million in wages and benefits and worked 165,668 hours on Pure Water Phase 1 PLA covered projects.



### City Residents

employed on Pure Water Phase 1 PLA covered projects

# 714



### Targeted Workers

employed on Pure Water Phase 1 PLA covered projects

# 341

## Apprentice Utilization

The Pure Water Phase 1 PLA encourages the 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.

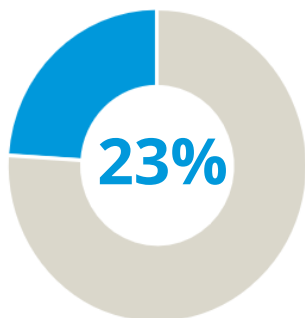
Contractors shall be in compliance with the California State Labor Code Section 1777.5 (g) apprenticeship requirements which state the minimum apprentice ratio shall be one hour of apprentice work for every five hours of journeyman work (20%).



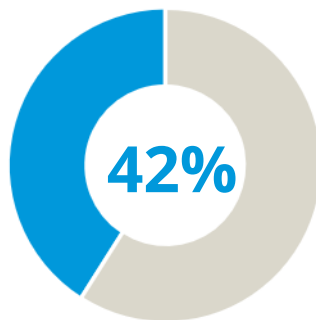
North City Pure Water Reclamation Plant Expansion and Influent Pump Station

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

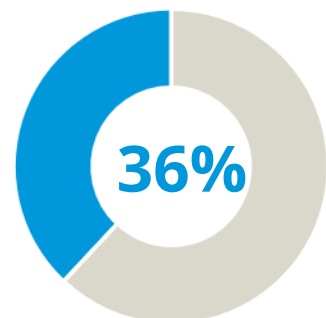
**183** Targeted Workers were employed as apprentices on the Pure Water Phase 1 PLA covered projects



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



42% of all apprenticeship hours were worked by **Targeted Workers**



36% 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, 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.

Project Name	Prime Contractor	TOTAL
As Needed Inspection & Survey Services Conveyance Projects	Jacobs	3
As Needed Inspection & Survey Services Treatment and 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 Bike Lanes	Sukut Construction	5
NCWRP Flow Equalization Basin	Kiewit Infrastructure West	3
NCWRP Expansion	Kiewit Infrastructure West	11
NCPW Facility and Pump Station	Shimmick Construction	16
NCWP Pipeline	W.A. Rasic Construction	11
Miramar Reservoir Pump Station	Shimmick Construction	7
Metropolitan Blosolds Center	PCL Construction	6
Central Area Small-Scale Facility	J.R. Filanc Construction	3
<b>GRAND TOTAL:</b>		<b>102</b>

**102** Pre-Job Conferences were held through September 30, 2023