

Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended September 30, 2021 (First Quarter FY 2021-2022)



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Executive Summary

Since it was adopted on March 16, 2007, the WSIP Project Labor Agreement (PLA) has promoted the public interest by ensuring the timely and economical completion of WSIP projects. The WSIP PLA has provided the structure to promote efficiency of construction of the WSIP, facilitate the partnership between the SFPUC, Unions, and Contractors, provide for peaceful settlement of labor disputes, and facilitate the employment of residents.

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty-nine (59) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.218 billion in original contract award through September 30, 2021.

Construction Activity Highlights - Program-to-Date

Contracting:

• Fifty-nine (59) construction contracts with a value of \$2.218 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 15,997 construction workers were employed for 8,826,662 hours and earned wages of \$356,505,269 on WSIP PLA-covered projects.
- 1,505 San Francisco residents worked 648,568 hours and earned \$25,651,055 on WSIP PLA-covered projects representing 7% of covered hours and 312 full-time equivalent worker years.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. 6,506 residents of the Regional Service Territory earned wages of \$135,407,419 and worked 3,470,611 hours, representing 39% of covered hours and 1,669 full-time equivalent worker years.
- 15,227 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of September 30, 2021. 203 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Pagion of Worker Posidoneo	Incept	ion Through Sep	tember 30, 2021	
Region of Worker Residence	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	15,997	8,826,662	\$ 356,505,269	4,244
San Francisco	1,505	648,568	\$ 25,651,055	312
SFPUC Service Territory	6,506	3,470,611	\$ 135,407,419	1,669
Outside	8,001	4,707,483	\$ 195,446,795	2,263

Construction Activity Highlights - Quarter Ending September 30, 2021

Contracting:

• There were no contracts awarded during the reporting period.

Employment:

- 188 construction workers were employed for 32,609 hours and earned wages of \$1,876,824 on WSIP PLA-covered projects.
- 46 San Francisco residents worked 6,154 hours and earned wages of \$351,333 on WSIP PLA-covered projects.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 60 residents of the Regional Service Territory worked 10,132 hours and earned wages of \$570,363 on WSIP PLA-covered projects.
- 5 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and no individuals were prevented from working as the result of a positive test.

	Three I	Months Ending Sep	oteml	per 30, 2021	
Region of Worker Residence	Worker Count	Sum of Hours	Sun	n Of Wages	FTE*
All Workers	188	32,609	\$	1,876,824	16
San Francisco	46	6,154	\$	351,333	3
SFPUC Service Territory	60	10,132	\$	570,363	5
Outside	82	16,323	\$	955,129	8

Summary of Craft Worker Employment

*FTE is the abbreviation for Full Time Equivalent. Since the workers on the projects may only work a few hours or days on the project, this is a way to determine the number of full time positions created. It is found by taking the Sum of Hours divided by 2,080, the conventional value for total hours worked per year based on a 40-hour work week.

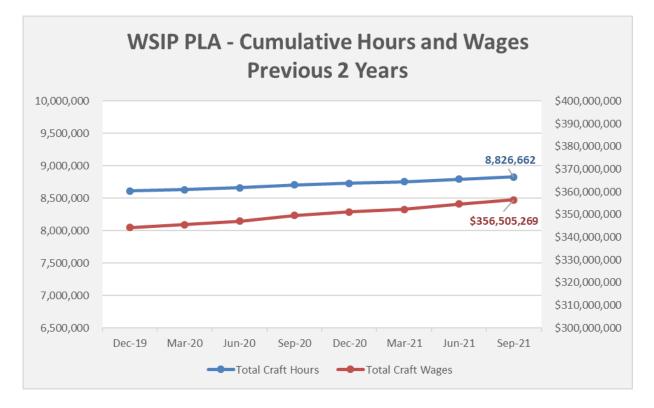
Summary of WSIP PLA-Covered Contract Awards

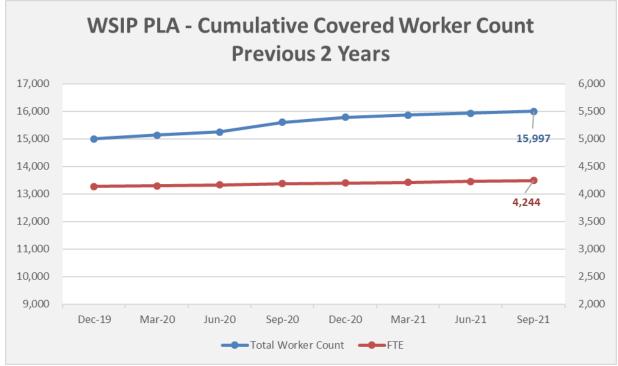
Construction Contracts Awarded Subject to the WSIP-PLA											
		Ir	nception through September 30, 2021								
ward Date	Contract No.	Prime Contractor	Project	Engineer's Estimate		Award \$					
04/13/21	WD-2825R	Anvil Builders, Inc	Alameda Creek Recapture	\$22 Million	\$	19,511,50					
	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation Syste		\$	2,483,52					
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a		\$	15,633,20					
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair		\$	1,498,01					
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch		\$	4,784,70					
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$	32,087,20					
	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Faci		\$	87,597,00					
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$	9,780,0					
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$	21,729,73					
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Water	\$30 Million	\$	28,939,3					
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$	11,062,54					
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$	14,955,1					
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$	42,980,04					
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$	8,676,6					
	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$	20,736,38					
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$	31,372,3					
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$	27,453,0					
	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$	3,912,5					
	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$	31,320,00					
	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Po	\$5.9 to \$6.7 Million	\$	5,591,7					
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$	2,760,0					
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I	\$3.6 to \$4.2 Million	\$	2,998,6					
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$	5,251,10					
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$	12,947,4					
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andrea	\$6.4 Million	\$	6,499,0					
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$	3,188,0					
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$	45,329,4					
	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$	259,571,8					
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$	174,197,0					
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$	32,547,3					
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$	48,706,3					
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$	17,360,4					
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$	99,763,0					
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	\$6.5 Million	\$	5,251,1					
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$	226,657,7					
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$	83,102,1					
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$	11,723,8					
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$	215,294,5					
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$	52,183,4					
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$	61,558,0					
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$	3,847,2					
	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$	12,857,0					
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$	6,991,0					
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$	2,837,0					
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$	16,336,3					
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$	29,597,0					
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$	31,933,6					
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$	12,695,0					
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$	31,584,0					
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$	62,822,9					
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$	11,536,5					
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$	5,724,0					
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$	55,674,0					
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$	81,420,5					
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$	13,529,3					
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$	13,824,0					
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$	6,547,0					
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$	23,269,0					
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$	8,419,0					
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$	17,899,9					
tal 59 Projec					\$	2,238,339,4					

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending September 30, 2021, 15,997 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,826,662 craft hours and \$356,505,269 in craft wages.

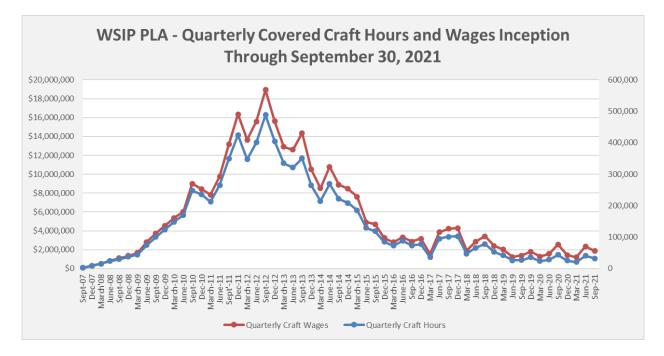
The tables below describe the progressive accumulation of these totals over the past two years.



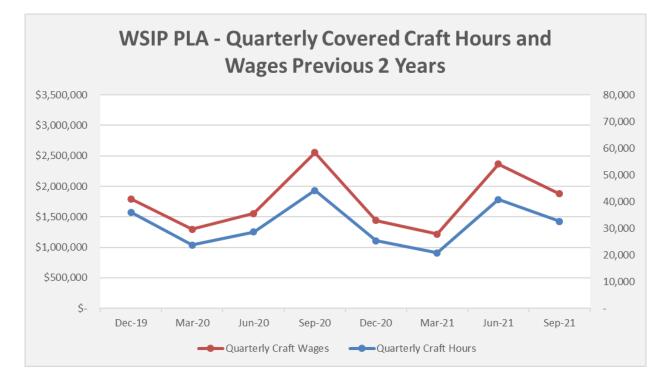


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98.9% total completion, Craft Hours have and will likely continue to trend down until total completion.



The chart below represents a close-up of the one above, highlighting the past two years.



Craft Utilization on WSIP PLA-Covered Projects

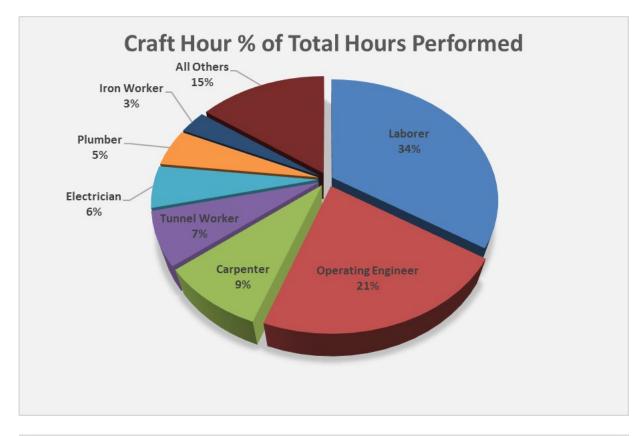
As of September 30, 2021, contractors reported craft hours in 56 craft worker classifications that the SFPUC summarizes into 32 craft areas.

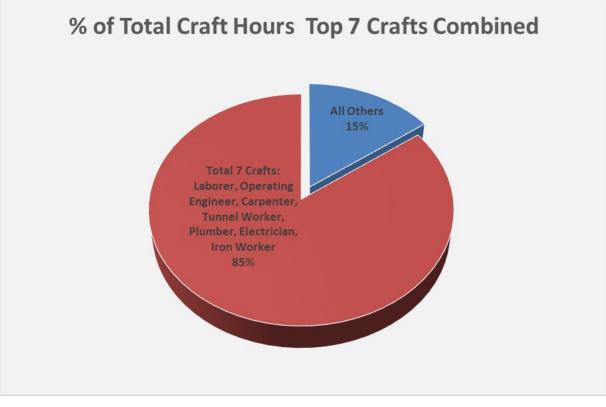
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed by Plumbers.

			ployment by			
	Inception Thro	ugh	September 30), 2021		
Craft	Total Hours	Ι.	otal Wages	% Craft Hours	% Wages of	FTE
Clait			otal wages	of Total Hours	Total Wages	FIE
Laborer	3,013,464	\$	94,244,360	34.1%	26.4%	1,449
Operating Engineer	1,859,768	\$	78,616,018	21.1%	22.1%	894
Carpenter	771,983	\$	33,157,314	8.7%	9.3%	371
Tunnel Worker	612,964	\$	26,175,557	6.9%	7.3%	295
Electrician	527,102	\$	28,919,492	6.0%	8.1%	253
Plumber	458,371	\$	22,295,047	5.2%	6.3%	220
Iron Worker	279,486	\$	9,742,925	3.2%	2.7%	134
Top 7 Sub-Total	7,523,138	\$	293,150,713	85.2%	82.2%	3,617
Pile Driver	181,764	\$	9,710,884	2.1%	2.7%	87
Painter	155,077	\$	6,148,102	1.8%	1.7%	75
Cement Mason	129,501	\$	4,561,511	1.5%	1.3%	62
Boilermaker	121,771	\$	6,494,850	1.4%	1.8%	59
Building/Construction Inspector	88,866	\$	5,006,218	1.0%	1.4%	43
Roofer	50,785	\$	1,733,236	0.6%	0.5%	24
Sheet Metal Worker	31,533	\$	1,660,237	0.4%	0.5%	15
Field Surveyor	22,095	\$	1,262,291	0.3%	0.4%	11
Drywall Installer/Lather	13,724	\$	617,348	0.2%	0.2%	7
Plasterer	12,128	\$	453,172	0.1%	0.1%	6
Bricklayer	10,355	\$	410,467	0.1%	0.1%	5
Electrical Utility Lineman	10,118	\$	505,536	0.1%	0.1%	5
Glazier	6,909	\$	425,367	0.1%	0.1%	3
Metal Roofing Systems Installer	2,586	\$	92,217	0.0%	0.0%	1
Asbestos Worker, Heat and Frost Insu	1,411	\$	80,839	0.0%	0.0%	1
Brick Tender	993	\$	34,361	0.0%	0.0%	0
Tile Setter	617	\$	57,899	0.0%	0.0%	0
Driver	613	\$	25,039	0.0%	0.0%	0
Tile Finisher	523	\$	13,087	0.0%	0.0%	0
Carpet Layer	354	\$	16,311	0.0%	0.0%	0
Elevator	222	\$	14,842	0.0%	0.0%	0
Terrazzo Worker	199	\$	8,163	0.0%	0.0%	0
Sprinkler Fitter	136	\$	9,238	0.0%	0.0%	0
Marble Finisher	40	\$	1,342	0.0%	0.0%	0
Terrazzo Finisher	4	\$	160	0.0%	0.0%	0
Remaining Apprenticeable Sub-Total	842,322	\$	39,342,720	9.5%	11.0%	405
Total Non-Apprenticeable	461,201	\$	24,011,836	5.2%	6.7%	222
Total WSIP-Covered by PLA	8,826,662	\$	356,505,269	100.0%	100.0%	4,244

Sorted by Total Craft Hours

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of September 30, 2021. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 71% of craft hours worked on PLA-covered projects.

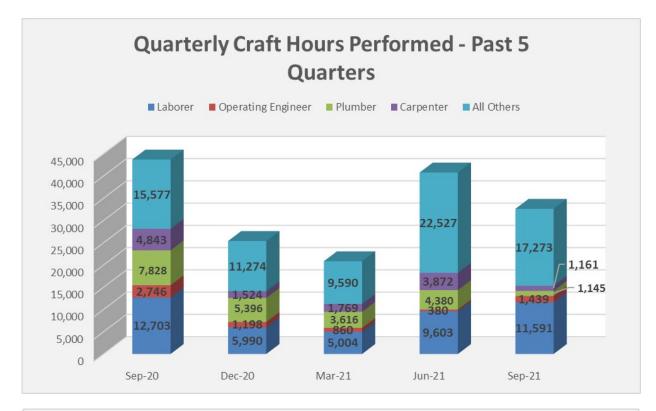




The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours		Total Cumulative Wages	Quarter Ending 9-30-2021 Hours	-	arter Ending 9-30-2021 Wages
Laborer	3,013,464	\$	94,244,360	11,591	\$	485,378
Operating Engineer	1,859,768	\$	78,616,018	1,439	\$	104,420
Carpenter	771,983	\$	33,157,314	1,161	\$	68,329
Tunnel Worker	612,964	\$	26,175,557	-	\$	-
Electrician	527,102	\$	28,919,492	9,651	\$	742,722
Plumber	458,371	\$	22,295,047	1,145	\$	90,862
Iron Worker	279,486	\$	9,742,925	318	\$	14,520
Pile Driver	181,764	\$	9,710,884	-	\$	-
Painter	155,077	\$	6,148,102	1,318	\$	69,708
Cement Mason	129,501	\$	4,561,511	331	\$	14,637
Boilermaker	121,771	\$	6,494,850	-	\$	-
Building/Construction Inspector	88,866	\$	5,006,218	-	\$	-
Roofer	50,785	\$	1,733,236	536	\$	18,014
Sheet Metal Worker	31,533	\$	1,660,237	464	\$	32,446
Field Surveyor	22,095	\$	1,262,291	-	\$	-
Drywall Installer/Lather	13,724	\$	617,348	75	\$	4,517
Plasterer	12,128	\$	453,172	309	\$	14,051
Bricklayer	10,355	\$	410,467	-	\$	-
Glazier	10,118	\$	505,536	4,080	\$	209,516
Electrical Utility Lineman	6,909	\$	425,367	-	\$	-
Metal Roofing Systems Installer	2,586	\$	92,217	-	\$	-
Asbestos Worker, Heat and Frost Insulator	1,411	\$	80,839	46	\$	2,652
Brick Tender	993	\$	34,361	-	\$	-
Driver	617	\$	57,899	61	\$	1,714
Tile Setter	613	\$	25,039	-	\$	-
Tile Finisher	523	\$	13,087	-	\$	
Carpet Layer	354	\$	16,311	-	φ \$	-
Elevator	222	\$	14,842	16	\$	1,154
Terrazzo Worker	199	\$	8,163	-	Ψ \$	1,104
Sprinkler Fitter	139	φ \$	9,238	8	φ \$	470
Marble Finisher	40	φ \$	9,230 1,342	-	գ \$	470
Terrazzo Finisher	40	φ \$	1,342	-	φ \$	-
	8,365,460	ψ		32,548	ψ	1 075 110
	8,305,400		332,493,433	52,548		1,875,110
Teamster	136,065	\$	6,427,969		\$	
Driver (On/Off-Hauling To/From Construction Site)	99,702	\$	7,474,717	61	\$	1,714
Operating Engineer (Heavy And Highway Work) (Specia		φ \$	4,512,513	-	φ \$	
Tunnel/Underground (Operating Engineer-Heavy And Hig		φ \$	3,676,393	-	φ \$	-
Asbestos Removal Worker (Laborer)	17,121		437,612	-		-
Tunnel/Underground (Operating Engineer-Heavy And Hid			590,532		\$	-
Turinei/Onderground (Operating Engineer-neaw And nig	,	\$	608,914	-	\$	-
			000,914	-	\$ \$	-
Water Well Driller	12,313	\$	26,006			-
Water Well Driller Tree Trimmer (High Voltage Line Clearance)	1,422	\$	36,006	-		
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician	1,422 1,160	\$ \$	37,245	-	\$	-
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer	1,422 1,160 1,131	\$ \$ \$	37,245 32,404	-	\$ \$	-
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea	1,422 1,160 1,131 1,123	\$ \$ \$ \$	37,245 32,404 56,467	- -	\$ \$ \$	-
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer)	1,422 1,160 1,131 1,123 888	\$ \$ \$ \$	37,245 32,404 56,467 31,991		\$ \$ \$	- - -
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer	1,422 1,160 1,131 1,123 888 831	\$ \$ \$ \$ \$ \$	37,245 32,404 56,467 31,991 33,307		\$ \$ \$ \$	-
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction)	1,422 1,160 1,131 1,123 888 831 635	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	37,245 32,404 56,467 31,991 33,307 24,810	- - - - -	\$ \$ \$ \$ \$ \$	- - -
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker	1,422 1,160 1,131 1,123 888 831 635 592	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	37,245 32,404 56,467 31,991 33,307 24,810 17,811	- - - - - - -	\$ \$ \$ \$ \$ \$	- - -
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter)	1,422 1,160 1,131 1,123 888 831 635 592 247	\$ \$ \$ \$ \$ \$ \$ \$	37,245 32,404 56,467 31,991 33,307 24,810 17,811 10,082	- - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db)	1,422 1,160 1,131 1,123 888 831 635 592 247 80	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	37,245 32,404 56,467 31,991 33,307 24,810 17,811 10,082 2,772	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db) Teamster (Special Single Shift Rate)	1,422 1,160 1,131 1,123 888 831 635 592 247 80 11	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	37,245 32,404 56,467 31,991 33,307 24,810 17,811 10,082 2,772 291	- - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db) Teamster (Special Single Shift Rate) Total Non-Apprenticeable	1,422 1,160 1,131 1,123 888 831 635 592 247 80 11 461,201	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	37,245 32,404 56,467 31,991 33,307 24,810 17,811 10,082 2,772 291 24,011,836	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -
Water Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db) Teamster (Special Single Shift Rate)	1,422 1,160 1,131 1,123 888 831 635 592 247 80 11	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	37,245 32,404 56,467 31,991 33,307 24,810 17,811 10,082 2,772 291	- - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	

The charts below represent *Quarterly* participation of the largest four participating trade categories and all others combined on WSIP PLA-covered projects.

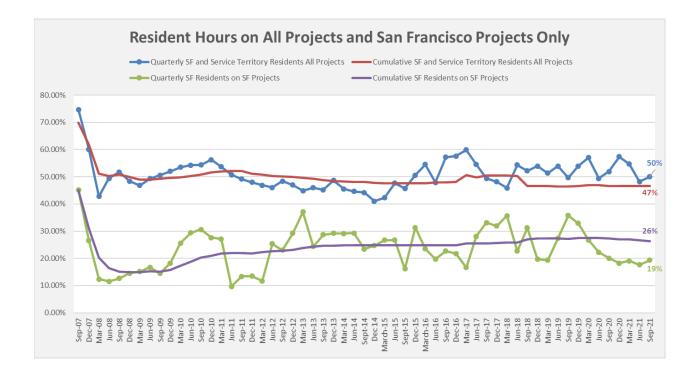


Quarterly Craft Percentage of Total Hours - Past 5 Quarters ■ Laborer ■ Operating Engineer ■ Plumber ■ Carpenter ■ All Others 100% 90% 36% 44% 46% 80% 53% 55% 70% 11% 60% 6% 9% 50% 18% 3% 9% 21% 40% 17% 6% 11% 30% 5% 4% 1% 36% 20% 29% 24% 24% 24% 10% 0% Sep-20 Dec-20 Mar-21 Jun-21 Sep-21

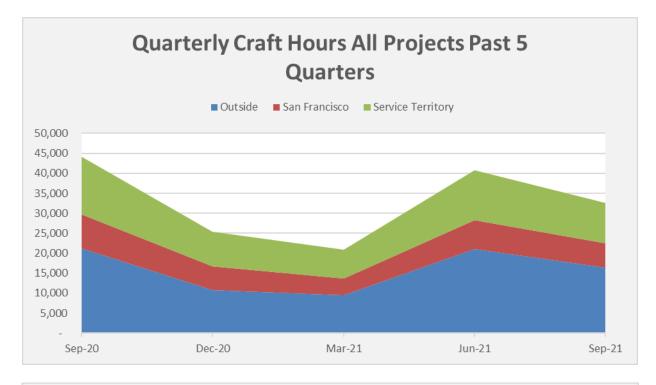
Worker Residence on the WSIP PLA

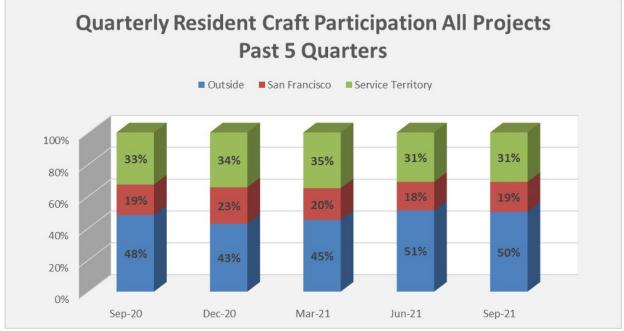
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through September 30, 2021.

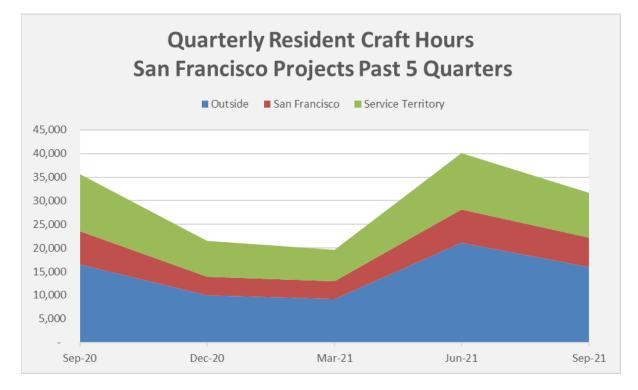


<u>Residence on ALL WSIP PLA Projects</u> - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



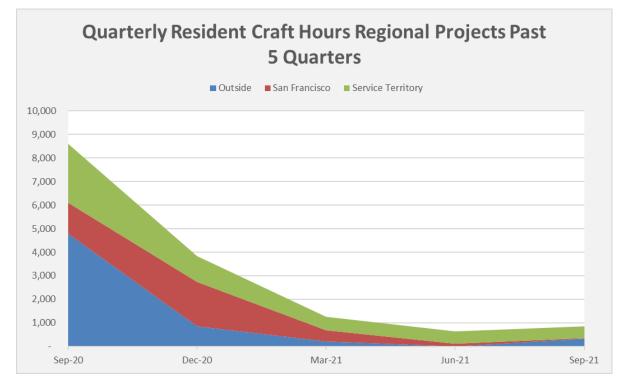


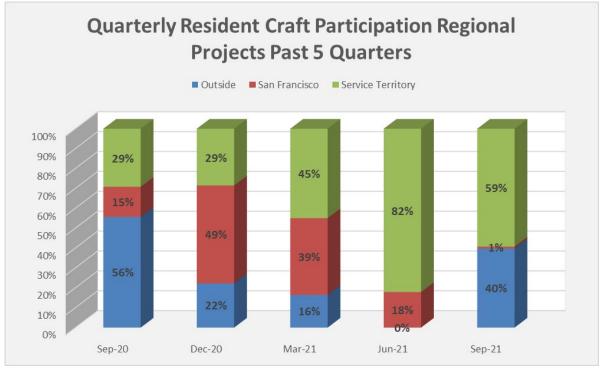
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.





<u>Residence on Regionally-located WSIP PLA Projects</u> - Charted are the 41 projects covered by the WSIP PLA located within the Regional Service Territory.





Sorted by Total Craft Hours		 •			
	WSIP-PLA Employr	t by Top 20 Cour ough September 3		e	
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda County	1,558,541	\$ 58,635,854	17.7%	3,033	749
Contra Costa County	1,251,626	\$ 50,070,508	14.2%	2,140	602
San Joaquin County	848,053	\$ 32,313,770	9.6%	1,338	408
San Mateo County	772,753	\$ 32,006,728	8.8%	1,370	372
San Francisco County	648,568	\$ 25,651,055	7.3%	1,505	312
Santa Clara County	461,142	\$ 18,656,392	5.2%	1,355	222
Solano County	443,388	\$ 18,303,688	5.0%	926	213
Stanislaus County	390,997	\$ 14,534,306	4.4%	668	188
Sacramento County	354,563	\$ 14,649,214	4.0%	662	170
Butte County	213,069	\$ 8,453,830	2.4%	133	102
Sonoma County	208,719	\$ 9,114,746	2.4%	405	100
Placer County	112,108	\$ 5,075,660	1.3%	145	54
Tuolumne County	102,588	\$ 3,982,918	1.2%	103	49
Calaveras County	101,680	\$ 4,520,538	1.2%	81	49
El Dorado County	88,624	\$ 3,770,176	1.0%	87	43
Los Angeles County	73,054	\$ 3,289,832	0.8%	149	35
Yolo County	71,752	\$ 2,996,688	0.8%	96	34
Shasta County	70,894	\$ 3,305,744	0.8%	47	34
Riverside County	65,996	\$ 3,122,393	0.7%	112	32
Clark County	62,062	\$ 2,842,502	0.7%	72	30
Top 20 Counties by Hours	7,900,177	\$ 315,296,541	89.5%	14,427	3,798
All Other Counties	926,485	\$ 41,208,728	10.5%	1,570	445
WSIP-PLA Total	8,826,662	\$ 356,505,269	100.0%	15,997	4,208

Residence by County

San Francisco Residents by Zip Code

			by San Francis	•		
	Inception	Thr	ough Septemb	er 30, 2021		
			То	tal Workers		
San Francisco Zip Codes	Total Craft			% Total Craft	Worker	
	Hours		Wages	Hours	Count	FTE
94112	126,516	\$	4,701,432	19.5%	255	6
94124	107,209	\$	4,405,175	16.5%	299	5
94116	86,689	\$	4,101,697	13.4%	95	4
94110	86,364	\$	3,073,982	13.3%	198	4
94134	41,659	\$	1,278,290	6.4%	129	2
94122	37,654	\$	1,832,778	5.8%	83	1
94103	24,477	\$	750,146	3.8%	44	1
94121	21,340	\$	905,845	3.3%	64	1
94118	16,742	\$	801,168	2.6%	24	
94127	15,914	\$	734,369	2.5%	24	
94132	10,951	\$	443,053	1.7%	38	
94117	10,718	\$	291,982	1.7%	18	
94107	10,325	\$	393,168	1.6%	33	
94102	8,852	\$	387,998	1.4%	23	
94131	8,279	\$	292,395	1.3%	32	
94133	7,770	\$	310,853	1.2%	15	
94109	5,078	\$	162,541	0.8%	25	
94114	4,468	\$	196,812	0.7%	18	
94108	4,194	\$	144,211	0.6%	9	
94115	3,521	\$	130,835	0.5%	30	
94130	3,179	\$	67,807	0.5%	12	
94142	1,740	\$	68,149	0.3%	7	
94111	915	\$	21,546	0.1%	3	
94123	897	\$	42,020	0.1%	4	
94105	781	\$	34,874	0.1%	9	
94104	677	\$	22,206	0.1%	3	
94129	447	\$	14,182	0.1%	1	
94188	366	\$	9,790	0.1%	3	
94140	288	\$	11,589	0.0%	1	
94119	255	\$	7,976	0.0%	1	
94147	162	\$	4,785	0.0%	1	
94158	118	\$	6,367	0.0%	6	
94125	21	\$	768	0.0%	1	
94164	6	\$	264	0.0%	1	
「otal	648,568	\$	25,651,055	100.0%	1,505	31
WSIP-PLA Total	8,794,053	\$	354,628,445	-	15,997	4,22

Sorted by Total Craft Hours

Residence by Craft

Cumulative Employment of Residents By Craft Inception Through September 30, 2021													
		nception Throug	h September 30, 20	21									
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours						
Operating Engineer	1,859,768	71,337	663,537	1,124,894	3.8%	35.7%	60.5%						
Carpenter	771,983	93,474	314,313	364,196	12.1%	40.7%	47.2%						
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%						
Electrician	527,102	35,048	264,779	227,276	6.6%	50.2%	43.1%						
Plumber	458,371	93,861	152,046	212,465	20.5%	33.2%	46.4%						
Iron Worker	279,486	18,196	107,422	153,868	6.5%	38.4%	55.1%						
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%						
Painter	155,077	9,894	18,536	126,648	6.4%	12.0%	81.7%						
Cement Mason	129,501	11,143	54,960	63,399	8.6%	42.4%	49.0%						
Boilermaker	121,771	48	23,484	98,239	0.0%	19.3%	80.7%						
Building/Construction Inspector	88,866	3,987	12,218	72,661	4.5%	13.7%	81.8%						
Roofer	50,785	5,031	26,306	19,449	9.9%	51.8%	38.3%						
Sheet Metal Worker	31,533	2,923	15,555	13,056	9.3%	49.3%	41.4%						
Field Surveyor	22,095	1,382	4,038	16,676	6.3%	49.3%	75.5%						
Drywall Installer/Lather	13,724	4,312	2,505	6,907	31.4%	18.3%	50.3%						
,													
Plasterer	12,128	7,443	1,148	3,537	61.4%	9.5%	29.2%						
Bricklayer	10,355	82	5,553	4,720	0.8%	53.6%	45.6%						
Glazier	10,118	1,521	4,214	4,384	15.0%	41.6%	43.3%						
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%						
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%						
Asbestos Worker, Heat and Frost Insulator	1,411	112	229	1,070	7.9%	16.2%	75.8%						
Brick Tender	993	287	19	687	28.9%	1.9%	69.2%						
Driver	617	550	60	7	89.1%	9.7%	1.2%						
Tile Setter	613	-	590	23	0.0%	96.2%	3.8%						
Tile Finisher	523	-	475	48	0.0%	90.8%	9.2%						
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%						
Elevator	222	-	206	16	0.0%	92.8%	7.2%						
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%						
Sprinkler Fitter	136		96	40	0.0%	70.6%	29.4%						
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%						
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%						
Total Apprenticeable	5,351,997	378,475	1,937,576	3,035,945	7.1%	36.2%	56.7%						
Laborer	3,013,464	241,673	1,295,407	1,476,384	8.0%	43.0%	49.0%						
Non-Apprenticeable Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%						
						66.0%							
Driver (On/Off-Hauling To/From Construction	99,702	18,070	65,811	15,821	18.1%		15.9%						
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%						
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%						
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%						
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%						
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%						
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%						
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%						
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%						
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%						
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%						
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%						
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%						
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%						
Parking And Highway Improvement Painter (247	-	165	82	0.0%	66.8%	33.2%						
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%						
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%						
Total Non-Apprenticeable Total WSIP PLA	461,201	28,420	237,628	195,154	6.2%	51.5%	42.3%						
	8,826,662	648,568	3,470,611	4,707,483	7.3%	39.3%	53.3%						

Residence by Project

Project	Total Hours	y Through Sep San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam Replacement Project	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improvements	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andreas Transmission System Upgr	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Re WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
CS-936 - AMI	288,044 227,027	5,836 78,220	129,660 83,691	152,548 65,115	2.0% 34.5%	45.0% 36.9%	53.0% 28.7%
WD-2776 - SF Westside Recycled Water Facility at OSP	219,555	48,555	60,154	110,845	22.1%	27.4%	50.5%
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
WD-2539 - University Mound Reservoir Seismic Upgrades	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Alameda Creek	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Storage	163,943	27,219	83,819	52,906	16.6%	51.1%	32.3%
WD-2627R - Sutro Reservoir Rehabilitation	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%
HH-935C - San Joaquin Pipeline - Eastern Segment	143,988	83	80,508	63,397	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,910	3,122	93,841	44,948	2.2%	66.1%	31.7%
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6%
WD-2552 - Alameda Siphon No. 4 Project	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2%
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1%
WD-2498 - New Crystal Springs Bypass Tunnel WD-2652 - BHR - San Antonio Creek	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2548 - Lake Merced Pump Station	110,655 101,050	3,693 28,541	45,574 25,790	61,388 46,720	3.3% 28.2%	41.2% 25.5%	55.5% 46.2%
HH-935B - San Joaquin Pipeline - Western Segment	101,030	20,341	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam Improvements	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Crossovers	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3 Installation	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir Seismic Retrofit	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic Upgrade	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound System Upgrade	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply Well Stations	52,623	14,641	8,965	29,018	27.8%	17.0% 50.6%	55.1%
WD-2573 - Pulgas Balancing Reservoir Structural Rehab WD-2568 - BDPL Nos. 3&4 Crossover Facilities	50,367 47,910	6,669 4,201	25,461 13,222	18,237 30,486	13.2% 8.8%	27.6%	36.2% 63.6%
WD-2797 - SF Westside Recycled Water Pump Station and Reservoir	44,024	11,784	19,723	12,518	26.8%	44.8%	28.4%
WD-2641R - Habitat Reserve Program	44,018	8,771	10,167	25,081	19.9%	23.1%	57.0%
WD-2564 - HTWTP - Short Term Improvements Phases 2 and 3	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1%
WD-2798 - SF Westside Recycled Water Pipeline	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2829R - San Andreas Pipeline No. 2 Replacement	36,896	6,220	10,481	20,195	16.9%	28.4%	54.7%
WD-2809 - SF Groundwater Supply Phase 2	30,565	5,928	3,099	21,538	19.4%	10.1%	70.5%
WD-2654R - Peninsula Vegetation Removal	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377 12,625	17,069 5,327	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Water Proiect WD-2651R - Peninsula 2011 Watershed Compensation	22,727 22,569	4,776 557	12,025	11,072	21.0% 2.5%	55.6% 48.5%	23.4% 49.1%
WD-2529 - Noe Valley Transmission Main - Phase II	22,503	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bav Division Pipeline No. 5, Cordilleras Microtunnel	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve Lot Improvements	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pipeline	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station Upgrades Project	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvements	12,859	0	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restoration	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Dam Stilling Basin Connecting C WD-2852R - SF Westside Recycled Water Irrigation System Retrofits	8,209 6,426	291 2,160	3,270 1,925	4,648 2,341	3.5%	39.8% 30.0%	56.6% 36.4%
WD-2602 - SF Westside Recycled Water Irrigation System Retroits WD-2600 - Regional Groundwater Storage and Recovery Project- Test	6,088	2,100	1,925	2,341 5,792	33.6% 0.0%	30.0%	36.4%
WD-2855 - Turner Dam Spillway and Pond F3 East Erosion Repair	2,088	0	1,623	465	0.0%	4.9%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
WD-2825R - Alameda Creek Recapture	561	0	245	316	0.0%	43.7%	56.3%
Total WSIP PLA	8,826,662	648,568	3,470,611	4,707,483	7.3%	39.3%	53.3%

Apprentice Utilization

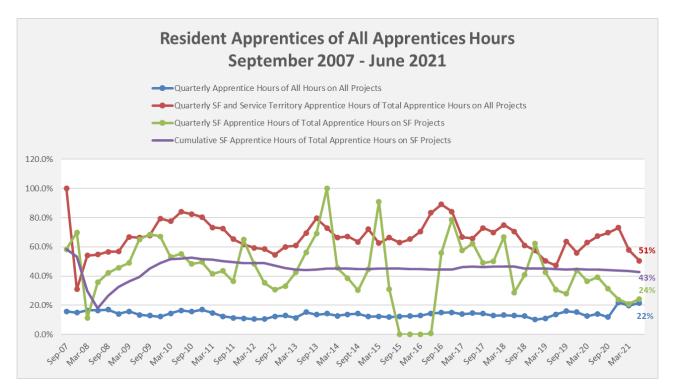
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.3% of apprentice hours were worked by San Francisco residents and 52.9% were worked by residents of the Regional Service Territory, or 69.2% combined.

Sorted by Total Craft Hours

Sorted by Total Craft Hot			A	pprentice Hou	rs	Арр	rentice Utiliza	tion	Resident Apprentice %			
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents	
A - Operating Engineer	1,859,768	209,122	25,395	86,311	97,417	11.2%	1.4%	4.6%	12.1%	41.3%	46.6%	
A - Carpenter	771,983	122,442	32,607	57,027	32,809	15.9%	4.2%	7.4%	26.6%	46.6%	26.8%	
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Electrician	527,102	104,624	13,728	67,192	23,704	19.8%	2.6%	12.7%	13.1%	64.2%	22.7%	
A - Plumber	458,371	124,985	36,917	58,801	29,267	27.3%	8.1%	12.8%	29.5%	0.0%	0.0%	
A - Iron Worker	279,486	62,061	10,976	27,340	23,745	22.2%	3.9%	9.8%	17.7%	44.1%	38.3%	
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%	
A - Painter	155,077	26,872	1,827	6,502	18,543	17.3%	1.2%	4.2%	6.8%	24.2%	69.0%	
A - Cement Mason	129,501	6,694	4,419	1,124	1,151	5.2%	3.4%	0.9%	66.0%	16.8%	17.2%	
A - Boilermaker	121,771	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%	
A - Building/Construction Inspector	88,866	5,068	17	1,254	3,797	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%	
A - Roofer	50,785	12,934	2,348	5,617	4,969	25.5%	4.6%	11.1%	0.0%	0.0%	0.0%	
A - Sheet Metal Worker	31,533	4,998	307	3,304	1,388	15.9%	1.0%	10.5%	6.1%	66.1%	27.8%	
A - Field Surveyor	22,095	734	11	71	652	3.3%	0.0%	0.3%	1.5%	9.7%	88.8%	
A - Drywall Installer/Lather	13,724	864	68	283	513	6.3%	0.5%	2.1%	7.9%	32.8%	59.4%	
A - Plasterer	12,128	347	136		211	2.9%	1.1%	0.0%	39.2%	0.0%	60.8%	
A - Bricklayer	10,355	2,948	82	839	2,027	28.5%	0.8%	8.1%	2.8%	28.5%	68.8%	
A - Glazier	10,118	1,572	895	144	533	15.5%	8.8%	1.4%	56.9%	9.2%	33.9%	
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%	
A - Metal Roofing Systems Installer	2,586	757	-	757	-	29.3%	0.0%	29.3%	0.0%	100.0%	0.0%	
A - Asbestos Worker, Heat and Frost Insul	1,411	146	112	-	34	10.4%	7.9%	0.0%	76.7%	0.0%	23.3%	
A - Brick Tender	993	24	24	-	-	2.4%	2.4%	0.0%	0.0%	0.0%	0.0%	
A - Driver	617	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Tile Setter	613	141	-	125	16	23.0%	0.0%	20.4%	0.0%	88.7%	11.3%	
A - Tile Finisher	523	190	-	150	40	36.3%	0.0%	28.7%	0.0%	0.0%	0.0%	
A - Carpet Layer	354	27	-	23	4	7.6%	0.0%	6.5%	0.0%	85.2%	14.8%	
A - Elevator	222	95	-	95	-	42.8%	0.0%	42.8%	0.0%	0.0%	0.0%	
A - Terrazzo Worker	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Sprinkler Fitter	136	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Marble Finisher	40	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Terrazzo Finisher	4	-	-	-	-							
Sub-Total Apprenticeable	5,351,997	708,640	134,357	328,100	246,182	13.2%	2.5%	6.1%	19.0%	46.3%	34.7%	
A - Laborer	3,013,464	406,392	46,878	262,225	97,288	13.5%	1.6%	8.7%	11.5%	64.5%	23.9%	
Total Apprenticeable	8,365,460	1,115,032	181,236	590,325	343,471	13.3%	2.2%	7.1%	16.3%	52.9%	30.8%	
Total Non-Apprenticeable	461,201											
Total WSIP - Covered by PLA	8,826,662											

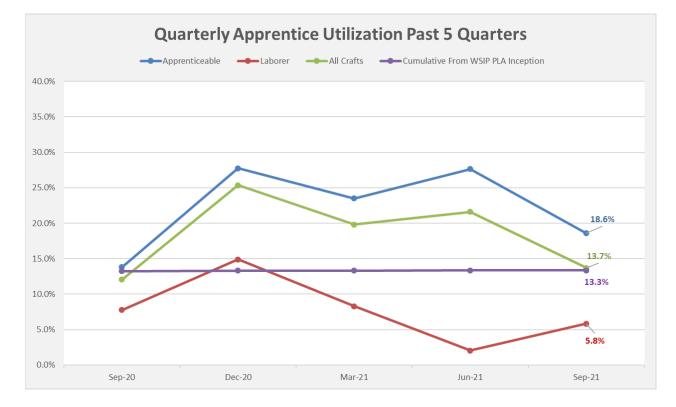
For the three months ending September 30, 2021, 24% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

					LA Apprentice U						
				Inception T	hrough Septembe		roiact				
	Apprentice Utilization By Project All Workers Hours Apprentice Utilization %										
		1	All WOIKEIS HOU		Total	Арр		, 	Аррге		1
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
DB-116 - Tesla Treatment Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
HH-914R - Roselle Crossover Ir	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
HH-935A - San Joaquin Pipelin	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
HH-935B - San Joaquin Pipelin	219,555	179,860	146	39,549	219,409	39,745	1,880	41,625	22.1%	4.8%	19.0%
HH-935C - San Joaquin Pipelin	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	15.6%
HH-953 - Tesla Portal Protectio	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%
WD-2469 - Forest Knolls Pump	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
WD-2498 - New Crystal Spring	163,943	102,719	1,079	60,145	162,864	18,467	7,391	25,858	18.0%	12.3%	15.9%
WD-2501 - Alemany Pump Sta	30,565	15,063	-	15,502	30,565	2,666	633	3,299	17.7%	4.1%	10.8%
WD-2504 - Stanford Heights Re	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
WD-2511 - Standby Power Fac	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2513 - San Andreas Pipeli	26,553	17,167	49	9,337	26,504	2,888	19	2,907	16.8%	0.2%	11.0%
WD-2529 - Noe Valley Transmi	462,423	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%	15.3%
WD-2531 - Bay Division Pipelin	1,013,848	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%	14.8%
WD-2539 - University Mound R	22,569	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%	16.2%
WD-2541 - Bay Division Pipelin	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	7.7%
WD-2542 - Bay Division Pipelin	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2543 - North University Mo	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	15.5%	19.6%	17.1%
WD-2548 - Lake Merced Pump	127,763	49,074	9,731	68,958	118,032	7,559	5,394	12,953	15.4%	7.8%	11.0%
WD-2551 - Calaveras Dam Rep	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	
WD-2552 - Alameda Siphon No	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	
WD-2555 - Crystal Springs Pip	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	
WD-2556 - Baden and San Peo	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	
WD-2564 - HTWTP - Short Terr	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	
WD-2566 - San Antonio Pump	52,623	31,711	-	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	
WD-2568 - BDPL Nos. 3&4 Cro	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	
WD-2573 - Pulgas Balancing R	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	40.0%	
WD-2575 - San Antonio Backu	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	
WD-2581 - New Irvington Tunne	134,349	73,390	1,614	59,345	132,735	4,033	13,294	21,590	11.3%	22.4%	
								48,710			
WD-2582 - Sunol Valley Water WD-2589 - SCADA System Ph	489,160 208,058	334,614 88,905	23,708 12,802	130,839 106,351	465,452	37,795 10,026	10,916 10,170	20,196	11.3% 11.3%	8.3%	
WD-2591 - Lower Crystal Sprin	11,512		12,002	7,002	195,256 11,379	487	2,768	3,255	11.3%	39.5%	
		4,377									
WD-2596 - HTWTP Long-Term	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	
WD-2600 - Regional Groundwa	1,532,134	864,302	36,402	631,430	1,495,733	87,917	98,383	186,301	10.2%	15.6%	
WD-2601 - Crystal Springs / Sa	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	
WD-2621R - SF Groundwater S	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	
WD-2622 - SF Groundwater Su	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	
WD-2623 - Harding Park Recyc	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	
WD-2627R - Sutro Reservoir Re	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	
WD-2629 - Seismic Upgrade of	288,044	90,020	31,498	166,526	256,546	7,049	19,161	26,210	7.8%	11.5%	
WD-2640 - Bioregional Habitat	110,655	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	
WD-2641R - Habitat Reserve P	100,492	52,940	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	
WD-2651R - Peninsula 2011 W	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	
WD-2652 - BHR - San Antonio	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	
WD-2654R - Peninsula Vegeta	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	
WD-2665 - Bav Division Pipelin	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	
WD-2666 - BHR - Sheep Camp	583,318	412,690	91,164	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	
WD-2668 - Regional Groundwa	36,896	17,330	1,718	17,849	35,178	512	2,386	2,897	3.0%	13.4%	8.2%
WD-2727 - Peninsula Pipeline	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2729 - Fish Passage Facil	23,492	16,708	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2776 - SF Westside Recyc	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2797 - SF Westside Recyc	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2798 - SF Westside Recyc	44,024	18,479	-	25,545	44,024	1,955	3,218	5,173	0.0%	12.6%	11.7%
WD-2809 - SF Groundwater Su	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	0.0%	19.4%	19.1%
WD-2822R2 - Lower Crystal Sp	8,209	1,889	264	6,057	7,945	235	699	933	0.0%	11.5%	11.7%
WD-2825R - Alameda Creek R	561	67	-	494	561	-	-	-	0.0%	0.0%	0.0%
WD-2829R - San Andreas Pipe	6,426	254	47	6,124	-	-	153	153	0.0%	2.5%	
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	8,356,994	-	-	1,115,032	0.0%	0.0%	
WD-2852R - SF Westside Rec	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	
WSIP - Covered by PLA (58 Pr		5,351,997	461,201	3,013,464	16,713,989	708,640	406,392	2,230,063	13.2%	13.5%	

The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending September 30, 2021.



Substance Abuse Prevention

The WSIP PLA requires pre-employment alcohol and drug testing for all covered employees. The policy also allows testing where the contractor has reasonable cause to believe that the employee has used drugs or alcohol, and mandates testing where a contractor concludes that an employee was under the influence of drugs or alcohol at the time of an accident. The SFPUC has extended the WSIP PLA substance abuse prevention policy to all contractor employees working on a job site.

15,227 pre-employment tests have been administered as of September 30, 2021, to people who were cleared to work. 203 people did not pass pre-employment screens and consequently were prevented from working until the results could be confirmed through lab tests. Strict regulations and high compliance by the contractors have led to a mere **1.33%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Program. The chart is on the next page.

WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary Tests Administered to Individuals Cleared to Work Through 9/30/2021					
Project	Number Cleared				
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401				
WD-2551 - Calaveras Dam Replacement Proiect	2,122				
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282				
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704				
WD-2581 - New Irvington Tunnel	651				
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581				
WD-2548 - Lake Merced Pump Station Essential Upgrades	531				
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509				
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	406				
WD-2501 - Alemany Pump Station	375				
DB-116 - Tesla Treatment Facility	374				
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335				
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319				
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305				
WD-2668 - Regional Groundwater Storage and Recovery	265				
CS-936 - Advanced Meter Infrastructure	229				
WD-2552 - Alameda Siphon No. 4 Project	229				
HH-935B - San Joaquin Pipeline System - Western Segment	226				
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226				
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217				
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212				
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199				
HH-935A - San Joaquin Pipeline System - Crossovers	186				
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184				
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180				
WD-2513 - San Andreas Pipeline No.3 Installation Project	178				
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153				
WD-2575 - San Antonio Backup Pipeline	132				
WD-2591 - Lower Crystal Springs Dam Improvements	125				
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115				
WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	98				
WD-2621R - San Francisco Groundwater Supply Well Stations	97				
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95				
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90				
WD-2556 - Baden and San Pedro Valve Lot Improvements	86				
HH-914R - Roselle Crossover Improvements	72				
WD-2566 - San Antonio Pump Station Upgrades Project	70				
WD-2623 - Harding Park Recycled Water Proiect	65				
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63				
WD-2727 - Peninsula Pipeline Seismic Upgrade	61				
HH-953 - Tesla Portal Protection	59				
WD-2543 - North University Mound System Upgrade	55				
WD-2529 - Noe Valley Transmission Main - Phase II	47				
WD-2829R - San Andreas Pipeline No. 2 Replacement	47				
WD-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bav Division Pipeline No. 5, Cordilleras Microtunnel	43				
WD-2654R - Peninsula Vegetation Removal	34				
WD-2511 - Standby Power Facilities, Various Locations	30				
WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30				
WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28				
WD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassla	23				
WD-2600 - Regional Groundwater Storage and Recovery Proiect- Test Well Drilling	22				
WD-2622 - San Francisco Groundwater Supply Pipeline	22				
WD-2798 - San Francisco Westside Recycled Water Pipeline	20				
WD-2809 - San Francisco Groundwater Supply Phase 2	10				
WD-2852R - San Francisco Westside Recycled Water Irrigation System Retrofits	6				
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3				
WD-2640 - Bioregional Habitat Restoration	-				
Total Cleared	15,227				

Legislative History of the WSIP PLA

On April 8, 2003, the San Francisco Board of Supervisors adopted Resolution 223-03 urging the SFPUC to develop plans for a Project Labor Agreement covering the capital improvement program to rehabilitate, repair, and upgrade the Hetch Hetchy Water System.

On May 20, 2003, the San Francisco Board of Supervisors adopted Resolution 350-03 urging the SFPUC to include social justice components in the Project Labor Agreement covering the Hetch Hetchy Water System upgrade.

On May 11, 2006, the San Francisco Board of Supervisors amended the San Francisco Administrative Code to establish a PUC Small firm Advisory Committee to provide for the certification of small construction contractors located outside San Francisco and within the SFPUC service territory for work on SFPUC construction projects, including those covered by the WSIP PLA.

On March 28, 2006, the SFPUC adopted Resolution No. 06-0049 to authorize SFPUC staff to commence negotiations with the various craft labor unions for a project labor agreement covering the Water System Improvement Program. Resolution No. 06-0049 concluded that the governmental interests of the SFPUC were furthered by a project labor agreement as follows:

"There are numerous advantages in moving forward on the negotiation of a PLA, which include but are not limited to the following: creates framework for labor harmony; militates against construction delays; assures steady supply of qualified labor; provides employment, career, and local business opportunities; and, other benefits ..."

On March 26, 2007, the SFPUC approved the negotiated agreement, called the Water System Improvement Program Project Labor Agreement (the WSIP PLA). The WSIP PLA requires construction contractors to utilize workers dispatched by signatory unions, and prohibits the unions and contractors from participating in strikes, lockouts, or other disruptions to the work. The WSIP PLA provides a procedure for adjudicating conflicting jurisdictional claims between the unions, provides for uniform hours of work, overtime, shifts and holidays, encourages the recruitment and training of low-income residents of the SFPUC service territory, and requires substance abuse testing for all covered workers. The first implementation of the WSIP PLA was on contract WD-2504, the Stanford Heights Reservoir Seismic Retrofit and Improvement project which the SFPUC awarded to S.J. Amoroso Construction Co., LLC, on June 26, 2007, in the amount of \$17,899,960.

Governance

The parties to the WSIP PLA have established a four person Joint Administrative Committee that reviews the implementation of the agreement and the progress of the covered projects, and resolves problems and grievances that arise in connection with the agreement. The SFPUC administers the agreement under the direction of the Joint Administrative Committee.

The Joint Administrative Committee has established the Jobs Training Opportunities Program to promote the employment and training of San Francisco and SFPUC Service Territory residents on WSIP projects.

Pre-Job Conferences and Jurisdictional Disputes

Prior to the commencement of construction, representatives of the participating contractors and subcontractors, the Unions, and the SFPUC, are mandated to attend a pre-job conference held at the offices of the SFPUC or the offices of the local Building and Construction Trades Council. At the pre-job conference each contractor and subcontractor describes the scope of their work and assigns the work on the basis of traditional craft jurisdictional lines. When conflicting claims for work are submitted to a contractor, the WSIP PLA's Jurisdictional Dispute Resolution procedure is invoked to prevent delay or disruption in the work due to jurisdictional disputes.

Web-Based Labor Compliance Program

All SFPUC construction projects including those covered by the WSIP PLA utilize the City's web-based labor compliance program (LCPtracker, Inc.) which allows contractors to submit their weekly certified payroll reports electronically over the internet. LCPtracker's electronic certified payrolls are used to produce the employment data included in this report.



Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended December 31, 2021 (Second Quarter FY 2021-2022)



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Executive Summary

Since it was adopted on March 16, 2007, the WSIP Project Labor Agreement (PLA) has promoted the public interest by ensuring the timely and economical completion of WSIP projects. The WSIP PLA has provided the structure to promote efficiency of construction of the WSIP, facilitate the partnership between the SFPUC, Unions, and Contractors, provide for peaceful settlement of labor disputes, and facilitate the employment of residents.

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty-nine (59) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.238 billion in original contract award through December 31, 2021.

Construction Activity Highlights - Program-to-Date

Contracting:

• Fifty-nine (59) construction contracts with a value of \$2.238 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 16,042 construction workers were employed for 8,849,360 hours and earned wages of \$357,804,612 on WSIP PLA-covered projects.
- 1,517 San Francisco residents worked 653,513 hours and earned \$25,924,215 on WSIP PLA-covered projects representing 7% of covered hours and 314 full-time equivalent worker years.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. 6,524 residents of the Regional Service Territory earned wages of \$135,790,543 and worked 3,477,443 hours, representing 39% of covered hours and 1,672 full-time equivalent worker years.
- 15,231 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of December 31, 2021. 203 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Degion of Worker Desidence	Inception Through December 31, 2021						
Region of Worker Residence	Worker Count	Sum of Hours	Sum of Wages	FTE			
All Workers	16,042	8,849,360	\$ 357,804,612	4,254			
San Francisco	1,517	653,513	\$ 25,924,215	314			
SFPUC Service Territory	6,524	3,477,443	\$ 135,790,543	1,672			
Outside	8,019	4,718,403	\$ 196,089,854	2,268			

Construction Activity Highlights - Quarter Ending December 31, 2021

Contracting:

• There were no contracts awarded during the reporting period.

Employment:

- 172 construction workers were employed for 22,698 hours and earned wages of \$1,299,343 on WSIP PLA-covered projects.
- 36 San Francisco residents worked 4,945 hours and earned wages of \$273,160 on WSIP PLA-covered projects.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 60 residents of the Regional Service Territory worked 6,832 hours and earned wages of \$383,123 on WSIP PLA-covered projects.
- 4 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and no individuals were prevented from working as the result of a positive test.

	Three Months Ending December 31, 2021							
Region of Worker Residence	Worker Count	Sum of Hours	Sun	n Of Wages	FTE*			
All Workers	172	22,698	\$	1,299,343	11			
San Francisco	36	4,945	\$	273,160	2			
SFPUC Service Territory	60	6,832	\$	383,123	3			
Outside	76	10,921	\$	643,059	5			

Summary of Craft Worker Employment

*FTE is the abbreviation for Full Time Equivalent. Since the workers on the projects may only work a few hours or days on the project, this is a way to determine the number of full time positions created. It is found by taking the Sum of Hours divided by 2,080, the conventional value for total hours worked per year based on a 40-hour work week.

Summary of WSIP PLA-Covered Contract Awards

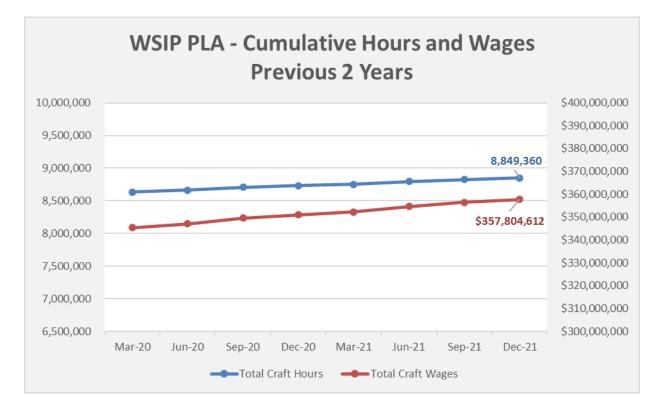
Symptizion Sam Francisco Westick Recycled Water (migation Systis) AMUIon 5 2.48: 3/12/19 VD-28252 Anvis Maufers (Link) 5 1.53: 3/12/19 VD-28252 Anvis Maufers (Link) 5 1.43: 1/2/219 VD-28252 Anvis Maufers (Link) 5 4.73: 1/2/219 VD-282274 Anvis Maufers (Link) 5 4.73: 1/2/219 VD-282274 Anvis Maufers (Link) Sam Francisco Groundwater Supply Phase 2 511.24: 1.73: 1/2/219 VD-282274 MMB CONSTRUCTION INC. Sam Francisco Groundwater Supply Phase 2 512.4: 1.71: 1.71: 1.71: 510.4: 1.11: 5.72: 7.71:				n Contracts Awarded Subject to the WSIP-PLA			
W12221 WD-2225* Annel Screek Receptor S22 Million 5 1931 W12319 WD-279* JMB Construction San Francisco Westuid Recycled Water Virgiton Syst S3 Million 5 24.84 W12319 WD-228* Subuc Construction, Lin Turner Dam Splink Recycled Water Virgiton S20 Million 5 4.74 V12219 WD-282282 Anvil Builders Inc. Lower Crystal Springs Dam Stilling Basin Connecting Ch 558 Million 5 4.76 V12219 WD-28284 Ranger Propendines Inc. San Andrass Million 5 4.76 V12219 WD-2874* Million Stan Andrass Consultation Symphrase 2 5112 Million 5 9.77 V12417 WD-2874* Million Million 5 9.78 7.77 9.72 9.77 9.72 9.77 9.72 9.77 9.72 9.77 9.72 9.77 9.72 9.77 9.72 9.77 9.72 9.77 9.72 9.77 9.72 9.77 9.72 9.72 9.72 9.72 9.72 9.72 9.72 9.72 9.72				nception through December 31, 2021			
Øy02828 Northony Engineering, Inc. San Francisco Westuide Recycled Water (migations 20 Million) 5 2,483 8/21/19 VD-2855 Suku Construction, ULG. Turre Dam Spillway and Pond F1 Fast troition Regaint 529 Million 5 4,784 8/21/219 VD-2825 Suku Construction, ULG. Turre Dam Spillway and Pond F1 Fast troition Regaint 529 Million 5 4,784 8/21/219 VD-2829R Ranger Pigelines Inc. San Andreas Pigeline No. 2 Replacement 528 Million 5 7,725 8/21/219 VD-2829P MBK CONSTRUCTION INC. San Francisco Construction Co. 2 San Million 5 10.8 Million 5 10.8 Million 5 4.2 San Million 5 2.8 Million 5 10.8 Million 5 10.8 Million 5 8.8 Million 5 10.8 Million 10.8							
M2.2727 JMB Construction San Francisco Westside Recycled Water Pump Stationa 320 Million 5 15.83 M21219 WD-282282 Anvil Builders Inc. Lower Crystal Springs Dam Stilling Basin Connecting Ch 55.8 Million 5 4.748 M21219 WD-282282 Anvil Builders Inc. San Andress Neurosci Springs Dam Stilling Basin Connecting Ch 55.8 Million 5 4.728 M21219 WD-2874* S.J. Amorosa Construction Ca, Inc. San Francisco Groundwater Supply Phase 2 San Endition St. 9.771 M21216 WD-279* JMB CONSTRUCTION INC. San Francisco Groundwater Supply Well Stations 3 San Marcins Sc Groundwater Supply Well Stations 3 11.061 M21216 WD-26784 NIK Construction Perinsula Vegetation Removal San Million 5 13.6 Million 3 14.055 M11315 WD-26688 Ranger Pipelines Inc. San Francisco Groundwater Storage and Recovery S51.0 Million 3 3.10.6 Million 3 3.10.6 Million 3 3.10.6 Million 3 3.12.6 Million 3 3.10.6 Million 3 3.10.6 Million 3.12.6 Million 3.12.6 Million 3.12.6 Million			Anvil Builders, Inc	Alameda Creek Recapture	\$22 Million		19,511,5
3/12/19 WD-285 Sukar Construction, LLC, Turne Parn Spillway and Pond F3 East Erosion Regain 12.21 MD 5 1.48 1/12/19 WD-28298 Anvilla Billion S 4.78 5 4.78 1/12/19 WD-28298 Anvien Spielines Inc. San Andreas Spieline No. 2 Replacement S216 504 Million S 7.75 1/12/17 WD-2809* Western Water Construction Co. San Francisco Groundwater Supply Phase 2 S11.2 Million S 2.73.2 1/12/16 WD-2629 MME Construction Fish Passage Facilities Within the Alameda Creek Wate 300 Million S 2.83.3 1/12/15 WD-2618* Western Water Construction, IK. San Francisco Groundwater Surge and Recovery S10.8 Million S 4.23.93 1/12/15 WD-2621* Ranger Pipelines Inc. San Francisco Groundwater Surge and Recovery S10.8 Million S 2.13.5 1/12/14 WD-2621* Ranger Pipelines Inc. San Francisco Groundwater Surge and Recovery Fish S10.8 Million S 2.14.5 1/12/14 WD-2621* Sander Pipelines Inc. San Francisco G	09/08/20						2,483,5
1/22/19 WD-282282 Anuel Builders inc Lower Crystal springs Dam Stilling Basin Connetting (DS.84 Million \$ 42.0 \$ 3				· · · ·			15,633,2
1/12/19 WD-28298 Ranger Pipelines Inc. San Andreas Pipelines Inc. San Fancisco Groundwater Supply Phase 2 S112 Million S 97,897 1/12/41/1 WD-2809* MECOSTRUCTON INC. San Fancisco Groundwater Supply Phase 2 S11.08 S11.08 S11.02							1,498,0
55/09/17 WD-277* S.J. Amoroso Construction Co., Inc., San Francisco Westick Recycled Water Treatment Fac (270 de Nillion \$ 9.788 Status Mater Constructions, Inc., San Francisco Westick Recycled Water Pipeline Status Million \$ 12,7471 WD-2798* Million NIC San Francisco Westick Recycled Water Pipeline Status Million \$ 12,833 \$ 71,717 WD-2654R Million NIC San Francisco Westick Recycled Water Pipelines Status Million \$ 12,834 \$ 71,717 WD-2624R Ranger Pipelines Inc. Regional Groundwater Storage and Recovery Status Million \$ 42,834 \$ 71,717,717 WD-2624 Ranger Pipelines Inc. Sen Francisco Groundwater Storage and Recovery Status Million \$ 71,717,717 WD-2627 Ranger Pipelines Inc. Sen Antonio Dackup Pipeline \$ 23,714 WD-2627 Ranger Pipelines Inc. Sen Antonio Dackup Pipeline \$ 24,7141 WD-26274 Status Million \$ 21,724 NM-2666 Simmiruck Construction Sen Antonio Dackup Pipeline Status Million \$ 13,737 Status Status Million \$ 73,731 NM-2626 Status Million \$ 21,73111 NM-2666 <td></td> <td></td> <td>Anvil Builders Inc</td> <td>Lower Crystal Springs Dam Stilling Basin Connecting Ch</td> <td>\$5.8 Million</td> <td></td> <td>4,784,7</td>			Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch	\$5.8 Million		4,784,7
1/24/17 WD-2809* Western Water Constructors, Inc. San Francisco Groundwater Supply Phase 2 S12.8 Million \$2.87.27 1/12/16 WD-2729 Shimmick Constructorn Fish Passage facilities Within the Almeda Creek Wate [30.8 Million \$2.83.4 1/12/15 WD-26218* Western Water Constructors, Inc. San Francisco Groundwater Supply Well Stations \$16.8 Million \$4.29.85 5/27/14 WD-26218* Western Water Constructors, Inc. San Francisco Groundwater Supply Pipeline \$3.35.4 Million \$6.27.67.8 5/27/14 WD-2622* Ranger Pipelines Inc. San Antonio Backup Pipeline \$3.45.6 Million \$6.37.77.6 7/27/14 WD-2622* Ranger Pipelines Inc. San Antonio Backup Pipeline \$2.45.0 S38.Million \$6.37.77.6 7/27/14 WD-2668 Shimmick Construction Beorgional Habitat Restoration, Sheeo Camp Creek \$2.7 Million \$6.37.111.0 \$7.27.6 7/27/11 WD-26518 Shimmick Construction Peninsula 2011 Watersheld Compensation, Sheen Camp Creek \$2.7 Million \$7.27.6 7/27/11 WD-26518 Shimmick Construction Peninsula 2011 Watersheld Compensation, Sheen Camp Creek							32,087,2
1/08/16 WD-2798* MB CONSTRUCTION INC San Francisco Westide Recycled Water Pipeline \$2.86. Million \$ 21.727 1/12/16 WD-26548 NTK Construction Peninsula vegetation Renoval \$3.06. Million \$ 11.06. 1/13/15 WD-26548 Ranger Pipelines Inc Regional Groundwater Storage and Recovery \$5.06 Million \$ 42.838 1/13/15 WD-2668 Ranger Pipelines Inc San Francisco Groundwater Storage and Recovery \$5.16 Million \$ 20.737 1/12/21.4 WD-2577 Ranger Pipelines Inc San francisco Groundwater Storage and Recovery \$3.10 Si Stillion \$ 20.737 1/2/2/1.4 WD-26277 San and Construction Bior Si Stillion \$ 20.741 1/2/2/1.4 WD-2629 Staver P. Rados Bay Division Pipeline SiAd at the Hayward Fault \$2.1 Million \$ 3.13.27 1/2/2/1.4 WD-2629 Stave P. Rados Corrilleras Micro Tunnel \$2.1 Million \$ 3.13.27 1/2/2/1.4 WD-2629 Stave P. Rados Corrilleras Micro Tunnel \$2.1 Million \$	05/09/17		S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Faci	\$70 to 80 Million		87,597,0
1/12/16 WD-2729 Shimmick Construction Fish Pasage Facilities Within the Alameda Creek Wategat Million \$ 28.43 \$ 1.1.06			Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million		9,780,0
0/2715 WD-2654R NTK Construction Peninsula Vegetation Removal \$10.8 Million \$ 11,01.0 0/2714 WD-2668 Ranger Pipelines Inc. Regional Groundwater Storage and Recovery \$51.6 Million \$ 42,985 0/2714 WD-2627 Ranger Pipelines Inc. San Antonio Backup Pipeline \$12.6 Million \$ 207,714 0/26277 Ranger Pipelines Inc. San Antonio Backup Pipeline \$21.6 35.6 Million \$ 21.7 35 0/26277 Sharmor Sco Sutro Reservoir Rehabilitation Sate 13.5 6 Million \$ 3.127 0/212 WD-2667 Sutro Rotin Construction Bioregional Habitat Restoration, Sheepe Camp Creek \$2.24 Million \$ 3.91 0/2121 WD-2668 Shimmic Construction Peninsula 2011 Watershed Compensation, Sherweed PC3 Sto Sc5.7 Million \$ 3.92 0/21311 WD-2607 Road Runner Drilling Regional Groundwater Storage and Recover-Prest Will Sto Sto Sc5.4 Million \$ 3.92 1/21311 WD-2663 Steve P. Rados Cordilleras Micro Tunnel San Antonio Sto Matkare Sto Sc5.5 Million \$ 3.92 <td>11/08/16</td> <td>WD-2798*</td> <td>JMB CONSTRUCTION INC</td> <td>San Francisco Westside Recycled Water Pipeline</td> <td>\$28.6 Million</td> <td></td> <td>21,729,7</td>	11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million		21,729,7
11/13/15 Wo-5212R* Western Water Constructors, Inc. San Francisco Groundwater Supply Well Statoms \$15 Million \$ 42,288 5/27/14 Wo-5222* Ranger Pipelines Inc. San Francisco Groundwater Supply Pipeline \$13.6 Million \$ 8,277 1/22/14 Wo-2522* Ranger Pipelines Inc. San Antonio Backup Pipeline \$22.5 Million \$ 231.7 1/22/14 Wo-2575 Ranger Pipelines Inc. San Antonio Backup Pipeline \$24.0 St36 Million \$ 31.37 1/22/14 Wo-2666 Shimmic Construction Bioregional Habitat Restoration, Sherwood PicS5 10 S6.7 Million \$ 3.51 1/21/11 Wo-2600* Road Mune Drilling Regional Groundwater Storage and Recovery-Test Well (\$3.6 of \$2.4 Million \$ 2.59 1/31/11 Wo-2600* Road Mune Drilling Regional Habitat Restoration, San Antonio Corek \$3.8 Million \$ 5.24 1/31/11 Wo-2600* Road Mune Drilling Regional Habitat Restoration, San Antonio Corek \$3.8 Million \$ 6.24 1/31/11 Wo-2600* Road Mune Drilling Regional Habitat Restoration, San Antonio Core		WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Wate	\$30 Million		28,939,3
1/13/15 WD-2668 Ranger Pipelines Inc Regional Groundwater Storgle and Recovery \$ \$20 Million \$ 42,988 1/22/14 WD-2727 Ranger Pipelines Inc San Ancicso Groundwater Supply Pipeline \$314 of Million \$ 223,51 1/22/14 WD-2627 Same Pipelines Inc San Ancicso Groundwater Supply Pipeline \$34 to \$38 Million \$ 231,37 1/22/14 WD-2627 Steve P Rados Bay Division Pipeline \$34 to \$34 Million \$ 31,37 1/2/2/14 WD-2629 Steve P. Rados Bay Division Pipeline \$34 to \$45,40 \$ 31,312 1/2/12/1 WD-2629 Steve P. Rados Conditional Fordian Construction Feal Ancie Pipelines 10:40 \$ 31,312 1/2/11/1 WD-2600* Road Runner Drilling Regional Groundwater Storge and Recovery -TEt Wall \$ 31,811 \$ 5,252 1/2/3/11 WD-2620 Gordon N. Bail, Inc Bioregional Habitat Restoration, San Antonio Greek \$ 31,811 \$ 5,42 1/2/3/11 WD-2640 Yerba Buera Engineering Habitat Restoration, San Antonio Greek \$ 31,811 \$ 6,42 1/2/3/11 WD-2640 Yerba Buera	10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million		11,062,5
5/27/14 W0-2622* Ranger Pipelines Inc. Penirosis Similuo predines Similuo Logrado \$21.6 Million \$ 8.677 1/22/14 W0-2575 Ranger Pipelines Inc. San Antonio Backup Pipeline. \$28.1 to 538 Million \$ 20.273 1/22/12 W0-2669 Shimmick Construction Bioregional Habitat Restoration, Sheep Camp Creek \$2.7 Million \$ 3.911 1/6/2/12 W0-2629 Steve P. Rados Bay Division Pipeline 38.4 at the Hayward Fault \$49 to 554 Million \$ 5.929 1/3/11 W0-2629 Steve P. Rados Cordilleras Micro Tunnel \$2.4 Million \$ 2.929 1/3/11 W0-2650 Steve P. Rados Cordilleras Micro Tunnel \$2.4 Million \$ 2.929 1/3/11 W0-2661 Steve P. Rados Cordilleras Micro Tunnel \$2.8 Million \$ 3.814 1/3/11 W0-2641 Yerba Buena Engineering Bioapin Habitat Restoration - Gondifish Pond \$2.4 Million \$ 3.814 1/3/2/11 W0-2641 Yerba Buena Engineering Bioapin Pipeline Sioatanantor in the sion antono sio anton sion anton sio ano	01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million		14,955,1
1/128/14 W0-2727 Ranger Pipelines Inc. Peninsula Pipeline Sistmi Ugrade \$22.5 Million \$ 21.373 1/12/21.1 W0-26278* SLAmoroso Sutro Reservir Rehabilitation \$28 to \$36 Million \$ 21.7455 1/6/26/12 W0-2629 Steve P. Rados Bay Division Pipeline Salt at the Hayward Fault \$49 to \$54 Million \$ 31.2745 1/2/12 W0-26518 Shimmick Construction Peninsula 2011 Watershed Compensation, Shewood P45:9 to \$67 Million \$ 2.2746 1/2/3/11 W0-2600* Road Runner Orilling Regional Groundwater Storage and Recover-Test Will [53 to \$42 Million \$ 2.978 1/3/3/11 W0-2600* Road Runner Orilling Habitat Rescore Argora, Homestad Pond, San Addres (54 Million \$ 5.275 1/3/3/11 W0-2652 Gordon N. Bail, Inc Bioregional Habitat Rescore Argora, Homestad Pond, San Addres (54 Million \$ 6.494 1/3/3/11 W0-2640 Yerba Buena Engineering Bioregional Habitat Restoration, San Adrono Creek, Siz Million \$ 2.492 1/3/3/11 W0-2640 Yerba Buena Engineering Bioregional Habitat Rescore Argora, Homestad Pond, San Adres Siz Mos Siz Million \$ 2.492 1/3/3/11 W0-2551	01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million		42,980,0
1/12/21 WD-2575 Ranger Pipelines Inc San Antonio Backup Pipeline Sat to S38 Million \$ 13.127 1/6/26/12 WD-26568 Shimmick Construction Bioregional Habitat Restoration, Sheep Camp Creek \$2.7 Million \$ 3.31.12 1/6/27/12 WD-26518 Shimmick Construction Peninsula 2011 Watershed Compensation, Sheevool PC \$5.9 to 56.7 Million \$ 5.59.1 2/13/11 WD-26518 Shimmick Construction Peninsula 2011 Watershed Compensation, Sherwool PC \$5.9 to 56.7 Million \$ 2.760 2/13/11 WD-26518 Shimmick Construction Regional Groundwater Storage and Recovery-Text Well \$3.5 to \$4.24 Million \$ 5.251 2/13/11 WD-26518 Store P. Rados Cordilleras Micro Tunnel \$ 52.6 Million \$ 5.252 6/26/11 WD-26418 Verba Buena Engineering Hobitat Restoration, San Antonio Creek \$ 13.181 6/27/411 WD-26418 Verba Buena Engineering Hobitat Restoration, San Antonio Creek \$ 45.101 6/27/411 WD-26418 Verba Buena Engineering Hobitat Restoration, San Antonio Creek \$ 45.111 6/27/411 HH-935C Corordro Construction, San Joaquin Pipeline System - Castora Segrow	05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$	8,676,6
bit/bit Subro Reservoir Rehabilitation 528 to \$38 Million 5 27,453 bit/bit Store Set State State Set Set Set Million 5 33,213 bit/bit Store P. Rados Bay Division Pipeline 3&4 at the Hayward Fault 549 to \$54 Million 5 33,213 bit/21/11 Wit-Set R. Shimmick Construction Parinsula 2011 Watershed Compensation, Sherwood P. 65 store S. 40 Million 5 2,766 bit/21/311 Wit-Set R. Shimmick Construction Regional Groundwater Storage and Recovery Test Well (33 to 54.4 Million 5 2,766 bit/31/11 Wit-Set Stere P. Rados Cordilleras Micro Tunnel 554 Stere F. Rados Cordilleras Micro Tunnel 54 Million 5 4,545 bit/31/11 Wit-Set Stere P. Rados Cordingram, Homestade Pond, San Andreas Sch Million 5 4,547 bit/31/11 Wit-Set Construction San Lawaras Dam Replacement Project, 525 to 537 Million 5 4,523 bit/31/11 Wit-Set Rager Pipelines Inc Crystal Spring Pipeline No.2 643 to 548 Million 5 3,254 bit/31/11 Wit-Set Rager Pipelines Inc Crystal Spring Pipeline No.2	01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million		20,736,3
bit/bit/21 WD-2666 Shimmick Construction Bitoregional Habitat Restoration, Sheep Camp Creek \$2.7 Million \$3.13.23 bit/21/21 WD-2651R Shimmick Construction Perinsula 2011 Watershed Compensation, Sherwood Pc \$5.9 to \$6.7 Million \$5.59 2/13/11 WD-2661R Shimmick Construction Perinsula 2011 Watershed Compensation, Sherwood Pc \$5.9 to \$6.7 Million \$5.29 2/13/11 WD-2660 Road Runner Drilling Regional Groundwater Storage and Recovery-Text Well (35.0 to \$4.24 Million \$5.29 2/13/11 WD-2665 Gordon N. Ball, Inc Bitoregional Habitat Restoration, San Antonio Creek \$1.31 Million \$6.294 9/13/11 WD-2641R Yerba Buena Engineering Hobitat Restoration - Goldfish Pond \$2.4 Million \$6.494 9/13/11 HH-35C Contri Construction, San Joaquin Pipeline Rotater Project, \$220 to \$245 Million \$1.2941 9/13/11 WD-255E Rongen Pipeline No.2 \$43 to \$48 Million \$2.2917 \$1.41,91 11/11/11 WD-2555 Rongen Pipeline No.2 \$43 to \$48 Million \$2.2015,220 \$1.74,92 11/11/11 WD-2556 Kewit	01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$	31,372,3
International Construction Bay Division Pipeline 3&4 at the Hayward Favult \$49 to \$54 Million \$31,32 V12/321 UN-2651R Simmick Construction Peninsula 2011 Watershed Compensation, Sherwood P(\$5 to \$6, 57 Million \$2,99 V13/11 WD-2660* Road Rumer Drilling Regional Groundwater Storage and Recovery-Test Well (\$3.6 to \$4.2 Million \$2,99 V13/11 WD-2665 Steve P, Rados Cordilleras Micro Tunnel \$5.8 Million \$2,99 V13/11 WD-2665 Steve P, Rados Cordilleras Micro Tunnel \$5.4 Million \$6.499 V13/11 WD-2661 Yerba Buena Engineering Bioregional Habitat Rescree Program, Homestad Pond, San Adree, \$6.4 Million \$6.499 V6/28.11 WD-2551 Signed Ticonstruction, San Joaquin Pipeline System - Tastern Segment \$5.2 to \$57 Million \$4.522 V5/24.11 WD-2555 Riger Pipelines Inc. Crystal Springs Pipeline No.2 \$43 to \$48 Million \$4.522 V12/11 WD-2555 Riger Pipelines Inc. Crystal Springs Pipeline No.2 \$43 to \$48 Million \$4.522 V14/10 WH-2555 Riger Pipelines Inc. Crystal Springs Pipeline No.2	06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$	27,453,0
International Construction Bay Division Pipeline 3&4 at the Hayward Favult \$49 to \$54 Million \$31,32 V12/321 UN-2651R Simmick Construction Peninsula 2011 Watershed Compensation, Sherwood P(\$5 to \$6, 57 Million \$2,99 V13/11 WD-2660* Road Rumer Drilling Regional Groundwater Storage and Recovery-Test Well (\$3.6 to \$4.2 Million \$2,99 V13/11 WD-2665 Steve P, Rados Cordilleras Micro Tunnel \$5.8 Million \$2,99 V13/11 WD-2665 Steve P, Rados Cordilleras Micro Tunnel \$5.4 Million \$6.499 V13/11 WD-2661 Yerba Buena Engineering Bioregional Habitat Rescree Program, Homestad Pond, San Adree, \$6.4 Million \$6.499 V6/28.11 WD-2551 Signed Ticonstruction, San Joaquin Pipeline System - Tastern Segment \$5.2 to \$57 Million \$4.522 V5/24.11 WD-2555 Riger Pipelines Inc. Crystal Springs Pipeline No.2 \$43 to \$48 Million \$4.522 V12/11 WD-2555 Riger Pipelines Inc. Crystal Springs Pipeline No.2 \$43 to \$48 Million \$4.522 V14/10 WH-2555 Riger Pipelines Inc. Crystal Springs Pipeline No.2	06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$	3,912,5
2/13/11 HH-953 Azul Works, Inc. Tesla Portal Protection \$2.4 Million \$5.2 Million \$2.993 2/13/11 WD-2660 Road Runner Drilling Regional Groundwater Storage and Recovery-Test Well (\$3.6 to \$4.2 Million \$5.251 1/08/11 WD-2655 Steve P. Rados Cordilleras Micro Tunnel \$5.8 Million \$5.251 1/08/11 WD-26541 Yerba Buena Engineering Habitat Reserve Program, Homestand Pond, San Antonio Zest to \$57 Million \$6.493 6/28/11 WD-26404 Yerba Buena Engineering Bioregional Habitat Restoration - Goldfish Pond \$2.4 Million \$6.432 15/24/11 WD-2551 Dragados/Flatiron/Sukut JV Calaveras Dam Replacement Project, \$220 to \$300 Million \$7.295, 77 11/27/11 WD-2556 Rager Pipelines Crystal Springs Pipeline No.2 \$43 to \$48 Million \$4.2,421 11/111 WD-2556 Rager Pipelines Crystal Springs Pingips Dam Improvements \$18 to \$22 Million \$4.2,641 11/1111 WD-2601 Kiewit Infrastructure West Crystal Springs Pingips Dam Improvements \$18 to \$22 Million \$5.255 11/210 WD	06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million		31,320,0
2/13/11 WD-2605 Stee P. Rados Cordilleras Micro Tunnel \$5.8 Million \$5.293 1/108/11 WD-2655 Stee P. Rados Cordilleras Micro Tunnel \$5.8 Million \$5.235 1/108/11 WD-2652 Gordon N. Ball, Inc Bioregional Habitat Reserve Program, Homestead Pond, San Antera (56.4 Million \$6.495 1/07/11 WD-2640 Yerba Buena Engineering Bioregional Habitat Resorve Program, Homestead Pond, San Antera (56.4 Million \$3.188 1/6/2/11 WD-2551 Dragados/Flatiron/Suku IV Calaveras Dam Replacement Project, \$220 to 5245 Million \$4.522 1/11/11 WD-2555 Ranger Pipelines Inc Crystal Springs Pipeline No.2 \$41 to 544 Million \$3.243 1/11/11 WD-2591 Kiewit Infrastructure West Lower Crystal Springs Dam Improvements \$18 to 522 Million \$4.79.06 1/11/11 WD-2591 Kiewit Infrastructure West Crystal Springs / San Andreas Uggrade \$100 to \$130 Million \$5.256 1/11/10 WD-2581 Southland/Tutor Perini JV New Irvington Tunnel \$230 to \$260 Million \$2.5657 1/11/10 WD-2581 Southland/	04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pe	\$5.9 to \$6.7 Million		5,591,7
2/13/11 WD-2605 Stee P. Rados Cordilleras Micro Tunnel \$5.8 Million \$5.293 1/108/11 WD-2655 Stee P. Rados Cordilleras Micro Tunnel \$5.8 Million \$5.235 1/108/11 WD-2652 Gordon N. Ball, Inc Bioregional Habitat Reserve Program, Homestead Pond, San Antera (56.4 Million \$6.495 1/07/11 WD-2640 Yerba Buena Engineering Bioregional Habitat Resorve Program, Homestead Pond, San Antera (56.4 Million \$3.188 1/6/2/11 WD-2551 Dragados/Flatiron/Suku IV Calaveras Dam Replacement Project, \$220 to 5245 Million \$4.522 1/11/11 WD-2555 Ranger Pipelines Inc Crystal Springs Pipeline No.2 \$41 to 544 Million \$3.243 1/11/11 WD-2591 Kiewit Infrastructure West Lower Crystal Springs Dam Improvements \$18 to 522 Million \$4.79.06 1/11/11 WD-2591 Kiewit Infrastructure West Crystal Springs / San Andreas Uggrade \$100 to \$130 Million \$5.256 1/11/10 WD-2581 Southland/Tutor Perini JV New Irvington Tunnel \$230 to \$260 Million \$2.5657 1/11/10 WD-2581 Southland/	12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$	2,760,0
1/108/11 WD-2652 Cordon N. Ball, Inc. Bioregional Habitat Restoration, San Antonio Creek. \$13.01111ion \$ 6.491 1/07/11 WD-2641R Yerba Buena Engineering Habitat Reserve Program, Homestead Pond, San Andreas \$6.4 Million \$ 6.493 1/07/11 WD-2541R Yerba Buena Engineering Bioregional Habitat Restoration. Goldfish Pond. \$2.4 Million \$ 4.35.23 1/17/11 WD-2555 Ragadox/Flatiron/Sukut IV Calaveras Dam Replacement Project, \$250 to 5300 Million \$ 3.245 1/11/11 WD-2555 Range Pipelines Inc. Crystal Springs Pipeline No.2 \$43 to \$48 Million \$ 3.254 1/11/11 WD-2501 Kiewit Infrastructure West Lower Crystal Springs Dam Improvements \$18 to \$22 Million \$ 3.736 1/11/10 WD-2621 Kiewit Infrastructure West Lower Crystal Springs Dam Improvements \$18 to \$22 Million \$ 3.254 1/11/10 WD-26231 Routhain Cascade, Inc. San Joaquin Pipeline No.2 \$200 to \$260 Million \$ 3.256 1/11/10 WD-25231 Southland/Tutor Perini JV New Irvington Tunnel \$200 to \$260 Million \$ 2.246.655 <tr< td=""><td></td><td>WD-2600*</td><td>Road Runner Drilling</td><td>Regional Groundwater Storage and Recovery-Test Well</td><td>\$3.6 to \$4.2 Million</td><td></td><td>2,998,6</td></tr<>		WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million		2,998,6
1/108/11 WD-2652 Cordon N. Ball, Inc. Bioregional Habitat Restoration, San Antonio Creek. \$13.01111ion \$ 6.491 1/07/11 WD-2641R Yerba Buena Engineering Habitat Reserve Program, Homestead Pond, San Andreas \$6.4 Million \$ 6.493 1/07/11 WD-2541R Yerba Buena Engineering Bioregional Habitat Restoration. Goldfish Pond. \$2.4 Million \$ 4.35.23 1/17/11 WD-2555 Ragadox/Flatiron/Sukut IV Calaveras Dam Replacement Project, \$250 to 5300 Million \$ 3.245 1/11/11 WD-2555 Range Pipelines Inc. Crystal Springs Pipeline No.2 \$43 to \$48 Million \$ 3.254 1/11/11 WD-2501 Kiewit Infrastructure West Lower Crystal Springs Dam Improvements \$18 to \$22 Million \$ 3.736 1/11/10 WD-2621 Kiewit Infrastructure West Lower Crystal Springs Dam Improvements \$18 to \$22 Million \$ 3.254 1/11/10 WD-26231 Routhain Cascade, Inc. San Joaquin Pipeline No.2 \$200 to \$260 Million \$ 3.256 1/11/10 WD-25231 Southland/Tutor Perini JV New Irvington Tunnel \$200 to \$260 Million \$ 2.246.655 <tr< td=""><td>12/13/11</td><td>WD-2665</td><td>Steve P. Rados</td><td>Cordilleras Micro Tunnel</td><td>\$5.8 Million</td><td>\$</td><td>5,251,1</td></tr<>	12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$	5,251,1
9/13/11 WD-26418 Verba Buena Engineering Habitat Resrve Program, Homestad Pond, San Andrea; Sc 4 Million \$ 6.439 16/28/11 WD-2640 Yerba Buena Engineering Bioregional Habitat Restoration - Goldfish Pond \$2.4 Million \$ 3.183 16/28/11 WD-2551 Dragados/Flatiron/Suku1/V Calaveras Dam Replacement Project, \$250 to \$300 Million \$ 2529.5 15/24/11 WD-2555 Ranger Pipelines Inc Crystal Springs Pipeline No.2 \$43 to \$48 Million \$ 32.547 2/14/10 HH-9358 Mountain Cascade, Inc San Joaquin Pipeline - Western Segment \$70 Million \$ 48.700 9/14/10 WD-2601 Kiewit Infrastructure West Crystal Springs Dam Improvements \$18 to \$22 Million \$ 5.265 9/14/10 WD-2611 Kiewit Infrastructure West Crystal Springs Dam Improvements \$100 to \$130 Million \$ 8.22 9/14/10 WD-2581 Southland/Tutor Perini JV New Irvington Tunnel \$230 to \$260 Million \$ 215.29 16/08/10 WD-2581 Michels/JayDee/Coluccio, JV Bay Tunnel							12,947,4
biology WD-2640 Verba Buena Engineering Bioregional Habitat Restoration - Goldish Pond \$2.4 Million \$ 3.3.8 biol/14/11 HH-935C Contri Construction, San Joaquin Pipeline System - Eastern Segment \$52 to \$57 Million \$ 252,977 biol/11/11 WD-2556 Riewit Infrastructure West Harry Tracy Water Treatment Pint Long-Term \$320 to \$245 Million \$ 325,47 biol/11/11 WD-2556 Riemit Infrastructure West Lower Crystal Springs Dani Improvements \$34 to \$48 Million \$ 325,44 biol/14/10 WD-2601 Kiewit Infrastructure West Lower Crystal Springs Dani Improvements \$18 to \$22 Million \$ 77,366 biol/14/10 WD-2601 Kiewit Infrastructure West Lower Crystal Springs Dani Improvements \$18 to \$22 Million \$ 72,66,57 biol/14/10 WD-2621 Ra W Concrete Harding Park Recycled Water Project \$5.55 Million \$ 52,25,26 biol/27/10 WD-2531 Richels/Jaybee/Coluccio, JV Bay Turing Park Recycled Water Project \$5.54 Million \$ 52,15,29 biol/27/10							6,499,0
Instruction San Joaquin Pipeline System - Eastern Segment \$52 to \$57 Million \$ 44.322 5/2/4/11 WD-2551 Dragados/Flatiron/Sukut JV Calaveras Dam Replacement Project, \$220 to \$245 Million \$ 259,57 1/2/11 WD-2555 Renger Pipelines Inc Crystal Springs Pipeline No.2 \$43 to \$48 Million \$ 325,44 2/14/10 HH-9358 Mountain Cascade, Inc San Joaquin Pipeline- Western Segment \$10 to \$130 Million \$ 48,700 9/14/10 WD-2601 Kiewit Infrastructure West Crystal Springs Dan Improvements \$18 to \$22 Million \$ 97,860 9/14/10 WD-2611 Kiewit Infrastructure West Crystal Springs / San Andress Upgrade \$100 to \$130 Million \$ 92,665 16/08/10 WD-2581 Southland/Tutor Perini JV New Irvington Tunnel \$230 to \$260 Million \$ 221,52 17/10 WD-2582 Shimmick Construction San Joaquin Pipeline System - Crossovers \$21,60 \$216,010 \$ 21,722 1/4/10 WH-2581 Southland Cascade San Joanin Pipeline System - Crossovers							3,188,0
15/24/11 WD-2551 Dragdos/Flatiron/Sukut // Calaveras Dam Replacement Project, \$520 to \$240 Million \$ 25957 11/27/11 WD-2555 Riewit Infrastructure West Harry Tracy Water Treatment Plant Long-Term \$220 to \$245 Million \$ 32,541 2/14/10 HH-9358 Mountain Cascade, Inc San Joaquin Pipeline - Western Segment \$70 Million \$ 32,541 2/14/10 WD-2591 Kiewit Infrastructure West Crystal Springs Dam Improvements \$18 to \$22 Million \$ 177,366 9/14/10 WD-2601 Kiewit Infrastructure West Crystal Springs Palmine Noac \$56,55 Million \$ 5,255 16/08/10 WD-2623* R & W Concrete Harding Park Recycled Water Project \$56,55 Million \$ 2226,655 16/08/10 WD-2581 Southland/Tutor Perini JV New Irvington Tunnel \$210 vs.260 Million \$ 212,529 12/16/09 WD-2531 Michels/JayDee/Coluccio, JV Bay Tunnel \$231 to \$216 Million \$ 212,529 12/2/09 WD-2542 Mountain Cascade Bay Division Pipeline Reliability Up							45,329,4
11/27/11 WD-2596 Kiewit Infrastructure West Harry Tracy Water Treatment Plant Long-Term \$220 to \$245 Million \$ 174 (19) 11/11/11 WD-2555 Ranger Pipelines Inc Crystal Springs Pipeline No.2 \$43 to \$48 Million \$ 32,543 12/14/10 WD-2591 Kiewit Infrastructure West Lower Crystal Springs Dam Improvements \$18 to \$22 Million \$ 17,366 19/14/10 WD-2610 Kiewit Infrastructure West Crystal Springs / San Andreas Upgrade \$100 to \$130 Million \$ 99,766 19/14/10 WD-2611 Kiewit Infrastructure West Crystal Springs / San Andreas Upgrade \$100 to \$130 Million \$ 92,766 19/14/10 WD-26231 Suthland/Tutor PerinI JV New Irvington Tunnel \$230 to \$260 Million \$ 222,6657 14/17/10 HP-358A Mountain Cascade, Bay Division Pipeline No. 5 - Peninsula Reaches \$62 to \$69 Million \$ 215,294 12/21/09 WD-2541 Ranger Pipelines Inc Supervisory Control and Data Acquisition Phase II \$10.6 Million \$ 3,847 19/22/09 WD-2549 <td< td=""><td></td><td></td><td>,</td><td></td><td></td><td></td><td>259,571,8</td></td<>			,				259,571,8
11/11/11WD-2555Ranger Pipelines IncCrystal Springs Pipeline No.2\$43 to \$48 Million\$32,5442/14/10WD-2591Kiewit Infrastructure WestSan Joaquin Pipeline - Western Segment\$70 Million\$\$48,7002/14/10WD-2501Kiewit Infrastructure WestCrystal Springs Dan Improvements\$18 to \$22 Million\$97,7639/14/10WD-2601Kiewit Infrastructure WestCrystal Springs / San Andreas Upgrade\$100 to \$130 Million\$99,7639/14/10WD-2623*R & W ConcreteHarding Park Recycled Water Protect\$6.5 Million\$226,65316/08/10WD-2581Southland/Tutor Perini JVNew Irvington Tunnel\$230 to \$250 Million\$\$226,65314/17/10WD-2584Shirmnick ConstructionSunol Valley Water Treatment Plant\$109 Million\$\$83,1022/18/09WD-2531Michels/JayDeg/coluccio, JVBay Tunnel\$231 to \$250 Million\$\$52,1380/27/09WD-2541Ranger Pipelines IncBay Division Pipeline Rol. 5 - Peninsula Reaches\$62 to \$69 Million\$552,1380/27/09WD-2589Ranger Pipelines IncSupervisory Control and Data Acquisition Phase II\$10.6 Million\$3,8449/28/09WD-2580Mountain CascadeSan Andreas Pipeline Ro.3 Installation Project\$82 to \$9.5 Million\$12,8559/08/09WD-2566Mountain CascadeSan Andreas Pipeline Ro.3 Installation Project\$20 to \$25 Million\$12							174,197,0
2/14/10HH-935BMountain Cascade, IncSan Joaquin Pipeline - Western Segment\$70 Million\$48,7002/14/10WD-2591Kiewit Infrastructure WestLower Crystal Springs Dan Improvements\$18 to \$22 Million\$17,36019/14/10WD-2601Kiewit Infrastructure WestCrystal Springs / San Andreas Upgrade\$100 to \$130 Million\$99,76319/14/10WD-2633*R & W ConcreteHarding Park Recycled Water Proiect\$65.5 Million\$5,25716/08/10WD-2581Southland/Tutor Perini J/New Irvington Tunnel\$100 to \$101 Million\$\$83,10014/13/10HH-935AWest Bay BuildersSan Joaquin Pipeline System - Crossovers\$21.6 Million\$\$\$11,7222/18/09WD-2531Michels/JayDee/Coluccio, JVBay Tunnel\$235 to \$260 Million\$\$\$21,5292/08/09WD-2541Ranger Pipelines IncBay Division Pipeline No. 5 - Penisula Reaches\$62 to \$69 Million\$\$\$\$0/27/09WD-2589Ranger Pipelines IncSupervisory Control and Data Acquisition Phase II\$10.6 Million\$3.84419/22/09WD-2560Mountain CascadeSan Antonio Pump Station Upgrade-East Bay\$88 to \$98 Million\$6.15510/27/09WD-2581San Antonio Pump Station Upgrades Project\$8.5 to \$9.5 Million\$6.29510/24/09WD-2563Mountain CascadeSan Antonio Pump Station Ungrades Project\$20 to \$25 Million\$6.93310/23/0							32,547,3
(2)14/10WD-2591Kiewit Infrastructure WestLower Crystal Springs J San Andreas Upgrade\$18 to \$22 Million\$17,360(9)14/10WD-2623*R & W ConcreteHarding Park Recycled Water Proiect\$100 to \$130 Million\$99,763(9)14/10WD-2623*R & W ConcreteHarding Park Recycled Water Proiect\$230 to \$260 Million\$226,655(4)27/10WD-2581Southland/Tutor Perini JVNew Irvington Tunnel\$109 Million\$88,100(4)13/10HH-935AWest Bay BuildersSan Jacquin Pipeline System - Crossovers\$21.6 Million\$215,299(2)13/09WD-2531Michels/JayDee/Coluccio, JVBay Tunnel\$235 to \$260 Million\$\$52,128(2)2/19WD-2541Ranger Pipelines IncBay Division Pipeline Reliability Upgrade-East Bay\$88 to \$98 Million\$\$6,1552(0)27/09WD-2549Ranger Pipelines IncSupervisory Control and Data Acquisition Phase II\$10.6 Million\$3,843(9)22/09WD-2573S.J.AmorosoPulgas Reservoir Structural Rehabilitation\$14 to \$18 Million\$2,837(6)23/09WD-2561Mountain CascadeSan Andreas Pipeline No. 4 Project\$81.1 Nillion\$2,837(6)23/09WD-2552Stowe P. RadosAlameda Siphon No. 4 Project\$21.5 Million\$2,837(6)23/09WD-2554Mountain CascadeSan Andreas Pipeline No.3 Installation Project\$21.5 Million\$2,959(6)23/09WD-2554Stowe P.							48,706,3
19/14/10WD-2601Kiewit Infrastructure WestCrystal Springs / San Andreas Upgrade\$100 to \$130 Million\$97,6319/14/10WD-2623*R & W ConcreteHarding Park Recycled Water Project\$6.5 Million\$226,65319/14/10WD-2581Southland/Tutor Perini JVNew Irvington Tunnel\$100 to \$100 Million\$226,65310/27/10WD-2582Shimmick ConstructionSunol Valley Water Treatment Plant\$109 Million\$11,72212/18/09WD-2531Michels/JayDee/Coluccio, JVBay Tunnel\$235 to \$260 Million\$215,22312/18/09WD-2542Mountain Cascade,Bay Division Pipeline No. 5 - Peninsula Reaches\$62 to \$69 Million\$62,18310/27/09WD-2541Ranger Pipelines IncBay Division Pipeline Reliability Upgrade-East Bay\$88 to \$98 Million\$61,55310/27/09WD-2573S.J.AmorosoPulgas Reservoir Structural Rehabilitation\$14 to \$18 Million\$12,85319/28/09WD-2566Mountain CascadeSan Antonio Pump Station Upgrades Project\$8.5 to \$9.5 Million\$6,99316/23/09WD-2533S.J.AmorosoUniversity Mound Reservoir North Basin\$47 to \$25 Million\$2,83316/23/09WD-2534S.J.AmorosoUniversity Mound Reservoir North Basin\$47 to \$25 Million\$2,95915/26/09WD-2534S.J.AmorosoUniversity Mound Reservoir North Basin\$47 to \$25 Million\$12,69915/26/09WD-2534S.J.AmorosoUniversity Mound Reservoir North Basin\$47 to \$25 Million\$12,69915/26/							17,360,4
99/14/10WD-2623*R & W ConcreteHarding Park Recycled Water Proiect\$6.5 Million\$5.25366/08/10WD-2581Southland/Tutor Perini JVNew Irvington Tunnel\$230 to \$260 Million\$226,65314/27/10WD-2582Shimmick ConstructionSunol Valley Water Treatment Plant\$109 Million\$83,10314/17/10HH-935AWest Bay BuildersSan Joaquin Pipeline System - Crossovers\$21.6 Million\$215,29312/18/09WD-2531Michels/JayDee/Coluccio, JVBay Division Pipeline No.5 - Peninsula Reaches\$62 to \$69 Million\$25,2180/27/09WD-2541Ranger Pipelines. Inc.Bay Division Pipeline Reliability Uggrade-East Bay\$88 to \$98 Million\$61,5550/27/09WD-2548Ranger Pipelines. Inc.Supervisory Control and Data Acquisition Phase II\$10.6 Million\$12,85519/28/09WD-2543SJ.AmorosoPulgas Reservoir Structural Rehabilitation\$14 to \$18 Million\$2,83316/23/09WD-2513Mountain CascadeRoaelle Crossover Improvements\$3.1 Million\$2,83316/23/09WD-2528Steve P. RadosAlameda Siphon No. 4 Project\$45.5 Million\$3.1,93316/23/09WD-2548*Western WaterLake Merced Pump Station Essential Uggrades\$52.1 506 Million\$3.1,93316/23/09WD-2548*Western WaterLake Merced Pump Station Essential Uggrades\$52.5 50 Million\$3.1,93316/23/09WD-2548*Western WaterLake Merced Pump Station Essential Uggrades\$52.5 to \$150 Million\$3.1,933							99,763,0
16/08/10WD-2581Southland/Tutor Perini JVNew Irvington Tunnel\$230 to \$260 Million\$\$226,65714/27/10WD-2582Shimmick ConstructionSunol Valley Water Treatment Plant\$109 Million\$831,00714/13/10HH-935AWest Bay BuildersSan Joaquin Pipeline System - Crossovers\$21.6 Million\$11,72312/18/09WD-2531Michels/JayDee/Coluccio, JVBay Tunnel\$235 to \$260 Million\$215,29412/08/09WD-2542Mountain Cascade,Bay Division Pipeline Reliability Upgrade-East Bay\$88 to \$98 Million\$61,55510/27/09WD-2548Ranger Pipelines IncSupervisory Control and Data Acquisition Phase II\$10.6 Million\$3.84419/22/09WD-2566Mountain CascadeSan Antonio Pump Station Upgrades Project\$8.5 to \$9.5 Million\$6.99317/14/09HH-9148Mountain CascadeSan Andreas Pipeline No.3 Installation Project\$20 to \$25 Million\$2.83316/23/09WD-2556Mountain CascadeSan Andreas Pipeline No.4 Project\$45.5 Million\$3.19316/23/09WD-2552Steve P. RadosAlameda Siphon No. 4 Project\$45.5 Million\$3.19315/24/09WD-2568Shimmick ConstructionBDPL Nos. 3&4 Crossover Facilities\$21.5 Million\$3.19315/24/09WD-2568Shimmick ConstructionBDPL Nos. 3&4 Crossover Facilities\$21.5 Million\$3.19315/24/09WD-2568Shimmick ConstructionBDPL N							5,251,1
M4/27/10WD-2582Shimmick ConstructionSunol Valley Water Treatment Plant\$109 Million\$83,102M4/13/10HH-935AWest Bay BuildersSan Joaquin Pipeline System - Crossovers\$21.6 Million\$11,7222/18/09WD-2531Michels/JayDee/Coluccio, JVBay Tunnel\$235 to \$260 Million\$215,2232/208/09WD-2542Mountain Cascade,Bay Division Pipeline No. 5 - Peninsula Reaches\$62 to \$69 Million\$521,2830/27/09WD-2541Ranger Pipelines IncBay Division Pipeline Reliability Upgrade-East Bay\$88 to \$98 Million\$61,5530/27/09WD-2573SJ.AmorosoPulgas Reservoir Structural Rehabilitation\$114 to \$18 Million\$3,84419/22/09WD-2568Mountain CascadeSan Antonio Pump Station Upgrades Project\$8.5 to \$9.5 Million\$62,93717/4/09HH-914RMountain CascadeSan Antonio Pump Station Upgrades Project\$2.10 \$25 Million\$2,83716/23/09WD-2553Mountain CascadeSan Antonio Pump Station Upgrades Project\$4.5 Million\$16,33916/23/09WD-2568Shimmick ConstructionBDPL Nos. 3&4 Crossover Facilities\$2.1.5 Million\$12,85717/4/09WD-2568Shimmick ConstructionBDPL Nos. 3&4 Crossover Facilities\$2.1.5 Million\$12,69914/17/09WD-2568Shimmick ConstructionBaden and San Pedro Valve Lot Improvements\$15 to \$18 Million\$11,53212/20/08WD-2559*KS MoodsNoe Valley Transmission Main-Phase 2\$6 to \$8 Million\$5,722							226,657,7
M4/13/10HH-935AWest Bay BuildersSan Joaquin Pipeline System - Crossovers\$21.6 Million\$11,7232,718/09WD-2531Michels/JayDee/Coluccio, JVBay Tunnel\$235 to \$260 Million\$\$215,2942,208/09WD-2542Mountain Cascade,Bay Division Pipeline Reliability Upgrade-East Bay\$88 to \$98 Million\$\$\$52,1832,0/27/09WD-2541Ranger Pipelines IncBay Division Pipeline Reliability Upgrade-East Bay\$88 to \$98 Million\$\$\$12,8550/27/09WD-2566Mountain CascadeSupervisory Control and Data Acquisition Phase II\$10.6 Million\$\$3,84719/22/09WD-2513SJ.AmorosoPulgas Reservoir Structural Rehabilitation\$14 to \$18 Million\$12,85519/08/09WD-2516Mountain CascadeSan Andreas Pipeline No.3 Installation Project\$20 to \$25 Million\$16,33316/23/09WD-2513Mountain CascadeSan Andreas Pipeline No.3 Installation Project\$21.5 Million\$31,93416/23/09WD-2552Steve P. RadosAlameda Siphon No. 4 Project\$45.5 Million\$31,93410/14/09WD-2548Western WaterLake Merced Pump Station Essential Upgrades\$52 to \$60 Million\$31,58410/14/08WD-2556JMB ConstructionBdPL Nos.3&4 Crossover Facilities\$21.5 Million\$31,58410/14/08WD-2556JMB ConstructionBaden and San Pedro Valve Lot Improvements\$15 to \$18 Million\$5,724							
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V5/27/08WD-2564NTK ConstructionHarry Tracy Water Treatment Plant-Short Term\$15 to \$18 Million\$13,824L2/11/07WD-2469*Cal State ConstructorsForest Knolls Pump Station and Storage Tank\$5.5 to \$7 Million\$6,547L2/07/07WD-2501*Monterey MechanicalAlemany Pump Station\$18 to \$22 Million\$23,269L1/13/07WD-2511Power EngineeringStandby Power Facilities, Various Locations\$5.7 Million\$8,419	09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$	13,529,
L2/11/07WD-2469*Cal State ConstructorsForest Knolls Pump Station and Storage Tank\$5.5 to \$7 Million\$6,547L2/07/07WD-2501*Monterey MechanicalAlemany Pump Station\$18 to \$22 Million\$23,269L1/13/07WD-2511Power EngineeringStandby Power Facilities, Various Locations\$5.7 Million\$48,419	05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$	13,824,
L2/07/07 WD-2501* Monterey Mechanical Alemany Pump Station \$18 to \$22 Million \$23,269 1.1/13/07 WD-2511 Power Engineering Standby Power Facilities, Various Locations \$5.7 Million \$48	12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$	6,547,
Introduction WD-2511 Power Engineering Standby Power Facilities, Various Locations \$5.7 Million \$ 8,419	12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$	23,269,
	11/13/07		Power Engineering			\$	8,419,
	06/26/07		0 0			\$	17,899,

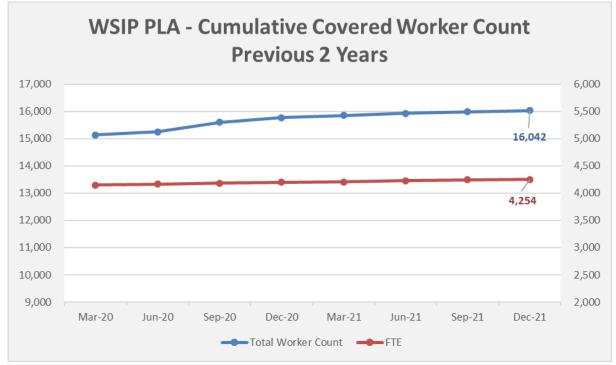
* indicates projects located in San Francisco

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending December 31, 2021, 16,042 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,849,360 craft hours and \$357,804,612 in craft wages.

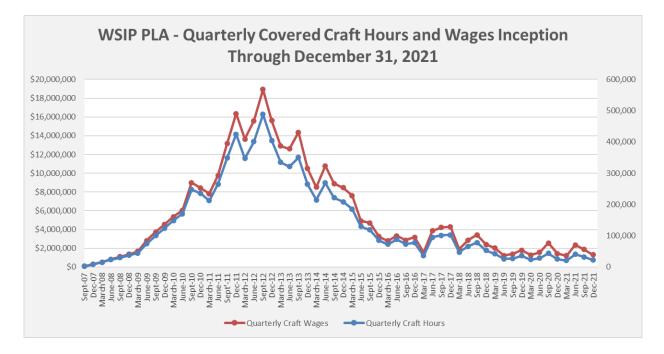
The tables below describe the progressive accumulation of these totals over the past two years.





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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98.9% total completion, Craft Hours have and will likely continue to trend down until total completion.



The chart below represents a close-up of the one above, highlighting the past two years.



Craft Utilization on WSIP PLA-Covered Projects

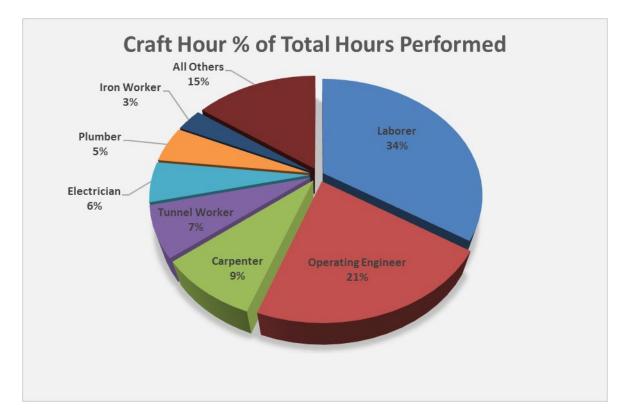
As of December 31, 2021, contractors reported craft hours in 56 craft worker classifications that the SFPUC summarizes into 32 craft areas.

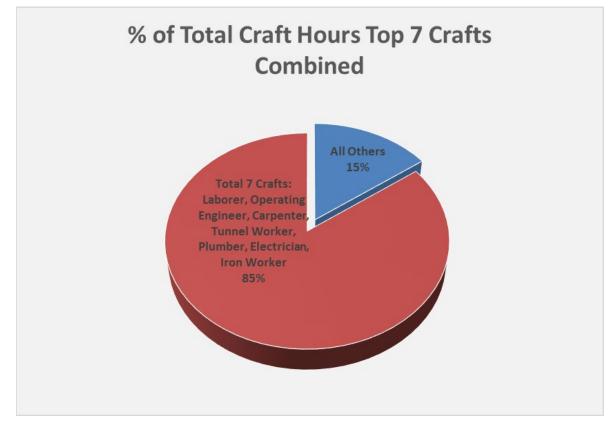
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed by Plumbers.

	Cumulative	Em	ployment by	Craft			
	Inception Thro	bugł	n December 31	, 2021			
Croft	Total Llaura			% Craft Hours	% Wages of	FTF	
Craft	Total Hours	l '	otal Wages	of Total Hours	Total Wages	FTE	
Laborer	3,021,945	\$	94,592,125	34.1%	26.4%	1,453	
Operating Engineer	1,860,155	\$	78,650,357	21.0%	22.0%	894	
Carpenter	772,479	\$	33,186,091	8.7%	9.3%	371	
Tunnel Worker	612,964	\$	26,175,557	6.9%	7.3%	295	
Electrician	532,744	\$	29,374,786	6.0%	8.2%	256	
Plumber	459,690	\$	22,388,615	5.2%	6.3%	221	
Iron Worker	279,486	\$	9,742,925	3.2%	2.7%	134	
Top 7 Sub-Total	7,539,463	\$	294,110,457	85.2%	82.2%	3,625	
Pile Driver	181,764	\$	9,710,884	2.1%	2.7%	87	
Painter	156,929	\$	6,245,304	1.8%	1.7%	75	
Cement Mason	129,821	\$	4,575,182	1.5%	1.3%	62	
Boilermaker	121,771	\$	6,494,850	1.4%	1.8%	59	
Building/Construction Inspector	88,877	\$	5,006,999	1.0%	1.4%	43	
Roofer	51,003	\$	1,743,006	0.6%	0.5%	25	
Sheet Metal Worker	31,905	\$	1,685,160	0.4%	0.5%	15	
Field Surveyor	22,111	\$	1,263,117	0.2%	0.4%	11	
Drywall Installer/Lather	13,762	\$	619,628	0.2%	0.2%	7	
Glazier	12,939	\$	653,643	0.1%	0.2%	6	
Plasterer	12,448	\$	466,843	0.1%	0.1%	6	
Bricklayer	10,387	\$	412,285	0.1%	0.1%	5	
Electrical Utility Lineman	6,909	\$	425,367	0.1%	0.1%	3	
Metal Roofing Systems Installer	2,586	\$	92,217	0.0%	0.0%	1	
Asbestos Worker, Heat and Frost Insu	1,704	\$	101,468	0.0%	0.0%	1	
Brick Tender	993	\$	34,361	0.0%	0.0%	0	
Tile Setter	677	\$	28,192	0.0%	0.0%	0	
Driver	617	\$	57,899	0.0%	0.0%	0	
Tile Finisher	523	\$	13,087	0.0%	0.0%	0	
Carpet Layer	354	\$	16,311	0.0%	0.0%	0	
Elevator	238	\$	17,611	0.0%	0.0%	0	
Terrazzo Worker	199	\$	8,163	0.0%	0.0%	0	
Sprinkler Fitter	136	\$	9,238	0.0%	0.0%	0	
Marble Finisher	40	\$	1,342	0.0%	0.0%	0	
Terrazzo Finisher	4	\$	160	0.0%	0.0%	0	
Remaining Apprenticeable Sub-Total	848,695	\$	39,682,319	9.6%	11.1%	408	
Total Non-Apprenticeable	461,201	\$	24,011,836	5.2%	6.7%	222	
Total WSIP-Covered by PLA	8,849,360	\$	357,804,612	100.0%	100.0%	4,254	

Sorted by Total Craft Hours

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of December 31, 2021. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 71% of craft hours worked on PLA-covered projects.



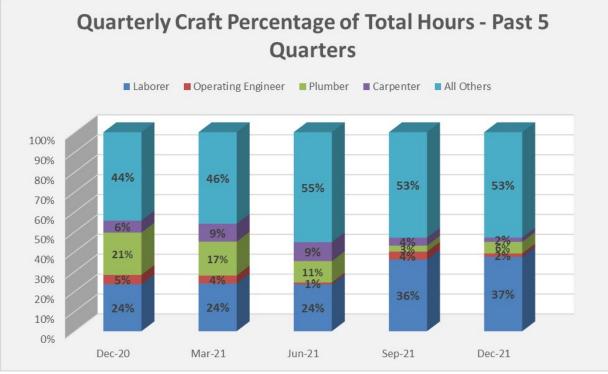


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	(Total Cumulative Wages	Quarter Ending 12-31-2021 Hours		uarter Ending 12-31-2021 Wages
Laborer	3,021,945	\$	94,592,125	8,481	\$	347,765
Operating Engineer	1,860,155	\$	78,650,357	387	\$	34,340
Carpenter	772,479	\$	33,186,091	496	\$	28,777
Tunnel Worker	612,964	\$	26,175,557	-	\$	-
Electrician	532,744	\$	29,374,786	16	\$	2,769
Plumber	459,690	\$	22,388,615	1,320	\$	93,568
Iron Worker	279,486	\$	9,742,925	-	\$	-
Pile Driver	181,764	\$	9,710,884	-	\$	-
Painter	156,929	\$	6,245,304	1,852	\$	97,202
Cement Mason	129,821	\$	4,575,182	320	\$	13,671
Boilermaker	121,771	\$	6,494,850	-	\$	-
Building/Construction Inspector	88,877	\$	5,006,999	11	\$	781
Roofer	51,003	\$	1,743,006	218	\$	9,770
Sheet Metal Worker	31,905	\$	1,685,160	372	\$	24,923
Field Surveyor	22,111	\$	1,263,117	16	\$	826
Drywall Installer/Lather	13,762	\$	619,628	38	\$	2,280
Glazier	12,939	\$	653,643	2,821	\$	148,107
Plasterer	12,448	\$	466,843	320	\$	13,671
Bricklayer	10,387	\$	412,285	32	\$	1,818
Electrical Utility Lineman	6,909	\$	425,367	5,643	\$	455,294
Metal Roofing Systems Installer	2,586	\$	92,217	-	\$	-
Asbestos Worker, Heat and Frost Insulator	1,704	\$	101,468	293	\$	20,629
Brick Tender	993	\$	34,361	-	\$	-
Tile Setter	677	\$	28,192	64	\$	3,153
Driver	617	\$	57,899	-	\$	-
Tile Finisher	523	\$	13,087	-	\$	-
Carpet Layer	354	\$	16,311	-	\$	-
Elevator	238	\$	17,611	-	\$	-
Terrazzo Worker	199	\$	8,163	-	\$	-
Sprinkler Fitter	136	\$	9,238	-	\$	-
Marble Finisher	40	\$	1,342	-	\$	-
Terrazzo Finisher	4	\$	160	-	\$	-
	8,388,158		333,792,776	22,698		1,299,343
Teamster	136,065	\$	6,427,969		\$	-
Driver (On/Off-Hauling To/From Construction Site)	99,702	э \$	7,474,717	-	ъ \$	-
Operating Engineer (Heavy And Highway Work) (Specia	,	φ \$	4,512,513	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Special			3,676,393	-	φ \$	-
Asbestos Removal Worker (Laborer)	17,121		437,612	-	-	-
Tunnel/Underground (Operating Engineer-Heavy And Hig	,	φ \$	590,532	-	\$ ¢	-
Water Well Driller	12,313		608,914	-	\$ \$	-
Tree Trimmer (High Voltage Line Clearance)	1,422		36,006	-	ֆ \$	-
Telecommunications Technician	1,422		30,000	-	ֆ \$	-
Landscape Maintenance Laborer	1,160	ъ \$	37,245	-	ֆ \$	-
Steel Erector And Fabricator (Operating Engineer - Hea	1,131	э \$	56,467	-	ֆ \$	-
Traffic Control/Lane Closure (Laborer)	888	ֆ \$	31,991			-
Dredger Operating Engineer	831	ъ \$	33,307	-	\$ \$	-
Operating Engineer (Building Construction)	635	ф \$	24,810	-	э \$	-
Slurry Seal Worker	592		17,811		ֆ \$	-
Parking And Highway Improvement Painter (Painter)	247	ֆ \$		-		-
			10,082	-	\$ ¢	-
Ironworker (Db) Teamster (Special Single Shift Rate)	80	\$ ¢	2,772	-	\$ ¢	-
	11	\$	291	-	\$ ¢	-
Total Non-Apprenticeable	461,201	\$ \$	24,011,836	- 22 698	\$ \$	- 1 200 2/12
Total Apprenticable	8,388,158		333,792,776	22,698		1,299,343
Total WSIP PLA	8,849,360	Ş	357,804,612	22,698	\$	1,299,343

The charts below represent *Quarterly* participation of the largest four participating trade categories and all others combined on WSIP PLA-covered projects.

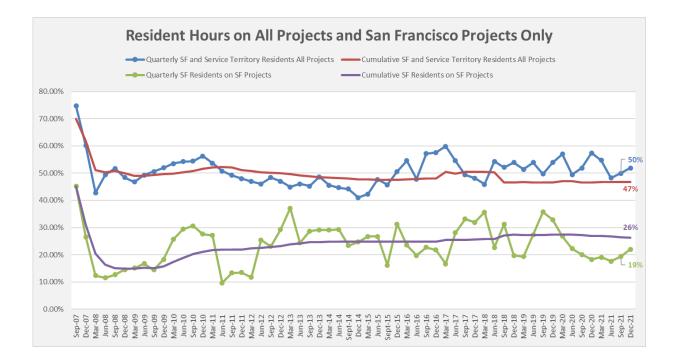




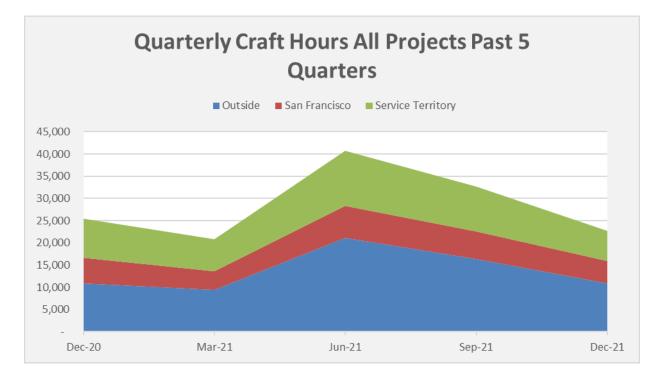
Worker Residence on the WSIP PLA

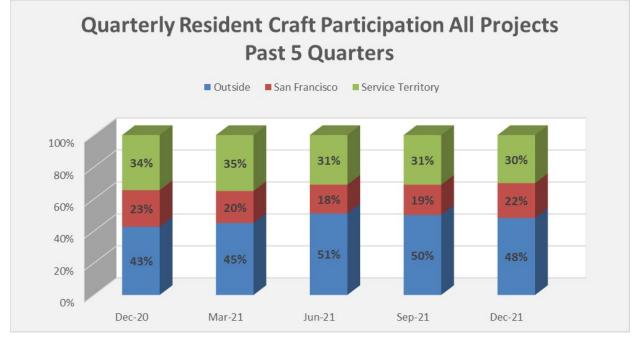
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through December 31, 2021.

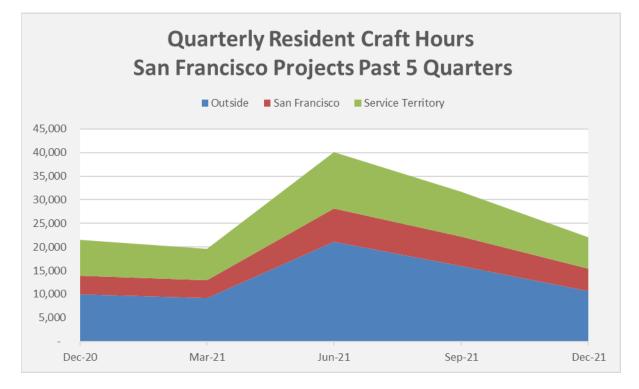


<u>Residence on ALL WSIP PLA Projects</u> - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



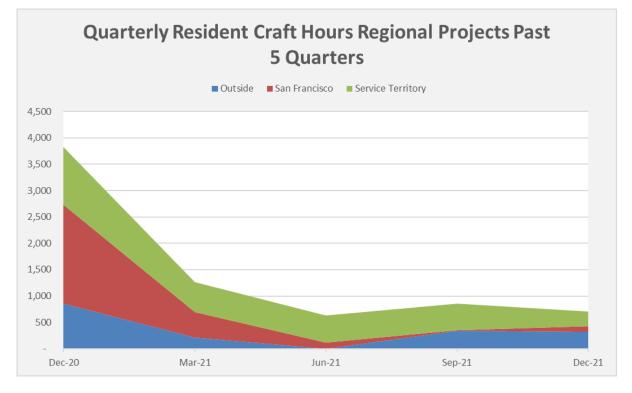


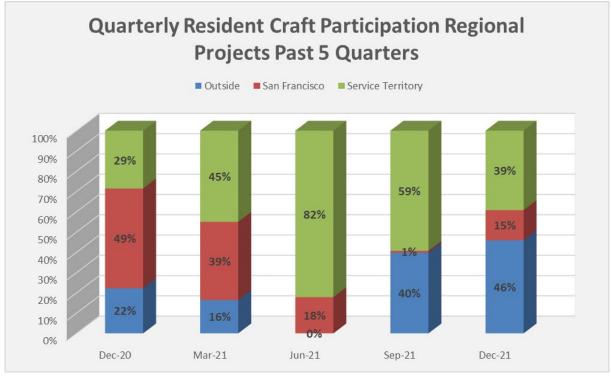
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.





<u>Residence on Regionally-located WSIP PLA Projects</u> - Charted are the 41 projects covered by the WSIP PLA located within the Regional Service Territory.





Sorted by Total Craft Hours	WSIP-PLA Employr	nent	t by Top 20 Cour	ties of Residenc	e	
			bugh December 3			
County	Total Craft Hours		Wages	% Craft Hours	Worker Count	FTE
Alameda County	1,560,242	\$	58,714,740	17.6%	3,037	750
Contra Costa County	1,255,967	\$	50,331,325	14.2%	2,146	604
San Joaquin County	850,181	\$	32,446,134	9.6%	1,343	409
San Mateo County	775,799	\$	32,181,496	8.8%	1,377	373
San Francisco County	653,513	\$	25,924,215	7.4%	1,517	314
Santa Clara County	461,650	\$	18,680,280	5.2%	1,357	222
Solano County	445,333	\$	18,411,309	5.0%	930	214
Stanislaus County	391,021	\$	14,535,574	4.4%	670	188
Sacramento County	354,640	\$	14,653,450	4.0%	666	171
Butte County	213,069	\$	8,453,830	2.4%	133	102
Sonoma County	210,452	\$	9,250,649	2.4%	407	101
Placer County	112,194	\$	5,081,898	1.3%	145	54
Tuolumne County	102,588	\$	3,982,918	1.2%	103	49
Calaveras County	101,680	\$	4,520,538	1.1%	81	49
El Dorado County	88,652	\$	3,771,787	1.0%	88	43
Los Angeles County	73,054	\$	3,289,832	0.8%	149	35
Yolo County	71,846	\$	3,002,921	0.8%	96	35
Shasta County	70,894	\$	3,305,744	0.8%	47	34
Riverside County	65,996	\$	3,122,393	0.7%	112	32
Clark County	62,062	\$	2,842,502	0.7%	72	30
Top 20 Counties by Hours	7,920,834	\$	316,503,535	89.5%	14,476	3,808
All Other Counties	928,526	\$	41,301,077	10.5%	1,566	446
WSIP-PLA Total	8,849,360	\$	357,804,612	100.0%	16,042	4,254

Residence by County

San Francisco Residents by Zip Code

	Employm	enτ	by San Francis	co zip Code		
	Inception	n Th	rough Decembe	er 31, 2021		
			То	tal Workers		
San Francisco Zip Codes	Total Craft			% Total Craft	Worker	
	Hours		Wages	Hours	Count	FTE
94112	127,310	\$	4,748,991	19.5%	258	6
94124	107,745		4,431,344	16.5%	301	5
94116	86,945	\$	4,127,671	13.3%	95	4
94110	86,856	\$	3,096,069	13.3%	200	4
94134	41,659	\$	1,278,290	6.4%	129	2
94122	37,889	\$	1,841,626	5.8%	84	1
94103	24,650	\$	756,293	3.8%	44	1
94121	22,031	\$	968,228	3.4%	65	1
94118	17,428	\$	827,333	2.7%	24	
94127	15,928	\$	734,873	2.4%	25	
94132	10,951	\$	443,053	1.7%	38	
94117	10,718	\$	291,982	1.6%	18	
94107	10,325		393,168	1.6%	33	
94102	8,852	\$	387,998	1.4%	23	
94133	8,298	\$	333,463	1.3%	15	
94131	8,279	\$	292,395	1.3%	32	
94109	5,078	\$	162,541	0.8%	25	
94114	4,468	\$	196,812	0.7%	18	
94108	4,194	\$	144,211	0.6%	9	
94115	3,881	\$	149,037	0.6%	33	
94130	3,179	\$	67,807	0.5%	12	
94142	1,740	\$	68,149	0.3%	7	
94123	937	\$	43,800	0.1%	4	
94105	921	\$	39,606	0.1%	9	
94111	915	\$	21,546	0.1%	3	
94104	677	\$	22,206	0.1%	3	
94129	447	\$	14,182	0.1%	1	
94188	366	\$	9,790	0.1%	3	
94140	288	\$	11,589	0.0%	1	
94119	255	\$	7,976	0.0%	1	
94147	162	\$	4,785	0.0%	1	
94158	118	\$	6,367	0.0%	6	
94125	21	\$	768	0.0%	1	
94164	6	\$	264	0.0%	1	
otal	653,513	\$	25,924,215	100.0%	1,571	31
NSIP-PLA Total	8,849,360	\$	357,804,612	-	16,042	4,25

Sorted by Total Craft Hours

Residence by Craft

Inception Through December 31, 2021										
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours			
Operating Engineer	1,860,155	71,672	663,561	1,124,922	3.9%	35.7%	60.5%			
Carpenter	772,479	93,791	314,402	364,286	12.1%	40.7%	47.2%			
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%			
Electrician	532,744	35,988	266,660	230,097	6.8%	50.1%	43.2%			
Plumber	459,690	94,293	152,057	213,341	20.5%	33.1%	46.4%			
Iron Worker	279,486	18,196	107,422	153,868	6.5%	38.4%	55.1%			
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%			
Painter	156,929	9,894	19,183	127,853	6.3%	12.2%	81.5%			
Cement Mason	129,821	11,427	54,968	63,427	8.8%	42.3%	48.9%			
Boilermaker	121,771	48	23,484	98,239	0.0%	19.3%	80.7%			
Building/Construction Inspector	88,877	3,987	12,218	72,672	4.5%	13.7%	81.8%			
Roofer	51,003	5,057	26,477	19,470	9.9%	51.9%	38.2%			
Sheet Metal Worker	31,905	2,923	15,696	13,287	9.2%	49.2%	41.6%			
Field Surveyor	22,111	1,382	4,038	16,692	6.3%	18.3%	75.5%			
Drywall Installer/Lather	13,762	4,312	2,505	6,945	31.3%	18.2%	50.5%			
Glazier	12,939	1,525	6,063	5,352	11.8%	46.9%	41.4%			
Plasterer	12,448	7,727	1,156	3,565	62.1%	9.3%	28.6%			
Bricklayer	10,387	82	5,585	4,720	0.8%	53.8%	45.4%			
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%			
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%			
Asbestos Worker, Heat and Frost Insulator	1,704	112	229	1,363	6.6%	13.4%	80.0%			
Brick Tender	993	287	19	687	28.9%	1.9%	69.2%			
Tile Setter	677	-	654	23	0.0%	96.6%	3.4%			
Driver	617	550	60	7	89.1%	9.7%	1.2%			
Tile Finisher	523	-	475	48	0.0%	90.8%	9.2%			
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%			
Elevator	238	-	222	16	0.0%	93.3%	6.7%			
Terrazzo Worker	199	-		199	0.0%	0.0%	100.0%			
Sprinkler Fitter	136	-	96	40	0.0%	70.6%	29.4%			
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%			
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%			
Total Apprenticeable	5,366,214	381,097	1,942,517	3,042,599	7.1%	36.2%	56.7%			
Laborer Non-Apprenticeable	3,021,945	243,996	1,297,298	1,480,650	8.1%	42.9%	49.0%			
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%			
Driver (On/Off-Hauling To/From Construction	99,702	18,070	65,811	15,821	18.1%	66.0%	15.9%			
Operating Engineer (Heavy And Highway Wo	95,289	10,070	38,906	56,383	0.0%	40.8%	59.2%			
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%			
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%			
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%			
5 (1 5 5										
Water Well Driller	12,313	-	7,177	5,136 199	0.0% 2.3%	58.3%	41.7%			
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	72	2.3%	83.8%	14.0%			
Telecommunications Technician	1,160		1,088 614			93.8%	6.2% 44.3%			
Landscape Maintenance Laborer	1,131	16		501	1.4%	54.3%				
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%			
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%			
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%			
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%			
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%			
Parking And Highway Improvement Painter (247	-	165	82	0.0%	66.8%	33.2%			
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%			
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%			
Total Non-Apprenticeable	461,201	28,420	237,628	195,154	6.2%	51.5%	42.3%			
Total WSIP PLA	8,849,360	653,513	3,477,443	4,718,403	7.4%	39.3%	53.3%			

Residence by Project

Sorted	hv	Total	Hours
Solicu	UY	TOTAL	nouis

Project	yment Summa Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam Replacement Project	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improvements	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andreas Transmission System Upgr	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Re	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	288,044	5,836	129,660	152,548	2.0%	45.0%	53.0%
WD-2776 - SF Westside Recycled Water Facility at OSP	233,166	51,295	64,631	117,240	22.0%	27.7%	50.3%
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	28.7%
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
WD-2539 - University Mound Reservoir Seismic Upgrades	187,016	49,450	51,060	86,507	26.4% 0.7%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Alameda Creek	164,770	1,159 27,324	70,568 84,025	93,044 53,168		42.8%	56.5% 32.3%
WD-2668 - Regional Groundwater Storage	164,517				16.6%	51.1% 25.7%	
WD-2627R - Sutro Reservoir Rehabilitation HH-935C - San Joaquin Pipeline - Eastern Segment	154,545 143,988	49,147 83	39,763 80,508	65,635 63,397	31.8% 0.1%	25.7% 55.9%	42.5%
DB-116 - Tesla Treatment Facility	143,966	63 3,122	93,841	44,948	2.2%	55.9% 66.1%	44.0%
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4		3, 122 1,815	93,841 52,403	44,948 80,131	2.2%	39.0%	59.6%
WD-2629 - Seismic Opgrade of Bay Division Pipeline Nos. 3&4 WD-2552 - Alameda Siphon No. 4 Project	134,349 129,485	1,815	52,403	74,017	1.4%	39.0% 41.7%	59.6%
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	129,465	31,147	36,395	60,221	24.4%	28.5%	47.1%
WD-2498 - New Crystal Springs Pipeline No.2 Replacement Project	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2%
HH-935B - San Joaquin Pipeline - Western Segment	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam Improvements	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Crossovers	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3 Installation	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir Seismic Retrofit	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic Upgrade	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound System Upgrade	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply Well Stations	52,841	14,667	9,136	29,039	27.8%	17.3%	55.0%
WD-2573 - Pulgas Balancing Reservoir Structural Rehab	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2797 - SF Westside Recycled Water Pump Station and Reservoir	49,814	12,933	20,768	16,114	26.0%	41.7%	32.3%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,201	13,222	30,486	8.8%	27.6%	63.6%
WD-2641R - Habitat Reserve Program	44,018	8,771	10,167	25,081	19.9%	23.1%	57.0%
WD-2564 - HTWTP - Short Term Improvements Phases 2 and 3	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1%
WD-2798 - SF Westside Recycled Water Pipeline	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2829R - San Andreas Pipeline No. 2 Replacement	36,896	6,220	10,481	20,195	16.9%	28.4%	54.7%
WD-2809 - SF Groundwater Supply Phase 2	30,565	5,928	3,099	21,538	19.4%	10.1%	70.5%
WD-2654R - Peninsula Vegetation Removal	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Water Project	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed Compensation WD-2529 - Noe Valley Transmission Main - Phase II	22,569	557 6 853	10,940	11,072	2.5%	48.5%	49.1% 37.2%
WD-2529 - Noe Valley Transmission Main - Phase II WD-2665 - Bav Division Pipeline No. 5, Cordilleras Microtunnel	22,511 21,967	6,853 227	7,279 5,528	8,379 16,213	30.4% 1.0%	32.3% 25.2%	73.8%
WD-2556 - Baden and San Pedro Valve Lot Improvements	19,939	2,720	5,526	1,949	13.6%	25.2% 76.6%	9.8%
WD-2622 - SF Groundwater Supply Pipeline	19,939	3,487	2,138	1,949	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station Upgrades Project	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvements	12,859	101	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restoration	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2852R - SF Westside Recycled Water Irrigation System Retrofits	8,801	3,085	2,789	2,927	35.1%	31.7%	33.3%
WD-2822R2 - Lower Crystal Springs Dam Stilling Basin Connecting C	8,209	291	3,270	4,648	3.5%	39.8%	56.6%
WD-2600 - Regional Groundwater Storage and Recovery Project- Test		0	296	5,792	0.0%	4.9%	95.1%
WD-2855 - Turner Dam Spillway and Pond F3 East Erosion Repair	2,088	0	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
WD-2825R - Alameda Creek Recapture	692	0	315	377	0.0%	45.5%	54.5%
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Apprentice Utilization

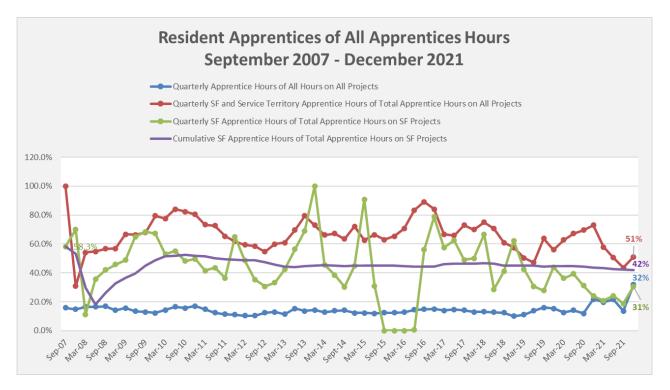
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.3% of apprentice hours were worked by San Francisco residents and 52.9% were worked by residents of the Regional Service Territory, or 69.2% combined.

Sorted by Total Craft Hours

Sorted by Total Craft Hot			Apprentice Hours			Арр	rentice Utiliza	tion	Resident Apprentice %		
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,860,155	209,140	25,413	86,311	97,417	11.2%	1.4%	4.6%	12.2%	41.3%	46.6%
A - Carpenter	772,479	122,458	32,607	57,043	32,809	15.9%	4.2%	7.4%	26.6%	46.6%	26.8%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	#DIV/0!	0.0%	0.0%
A - Electrician	532,744	105,480	13,823	67,617	24,040	19.8%	2.6%	12.7%	13.1%	64.1%	22.8%
A - Plumber	459,690	125,794	37,349	58,801	29,644	27.4%	8.1%	12.8%	29.7%	0.0%	0.0%
A - Iron Worker	279,486	62,061	10,976	27,340	23,745	22.2%	3.9%	9.8%	17.7%	44.1%	38.3%
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%
A - Painter	156,929	26,902	1,827	6,502	18,573	17.1%	1.2%	4.1%	6.8%	24.2%	69.0%
A - Cement Mason	129,821	6,694	4,419	1,124	1,151	5.2%	3.4%	0.9%	66.0%	16.8%	17.2%
A - Boilermaker	121,771	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%
A - Building/Construction Inspector	88,877	5,068	17	1,254	3,797	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%
A - Roofer	51,003	12,964	2,361	5,634	4,969	25.4%	4.6%	11.0%	18.2%	43.5%	38.3%
A - Sheet Metal Worker	31,905	5,039	307	3,311	1,422	15.8%	1.0%	10.4%	6.1%	65.7%	28.2%
A - Field Surveyor	22,111	734	11	71	652	3.3%	0.0%	0.3%	1.5%	9.7%	88.8%
A - Drywall Installer/Lather	13,762	864	68	283	513	6.3%	0.5%	2.1%	7.9%	32.8%	59.4%
A - Glazier	12,939	1,995	899	144	952	15.4%	6.9%	1.1%	45.1%	7.2%	47.7%
A - Plasterer	12,448	347	136	-	211	2.8%	1.1%	0.0%	39.2%	0.0%	60.8%
A - Bricklayer	10,387	2,948	82	839	2,027	28.4%	0.8%	8.1%	2.8%	28.5%	68.8%
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%
A - Metal Roofing Systems Installer	2,586	757	-	757	-	29.3%	0.0%	29.3%	0.0%	100.0%	0.0%
A - Asbestos Worker, Heat and Frost Insul	1,704	176	112	-	64	10.3%	6.6%	0.0%	63.6%	0.0%	36.4%
A - Brick Tender	993	24	24	-	-	2.4%	2.4%	0.0%	100.0%	0.0%	0.0%
A - Tile Setter	677	173	-	157	16	25.6%	0.0%	23.2%	0.0%	90.8%	9.2%
A - Driver	617	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Tile Finisher	523	190	-	150	40	36.3%	0.0%	28.7%	0.0%	78.9%	21.1%
A - Carpet Layer	354	27	-	23	4	7.6%	0.0%	6.5%	0.0%	85.2%	14.8%
A - Elevator	238	95	-	95	-	39.9%	0.0%	39.9%	0.0%	100.0%	0.0%
A - Terrazzo Worker	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Sprinkler Fitter	136	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Marble Finisher	40	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Terrazzo Finisher	4	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sub-Total Apprenticeable	5,366,214	710,924	134,919	328,597	247,408	13.2%	2.5%	6.1%	19.0%	46.2%	34.8%
A - Laborer	3,021,945	406,695	47,141	262,225	97,328	13.5%	1.6%	8.7%	11.6%	64.5%	23.9%
Total Apprenticeable	8,388,158	1,117,619	182,061	590,822	344,736	13.3%	2.2%	7.0%	16.3%	52.9%	30.8%
Total Non-Apprenticeable	461,201										
Total WSIP - Covered by PLA	8,849,360										

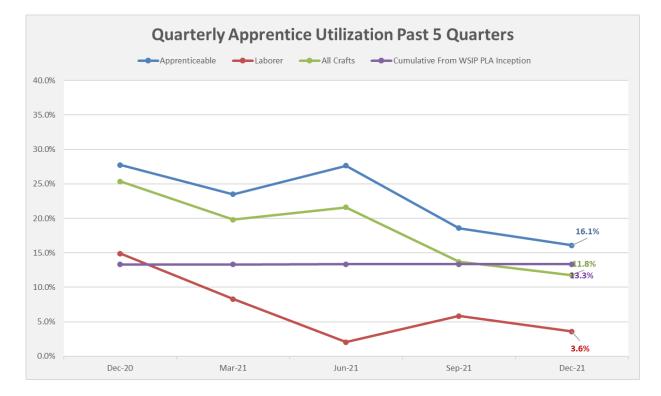
For the three months ending December 31, 2021, 31% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

					LA Apprentice Un Through December						
	1			inception i		Utilization By P	roiect				
			All Workers Hou	rs	Appleitite		rentice Hours		Annre	ntice Utilizatio	on %
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-		Total Apprenticeable and Laborer Hours		Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2729 - Fish Passage Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2539 - University Mound R	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2776 - SF Westside Recy	233,166	191,616	146	41,403	233,020	41,932	1,888	43,819	21.9%	4.6%	18.8%
WD-2573 - Pulgas Balancing R	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	15.6%
WD-2627R - Sutro Reservoir Re	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	
WD-2641R - Habitat Reserve P	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
WD-2668 - Regional Groundwa	164,517	102,870	1,079	60,568	163,438	18,467	7,473	25,940	18.0%	12.3%	15.9%
WD-2809 - SF Groundwater St	30,565	15,063	-	15,502	30,565	2,666	633	3,299	17.7%	4.1%	10.8%
WD-2798 - SF Westside Recy	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
HH-914R - Roselle Crossover In	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	
DB-116 - Tesla Treatment Faci	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	
WD-2469 - Forest Knolls Pump	26,553	17,167	49	9,337	26,504	2,888	19	2,907	16.8%	0.2%	11.0%
WD-2582 - Sunol Valley Water	462,423	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%	15.3%
WD-2596 - HTWTP Long-Term	1,013,848	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%	14.8%
WD-2651R - Peninsula 2011 W	22,569	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%	16.2%
WD-2552 - Alameda Siphon No	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	15.5%	19.6%	17.1%
WD-2555 - Crystal Springs Pip	127,763	49,074	9,731	68,958	118,032	7,559	5,394	12,953	15.4%	7.8%	11.0%
WD-2548 - Lake Merced Pump	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	10.9%
WD-2727 - Peninsula Pipeline	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%
WD-2575 - San Antonio Backu	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	
WD-2513 - San Andreas Pipeli	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	
WD-2501 - Alemany Pump Sta	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	
WD-2621R - SF Groundwater S	52,841	31,929		20,912	52,841	4,352	1,903	6,255	13.6%	9.1%	
WD-2498 - New Crystal Spring	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	
WD-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	
WD-2629 - Seismic Upgrade of	134,349	73,390	1,614	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	
WD-2601 - Crystal Springs / Si	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	
WD-2541 - Bay Division Pipelin	208,058	88,905	12,802	106,351	195,256	10,026	10,310	20,196	11.3%	9.6%	
HH-953 - Tesla Portal Protection			12,802	7,002		487	2,768	3,255	11.1%	39.5%	
	11,512	4,377			11,379	859				14.4%	
WD-2566 - San Antonio Pump WD-2551 - Calaveras Dam Rep	14,916	8,241	137	6,539	14,780		939	1,798	10.4%		
	1,532,134	864,302	36,402	631,430	1,495,733	87,917	98,383	186,301	10.2%	15.6%	
HH-935A - San Joaquin Pipelin	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	
HH-935C - San Joaquin Pipelin	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	
WD-2797 - SF Westside Recy	49,814	20,485		29,329	49,814	2,005	3,303	5,308	9.8%	11.3%	
WD-2564 - HTWTP - Short Ten	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	
WD-2623 - Harding Park Recyc	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	
WD-2556 - Baden and San Per	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	
WD-2542 - Bay Division Pipelir	288,044	90,020	31,498	166,526	256,546	7,049	19,161	26,210	7.8%	11.5%	
WD-2652 - BHR - San Antonio	110,655	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	
HH-935B - San Joaquin Pipelin	100,492	52,940	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	
WD-2511 - Standby Power Fac	11,275	9,046		2,230	11,275	626	-	626	6.9%	0.0%	
WD-2581 - New Irvington Tunne	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	
WD-2622 - SF Groundwater Su	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	
WD-2543 - North University Mo		14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	
WD-2531 - Bay Division Pipelir	583,318	412,690	91,164	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	
WD-2829R - San Andreas Pipe	36,896	17,330	1,718	17,849	35,178	512	2,386	2,897	3.0%	13.4%	
WD-2665 - Bav Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	
WD-2666 - BHR - Sheep Camp	23,492	16,708	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2654R - Peninsula Vegeta	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2529 - Noe Valley Transmi	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2640 - Bioregional Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2852R - SF Westside Rec	8,801	296	47	8,457	8,753	18	281	299	6.1%	3.3%	3.4%
WD-2822R2 - Lower Crystal Sp	8,209	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	11.7%
WD-2600 - Regional Groundwa	6,088		4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2855 - Turner Dam Spillwa	2,088	1,649		439	2,088	-	-	-	0.0%	0.0%	
WD-2589 - SCADA System Ph	1,498	728		771	1,498	115	-	115	15.8%	0.0%	
WD-2825R - Alameda Creek R	692	111		581	692	-	-	-	0.0%	0.0%	
WSIP - Covered by PLA (58 Pr		5,366,214	461,201	3,021,945	8,388,158	710,924	406,695	1,117,619	13.2%	13.5%	

The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending December 31, 2021.



Substance Abuse Prevention

The WSIP PLA requires pre-employment alcohol and drug testing for all covered employees. The policy also allows testing where the contractor has reasonable cause to believe that the employee has used drugs or alcohol, and mandates testing where a contractor concludes that an employee was under the influence of drugs or alcohol at the time of an accident. The SFPUC has extended the WSIP PLA substance abuse prevention policy to all contractor employees working on a job site.

15,231 pre-employment tests have been administered as of December 31, 2021, to people who were cleared to work. 203 people did not pass pre-employment screens and consequently were prevented from working until the results could be confirmed through lab tests. Strict regulations and high compliance by the contractors have led to a mere **1.33%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Program. The chart is on the next page.

Tests Administered to Individuals Cleared to Work Through 12/31/2021	
Project	Number
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
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WD-2622 - San Francisco Groundwater Supply Pipeline	22
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WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	-

Legislative History of the WSIP PLA

On April 8, 2003, the San Francisco Board of Supervisors adopted Resolution 223-03 urging the SFPUC to develop plans for a Project Labor Agreement covering the capital improvement program to rehabilitate, repair, and upgrade the Hetch Hetchy Water System.

On May 20, 2003, the San Francisco Board of Supervisors adopted Resolution 350-03 urging the SFPUC to include social justice components in the Project Labor Agreement covering the Hetch Hetchy Water System upgrade.

On May 11, 2006, the San Francisco Board of Supervisors amended the San Francisco Administrative Code to establish a PUC Small firm Advisory Committee to provide for the certification of small construction contractors located outside San Francisco and within the SFPUC service territory for work on SFPUC construction projects, including those covered by the WSIP PLA.

On March 28, 2006, the SFPUC adopted Resolution No. 06-0049 to authorize SFPUC staff to commence negotiations with the various craft labor unions for a project labor agreement covering the Water System Improvement Program. Resolution No. 06-0049 concluded that the governmental interests of the SFPUC were furthered by a project labor agreement as follows:

"There are numerous advantages in moving forward on the negotiation of a PLA, which include but are not limited to the following: creates framework for labor harmony; militates against construction delays; assures steady supply of qualified labor; provides employment, career, and local business opportunities; and, other benefits ..."

On March 26, 2007, the SFPUC approved the negotiated agreement, called the Water System Improvement Program Project Labor Agreement (the WSIP PLA). The WSIP PLA requires construction contractors to utilize workers dispatched by signatory unions, and prohibits the unions and contractors from participating in strikes, lockouts, or other disruptions to the work. The WSIP PLA provides a procedure for adjudicating conflicting jurisdictional claims between the unions, provides for uniform hours of work, overtime, shifts and holidays, encourages the recruitment and training of low-income residents of the SFPUC service territory, and requires substance abuse testing for all covered workers. The first implementation of the WSIP PLA was on contract WD-2504, the Stanford Heights Reservoir Seismic Retrofit and Improvement project which the SFPUC awarded to S.J. Amoroso Construction Co., LLC, on June 26, 2007, in the amount of \$17,899,960.

Governance

The parties to the WSIP PLA have established a four person Joint Administrative Committee that reviews the implementation of the agreement and the progress of the covered projects, and resolves problems and grievances that arise in connection with the agreement. The SFPUC administers the agreement under the direction of the Joint Administrative Committee.

The Joint Administrative Committee has established the Jobs Training Opportunities Program to promote the employment and training of San Francisco and SFPUC Service Territory residents on WSIP projects.

Pre-Job Conferences and Jurisdictional Disputes

Prior to the commencement of construction, representatives of the participating contractors and subcontractors, the Unions, and the SFPUC, are mandated to attend a pre-job conference held at the offices of the SFPUC or the offices of the local Building and Construction Trades Council. At the pre-job conference each contractor and subcontractor describes the scope of their work and assigns the work on the basis of traditional craft jurisdictional lines. When conflicting claims for work are submitted to a contractor, the WSIP PLA's Jurisdictional Dispute Resolution procedure is invoked to prevent delay or disruption in the work due to jurisdictional disputes.

Web-Based Labor Compliance Program

All SFPUC construction projects including those covered by the WSIP PLA utilize the City's web-based labor compliance program (LCPtracker, Inc.) which allows contractors to submit their weekly certified payroll reports electronically over the internet. LCPtracker's electronic certified payrolls are used to produce the employment data included in this report.



Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended March 31, 2022 (Third Quarter FY 2021-2022)



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Executive Summary

Since it was adopted on March 16, 2007, the WSIP Project Labor Agreement (PLA) has promoted the public interest by ensuring the timely and economical completion of WSIP projects. The WSIP PLA has provided the structure to promote efficiency of construction of the WSIP, facilitate the partnership between the SFPUC, Unions, and Contractors, provide for peaceful settlement of labor disputes, and facilitate the employment of residents.

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Sixty-two (62) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.248 billion in original contract award through March 31, 2022.

Construction Activity Highlights - Program-to-Date

Contracting:

• Sixty-two (62) construction contracts with a value of \$2.248 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 16,102 construction workers were employed for 8,861,040 hours and earned wages of \$358,468,169 on WSIP PLA-covered projects.
- 1,524 San Francisco residents worked 655,314 hours and earned \$26,021,342 on WSIP PLA-covered projects representing 7% of covered hours and 315 full-time equivalent worker years.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. 6,553 residents of the Regional Service Territory earned wages of \$135,951,975 and worked 3,480,533 hours, representing 39% of covered hours and 1,673 full-time equivalent worker years.
- 15,234 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of March 31, 2022. 203 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Design of Worker Desidence	Ince	Inception Through March 31, 2022								
Region of Worker Residence	Worker Count	Sum of Hours	Sum of Wages	FTE						
All Workers	16,102	8,861,040	\$ 358,468,169	4,260						
San Francisco	1,524	655,314	\$ 26,021,342	315						
SFPUC Service Territory	6,553	3,480,533	\$ 135,951,975	1,673						
Outside	8,046	4,725,194	\$ 196,494,852	2,272						

Construction Activity Highlights - Quarter Ending March 31, 2022

Contracting:

• There were two contracts awarded during the reporting period.

Employment:

- 177 construction workers were employed for 11,680 hours and earned wages of \$663,557 on WSIP PLA-covered projects.
- 28 San Francisco residents worked 1,801 hours and earned wages of \$97,126 on WSIP PLA-covered projects.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 62 residents of the Regional Service Territory worked 3,090 hours and earned wages of \$161,433 on WSIP PLA-covered projects.
- 3 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and no individuals were prevented from working as the result of a positive test.

	Three Months Ending March 31, 2022								
Region of Worker Residence	Worker Count	Sum of Hours	Sum O	f Wages	FTE*				
All Workers	177	11,680	\$	663,557	6				
San Francisco	28	1,801	\$	97,126	1				
SFPUC Service Territory	62	3,090	\$	161,433	1				
Outside	87	6,790	\$	404,998	3				

Summary of Craft Worker Employment

*FTE is the abbreviation for Full Time Equivalent. Since the workers on the projects may only work a few hours or days on the project, this is a way to determine the number of full time positions created. It is found by taking the Sum of Hours divided by 2,080, the conventional value for total hours worked per year based on a 40-hour work week.

Summary of WSIP PLA-Covered Contract Awards

		Constructio	n Contracts Awarded Subject to the WSIP-PLA						
Inception through March 31, 2022									
	Contract No.	Prime Contractor	Project	Engineer's Estimate		Award \$			
	WD-2878A		Regional Groundwater Storage and Recovery Phase 2A		\$	6,850,00			
	WD-2882	The Professional Tree Care Compan		\$3.2 to \$4.2 Million	\$	2,655,02			
	WD-2825R	Anvil Builders, Inc	Alameda Creek Recapture	\$22 Million	\$	19,511,50			
	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation Syste		\$	2,483,52			
	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a		\$	15,633,20			
	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair		\$	1,498,01			
	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch		\$	4,784,70			
	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$	32,087,20			
	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Faci		\$ ¢	87,597,00			
	WD-2809* WD-2798*	Western Water Constructors, Inc. JMB CONSTRUCTION INC	San Francisco Groundwater Supply Phase 2	\$11.2 Million \$28.6 Million	\$ ¢	9,780,00			
	WD-2798 WD-2729	Shimmick Construction	San Francisco Westside Recycled Water Pipeline Fish Passage Facilities Within the Alameda Creek Wate		\$ \$	21,729,72			
	WD-2729 WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ \$	11,062,54			
	WD-2634R WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$	14,955,10			
	WD-2621K WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$	42,980,04			
	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$	42,580,04			
	WD-2022	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ \$	20,736,38			
	WD-2727 WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ \$	31,372,33			
	WD-2575 WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ \$	27,453,00			
	WD-2627K	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ \$	3,912,50			
	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$	31,320,00			
	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pe		\$	5,591,75			
	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$	2,760,00			
	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well		\$	2,998,68			
	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$	5,251,10			
	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$	12,947,40			
	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andrea		\$	6,499,00			
	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$	3,188,00			
	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$	45,329,41			
	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$	259,571,85			
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$	174,197,00			
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$	32,547,35			
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$	48,706,37			
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$	17,360,40			
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$	99,763,00			
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	\$6.5 Million	\$	5,251,10			
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$	226,657,70			
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$	83,102,10			
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$	11,723,83			
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$	215,294,53			
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$	52,183,40			
	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$	61,558,00			
	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$	3,847,25			
	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$	12,857,00			
	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$	6,991,00			
	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$	2,837,00			
	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$	16,336,3			
	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$	29,597,0			
	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$	31,933,6			
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$	12,695,0			
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$	31,584,0			
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ \$	62,822,9			
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million		11,536,5			
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$	5,724,0			
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$	55,674,0			
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$	81,420,5			
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$	13,529,3			
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$	13,824,0			
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$	6,547,0			
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$	23,269,0			
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$	8,419,0			
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ \$	17,899,9 2,247,844,4			

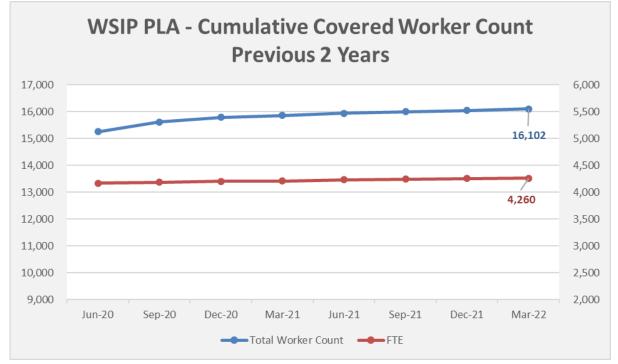
* indicates projects located in San Francisco

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending March 31, 2022, 16,102 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,861,040 craft hours and \$358,468,169 in craft wages.

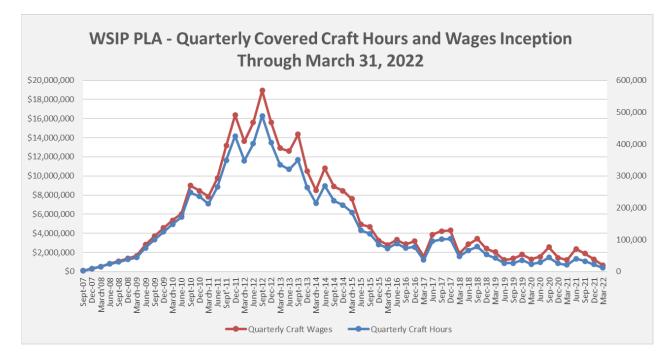
The tables below describe the progressive accumulation of these totals over the past two years.



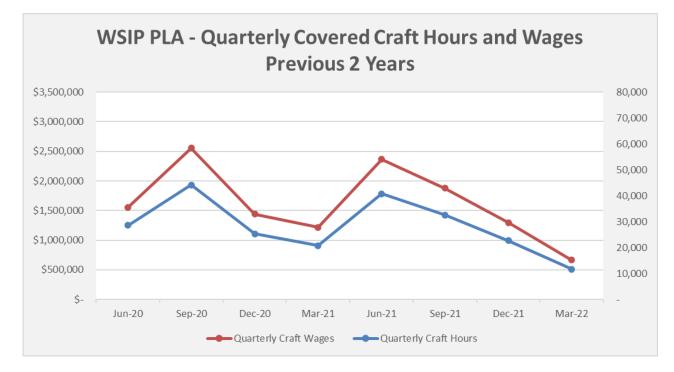


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 99.2% total completion, Craft Hours have and will likely continue to trend down until total completion.



The chart below represents a close-up of the one above, highlighting the past two years.



Craft Utilization on WSIP PLA-Covered Projects

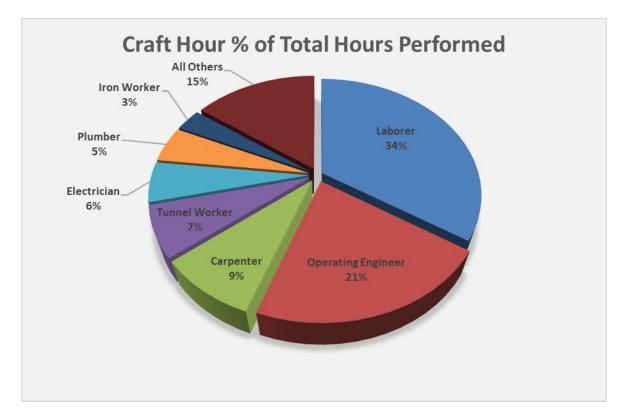
As of March 31, 2022, contractors reported craft hours in 56 craft worker classifications that the SFPUC summarizes into 32 craft areas.

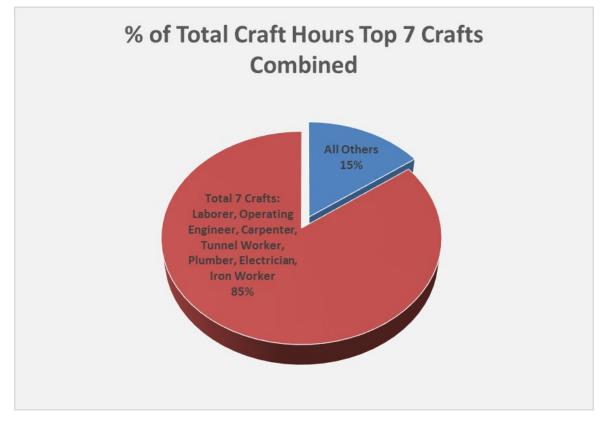
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed by Plumbers.

			ployment by				
	Inception Th	nrou	igh March 31, 2		0/ Manage of		
Craft	Total Hours	Total Wages		% Craft Hours	% Wages of	FTE	
				of Total Hours	Total Wages		
Laborer	3,027,149	\$	94,803,142	34.2%	26.4%	1,455	
Operating Engineer	1,860,901	\$	78,695,993	21.0%	22.0%	895	
Carpenter	772,757	\$	33,202,378	8.7%	9.3%	372	
Tunnel Worker	612,964	\$	26,175,557	6.9%	7.3%	295	
Electrician	535,744	\$	29,614,037	6.0%	8.3%	258	
Plumber	460,378	\$	22,444,877	5.2%	6.3%	221	
Iron Worker	279,546	\$	9,746,212	3.2%	2.7%	134	
Top 7 Sub-Total	7,549,440	\$	294,682,196	85.2%	82.2%	3,630	
Pile Driver	181,764	\$	9,710,884	2.1%	2.7%	87	
Painter	157,351	\$	6,266,814	1.8%	1.7%	76	
Cement Mason	129,935	\$	4,580,048	1.5%	1.3%	62	
Boilermaker	121,771	\$	6,494,850	1.4%	1.8%	59	
Building/Construction Inspector	88,892	\$	5,007,805	1.0%	1.4%	43	
Roofer	51,003	\$	1,743,006	0.6%	0.5%	25	
Sheet Metal Worker	31,998	\$	1,691,626	0.4%	0.5%	15	
Field Surveyor	22,215	\$	1,268,089	0.3%	0.4%	11	
Glazier	13,830	\$	703,730	0.2%	0.2%	7	
Drywall Installer/Lather	13,762	\$	619,628	0.2%	0.2%	7	
Plasterer	12,448	\$	466,843	0.1%	0.1%	6	
Bricklayer	10,387	\$	412,285	0.1%	0.1%	5	
Electrical Utility Lineman	6,909	\$	425,367	0.1%	0.1%	3	
Metal Roofing Systems Installer	2,586	\$	92,217	0.0%	0.0%	1	
Asbestos Worker, Heat and Frost Insu	1,729	\$	102,974	0.0%	0.0%	1	
Brick Tender	993	\$	34,361	0.0%	0.0%	0	
Tile Setter	677	\$	28,192	0.0%	0.0%	0	
Driver	617	\$	57,899	0.0%	0.0%	0	
Tile Finisher	523	\$	13,087	0.0%	0.0%	0	
Carpet Layer	354	\$	16,311	0.0%	0.0%	0	
Elevator	238	\$	17,611	0.0%	0.0%	0	
Terrazzo Worker	199	\$	8,163	0.0%	0.0%	0	
Sprinkler Fitter	136	\$	9,238	0.0%	0.0%	0	
Marble Finisher	40	\$	1,342	0.0%	0.0%	0	
Terrazzo Finisher	4	\$	160	0.0%	0.0%	0	
Remaining Apprenticeable Sub-Total	850,359	\$	39,772,532	9.6%	11.1%	409	
Total Non-Apprenticeable	461,241	\$	24,013,441	5.2%	6.7%	222	
Total WSIP-Covered by PLA	8,861,040	\$	358,468,169	100.0%	100.0%	4,260	

Sorted by Total Craft Hours

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of March 31, 2022. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 71% of craft hours worked on PLA-covered projects.

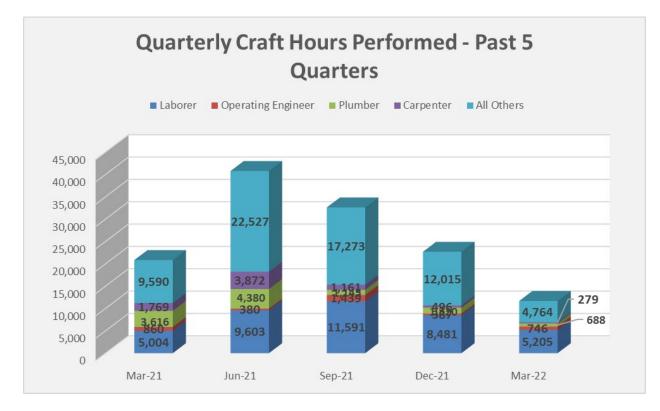




The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages		Quarter Ending 3-31-2022 Hours	Quarter Ending 3-31-2022 Wages	
Laborer	3,027,149	\$	94,803,142	5,205	\$	211,018
Operating Engineer	1,860,901	\$	78,695,993	746	\$	45,636
Carpenter	772,757	\$	33,202,378	279	\$	16,287
Tunnel Worker	612,964	\$	26,175,557	-	\$	-
Electrician	535,744	\$	29,614,037	3,000	\$	239,250
Plumber	460,378	\$	22,444,877	688	\$	56,261
Iron Worker	279,546	\$	9,746,212	60	\$	3,287
Pile Driver	181,764	\$	9,710,884	-	\$	-
Painter	157,351	\$	6,266,814	422	\$	21,510
Cement Mason	129,935	\$	4,580,048	114	\$	4,866
Boilermaker	121,771	\$	6,494,850	-	\$	-
Building/Construction Inspector	88,892	\$	5,007,805	16	\$	806
Roofer	51,003	\$	1,743,006	-	\$	-
Sheet Metal Worker	31,998	\$	1,691,626	93	\$	6,466
Field Surveyor	22,215	\$	1,268,089	104	\$	4,972
Glazier	13,830	\$	703,730	891	\$	50,087
Drywall Installer/Lather	13,762	\$	619,628	-	\$	-
Plasterer	12,448	\$	466,843	-	\$	-
Bricklayer	10,387	\$	412,285	-	\$	-
Electrical Utility Lineman	6,909	\$	425,367	-	\$	-
Metal Roofing Systems Installer	2,586	\$	92,217	-	\$	-
Asbestos Worker, Heat and Frost Insulator	1,729	\$	102,974	25	\$	1,506
Brick Tender	993	\$	34,361	-	\$	-
Tile Setter	677	\$	28,192	-	\$	-
Driver	617	\$	57,899	-	\$	-
Tile Finisher	523	\$	13,087	-	\$	-
Carpet Layer	354	\$	16,311	-	\$	-
Elevator	238	\$	17,611	-	\$	-
Terrazzo Worker	199	\$	8,163	-	\$	-
Sprinkler Fitter	136	\$	9,238	-	\$	-
Marble Finisher	40	\$	1,342	-	\$	-
Terrazzo Finisher	4	\$	160	-	\$	-
	8,399,799	\$		11,641	\$	661,952
						•
Teamster	136,091	\$	6,428,995	26	\$	1,026
Driver (On/Off-Hauling To/From Construction Site)	99,715	\$	7,475,296	14	\$	579
Operating Engineer (Heavy And Highway Work) (Specia	95,289	\$	4,512,513	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Hig	79,393	\$	3,676,393	-	\$	-
Asbestos Removal Worker (Laborer)	17,121	\$	437,612	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Hig			590,532	-	\$	-
Water Well Driller	12,313	\$	608,914	-	\$	-
Tree Trimmer (High Voltage Line Clearance)	1,422		36,006	-	\$	-
Telecommunications Technician	1,160	\$	37,245	-	\$	-
Landscape Maintenance Laborer	1,131	\$	32,404	-	\$	-
Steel Erector And Fabricator (Operating Engineer - Hea	1,123		56,467	-	\$	-
Traffic Control/Lane Closure (Laborer)	888	\$	31,991	-	\$	-
Dredger Operating Engineer	831	\$	33,307	-	\$	-
Operating Engineer (Building Construction)	635	\$	24,810	-	\$	-
Slurry Seal Worker	592	\$	17,811	_	\$	_
Parking And Highway Improvement Painter (Painter)	247	φ \$	10,082	-	φ \$	
Ironworker (Db)	80	φ \$	2,772	-	գ \$	-
Teamster (Special Single Shift Rate)	11	φ \$	2,772		э \$	_
Total Non-Apprenticeable	461,241	۰ پ	291 24,013,441	40	۰ پ	1,605
Total Apprenticable	8,399,799		334,454,729	40 11,641	\$ \$	661,952
Total WSIP PLA			358,468,169	11,641	\$ \$	
TOTAL WSIP PLA	8,861,040	Ş	330,408,109	11,080	Ş	663,557

The charts below represent *Quarterly* participation of the largest four participating trade categories and all others combined on WSIP PLA-covered projects.

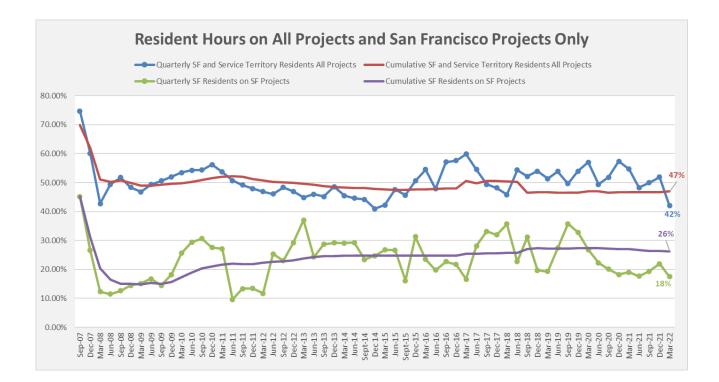


Quarterly Craft Percentage of Total Hours - Past 5 Quarters ■ Laborer ■ Operating Engineer ■ Plumber ■ Carpenter ■ All Others 100% 90% 41% 46% 80% 53% 53% 55% 70% 6% 60% 9% 50% 4% 6% 9% 40% 17% 11% 30% 4% 1% 45% 36% 37% 20% 24% 24% 10% 0% Mar-21 Jun-21 Sep-21 Dec-21 Mar-22

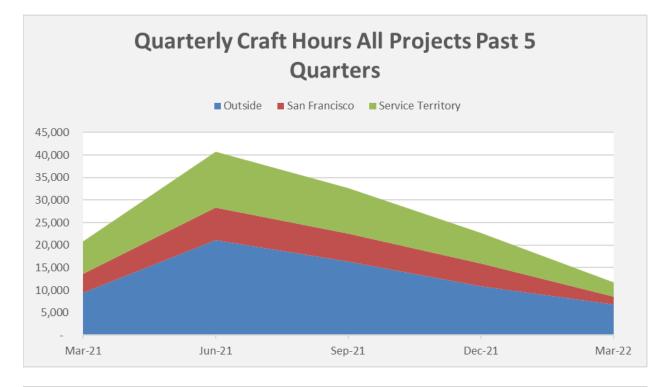
Worker Residence on the WSIP PLA

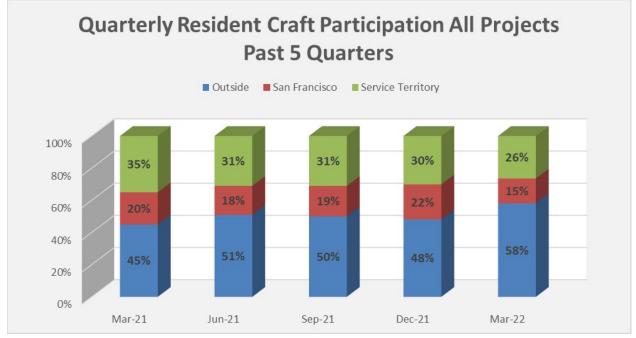
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through March 31, 2022.

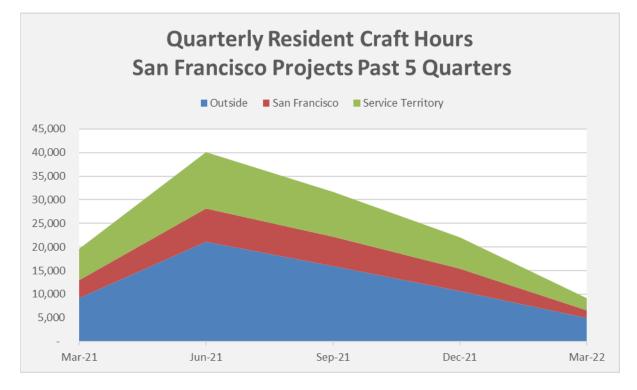


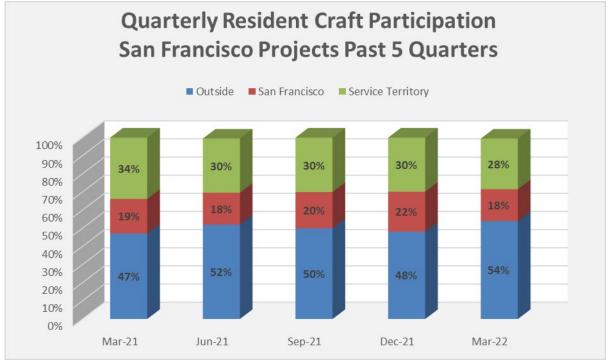
<u>Residence on ALL WSIP PLA Projects</u> - Charted are the 62 projects covered under the WSIP PLA within San Francisco and the Service Territory.



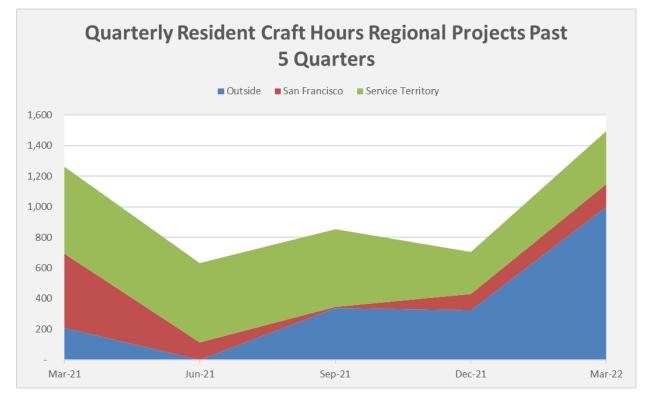


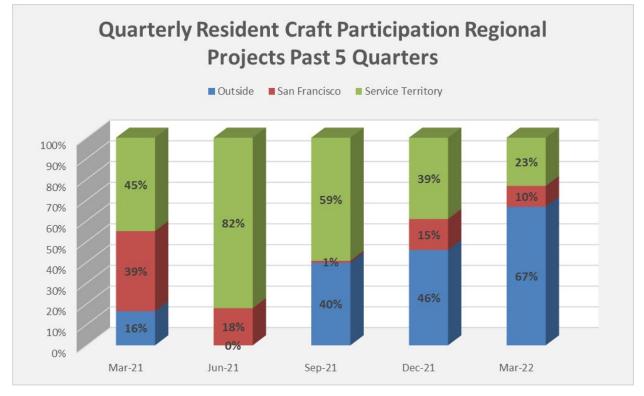
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.





<u>Residence on Regionally-located WSIP PLA Projects</u> - Charted are the 44 projects covered by the WSIP PLA located within the Regional Service Territory.





	WSIP-PLA Employr	nent	by Top 20 Cour	ties of Residenc	e							
Inception Through March 31, 2022												
County	Total Craft Hours		Wages	% Craft Hours	Worker Count	FTE						
Alameda County	1,561,726	\$	58,775,078	17.6%	3,051	751						
Contra Costa County	1,259,416	\$	50,548,404	14.2%	2,154	605						
San Joaquin County	850,614	\$	32,471,391	9.6%	1,346	409						
San Mateo County	777,654	\$	32,281,897	8.8%	1,388	374						
San Francisco County	655,314	\$	26,021,342	7.4%	1,524	315						
Santa Clara County	461,940	\$	18,694,020	5.2%	1,364	222						
Solano County	446,222	\$	18,456,333	5.0%	932	215						
Stanislaus County	391,073	\$	14,537,376	4.4%	672	188						
Sacramento County	354,673	\$	14,655,066	4.0%	667	171						
Butte County	213,069	\$	8,453,830	2.4%	133	102						
Sonoma County	211,515	\$	9,337,301	2.4%	408	102						
Placer County	112,203	\$	5,082,468	1.3%	145	54						
Tuolumne County	102,588	\$	3,982,918	1.2%	103	49						
Calaveras County	101,680	\$	4,520,538	1.1%	81	49						
El Dorado County	88,657	\$	3,772,113	1.0%	89	43						
Los Angeles County	73,054	\$	3,289,832	0.8%	149	35						
Yolo County	71,846	\$	3,002,921	0.8%	96	35						
Shasta County	70,894	\$	3,305,744	0.8%	47	34						
Riverside County	65,996	\$	3,122,393	0.7%	112	32						
Clark County	62,062	\$	2,842,502	0.7%	72	30						
Top 20 Counties by Hours	7,932,196	\$	317,153,467	89.5%	14,533	3,814						
All Other Counties	928,845	\$	41,314,702	10.5%	1,569	447						
WSIP-PLA Total	8,861,040	\$	358,468,169	100.0%	16,102	4,260						

Residence by County

San Francisco Residents by ZIP Code

	Employme	ent	by San Francis	co Zip Code		
	Incepti	on T	hrough March	31, 2022		
			То	tal Workers		
San Francisco Zip Codes	Total Craft		% Total Craft	Worker		
	Hours		Wages	Hours	Count	FTE
94112	127,692	\$	4,762,762	19.5%	259	6
94124	107,776	\$	4,432,837	16.4%	302	52
94110	87,033	\$	3,103,500	13.3%	200	42
94116	86,991	\$	4,131,615	13.3%	96	42
94134	41,659	\$	1,278,290	6.4%	129	20
94122	37,909	\$	1,842,688	5.8%	84	18
94103	24,695	\$	758,060	3.8%	45	12
94121	22,404	\$	1,005,310	3.4%	65	11
94118	17,732	\$	839,478	2.7%	24	ç
94127	15,928	\$	734,873	2.4%	25	8
94132	10,951	\$	443,053	1.7%	38	5
94117	10,718	\$	291,982	1.6%	18	Ę
94107	10,325	\$	393,168	1.6%	33	5
94102	8,852	\$	387,998	1.4%	23	4
94133	8,412	\$	338,330	1.3%	15	4
94131	8,279	\$	292,395	1.3%	32	4
94109	5,228	\$	170,957	0.8%	26	3
94114	4,468	\$	196,812	0.7%	18	2
94108	4,202	\$	144,640	0.6%	9	2
94115	3,923	\$	149,960	0.6%	34	2
94130	3,179	\$	67,807	0.5%	12	2
94142	1,740	\$	68,149	0.3%	7	1
94105	1,021	\$	42,986	0.2%	9	(
94123	937	\$	43,800	0.1%	4	(
94111	915	\$	21,546	0.1%	3	(
94104	677	\$	22,206	0.1%	3	(
94129	447	\$	14,182	0.1%	1	(
94188	366	\$	9,790	0.1%	3	(
94140	288	\$	11,589	0.0%	1	C
94119	255	\$	7,976	0.0%	1	(
94147	162	\$	4,785	0.0%	1	C
94158	126	\$	6,783	0.0%	7	(
94125	21	\$	768	0.0%	1	(
94164	6	\$	264	0.0%	1	C
Total	655,314	\$	26,021,342	100.0%	1,524	315
WSIP-PLA Total	8,861,040	\$	358,468,169	-	16,102	4,260

Sorted by Total Craft Hours

Residence by Craft

	cume		nent of Residents	•							
Inception Through March 31, 2022											
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours				
perating Engineer 1,860,901		71,927	663,615	1,125,359	3.9%	35.7%	60.5%				
Carpenter	772,757	93,791	314,520	364,447	12.1%	40.7%	47.2%				
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%				
Electrician	535,744	36,356	267,432	231,956	6.8%	49.9%	43.3%				
Plumber	460,378	94,393	152,113	213,873	20.5%	33.0%	46.5%				
Iron Worker	279,546	18,196	107,422	153,928	6.5%	38.4%	55.1%				
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%				
Painter	157,351	9,894	19,183	128,275	6.3%	12.2%	81.5%				
Cement Mason	129,935	11,541	54,968	63,427	8.9%	42.3%	48.8%				
Boilermaker	121,771	48	23,484	98,239	0.0%	19.3%	80.7%				
Building/Construction Inspector	88,892	3,995	12,218	72,679	4.5%	13.7%	81.8%				
Roofer	51,003	5,057	26,477	19,470	9.9%	51.9%	38.2%				
Sheet Metal Worker	31,998	2,923	15,774	13,301	9.1%	49.3%	41.6%				
Field Surveyor	22,215	1,382	4,094	16,740	6.2%	49.3%	75.4%				
Glazier	13,830	1,502	6,486	5,820	11.0%	46.9%	42.1%				
Drywall Installer/Lather	13,762	4,312	2,505	6,945	31.3%	18.2%	50.5%				
Plasterer	12,448	7,727	1,156	3,565	62.1%	9.3%	28.6%				
Bricklayer	10,387	82	5,585	4,720	0.8%	53.8%	45.4%				
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%				
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%				
Asbestos Worker, Heat and Frost Insulator	1,729	112	229	1,388	6.5%	13.2%	80.3%				
Brick Tender	993	287	19	687	28.9%	1.9%	69.2%				
Tile Setter	677	-	654	23	0.0%	96.6%	3.4%				
Driver	617	550	60	7	89.1%	9.7%	1.2%				
Tile Finisher	523	-	475	48	0.0%	90.8%	9.2%				
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%				
Elevator	238	-	222	16	0.0%	93.3%	6.7%				
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%				
Sprinkler Fitter	136	-	96	40	0.0%	70.6%	29.4%				
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%				
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%				
Total Apprenticeable	5,372,650	381,942	1,944,075	3,046,633	7.1%	36.2%	56.7%				
Laborer Non-Apprenticeable	3,027,149	244,952	1,298,796	1,483,401	8.1%	42.9%	49.0%				
Teamster	136,091	9,147	80,275	46,669	6.7%	59.0%	34.3%				
Driver (On/Off-Hauling To/From Construction	99,715	18,070	65,818	15,827	18.1%	66.0%	15.9%				
Operating Engineer (Heaw And Highway Wo	95,289	10,070	38,906	56,383	0.0%	40.8%	59.2%				
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%				
Asbestos Removal Worker (Laborer)		951			5.6%	43.9%	81.8%				
. ,	17,121		2,161	14,009							
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%				
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%				
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%				
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%				
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%				
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%				
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%				
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%				
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%				
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%				
Parking And Highway Improvement Painter (247	-	165	82	0.0%	66.8%	33.2%				
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%				
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%				
Total Non-Apprenticeable	461,241	28,420	237,662	195,160	6.2%	51.5%	42.3%				
Total WSIP PLA	8,861,040	655,314	3,480,533	4,725,194	7.4%	39.3%	53.3%				
			5 480 555	4 / / 5 194							

Residence by Project

Sorted	hy T	otal	Hours	

Project	Total Hours	San Francisco	Service Territory	Outside Hours	% San Francisco	% SFPUC Service Territory	% Outside Hours	
		Hours	Hours		Hours	Hours		
WD-2551 - Calaveras Dam Replacement Project	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%	
WD-2596 - HTWTP Long-Term Improvements	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%	
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%	
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%	
WD-2601 - Crystal Springs / San Andreas Transmission System Upgr	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%	
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Re	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%	
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	288,044	5,836	129,660	152,548	2.0%	45.0%	53.0%	
WD-2776 - SF Westside Recycled Water Facility at OSP	238,462	51,783 78,220	65,905 83,691	120,774	21.7% 34.5%	27.6%	50.6% 28.7%	
CS-936 - AMI WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	227,027 208,058	13,608	85,977	65,115 108,472	6.5%	36.9% 41.3%	52.19	
WD-2534 - Day Division Pipeline No. 5 - Last Day Reaches WD-2539 - University Mound Reservoir Seismic Upgrades	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%	
WD-2668 - Regional Groundwater Storage	165,520	27,364	84,204	53,953	16.5%	50.9%	32.6%	
WD-2729 - Fish Passage Facilities - Alameda Creek	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%	
WD-2627R - Sutro Reservoir Rehabilitation	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%	
HH-935C - San Joaquin Pipeline - Eastern Segment	143,988	83	80,508	63,397	0.1%	55.9%	44.0%	
DB-116 - Tesla Treatment Facility	141,910	3,122	93,841	44,948	2.2%	66.1%	31.79	
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6%	
WD-2552 - Alameda Siphon No. 4 Project	129,485	1,450	54,019	74,017	1.1%	41.7%	57.29	
WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1%	
WD-2498 - New Crystal Springs Bypass Tunnel	117,821	9,557	64,371	43,894	8.1%	54.6%	37.39	
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.59	
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.29	
HH-935B - San Joaquin Pipeline - Western Segment	100,492	111	41,614	58,767	0.1%	41.4%	58.5	
WD-2591 - Lower Crystal Springs Dam Improvements	98,562	5,463	52,743	40,356	5.5%	53.5%	40.99	
HH-935A - San Joaquin Pipeline - Crossovers	84,483	223	45,318	38,942	0.3%	53.6%	46.19	
WD-2513 - San Andreas Pipeline No.3 Installation	83,503	6,978	28,219	48,306	8.4%	33.8%	57.89	
WD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.19	
WD-2504 - Stanford Heights Reservoir Seismic Retrofit	74,294	14,461	20,361	39,472	19.5%	27.4%	53.19	
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.19	
WD-2727 - Peninsula Pipeline Seismic Upgrade	69,772 53,265	13,891 13,940	23,679 14,613	32,203 24,713	19.9% 26.2%	33.9% 27.4%	46.29 46.49	
WD-2543 - North University Mound System Upgrade WD-2621R - SF Groundwater Supply Well Stations	52,841	13,940	9,136	29,039	20.2%	17.3%	55.09	
WD-2797 - SF Westside Recycled Water Pump Station and Reservoir	52,636	13,554	21,749	17,333	25.8%	41.3%	32.99	
WD-2573 - Pulgas Balancing Reservoir Structural Rehab	50,367	6,669	25,461	18,237	13.2%	50.6%	36.29	
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,201	13,222	30,486	8.8%	27.6%	63.69	
WD-2641R - Habitat Reserve Program	44,018	8,771	10,167	25,081	19.9%	23.1%	57.0%	
WD-2564 - HTWTP - Short Term Improvements Phases 2 and 3	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1°	
WD-2798 - SF Westside Recycled Water Pipeline	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%	
WD-2829R - San Andreas Pipeline No. 2 Replacement	36,896	6,220	10,481	20,195	16.9%	28.4%	54.7%	
WD-2809 - SF Groundwater Supply Phase 2	30,565	5,928	3,099	21,538	19.4%	10.1%	70.5	
WD-2654R - Peninsula Vegetation Removal	30,464	4,839	9,727	15,897	15.9%	31.9%	52.20	
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.19	
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.79	
WD-2623 - Harding Park Recycled Water Proiect	22,727	4,776	12,625	5,327	21.0%	55.6%	23.49	
VD-2651R - Peninsula 2011 Watershed Compensation	22,569	557	10,940	11,072	2.5%	48.5%	49.1	
WD-2529 - Noe Valley Transmission Main - Phase II	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2	
WD-2665 - Bav Division Pipeline No. 5, Cordilleras Microtunnel	21,967	227	5,528	16,213	1.0%	25.2%	73.8	
ND-2556 - Baden and San Pedro Valve Lot Improvements	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8	
ND-2622 - SF Groundwater Supply Pipeline ND-2566 - San Antonio Pump Station Upgrades Project	17,782	3,487	2,138	12,157 2,868	19.6%	12.0%	68.4	
H-914R - Roselle Crossover Improvements	14,916 12,859	101	11,948 8,861	2,868	0.7% 0.0%	80.1% 68.9%	19.2º 31.1º	
HI-914R - Roselle Clossover Improvements	12,009	3,338	6,185	3,999	29.0%	53.7%	17.3	
ND-2511 - Standby Power Facilities	11,312	281	6,500	4,494	29.0%	57.6%	39.9	
WD-2640 - Bioregional Habitat Restoration	10,621	667	4,028	5,926	6.3%	37.9%	55.89	
WD-2852R - SF Westside Recycled Water Irrigation System Retrofits	9,866	3,587	3,098	3,182	36.4%	31.4%	32.3	
WD-2822R2 - Lower Crystal Springs Dam Stilling Basin Connecting C	8,209	291	3,270	4,648	3.5%	39.8%	56.6	
WD-2600 - Regional Groundwater Storage and Recovery Project- Test	6,088	0	296	5,792	0.0%	4.9%	95.1	
WD-2825R - Alameda Creek Recapture	2,185	150	661	1,374	6.9%	30.3%	62.9	
WD-2855 - Turner Dam Spillway and Pond F3 East Erosion Repair	2,088	0	1,623	465	0.0%	77.7%	22.3	
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2	
Total WSIP PLA	8,861,040		3,480,533	4,725,194	7.4%	39.3%	53.3	

Apprentice Utilization

The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.3% of apprentice hours were worked by San Francisco residents and 52.8% were worked by residents of the Regional Service Territory, or 69.1% combined.

Sorted by Total Craft Hours

v			A	pprentice Hou	rs	Арр	rentice Utiliza	tion	Resident Apprentice %			
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents	
A - Operating Engineer	1,860,901	209,140	25,413	86,311	97,417	11.2%	1.4%	4.6%	12.2%	41.3%	46.6%	
A - Carpenter	772,757	122,474	32,607	57,059	32,809	15.8%	4.2%	7.4%	26.6%	46.6%	26.8%	
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Electrician	535,744	105,945	13,844	67,711	24,390	19.8%	2.6%	12.6%	13.1%	63.9%	23.0%	
A - Plumber	460,378	125,914	37,449	58,801	29,664	27.4%	8.1%	12.8%	29.7%	0.0%	0.0%	
A - Iron Worker	279,546	62,061	10,976	27,340	23,745	22.2%	3.9%	9.8%	17.7%	44.1%	38.3%	
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%	
A - Painter	157,351	26,934	1,827	6,502	18,605	17.1%	1.2%	4.1%	6.8%	24.1%	69.1%	
A - Cement Mason	129,935	6,694	4,419	1,124	1,151	5.2%	3.4%	0.9%	66.0%	16.8%	17.2%	
A - Boilermaker	121,771	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%	
A - Building/Construction Inspector	88,892	5,068	17	1,254	3,797	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%	
A - Roofer	51,003	12,964	2,361	5,634	4,969	25.4%	4.6%	11.0%	18.2%	43.5%	38.3%	
A - Sheet Metal Worker	31,998	5,039	307	3,311	1,422	15.7%	1.0%	10.3%	6.1%	65.7%	28.2%	
A - Field Surveyor	22,215	750	11	71	668	3.4%	0.0%	0.3%	1.5%	9.5%	89.1%	
A - Glazier	13,830	2,046	899	144	1,003	14.8%	6.5%	1.0%	43.9%	7.0%	49.0%	
A - Drywall Installer/Lather	13,762	864	68	283	513	6.3%	0.5%	2.1%	7.9%	32.8%	59.4%	
A - Plasterer	12,448	347	136	-	211	2.8%	1.1%	0.0%	39.2%	0.0%	60.8%	
A - Bricklayer	10,387	2,948	82	839	2,027	28.4%	0.8%	8.1%	2.8%	28.5%	68.8%	
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%	
A - Metal Roofing Systems Installer	2,586	757	-	757	-	29.3%	0.0%	29.3%	0.0%	100.0%	0.0%	
A - Asbestos Worker, Heat and Frost Insul	1,729	176	112	-	64	10.2%	6.5%	0.0%	63.6%	0.0%	36.4%	
A - Brick Tender	993	24	24	-	-	2.4%	2.4%	0.0%	100.0%	0.0%	0.0%	
A - Tile Setter	677	173	-	157	16	25.6%	0.0%	23.2%	0.0%	90.8%	9.2%	
A - Driver	617	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Tile Finisher	523	190	-	150	40	36.3%	0.0%	28.7%	0.0%	78.9%	21.1%	
A - Carpet Layer	354	27	-	23	4	7.6%	0.0%	6.5%	0.0%	85.2%	14.8%	
A - Elevator	238	95	-	95	-	39.9%	0.0%	39.9%	0.0%	100.0%	0.0%	
A - Terrazzo Worker	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Sprinkler Fitter	136	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Marble Finisher	40	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Terrazzo Finisher	4	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Sub-Total Apprenticeable	5,372,650	711,624	135,040	328,707	247,877	13.2%	2.5%	6.1%	19.0%	46.2%	34.8%	
A - Laborer	3,027,149	407,006	47,418	262,225	97,362	13.4%	1.6%	8.7%	11.7%	64.4%	23.9%	
Total Apprenticeable	8,399,799	1,118,630	182,459	590,932	345,239	13.3%	2.2%	7.0%	16.3%	52.8%	30.9%	
Total Non-Apprenticeable	461,241											
Total WSIP - Covered by PLA	8,861,040											

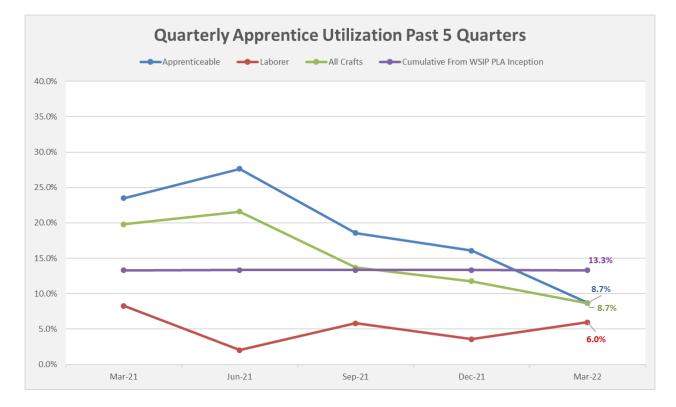
For the three months ending March 31, 2022, 42% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through March 31, 2022											
Apprentice Utilization By Project											
			All Workers Hou	rs	Applentic		rentice Hours	;	Appre	ntice Utilizatio	on %
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-		Total Apprenticeable and Laborer Hours		Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2729 - Fish Passage Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	
WD-2539 - University Mound R	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2776 - SF Westside Recy	238,462	196,058	160	42,244	238,302	42,564	1,888	44,451	21.7%	4.5%	
WD-2573 - Pulgas Balancing R	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	
WD-2627R - Sutro Reservoir Re	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	
WD-2641R - Habitat Reserve P	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	
WD-2668 - Regional Groundwa	165,520	103,321	1,079	61,121	164,441	18,483	7,473	25,956	17.9%	12.2%	
WD-2809 - SF Groundwater Su	30,565	15,063	-	15,502	30,565	2,666	633	3,299	17.7%	4.1%	
WD-2798 - SF Westside Recy	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	
HH-914R - Roselle Crossover In	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	
DB-116 - Tesla Treatment Facil	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	
WD-2469 - Forest Knolls Pump	26,553	17,167	49	9,337	26,504	2,888	19	2,907	16.8%	0.2%	
WD-2582 - Sunol Valley Water	462,423	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%	
WD-2596 - HTWTP Long-Term	1,013,848	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%	
WD-2651R - Peninsula 2011 W	22,569	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%	
WD-2589 - SCADA System Ph	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	
WD-2640 - Bioregional Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	
WD-2552 - Alameda Siphon No	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	15.5%	19.6%	
WD-2555 - Crystal Springs Pip	127,763	49,074	9,731	68,958	118,032	7,559	5,394	12,953	15.4%	7.8%	
WD-2548 - Lake Merced Pump	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	
WD-2727 - Peninsula Pipeline	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	
WD-2575 - San Antonio Backu	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	
WD-2513 - San Andreas Pipeli	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	
WD-2501 - Alemany Pump Sta	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	
WD-2621R - SF Groundwater S	52,841	31,929	-	20,912	52,841	4,352	1,903	6,255	13.6%	9.1%	
WD-2498 - New Crystal Spring	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	
WD-2822R2 - Lower Crystal Sp	8,209	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	
WD-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	
WD-2629 - Seismic Upgrade of	134,349	73,390	1,614	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	
WD-2601 - Crystal Springs / Sa	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	
WD-2541 - Bay Division Pipelin	208,058	88,905	12,802	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%	
HH-953 - Tesla Portal Protectio	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	
WD-2566 - San Antonio Pump	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	
WD-2551 - Calaveras Dam Rep	1,532,134	864,302	36,402	631,430	1,495,733	87,917	98,383	186,301	10.2%	15.6%	
HH-935A - San Joaquin Pipelin	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	
HH-935C - San Joaquin Pipelin	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	
WD-2797 - SF Westside Recyo WD-2564 - HTWTP - Short Terr	52,636 43,049	21,246 22,612	- 80	31,390 20,358	52,636 42,969	2,021 2,089	3,379	5,400 2,089	9.5% 9.2%	10.8%	
WD-2623 - Harding Park Recyc	22,727	7,869	456	20,358	42,969	2,089	949	1,645	9.2%	6.6%	
WD-2556 - Baden and San Pe	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	
WD-2556 - Baden and San Peo WD-2542 - Bay Division Pipelin	288,044	90,020	344 31,498	8,550	256,546	7,049	1,788	2,738	7.8%	20.9%	
WD-2652 - BHR - San Antonio	288,044	19,428	2,526	88,700	108,128	1,492	19,161	20,661	7.8%	21.6%	
HH-935B - San Joaquin Pipelin	100,492	52,940	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	4,001	- 5,243	626	6.9%	0.0%	
WD-2852R - SF Westside Rec	9,866	296	47	9,523	9,819	18	516	534	6.1%	0.0%	
WD-2581 - New Irvington Tunne	730,536	546,830	99,798	9,523	630,738	31,860	19,891	51,750	5.8%	23.7%	
WD-2622 - SF Groundwater Su	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	
WD-2543 - North University Mo	53,265	14,383	7,082	31,800	46,183	743	2,255	2,092	5.2%	7.1%	
WD-2531 - Bay Division Pipelin	583,318	412,690	91,164	79,463	40,183	14,153	18,238	32,395	3.4%	23.0%	
WD-2829R - San Andreas Pipe	36,896	412,090	1,718	17,849	35,178	512	2,386	2,897	3.4%	13.4%	
WD-2665 - Bay Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	
WD-2666 - BHR - Sheep Camp	21,907	16,708	336	6,448	23,156	228	1,741	1,843	1.4%	25.0%	
WD-2654R - Peninsula Vegeta	30,464	5,842	189	24,433	30,275	220	1,694	1,718	0.4%	6.9%	
WD-2529 - Noe Valley Transmi	22,511	6,021	2,067	14,423	20,444	- 24	1,094	1,718	0.4%	7.9%	
WD-2600 - Regional Groundwar	6,088		4,027	2,061	2,061	-	296	296	0.0%	14.3%	
WD-2825R - Alameda Creek R	2,185	894	4,027	1,265	2,001	- 36	- 230	36	0.0%	0.0%	
WD-2855 - Turner Dam Spillwa	2,103	1,649	-	439	2,088	-	-	-	0.0%	0.0%	
	2,000	5,372,650	461,241	3,027,149	8,399,799	711,624	407,006	1,118,630	13.2%	13.4%	

The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending March 31, 2022.



Substance Abuse Prevention

The WSIP PLA requires pre-employment alcohol and drug testing for all covered employees. The policy also allows testing where the contractor has reasonable cause to believe that the employee has used drugs or alcohol, and mandates testing where a contractor concludes that an employee was under the influence of drugs or alcohol at the time of an accident. The SFPUC has extended the WSIP PLA substance abuse prevention policy to all contractor employees working on a job site.

15,234 pre-employment tests have been administered as of March 31, 2022, to people who were cleared to work. 203 people did not pass pre-employment screens and consequently were prevented from working until the results could be confirmed through lab tests. Strict regulations and high compliance by the contractors have led to a mere **1.32%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Program. The chart is on the next page.

Project	Numbe
	Cleared
ND-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
ND-2551 - Calaveras Dam Replacement Project	2,122
ND-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
ND-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
ND-2581 - New Invington Tunnel	651
ND-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
ND-2548 - Lake Merced Pump Station Essential Upgrades	531
ND-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
ND-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	410
ND-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
ND-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
ND-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
ND-2668 - Regional Groundwater Storage and Recovery	268
CS-936 - Advanced Meter Infrastructure	229
ND-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	226
ND-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
ND-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
ND-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
ND-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
ND-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
ND-2568 - BDPL Nos. 3&4 Crossover Facilities	180
ND-2513 - San Andreas Pipeline No.3 Installation Project	178
ND-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
ND-2575 - San Antonio Backup Pipeline	132
ND-2591 - Lower Crystal Springs Dam Improvements	125
ND-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
ND-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	98
ND-2621R - San Francisco Groundwater Supply Well Stations	97
ND-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
ND-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
ND-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
ND-2566 - San Antonio Pump Station Upgrades Project	70
ND-2623 - Harding Park Recycled Water Proiect	65
ND-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
ND-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
ND-2543 - North University Mound System Upgrade	55
ND-2529 - Noe Valley Transmission Main - Phase II	47
ND-2829R - San Andreas Pipeline No. 2 Replacement	47
ND-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bav Division Pipeline No. 5, Cordilleras Microtunnel	43
ND-2654R - Peninsula Vegetation Removal	34
ND-2511 - Standby Power Facilities, Various Locations	30
ND-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30
ND-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28
ND-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassla	2
WD-2600 - Regional Groundwater Storage and Recovery Proiect- Test Well Drilling	2
VD-2622 - San Francisco Groundwater Supply Pipeline	2
VD-2798 - San Francisco Westside Recycled Water Pipeline	2
VD-2809 - San Francisco Groundwater Supply Phase 2	1
VD-2852R - San Francisco Westside Recycled Water Irrigation System Retrofits	
VD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	
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Legislative History of the WSIP PLA

On April 8, 2003, the San Francisco Board of Supervisors adopted Resolution 223-03 urging the SFPUC to develop plans for a Project Labor Agreement covering the capital improvement program to rehabilitate, repair, and upgrade the Hetch Hetchy Water System.

On May 20, 2003, the San Francisco Board of Supervisors adopted Resolution 350-03 urging the SFPUC to include social justice components in the Project Labor Agreement covering the Hetch Hetchy Water System upgrade.

On May 11, 2006, the San Francisco Board of Supervisors amended the San Francisco Administrative Code to establish a PUC Small firm Advisory Committee to provide for the certification of small construction contractors located outside San Francisco and within the SFPUC service territory for work on SFPUC construction projects, including those covered by the WSIP PLA.

On March 28, 2006, the SFPUC adopted Resolution No. 06-0049 to authorize SFPUC staff to commence negotiations with the various craft labor unions for a project labor agreement covering the Water System Improvement Program. Resolution No. 06-0049 concluded that the governmental interests of the SFPUC were furthered by a project labor agreement as follows:

"There are numerous advantages in moving forward on the negotiation of a PLA, which include but are not limited to the following: creates framework for labor harmony; militates against construction delays; assures steady supply of qualified labor; provides employment, career, and local business opportunities; and, other benefits ..."

On March 26, 2007, the SFPUC approved the negotiated agreement, called the Water System Improvement Program Project Labor Agreement (the WSIP PLA). The WSIP PLA requires construction contractors to utilize workers dispatched by signatory unions, and prohibits the unions and contractors from participating in strikes, lockouts, or other disruptions to the work. The WSIP PLA provides a procedure for adjudicating conflicting jurisdictional claims between the unions, provides for uniform hours of work, overtime, shifts and holidays, encourages the recruitment and training of low-income residents of the SFPUC service territory, and requires substance abuse testing for all covered workers. The first implementation of the WSIP PLA was on contract WD-2504, the Stanford Heights Reservoir Seismic Retrofit and Improvement project which the SFPUC awarded to S.J. Amoroso Construction Co., LLC, on June 26, 2007, in the amount of \$17,899,960.

Governance

The parties to the WSIP PLA have established a four person Joint Administrative Committee that reviews the implementation of the agreement and the progress of the covered projects, and resolves problems and grievances that arise in connection with the agreement. The SFPUC administers the agreement under the direction of the Joint Administrative Committee.

The Joint Administrative Committee has established the Jobs Training Opportunities Program to promote the employment and training of San Francisco and SFPUC Service Territory residents on WSIP projects.

Pre-Job Conferences and Jurisdictional Disputes

Prior to the commencement of construction, representatives of the participating contractors and subcontractors, the Unions, and the SFPUC, are mandated to attend a pre-job conference held at the offices of the SFPUC or the offices of the local Building and Construction Trades Council. At the pre-job conference each contractor and subcontractor describes the scope of their work and assigns the work on the basis of traditional craft jurisdictional lines. When conflicting claims for work are submitted to a contractor, the WSIP PLA's Jurisdictional Dispute Resolution procedure is invoked to prevent delay or disruption in the work due to jurisdictional disputes.

Web-Based Labor Compliance Program

All SFPUC construction projects including those covered by the WSIP PLA utilize the City's web-based labor compliance program (LCPtracker, Inc.) which allows contractors to submit their weekly certified payroll reports electronically over the internet. LCPtracker's electronic certified payrolls are used to produce the employment data included in this report.



Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended June 30, 2022 (Fourth Quarter FY 2021-2022)



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Executive Summary

Since it was adopted on March 16, 2007, the WSIP Project Labor Agreement (PLA) has promoted the public interest by ensuring the timely and economical completion of WSIP projects. The WSIP PLA has provided the structure to promote efficiency of construction of the WSIP, facilitate the partnership between the SFPUC, Unions, and Contractors, provide for peaceful settlement of labor disputes, and facilitate the employment of residents.

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Sixty-two (62) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.248 billion in original contract award through June 30, 2022.

Construction Activity Highlights - Program-to-Date

Contracting:

• Sixty-two (62) construction contracts with a value of \$2.248 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 16,143 construction workers were employed for 8,868,496 hours and earned wages of \$358,911,840 on WSIP PLA-covered projects.
- 1,538 San Francisco residents worked 657,646 hours and earned \$26,131,885 on WSIP PLA-covered projects representing 7% of covered hours and 316 full-time equivalent worker years.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. 6,562 residents of the Regional Service Territory earned wages of \$136,037,085 and worked 3,482,177 hours, representing 39% of covered hours and 1,674 full-time equivalent worker years.
- 15,238 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of June 30, 2022. 203 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Persian of Worker Persidence	Inc	Inception Through June 30, 2022									
Region of Worker Residence	Worker Count	Sum of Hours	Sum of Wages	FTE							
All Workers	16,143	8,868,496	\$ 358,911,840	4,264							
San Francisco	1,538	657,646	\$ 26,131,885	316							
SFPUC Service Territory	6,562	3,482,177	\$ 136,037,085	1,674							
Outside	8,064	4,728,673	\$ 196,742,871	2,273							

Construction Activity Highlights - Quarter Ending June 30, 2022

Contracting:

• There were no contracts awarded during the reporting period.

Employment:

- 128 construction workers were employed for 7,456 hours and earned wages of \$443,671 on WSIP PLA-covered projects.
- 37 San Francisco residents worked 2,332 hours and earned wages of \$110,543 on WSIP PLA-covered projects.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 37 residents of the Regional Service Territory worked 1,644 hours and earned wages of \$85,109 on WSIP PLA-covered projects.
- 4 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy, and no individuals were prevented from working as the result of a positive test.

	Three Months Ending June 30, 2022										
Region of Worker Residence	Worker Count	Sum of Hours	Sum Of Wages	FTE*							
All Workers	128	7,456	\$ 443,671	4							
San Francisco	37	2,332	\$ 110,543	1							
SFPUC Service Territory	37	1,644	\$ 85,109	1							
Outside	54	3,480	\$ 248,019	2							

Summary of Craft Worker Employment

*FTE is the abbreviation for Full Time Equivalent. Since the workers on the projects may only work a few hours or days on the project, this is a way to determine the number of full-time positions created. It is found by taking the Sum of Hours divided by 2,080, the conventional value for total hours worked per year based on a 40-hour work week.

Summary of WSIP PLA-Covered Contract Awards

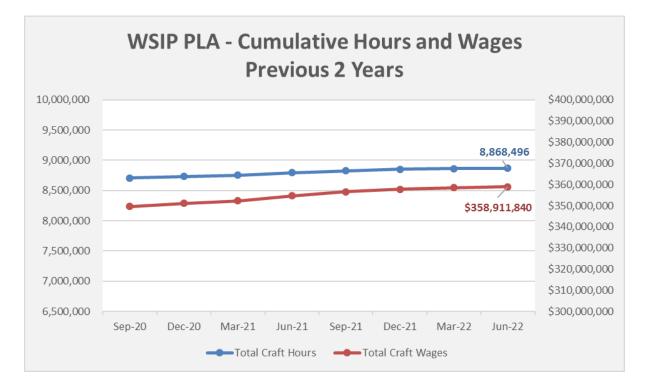
Construction Contracts Awarded Subject to the WSIP-PLA									
			Inception through June 30, 2022						
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate		Award \$			
02/22/22	WD-2878A		Regional Groundwater Storage and Recovery Phase 2A		\$	6,850,00			
	WD-2882	The Professional Tree Care Compan	Trousdale Oaks Trees Removal	\$3.2 to \$4.2 Million	\$	2,655,02			
	WD-2825R	Anvil Builders, Inc	Alameda Creek Recapture	\$22 Million	\$	19,511,50			
	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation Syste	\$3 Million	\$	2,483,52			
	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a		\$	15,633,20			
	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair		\$	1,498,01			
	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch		\$	4,784,70			
	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$	32,087,20			
	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Faci		\$	87,597,0			
	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$	9,780,00			
	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$	21,729,7			
	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Wate		\$	28,939,3			
	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$	11,062,54			
	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$	14,955,1			
	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$	42,980,04			
	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$	8,676,6			
	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$	20,736,3			
	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$	31,372,3			
	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$	27,453,0			
	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$	3,912,5			
	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$	31,320,0			
	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pe		\$	5,591,7			
	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$	2,760,0			
	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well		\$	2,998,6			
	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$	5,251,1			
	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$	12,947,4			
	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andrea		\$	6,499,0			
	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$	3,188,0			
	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$	45,329,4			
	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$	259,571,8			
	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$	174,197,0			
	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$	32,547,3			
	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$	48,706,3			
	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$	17,360,4			
	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$	99 763 0			
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	\$6.5 Million	\$	5,251,1			
	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$	226,657,7			
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$	83,102,1			
	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$	11,723,8			
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$	215,294,5			
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$	52,183,4			
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$	61,558,0			
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$	3,847,2			
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$	12,857,0			
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$	6,991,0			
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$	2,837,0			
	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$	16,336,3			
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$	29,597,0			
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$	31,933,6			
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$	12,695,0			
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$	31,584,0			
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$	62,822,9			
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$	11,536,5			
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$	5,724,0			
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$	55,674,0			
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$	81,420,5			
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$	13,529,3			
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$	13,824,0			
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$	6,547,0			
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$	23,269,0			
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$	8,419,0			
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$	17 899 9			
tal 62 Projec					\$	2,247,844,			

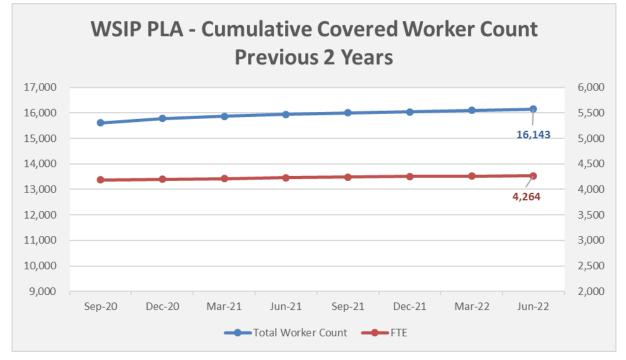
* indicates projects located in San Francisco

Summary Charts

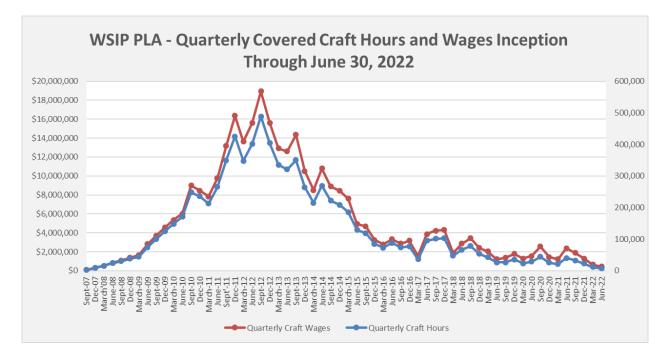
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending June 30, 2022, 16,143 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,868,496 craft hours and \$358,911,840 in craft wages.

The tables below describe the progressive accumulation of these totals over the past two years.





The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 99.2% total completion, Craft Hours have and will likely continue to trend down until total completion.



The chart below represents a close-up of the one above, highlighting the past two years.



Craft Utilization on WSIP PLA-Covered Projects

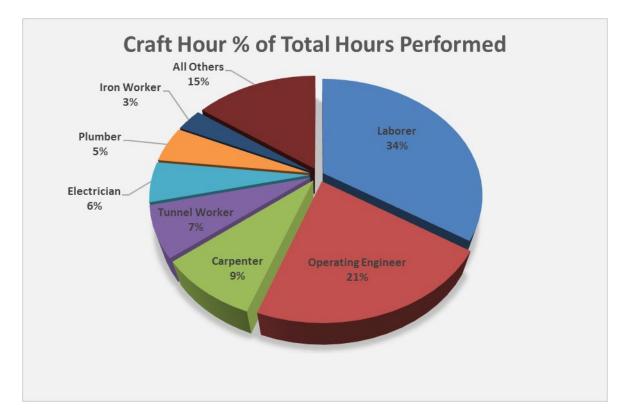
As of June 30, 2022, contractors reported craft hours in 56 craft worker classifications that the SFPUC summarizes into 32 craft areas.

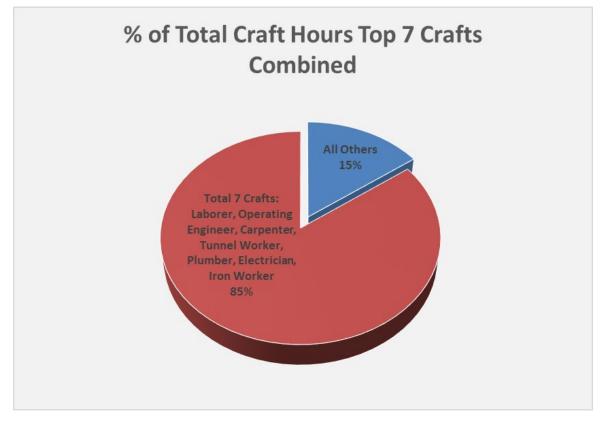
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed by Plumbers.

			ployment by							
Inception Through June 30, 2022										
Craft	Total Hours	Total Wages		% Craft Hours	% Wages of	FTE				
Clait			otal wages	of Total Hours	Total Wages	FIC				
Laborer	3,030,021	\$	94,917,769	34.2%	26.4%	1,457				
Operating Engineer	1,861,080	\$	78,706,641	21.0%	21.9%	895				
Carpenter	772,833	\$	33,206,764	8.7%	9.3%	372				
Tunnel Worker	612,964	\$	26,175,557	6.9%	7.3%	295				
Electrician	537,315	\$	29,748,481	6.1%	8.3%	258				
Plumber	461,572	\$	22,541,582	5.2%	6.3%	222				
Iron Worker	279,546	\$	9,746,212	3.2%	2.7%	134				
Top 7 Sub-Total	7,555,331	\$	295,043,007	85.2%	82.2%	3,632				
Pile Driver	181,764	\$	9,710,884	2.0%	2.7%	87				
Painter	158,107	\$	6,308,852	1.8%	1.8%	76				
Cement Mason	129,935	\$	4,580,048	1.5%	1.3%	62				
Boilermaker	121,771	\$	6,494,850	1.4%	1.8%	59				
Building/Construction Inspector	88,896	\$	5,008,013	1.0%	1.4%	43				
Roofer	51,003	\$	1,743,006	0.6%	0.5%	25				
Sheet Metal Worker	32,072	\$	1,697,011	0.4%	0.5%	15				
Field Surveyor	22,231	\$	1,268,962	0.3%	0.4%	11				
Glazier	13,971	\$	712,075	0.2%	0.2%	7				
Drywall Installer/Lather	13,762	\$	619,628	0.2%	0.2%	7				
Plasterer	12,832	\$	483,027	0.1%	0.1%	6				
Bricklayer	10,387	\$	412,285	0.1%	0.1%	5				
Electrical Utility Lineman	6,909	\$	425,367	0.1%	0.1%	3				
Metal Roofing Systems Installer	2,586	\$	92,217	0.0%	0.0%	1				
Asbestos Worker, Heat and Frost Insu	1,734	\$	103,276	0.0%	0.0%	1				
Brick Tender	993	\$	34,361	0.0%	0.0%	0				
Tile Setter	677	\$	28,192	0.0%	0.0%	0				
Driver	617	\$	57,899	0.0%	0.0%	0				
Tile Finisher	523	\$	13,087	0.0%	0.0%	0				
Carpet Layer	383	\$	17,624	0.0%	0.0%	0				
Terrazzo Worker	284	\$	12,763	0.0%	0.0%	0				
Elevator	268	\$	19,735	0.0%	0.0%	0				
Sprinkler Fitter	136	\$	9,238	0.0%	0.0%	0				
Terrazzo Finisher	45	\$	1,649	0.0%	0.0%	0				
Marble Finisher	40	\$	1,342	0.0%	0.0%	0				
Remaining Apprenticeable Sub-Total	851,924	\$	39,855,392	9.6%	11.1%	410				
Total Non-Apprenticeable	461,241	\$	24,013,441	5.2%	6.7%	222				
Total WSIP-Covered by PLA	8,868,496	\$	358,911,840	100.0%	100.0%	4,264				

Sorted by Total Craft Hours

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of June 30, 2022. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 71% of craft hours worked on PLA-covered projects.

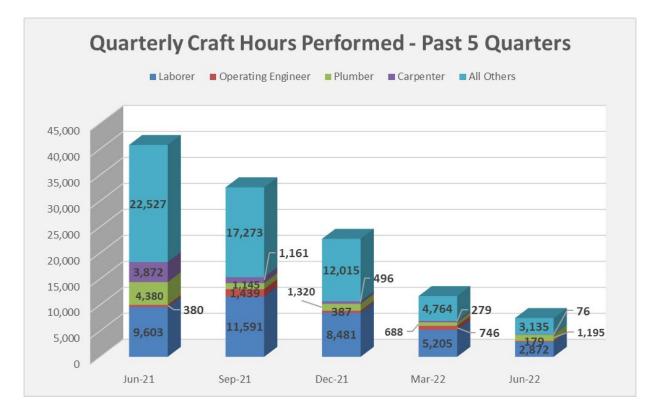


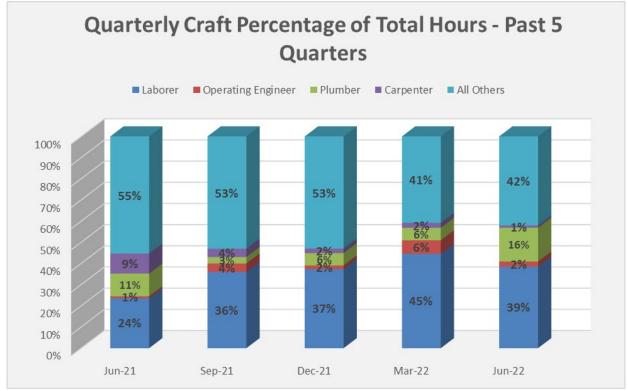


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Hours		Wages	Hours		-30-2022 Wages
3,030,021	\$	94,917,769	2,872	\$	114,627
1,861,080	\$	78,706,641	179	\$	10,648
772,833	\$	33,206,764	76	\$	4,386
612,964	\$	26,175,557	-	\$	-
537,315	\$	29,748,481	1,571	\$	134,444
461,572	\$	22,541,582	1,195	\$	96,706
279,546	\$	9,746,212	-	\$	-
181,764	\$	9,710,884	-	\$	-
158,107	\$	6,308,852	756	\$	42,038
129,935	\$	4,580,048	-	\$	-
121,771	\$	6,494,850	-	\$	-
88,896	\$	5,008,013	4	\$	208
51,003	\$	1,743,006	-	\$	-
32,072	\$	1,697,011	74	\$	5,385
	\$	1,268,962	16	\$	874
13,971		712,075	141	\$	8,345
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1,422		36,006	-	\$	-
1,160	\$	37,245	-		-
1,131	\$	32,404	-	\$	-
1,123	\$	56,467	-	\$	-
888	\$	31,991	-	\$	-
831	\$	33,307	-	\$	-
635	\$	24,810	-	\$	-
592		17,811	-	\$	-
247	\$	10,082	-	\$	-
80	\$	2,772	-		-
11	\$	291	-	\$	-
	\$			\$	_
461,241	Ş	24,013,441	-	Ş	
e 461,241 e 8,407,255	\$ \$	334,898,399	- 7,456	\$ \$	443,671
• •	1,861,080 772,833 612,964 537,315 461,572 279,546 181,764 158,107 129,935 121,771 88,896 51,003 32,072 22,231 13,971 13,762 12,832 10,387 6,909 2,586 1,734 993 677 617 523 383 284 284 268 136 47 523 383 284 284 268 136 45 40 8,407,255	1,861,080 \$ 772,833 \$ 612,964 \$ 537,315 \$ 461,572 \$ 279,546 \$ 181,764 \$ 129,935 \$ 121,771 \$ 88,896 \$ 51,003 \$ 32,072 \$ 22,231 \$ 13,971 \$ 13,762 \$ 12,832 \$ 10,387 \$ 6,909 \$ 2,586 \$ 1,734 \$ 993 \$ 6,77 \$ 617 \$ 523 \$ 383 \$ 284 \$ 268 \$ 136 \$ 45 \$ 40 \$ 8,407,255 \$ 136,091 \$ 99,715 \$ 995,289 \$ 79,393 \$ 17,121 \$ 3,201 \$ 12,313 \$ 1,422 \$ 1,160 \$ 1,131 \$ 1,123 \$ 8888 \$ 3,592 \$ 247 \$ 80 \$	1,861,080 \$ 78,706,641 772,833 \$ 33,206,764 612,964 \$ 26,175,557 537,315 \$ 29,748,481 461,572 \$ 22,541,582 279,546 \$ 9,746,212 181,764 \$ 9,710,884 158,107 \$ 6,308,852 129,935 \$ 4,580,048 121,771 \$ 6,494,850 88,896 \$ 5,008,013 51,003 \$ 1,743,006 32,072 \$ 1,697,011 22,231 \$ 1,268,962 13,971 \$ 712,075 13,762 \$ 619,628 12,832 \$ 483,027 10,387 \$ 412,285 6,909 \$ 425,367 2,586 \$ 92,217 1,734 \$ 103,276 993 \$ 34,361 677 \$ 28,192 617 \$ 57,899 523 \$ 13,087 383 \$ 17,624 284 \$ 12,763 268 \$ 19,735 136 \$ 9,238 45 \$ 1,649 40 \$ 1,342	1,861,080 \$ 78,706,641 179 772,833 \$ 33,206,764 76 612,964 \$ 26,175,557 - 537,315 \$ 29,748,481 1,571 461,572 \$ 22,541,582 1,195 279,546 \$ 9,746,212 - 181,764 \$ 9,740,084 - 158,107 \$ 6,308,852 756 129,935 \$ 4,580,048 - 121,771 \$ 6,494,850 - 88,896 \$ 5,008,013 4 51,003 \$ 1,743,006 - 32,072 \$ 1,697,011 74 22,231 \$ 1,268,962 16 33,971 \$ 712,075 1411 13,762 \$ 619,628 - 12,832 \$ 483,027 384 10,387 \$ 412,285 - 6,909 \$ 425,367 - 2,586 \$ 92,217 - 1,734 \$ 103,276 5 993 \$ 34,361 - 677 \$ 28,192 - 617 \$ 57,899 -	1,861,080 \$ 78,706,641 179 \$ 772,833 \$ 33,206,764 76 \$ 612,964 \$ 26,175,557 - \$ 537,315 \$ 22,541,582 1,195 \$ 461,572 \$ 22,541,582 1,195 \$ 181,764 \$ 9,746,212 - \$ 181,764 \$ 9,746,212 - \$ 181,764 \$ 9,746,212 - \$ 181,764 \$ 9,740,848 - \$ 121,771 \$ 6,308,852 756 \$ 122,935 \$ 4,580,048 - \$ 32,072 \$ 1,697,011 74 \$ 22,231 \$ 1,268,962 166 \$ 31,971 \$ 712,075 141 \$ 13,762 \$ 619,628 - \$ 12,832 \$ 483,027 384 \$ 10,387 \$ 412,285 - \$ 6,909 \$ 425,367 - \$ 2,586 \$ 92,217 - \$ 1,734 \$ 103,276 5

The charts below represent *Quarterly* participation of the largest four participating trade categories and all others combined on WSIP PLA-covered projects.

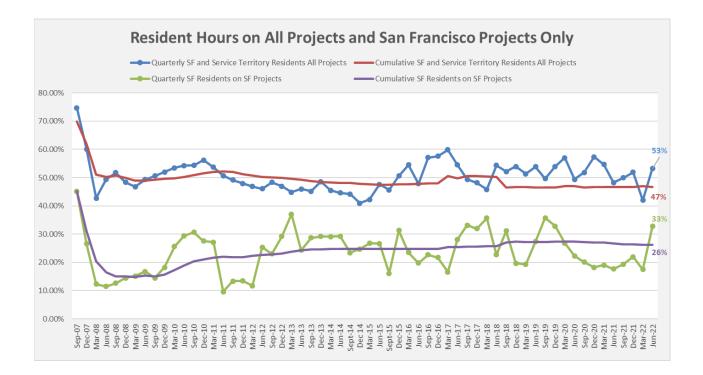




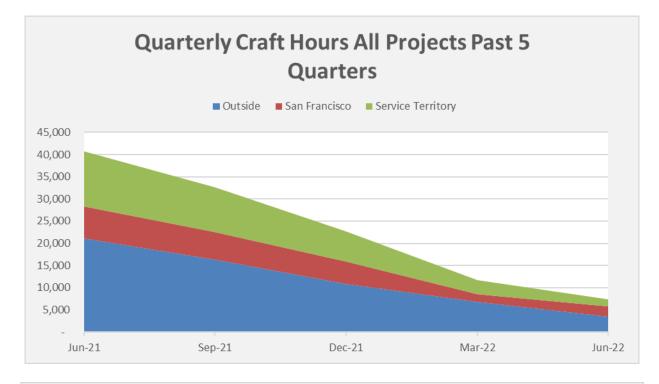
Worker Residence on the WSIP PLA

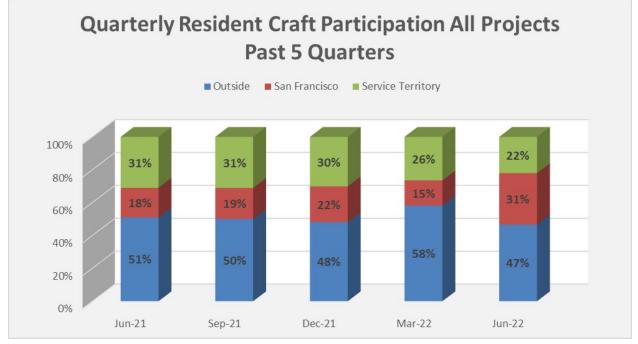
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through June 30, 2022.

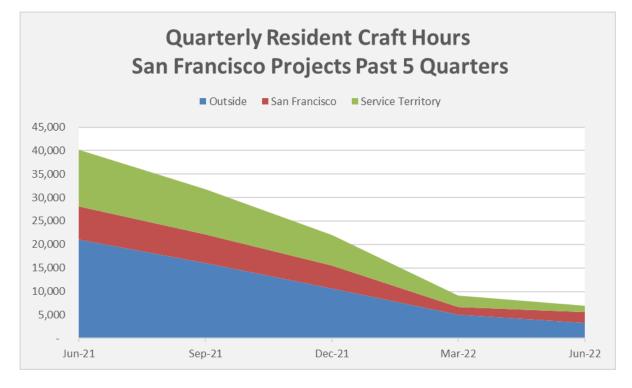


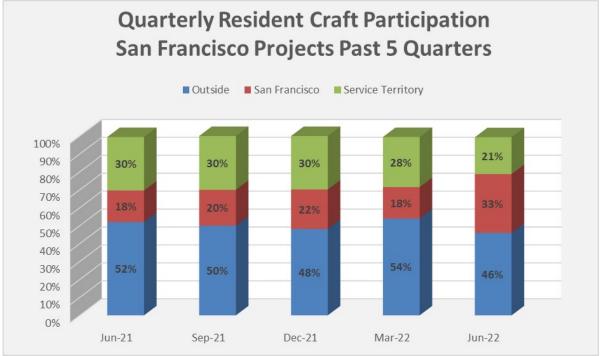
<u>Residence on ALL WSIP PLA Projects</u> - Charted are the 62 projects covered under the WSIP PLA within San Francisco and the Service Territory.



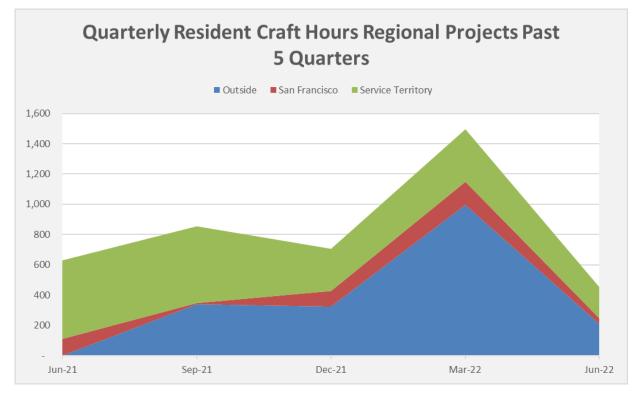


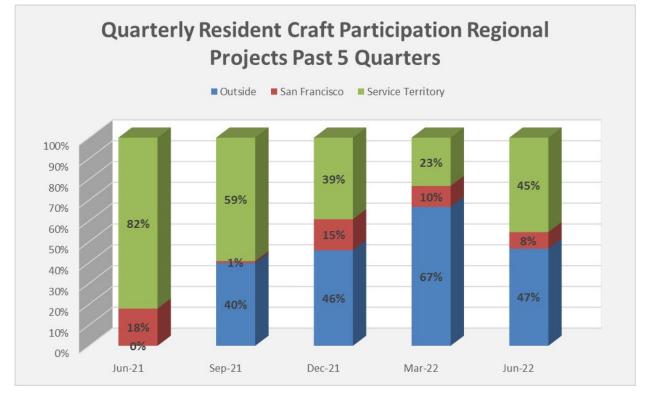
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.





<u>Residence on Regionally-located WSIP PLA Projects</u> - Charted are the 44 projects covered by the WSIP PLA located within the Regional Service Territory.





Sorted by Total Craft Hours		51U	ence by Coun	uy		
	WSIP-PLA Employr				æ	
County	Total Craft Hours		hrough June 30, Wages	% Craft Hours	Worker Count	FTE
Alameda County	1,562,349	\$	58,805,168	17.6%	3,058	751
Contra Costa County	1,261,207	\$	50,676,906	14.2%	2,157	606
San Joaquin County	850,946	\$	32,490,235	9.6%	1,348	409
San Mateo County	778,501	\$	32,328,612	8.8%	1,390	374
San Francisco County	657,646	\$	26,131,885	7.4%	1,538	316
Santa Clara County	461,960	\$	18,695,013	5.2%	1,364	222
Solano County	446,624	\$	18,476,970	5.0%	937	215
Stanislaus County	391,081	\$	14,537,584	4.4%	673	188
Sacramento County	354,729	\$	14,657,252	4.0%	670	171
Butte County	213,069	\$	8,453,830	2.4%	133	102
Sonoma County	212,237	\$	9,400,361	2.4%	409	102
Placer County	112,203	\$	5,082,468	1.3%	145	54
Tuolumne County	102,588	\$	3,982,918	1.2%	103	49
Calaveras County	101,680	\$	4,520,538	1.1%	81	49
El Dorado County	88,657	\$	3,772,113	1.0%	89	43
Los Angeles County	73,054	\$	3,289,832	0.8%	149	35
Yolo County	71,846	\$	3,002,921	0.8%	96	35
Shasta County	70,902	\$	3,306,175	0.8%	48	34
Riverside County	65,996	\$	3,122,393	0.7%	112	32
Clark County	62,062	\$	2,842,502	0.7%	72	30
Top 20 Counties by Hours	7,939,336	\$	317,575,677	89.5%	14,572	3,817
All Other Counties	929,160	\$	41,336,163	10.5%	1,571	447
WSIP-PLA Total	8,868,496	\$	358,911,840	100.0%	16,143	4,264

Residence by County

San Francisco Residents by ZIP Code

	Employme	ent	by San Francis	co Zip Code			
	Incept	ion	Through June 3	30, 2022			
			Тс	tal Workers			
San Francisco Zip Codes	Total Craft			% Total Craft	Worker		
	Hours		Wages	Hours	Count	FTE	
94112	128,698	\$	4,804,235	19.6%	263	62	
94124	107,862	\$	4,436,436	16.4%	304	52	
94110	87,150	\$	3,109,339	13.3%	201	42	
94116	87,060	\$	4,135,443	13.2%	97	42	
94134	41,756	\$	1,282,729	6.3%	131	20	
94122	37,929	\$	1,843,665	5.8%	84	18	
94103	24,695	\$	758,060	3.8%	45	12	
94121	22,678	\$	1,030,342	3.4%	65	11	
94118	18,040	\$	851,153	2.7%	24	ę	
94127	15,928	\$	734,873	2.4%	25	8	
94132	11,023	\$	444,635	1.7%	39	ł	
94117	10,718	\$	291,982	1.6%	18	į	
94107	10,421	\$	397,567	1.6%	35	ļ	
94102	8,860	\$	388,268	1.3%	24	4	
94133	8,428	\$	339,010	1.3%	15	2	
94131	8,279	\$	292,395	1.3%	32	4	
94109	5,276	\$	173,093	0.8%	26		
94114	4,468	\$	196,812	0.7%	18		
94108	4,202	\$	144,640	0.6%	9		
94115	3,923	\$	149,960	0.6%	34		
94130	3,179	\$	67,807	0.5%	12		
94142	1,740	\$	68,149	0.3%	7		
94105	1,088	\$	45,921	0.2%	10		
94123	985	\$	45,480	0.1%	5	(
94111	915	\$	21,546	0.1%	3		
94104	677	\$	22,206	0.1%	3	(
94129	447	\$	14,182	0.1%	1	(
94188	366	\$	9,790	0.1%	3		
94140	288	\$	11,589	0.0%	1	(
94119	255	\$	7,976	0.0%	1	(
94147	162	\$	4,785	0.0%	1	(
94158	126	\$	6,783	0.0%	7	(
94125	21	\$	768	0.0%	1	(
94164	6	\$	264	0.0%	1	(
Гotal	657,646	\$	26,131,885	100.0%	1,538	316	
NSIP-PLA Total	8,868,496	\$	358,911,840	-	16,143	4,264	

Sorted by Total Craft Hours

Residence by Craft

Inception Through June 30, 2022									
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours		
Operating Engineer	1,861,080	72,038	663,653	1,125,389	3.9%	35.7%	60.5%		
Carpenter	772,833	93,791	314,539	364,503	12.1%	40.7%	47.2%		
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%		
Electrician	537,315	36,600	267,669	233,046	6.8%	49.8%	43.4%		
Plumber	461,572	94,601	152,227	214,745	20.5%	33.0%	46.5%		
Iron Worker	279,546	18,196	107,422	153,928	6.5%	38.4%	55.1%		
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%		
Painter	158,107	10,123	19,340	128,644	6.4%	12.2%	81.4%		
Cement Mason	129,935	11,541	54,968	63,427	8.9%	42.3%	48.8%		
Boilermaker	121,771	48	23,484	98,239	0.0%	19.3%	80.7%		
Building/Construction Inspector	88,896	3,999	12,218	72,679	4.5%	13.7%	81.8%		
Roofer	51,003	5,057	26,477	19,470	9.9%	51.9%	38.2%		
Sheet Metal Worker	32,072	2,923	15,774	13,375	9.1%	49.2%	41.7%		
Field Surveyor	22,231	1,382	4,102	16,748	6.2%	18.5%	75.3%		
Glazier	13,971	1,525	6,614	5,833	10.9%	47.3%	41.8%		
Drywall Installer/Lather	13,762	4,312	2,505	6,945	31.3%	18.2%	50.5%		
Plasterer	12,832	7,902	1,309	3,621	61.6%	10.2%	28.2%		
Bricklayer	10,387	82	5,585	4,720	0.8%	53.8%	45.4%		
Electrical Utility Lineman	6,909	_	186	6,723	0.0%	2.7%	97.3%		
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%		
Asbestos Worker, Heat and Frost Insulator	1,734	112	229	1,393	6.5%	13.2%	80.3%		
Brick Tender	993	287	19	687	28.9%	1.9%	69.2%		
Tile Setter	677	-	654	23	0.0%	96.6%	3.4%		
Driver	617	550	60	7	89.1%	9.7%	1.2%		
Tile Finisher	523	-	475	48	0.0%	90.8%	9.2%		
Carpet Layer	383	140	89	154	36.6%	23.2%	40.2%		
Terrazzo Worker	284	-	-	284	0.0%	0.0%	100.0%		
Elevator	268	-	242	26	0.0%	90.3%	9.7%		
Sprinkler Fitter	136	-	96	40	0.0%	70.6%	29.4%		
Terrazzo Finisher	45	-	31	14	0.0%	68.9%	31.1%		
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%		
Total Apprenticeable	5,377,234	382,942	1,944,976	3,049,316	7.1%	36.2%	56.7%		
Laborer	3,030,021	246,284	1,299,539	1,484,198	8.1%	42.9%	49.0%		
Non-Apprenticeable Teamster	136,091	9,147	80,275	46,669	6.7%	59.0%	34.3%		
Driver (On/Off-Hauling To/From Construction	99,715	18,070	65,818	15,827	18.1%	66.0%	15.9%		
Operating Engineer (Heavy And Highway Wo	95,289	10,070	38,906	56,383	0.0%	40.8%	59.2%		
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%		
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%		
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%		
5 (1 5 5							41.7%		
Water Well Driller	12,313	-	7,177	5,136 199	0.0% 2.3%	58.3%			
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	72	2.3%	83.8%	14.0%		
Telecommunications Technician	1,160		1,088 614			93.8%	6.2% 44.3%		
Landscape Maintenance Laborer	1,131	16		501	1.4%	54.3%			
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%		
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%		
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%			
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%		
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%		
Parking And Highway Improvement Painter (247	-	165	82	0.0%	66.8%	33.2%		
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%		
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%		
Total Non-Apprenticeable	461,241	28,420	237,662	195,160	6.2%	51.5%	42.3%		
Total WSIP PLA	8,868,496	657,646	3,482,177	4,728,673	7.4%	39.3%	53.3%		

Residence by Project

Sorted	hv	Total	Hours
Solicu	Uγ	TOTAL	nouis

Project	ployment Sumr Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
ND-2551 - Calaveras Dam Replacement Project	1 532 134	4 664	572 572	954 898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improvements	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andreas Transmission System Upgr	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Re	462,423	9,292	174,479	278,653	2.0%	37.7%	60.39
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches WD-2776 - SF Westside Recycled Water Facility at OSP	288,044 243 004	5,836 52 915	129,660 66 807	152,548 123 282	2.0% 21.8%	45.0% 27.5%	53.09 50.79
CS-936 - AMI	243 004	78,220	83,691	65,115	34.5%	36.9%	28.79
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	208,058	13,608	85,977	108,472	6.5%	41.3%	52.19
WD-2539 - University Mound Reservoir Seismic Upgrades	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3
WD-2668 - Regional Groundwater Storage	165,771	27,384	84,372	54,016	16 5%	50.9%	32.6
WD-2729 - Fish Passage Facilities - Alameda Creek	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5
WD-2627R - Sutro Reservoir Rehabilitation	154,545	49,147	39,763	65,635	31 8%	25.7%	42.5
HH-935C - San Joaquin Pipeline - Eastern Segment	143 988	83	80 508	63 397	0.1%	55.9%	44.0
DB-116 - Tesla Treatment Facility	141,910	3,122	93,841	44,948	2 2%	66.1%	31.79
ND-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6
WD-2552 - Alameda Siphon No. 4 Project	129 485	1 450	54 019	74 017	1.1%	41.7%	57.2
WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1
ND-2498 - New Crystal Springs Bypass Tunnel	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3
ND-2652 - BHR - San Antonio Creek ND-2548 - Lake Merced Pump Station	110,655	3,693	45,574	61,388	3 3%	41.2%	55.5
HH-935B - San Joaquin Pipeline - Western Segment	101,050 100,492	28,541 111	25,790 41,614	46,720 58,767	28 2% 0.1%	25.5% 41.4%	46.2
ND-2591 - Lower Crystal Springs Dam Improvements	98,562	5,463	52,743	40,356	5 5%	53.5%	40.9
HH-935A - San Joaquin Pipeline - Crossovers	84 483	223	45 318	38 942	0 3%	53.6%	46.1
WD-2513 - San Andreas Pipeline No.3 Installation	83 503	6 978	28 219	48 306	8.4%	33.8%	57.8
WD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1
WD-2504 - Stanford Heights Reservoir Seismic Retrofit	74,294	14,461	20,361	39,472	19 5%	27.4%	53.1
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11 6%	39.2%	49.1
ND-2727 - Peninsula Pipeline Seismic Upgrade	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2
ND-2797 - SF Westside Recycled Water Pump Station and Reservoir	53,751	14,002	21,963	17,786	26.0%	40.9%	33.1
WD-2543 - North University Mound System Upgrade	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4
WD-2621R - SF Groundwater Supply Well Stations	52 841	14 667	9 136	29 039	27.8%	17.3%	55.0
ND-2573 - Pulgas Balancing Reservoir Structural Rehab	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2
ND-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,201	13,222	30,486	8.8%	27.6%	63.6
ND-2641R - Habitat Reserve Program ND-2564 - HTWTP - Short Term Improvements Phases 2 and 3	44,018 43,049	8,771 8,445	10,167 15,208	25,081 19,397	19.9% 19.6%	23.1% 35.3%	57.0 45.1
ND-2798 - SF Westside Recycled Water Pipeline	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0
WD-2829R - San Andreas Pipeline No. 2 Replacement	36,912	6,228	10,481	20,203	16.9%	28.4%	54.7
ND-2809 - SF Groundwater Supply Phase 2	30 565	5 928	3 099	21 538	19.4%	10.1%	70.5
ND-2654R - Peninsula Vegetation Removal	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2
ND-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1
ND-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7
ND-2623 - Harding Park Recycled Water Proiect	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4
VD-2651R - Peninsula 2011 Watershed Compensation	22,569	557	10,940	11,072	2.5%	48.5%	49.1
ND-2529 - Noe Valley Transmission Main - Phase II	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2
ND-2665 - Bay Division Pipeline No. 5 Cordilleras Microtunnel	21 967	227	5 528	16 213	1.0%	25.2%	73.8
ND-2556 - Baden and San Pedro Valve Lot Improvements ND-2622 - SF Groundwater Supply Pipeline	19,939 17,782	2,720 3,487	15,270 2,138	1,949 12,157	13.6% 19.6%	76.6% 12.0%	9.8 68.4
ND-2022 - SP Groundwater Supply Pipeline ND-2566 - San Antonio Pump Station Upgrades Project	14,916	3,467	2,138	2,868	0.7%	80.1%	19.2
H-914R - Roselle Crossover Improvements	14,910	0	8,861	3,999	0.7%	68.9%	31.1
H-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3
VD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9
VD-2852R - SF Westside Recycled Water Irrigation System Retrofits	11 212	4 303	3 420	3 490	38.4%	30.5%	31.1
VD-2640 - Bioregional Habitat Restoration	10 621	667	4,028	5,926	6.3%	37.9%	55.8
ND-2822R2 - Lower Crystal Springs Dam Stilling Basin Connecting C	8,209	291	3,270	4,648	3.5%	39.8%	56.6
ND-2600 - Regional Groundwater Storage and Recovery Proiect- Test	6,088	0	296	5,792	0.0%	4.9%	95.1
ND-2825R - Alameda Creek Recapture	2,371	158	699	1,515	6.7%	29.5%	63.9
WD-2855 - Turner Dam Spillway and Pond F3 East Erosion Repair	2,088	0	1,623	465	0.0%	77.7%	22.3
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2

Apprentice Utilization

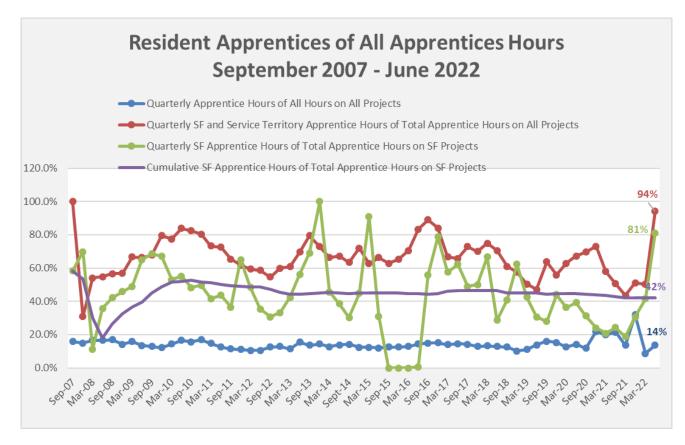
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.4% of apprentice hours were worked by San Francisco residents and 52.8% were worked by residents of the Regional Service Territory, or 69.2% combined.

Sorted by Total Craft Hours

			A	pprentice Hou	rs	Арр	rentice Utiliza	tion	Resident Apprentice %		
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,861,080	209,140	25,413	86,311	97,417	11.2%	1.4%	4.6%	12.2%	41.3%	46.6%
A - Carpenter	772,833	122,488	32,607	57,059	32,823	15.8%	4.2%	7.4%	26.6%	46.6%	26.8%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	537,315	106,022	13,844	67,788	24,390	19.7%	2.6%	12.6%	13.1%	63.9%	23.0%
A - Plumber	461,572	126,122	37,657	58,801	29,664	27.3%	8.2%	12.7%	29.9%	0.0%	0.0%
A - Iron Worker	279,546	62,061	10,976	27,340	23,745	22.2%	3.9%	9.8%	17.7%	44.1%	38.3%
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%
A - Painter	158,107	27,143	2,012	6,502	18,629	17.2%	1.3%	4.1%	7.4%	24.0%	68.6%
A - Cement Mason	129,935	6,694	4,419	1,124	1,151	5.2%	3.4%	0.9%	66.0%	16.8%	17.2%
A - Boilermaker	121,771	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%
A - Building/Construction Inspector	88,896	5,068	17	1,254	3,797	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%
A - Roofer	51,003	12,964	2,361	5,634	4,969	25.4%	4.6%	11.0%	18.2%	43.5%	38.3%
A - Sheet Metal Worker	32,072	5,039	307	3,311	1,422	15.7%	1.0%	10.3%	6.1%	65.7%	28.2%
A - Field Surveyor	22,231	750	11	71	668	3.4%	0.0%	0.3%	1.5%	9.5%	89.1%
A - Glazier	13,971	2,054	899	144	1,011	14.7%	6.4%	1.0%	43.8%	7.0%	49.2%
A - Drywall Installer/Lather	13,762	864	68	283	513	6.3%	0.5%	2.1%	7.9%	32.8%	59.4%
A - Plasterer	12,832	347	136	-	211	2.7%	1.1%	0.0%	39.2%	0.0%	60.8%
A - Bricklayer	10,387	2,948	82	839	2,027	28.4%	0.8%	8.1%	2.8%	28.5%	68.8%
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%
A - Metal Roofing Systems Installer	2,586	757	-	757	-	29.3%	0.0%	29.3%	0.0%	100.0%	0.0%
A - Asbestos Worker, Heat and Frost I	1,734	176	112	-	64	10.2%	6.5%	0.0%	63.6%	0.0%	36.4%
A - Brick Tender	993	24	24	-	-	2.4%	2.4%	0.0%	100.0%	0.0%	0.0%
A - Tile Setter	677	173	-	157	16	25.6%	0.0%	23.2%	0.0%	90.8%	9.2%
A - Driver	617	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Tile Finisher	523	190	-	150	40	36.3%	0.0%	28.7%	0.0%	78.9%	21.1%
A - Carpet Layer	383	56	29	23	4	14.6%	7.6%	6.0%	51.8%	41.1%	7.1%
A - Terrazzo Worker	284	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Elevator	268	105	-	105	-	39.2%	0.0%	39.2%	0.0%	100.0%	0.0%
A - Sprinkler Fitter	136	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Terrazzo Finisher	45	36	-	22	14	80.0%	0.0%	48.9%	0.0%	48.9%	38.9%
A - Marble Finisher	40	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sub-Total Apprenticeable	5,377,234	712,214	135,462	328,816	247,936	13.2%	2.5%	6.1%	19.0%	46.2%	34.8%
A - Laborer	3,030,021	407,439	47,827	262,249	97,362	13.4%	1.6%	8.7%	11.7%	64.4%	23.9%
Total Apprenticeable	8,407,255	1,119,653	183,289	591,065	345,299	13.3%	2.2%	7.0%	16.4%	52.8%	30.8%
Total Non-Apprenticeable	461,241										
Total WSIP - Covered by PLA	8,868,496										

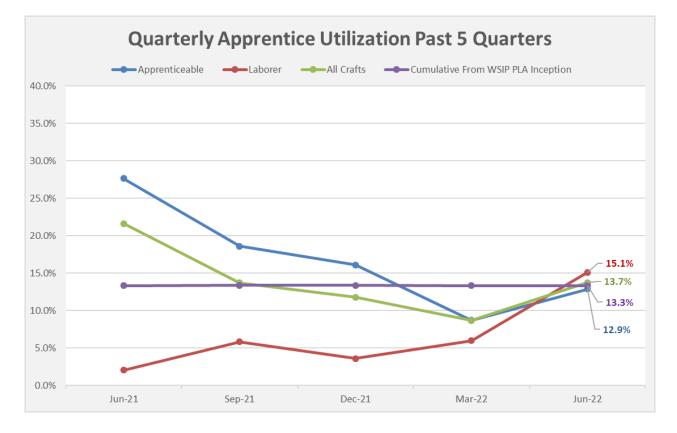
For the three months ending June 30, 2022, 81% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through June 30, 2022											
				Inceptio		e Utilization By Pi	roiect				
			All Workers Hou	rs	Appleittic		rentice Hours		Annre	ntice Utilizatio	on %
					Total				Арріс		T
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2729 - Fish Passage Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2539 - University Mound R	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2776 - SF Westside Recy	243,004	199,974	160	42,870	242,844	43,049	1,984	45,033	21.5%	4.6%	18.5%
WD-2573 - Pulgas Balancing R	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	15.6%
WD-2627R - Sutro Reservoir R	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	
WD-2641R - Habitat Reserve P	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	
WD-2668 - Regional Groundwa	165,771	103,443	1,079	61,250	164,692	18,483	7,473	25,956	17.9%	12.2%	
WD-2809 - SF Groundwater Su	30,565	15,063	-	15,502	30,565	2,666	633	3,299	17.7%	4.1%	
WD-2798 - SF Westside Recy	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	
HH-914R - Roselle Crossover In	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	
DB-116 - Tesla Treatment Faci	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	
WD-2469 - Forest Knolls Pump	26,553	17,167	31	9,355	26,522	2,888	19	2,907	16.8%	0.2%	
WD-2582 - Sunol Valley Water	462,423	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%	
WD-2596 - HTWTP Long-Term	1,013,848	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%	
WD-2651R - Peninsula 2011 W	22,569	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%	
WD-2589 - SCADA System Ph	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	
WD-2640 - Bioregional Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	
WD-2552 - Alameda Siphon No	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	15.5%	19.6%	
WD-2555 - Crystal Springs Pip	127,763	49,074	9,202	69,487	118,561	7,559	5,394	12,953	15.4%	7.8%	
WD-2548 - Lake Merced Pump	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	10.9%
WD-2727 - Peninsula Pipeline	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%
WD-2575 - San Antonio Backu	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2513 - San Andreas Pipeli	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%
WD-2501 - Alemany Pump Sta	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	10.3%
WD-2621R - SF Groundwater S	52,841	31,929	-	20,912	52,841	4,352	1,903	6,255	13.6%	9.1%	11.8%
WD-2498 - New Crystal Spring	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2822R2 - Lower Crystal Sp	8,209	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	11.7%
WD-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2629 - Seismic Upgrade of	134,349	73,390	1,511	59,448	132,838	8,297	13,294	21,590	11.3%	22.4%	16.3%
WD-2601 - Crystal Springs / Sa	489,160	334,614	23,054	131,493	466,106	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2541 - Bay Division Pipelir	208,058	88,905	12,743	106,410	195,315	10,026	10,170	20,196	11.3%	9.6%	10.3%
HH-953 - Tesla Portal Protectio	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2566 - San Antonio Pump	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%
WD-2551 - Calaveras Dam Rep	1,532,134	864,302	36,402	631,430	1,495,733	87,917	98,383	186,301	10.2%	15.6%	12.5%
HH-935A - San Joaquin Pipelin	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	10.8%
HH-935C - San Joaquin Pipelin	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	12.1%
WD-2797 - SF Westside Recy	53,751	21,714	-	32,037	53,751	2,126	3,384	5,509	9.8%	10.6%	10.2%
WD-2564 - HTWTP - Short Terr	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2623 - Harding Park Recyc	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	7.4%
WD-2556 - Baden and San Peo	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2542 - Bay Division Pipelir	288,044	90,020	31,498	166,526	256,546	7,049	19,161	26,210	7.8%	11.5%	10.2%
WD-2652 - BHR - San Antonio	110,655	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	19.1%
HH-935B - San Joaquin Pipelin	100,492	52,940	11,678	35,875	88,814	4,061	5,243	9,304	7.7%	14.6%	10.5%
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	
WD-2581 - New Irvington Tunne	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	8.2%
WD-2622 - SF Groundwater Su	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2543 - North University Mo	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	
WD-2825R - Alameda Creek R	2,371	945	26	1,401	2,345	36	-	36	3.8%	0.0%	1.5%
WD-2531 - Bay Division Pipelir	583,318	412,690	91,092	79,535	492,226	14,153	18,238	32,391	3.4%	22.9%	6.6%
WD-2665 - Bav Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2666 - BHR - Sheep Camp	23,492	16,708	-	6,784	23,492	228	1,615	1,843	1.4%	23.8%	7.8%
WD-2654R - Peninsula Vegeta	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2600 - Regional Groundwa	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2529 - Noe Valley Transmi	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2829R - San Andreas Pipe	36,912	17,330	1,686	17,897	35,226	512	2,386	2,897	3.0%	13.3%	
WD-2852R - SF Westside Rec	11,212	324	47	10,841	11,165	18	848	866	5.5%	7.8%	
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	2,088	-	-	-	0.0%	0.0%	0.0%
WSIP - Covered by PLA (59 Pr		5,377,234	459,190	3,032,072	8,409,306	712,214	407,439	1,119,653	13.2%	13.4%	

The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending June 30, 2022.



Substance Abuse Prevention

The WSIP PLA requires pre-employment alcohol and drug testing for all covered employees. The policy also allows testing where the contractor has reasonable cause to believe that the employee has used drugs or alcohol, and mandates testing where a contractor concludes that an employee was under the influence of drugs or alcohol at the time of an accident. The SFPUC has extended the WSIP PLA substance abuse prevention policy to all contractor employees working on a job site.

15,238 pre-employment tests have been administered as of June 30, 2022, to people who were cleared to work. 203 people did not pass pre-employment screens and consequently were prevented from working until the results could be confirmed through lab tests. Strict regulations and high compliance by the contractors have led to a mere **1.31%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Program. The chart is on the next page.

Project	Number Cleared
VD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
VD-2551 - Calaveras Dam Replacement Proiect	2,122
VD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
VD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
VD-2581 - New Irvington Tunnel	651
VD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
VD-2548 - Lake Merced Pump Station Essential Upgrades	531
VD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
VD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant VD-2501 - Alemany Pump Station	410 375
DB-116 - Tesla Treatment Facility	374
H-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
VD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
VD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
VD-2668 - Regional Groundwater Storage and Recovery	268
CS-936 - Advanced Meter Infrastructure	229
VD-2552 - Alameda Siphon No. 4 Project	229
H-935B - San Joaquin Pipeline System - Western Segment	226
VD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
VD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
VD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
VD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
IH-935A - San Joaquin Pipeline System - Crossovers	186
VD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
VD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
VD-2513 - San Andreas Pipeline No.3 Installation Project	178
VD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
VD-2575 - San Antonio Backup Pipeline	132
VD-2591 - Lower Crystal Springs Dam Improvements	125
VD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
VD-2555 - Crystal Springs Pipeline No.2 Replacement Project	98
VD-2621R - San Francisco Groundwater Supply Well Stations	97
VD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
VD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
VD-2556 - Baden and San Pedro Valve Lot Improvements	86
H-914R - Roselle Crossover Improvements	72 7(
VD-2566 - San Antonio Pump Station Upgrades Project VD-2623 - Harding Park Recycled Water Project	6
VD-2623 - Haiding Faik Recycled Water Folect VD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	6
VD-2203 rt - 1 clinisula 2011 Watershou compensation, onerwood Folint, Adobe Galeri Greek, okynne Qdary, ok	6
H-953 - Tesla Portal Protection	59
VD-2543 - North University Mound System Upgrade	5
VD-2529 - Noe Valley Transmission Main - Phase II	4
VD-2829R - San Andreas Pipeline No. 2 Replacement	4
VD-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bay Division Pipeline No. 5, Cordilleras Microtunnel	4
VD-2654R - Peninsula Vegetation Removal	34
VD-2511 - Standby Power Facilities, Various Locations	3
VD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	3
VD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	2
VD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassla	2
VD-2600 - Regional Groundwater Storage and Recovery Proiect- Test Well Drilling	2
VD-2622 - San Francisco Groundwater Supply Pipeline	2
VD-2798 - San Francisco Westside Recycled Water Pipeline	2
VD-2809 - San Francisco Groundwater Supply Phase 2	1
VD-2852R - San Francisco Westside Recycled Water Irrigation System Retrofits	
VD-2882 - Trousdale Oaks Trees Removal	
VD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	

Legislative History of the WSIP PLA

On April 8, 2003, the San Francisco Board of Supervisors adopted Resolution 223-03 urging the SFPUC to develop plans for a Project Labor Agreement covering the capital improvement program to rehabilitate, repair, and upgrade the Hetch Hetchy Water System.

On May 20, 2003, the San Francisco Board of Supervisors adopted Resolution 350-03 urging the SFPUC to include social justice components in the Project Labor Agreement covering the Hetch Hetchy Water System upgrade.

On May 11, 2006, the San Francisco Board of Supervisors amended the San Francisco Administrative Code to establish a PUC Small firm Advisory Committee to provide for the certification of small construction contractors located outside San Francisco and within the SFPUC service territory for work on SFPUC construction projects, including those covered by the WSIP PLA.

On March 28, 2006, the SFPUC adopted Resolution No. 06-0049 to authorize SFPUC staff to commence negotiations with the various craft labor unions for a project labor agreement covering the Water System Improvement Program. Resolution No. 06-0049 concluded that the governmental interests of the SFPUC were furthered by a project labor agreement as follows:

"There are numerous advantages in moving forward on the negotiation of a PLA, which include but are not limited to the following: creates framework for labor harmony; militates against construction delays; assures steady supply of qualified labor; provides employment, career, and local business opportunities; and, other benefits ..."

On March 26, 2007, the SFPUC approved the negotiated agreement, called the Water System Improvement Program Project Labor Agreement (the WSIP PLA). The WSIP PLA requires construction contractors to utilize workers dispatched by signatory unions, and prohibits the unions and contractors from participating in strikes, lockouts, or other disruptions to the work. The WSIP PLA provides a procedure for adjudicating conflicting jurisdictional claims between the unions, provides for uniform hours of work, overtime, shifts and holidays, encourages the recruitment and training of low-income residents of the SFPUC service territory, and requires substance abuse testing for all covered workers. The first implementation of the WSIP PLA was on contract WD-2504, the Stanford Heights Reservoir Seismic Retrofit and Improvement project which the SFPUC awarded to S.J. Amoroso Construction Co., LLC, on June 26, 2007, in the amount of \$17,899,960.

Governance

The parties to the WSIP PLA have established a four person Joint Administrative Committee that reviews the implementation of the agreement and the progress of the covered projects, and resolves problems and grievances that arise in connection with the agreement. The SFPUC administers the agreement under the direction of the Joint Administrative Committee.

The Joint Administrative Committee has established the Jobs Training Opportunities Program to promote the employment and training of San Francisco and SFPUC Service Territory residents on WSIP projects.

Pre-Job Conferences and Jurisdictional Disputes

Prior to the commencement of construction, representatives of the participating contractors and subcontractors, the Unions, and the SFPUC, are mandated to attend a pre-job conference held at the offices of the SFPUC or the offices of the local Building and Construction Trades Council. At the pre-job conference each contractor and subcontractor describes the scope of their work and assigns the work on the basis of traditional craft jurisdictional lines. When conflicting claims for work are submitted to a contractor, the WSIP PLA's Jurisdictional Dispute Resolution procedure is invoked to prevent delay or disruption in the work due to jurisdictional disputes.

Web-Based Labor Compliance Program

All SFPUC construction projects including those covered by the WSIP PLA utilize the City's web-based labor compliance program (LCPtracker, Inc.) which allows contractors to submit their weekly certified payroll reports electronically over the internet. LCPtracker's electronic certified payrolls are used to produce the employment data included in this report.