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WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

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

San Francisco Public Utilities Commission
Water System Improvement Program Project Labor Agreement
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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.

Region of Worker Residence	Inception Through September 30, 2021			
	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

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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.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending September 30, 2021			
	Worker Count	Sum of Hours	Sum 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

*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.

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Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through September 30, 2021					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
04/13/21	WD-2825R	Anvil Builders, Inc	Alameda Creek Recapture	\$22 Million	\$ 19,511,500
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation System	\$3 Million	\$ 2,483,525
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station	\$20 Million	\$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Channel	\$5.8 Million	\$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facility	\$70 to 80 Million	\$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	\$30 Million	\$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pond	\$5.9 to \$6.7 Million	\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million	\$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas	\$6.4 Million	\$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemanay Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
Total 59 Projects					\$ 2,238,339,455

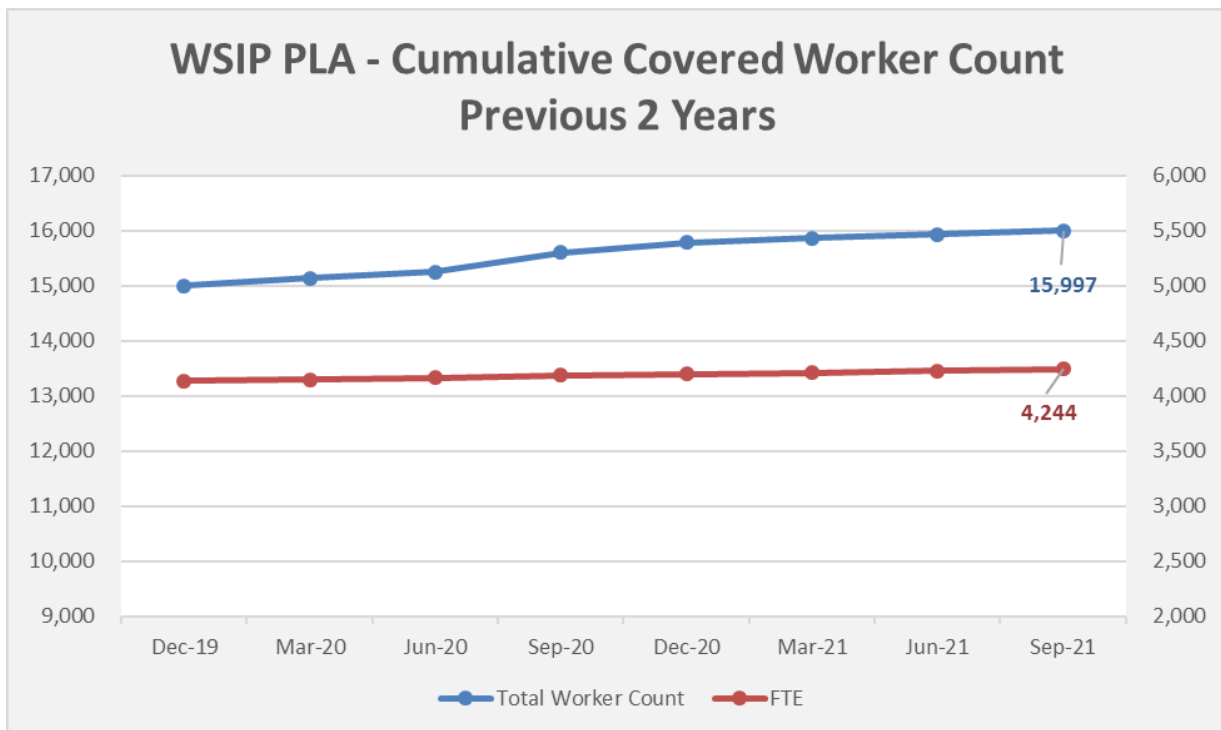
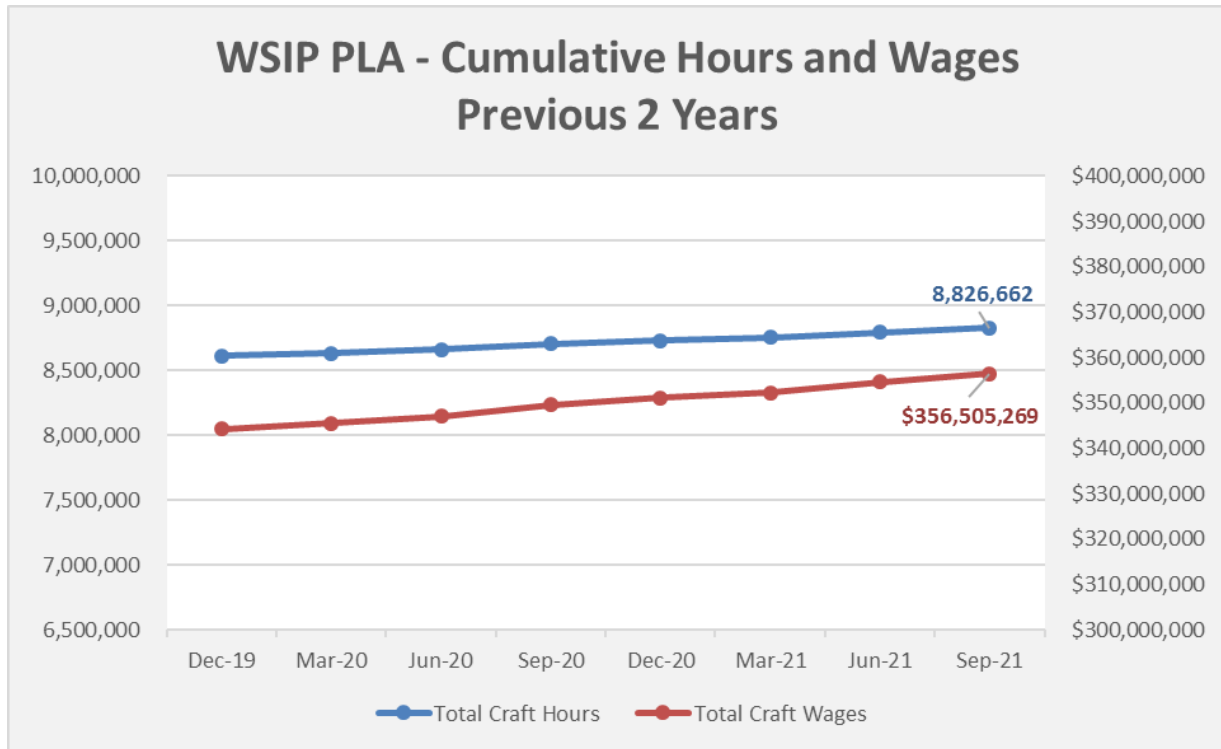
* indicates projects located in San Francisco

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Summary Charts

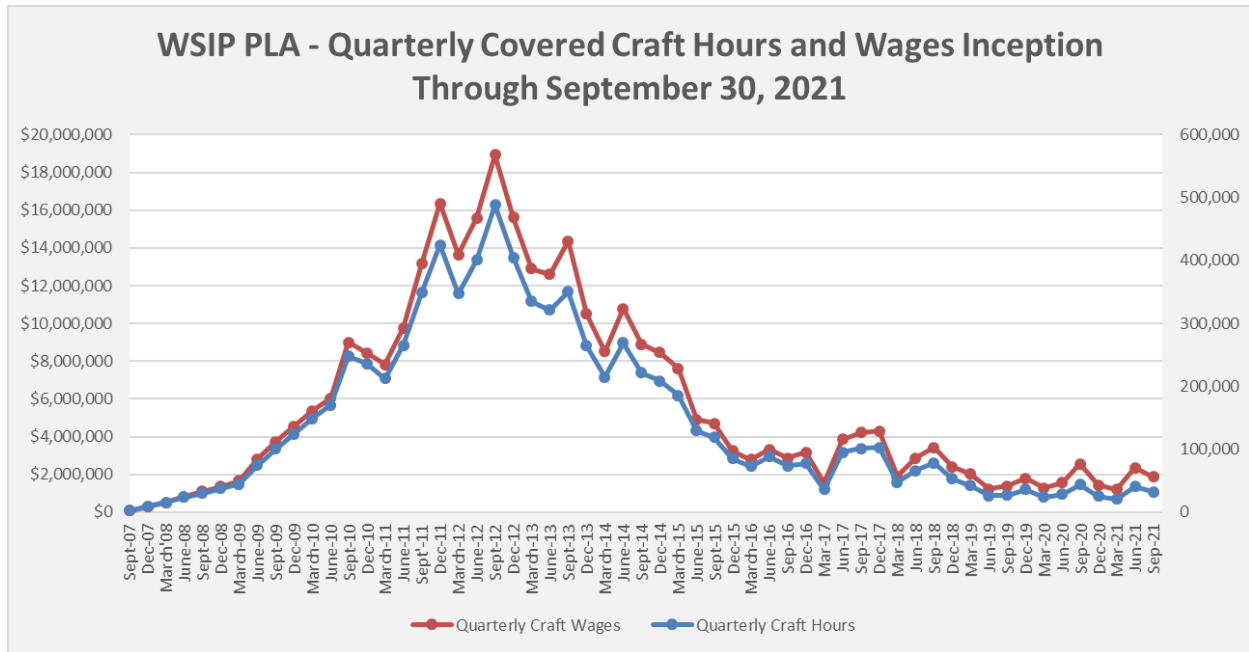
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending September 30, 2021, 15,997 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,826,662 craft hours and \$356,505,269 in craft wages.

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

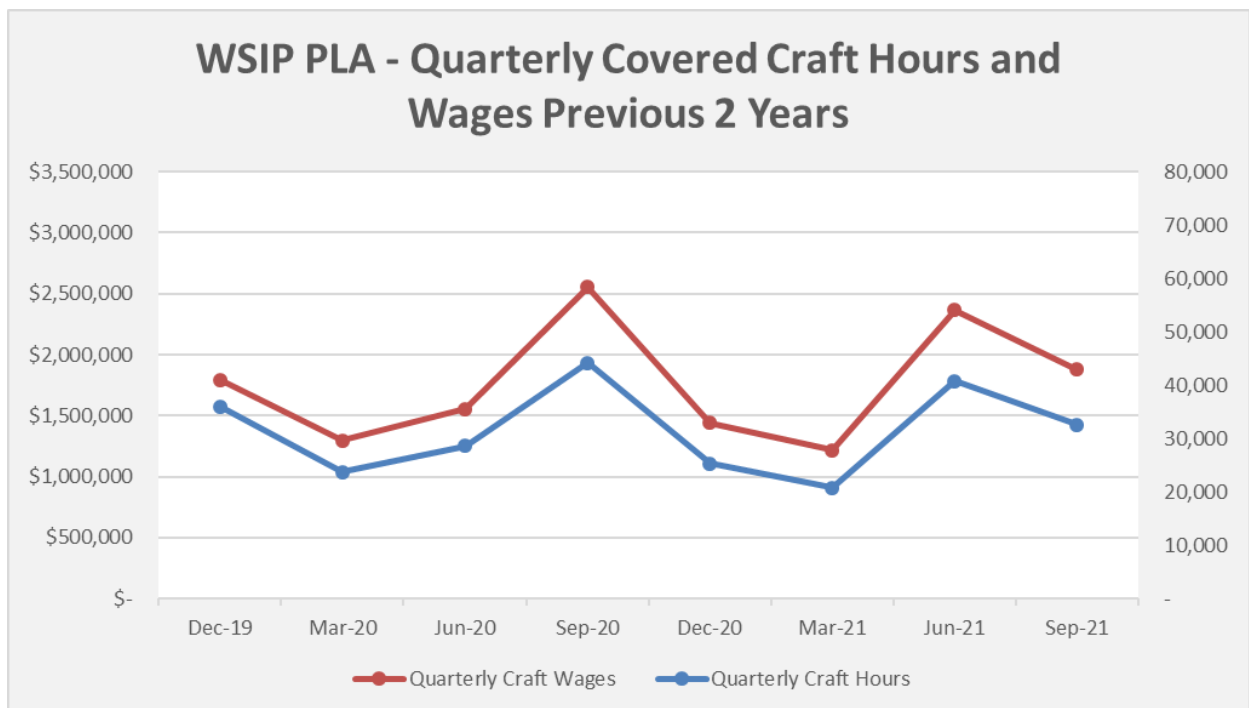


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98.9% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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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.

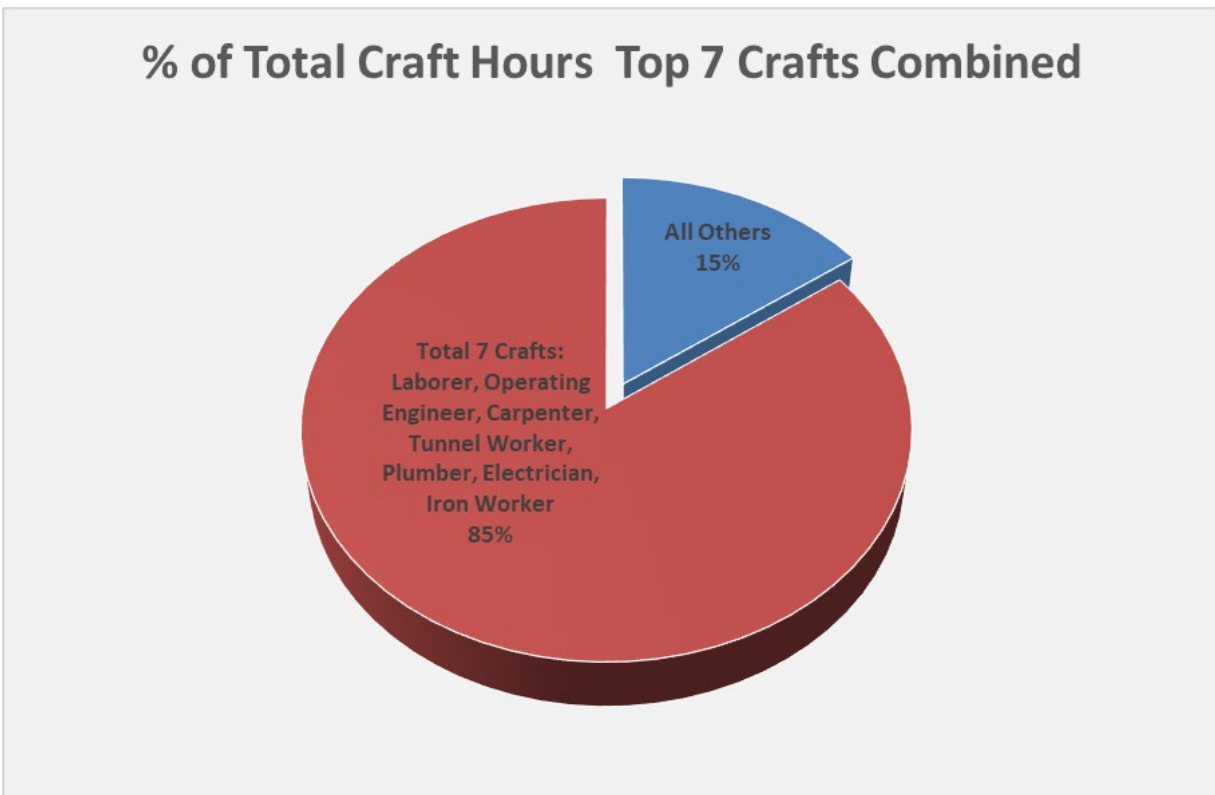
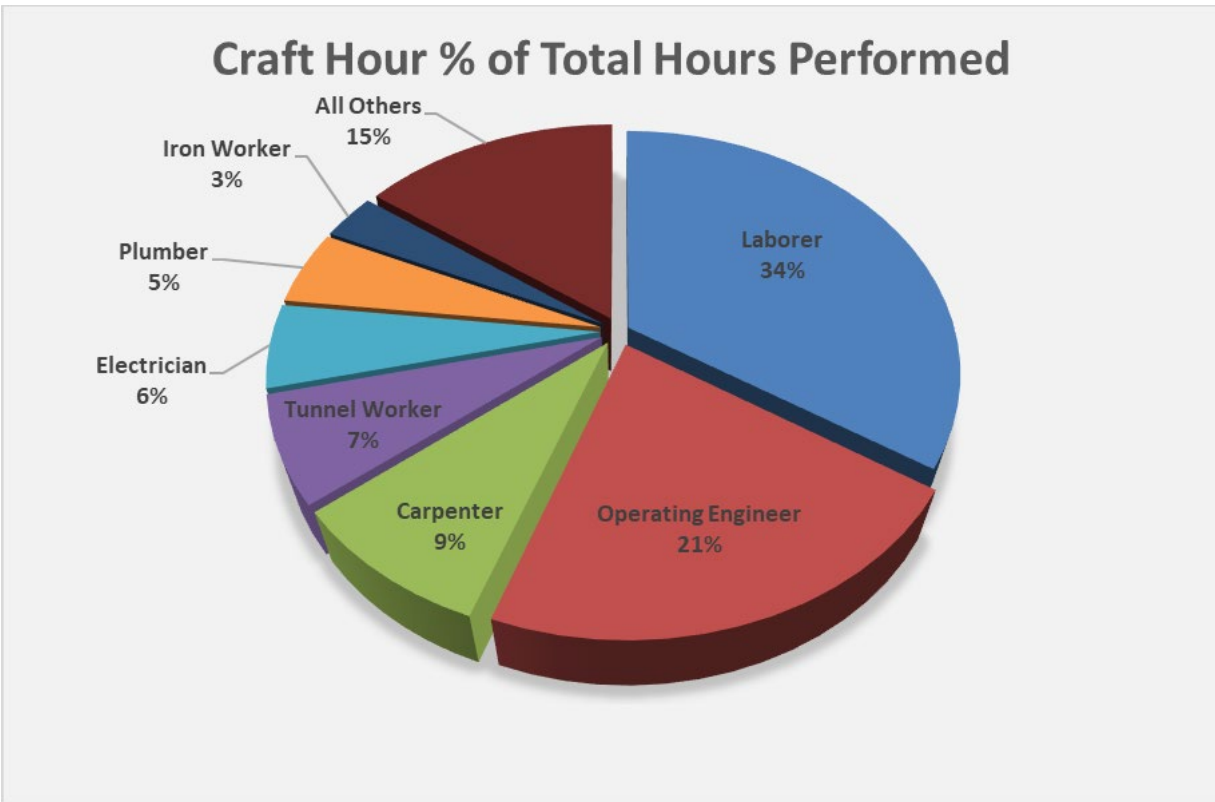
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

Cumulative Employment by Craft					
Inception Through September 30, 2021					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
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

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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.



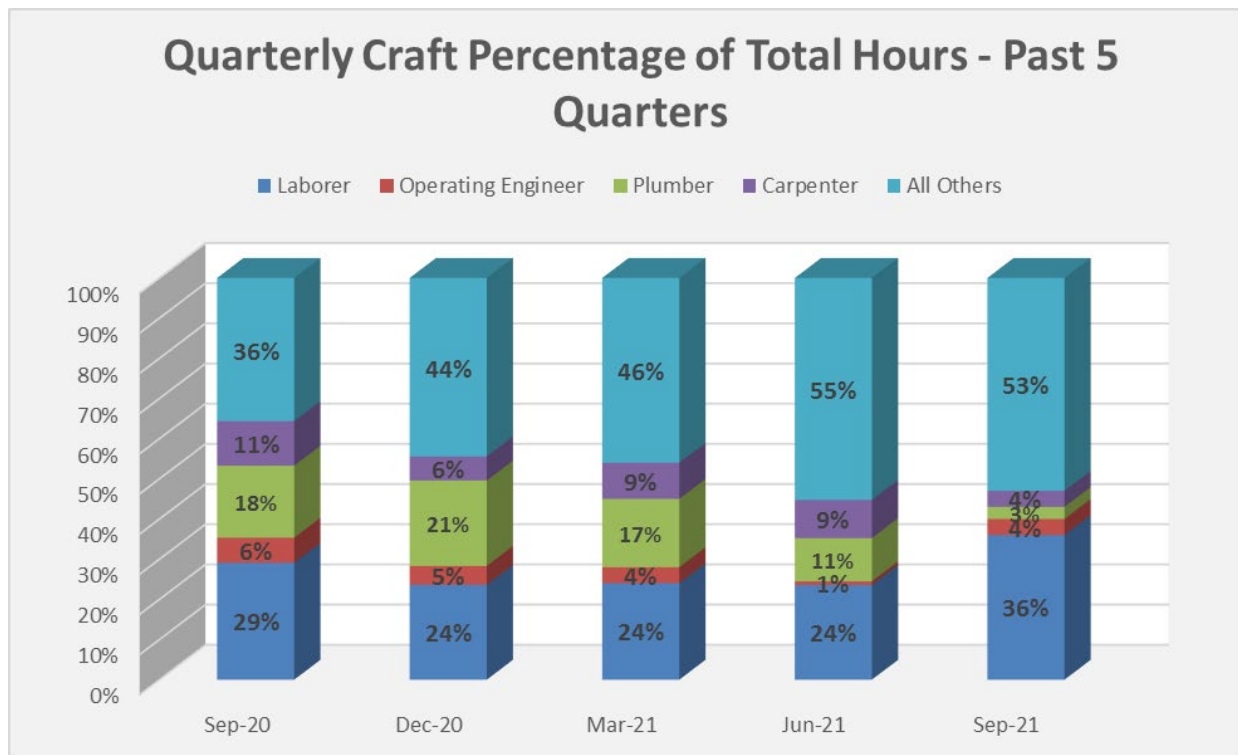
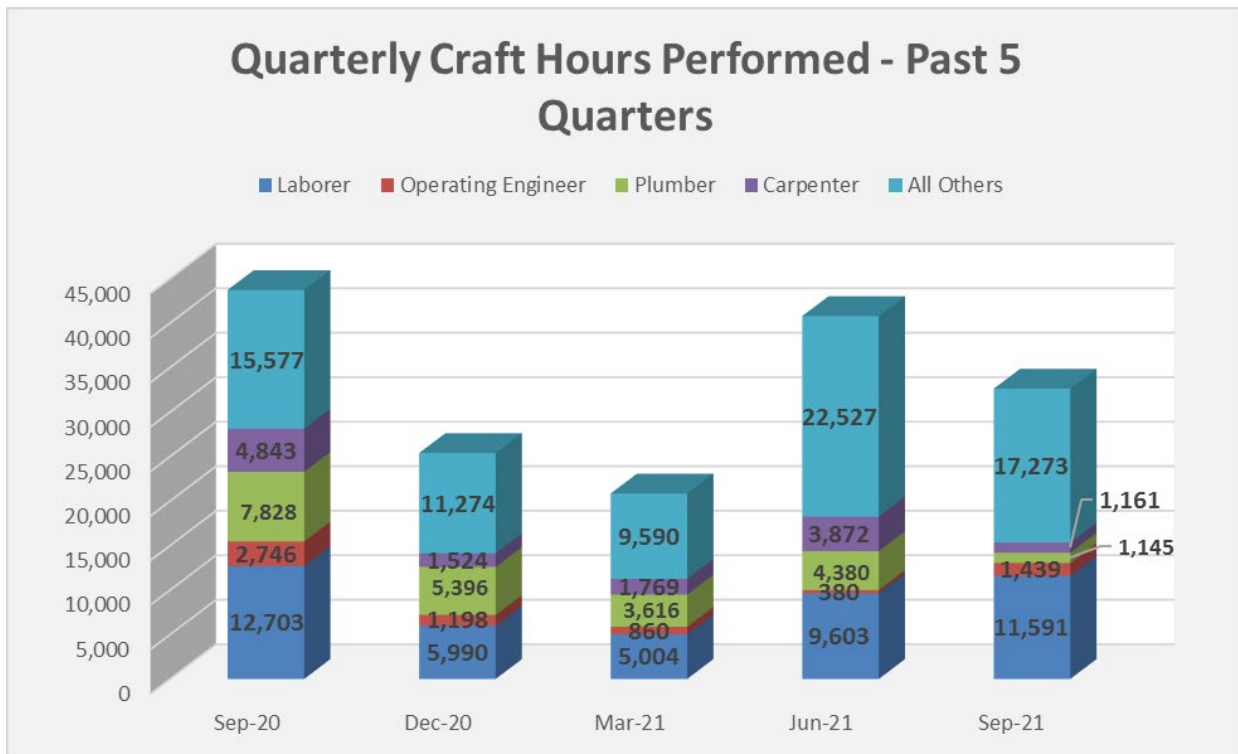
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 9-30-2021 Hours	Quarter 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	-	\$ -
Elevator	222	\$ 14,842	16	\$ 1,154
Terrazzo Worker	199	\$ 8,163	-	\$ -
Sprinkler Fitter	136	\$ 9,238	8	\$ 470
Marble Finisher	40	\$ 1,342	-	\$ -
Terrazzo Finisher	4	\$ 160	-	\$ -
	8,365,460	332,493,433	32,548	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) (Specialized)	95,289	\$ 4,512,513	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	79,393	\$ 3,676,393	-	\$ -
Asbestos Removal Worker (Laborer)	17,121	\$ 437,612	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	13,201	\$ 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 - Heavy And Highway Work)	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	\$ 10,082	-	\$ -
Ironworker (Db)	80	\$ 2,772	-	\$ -
Teamster (Special Single Shift Rate)	11	\$ 291	-	\$ -
Total Non-Apprenticeable	461,201	\$ 24,011,836	61	\$ 1,714
Total Apprenticable	8,365,460	\$ 332,493,433	32,548	\$ 1,875,110
Total WSIP PLA	8,826,662	\$ 356,505,269	32,609	\$ 1,876,824

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

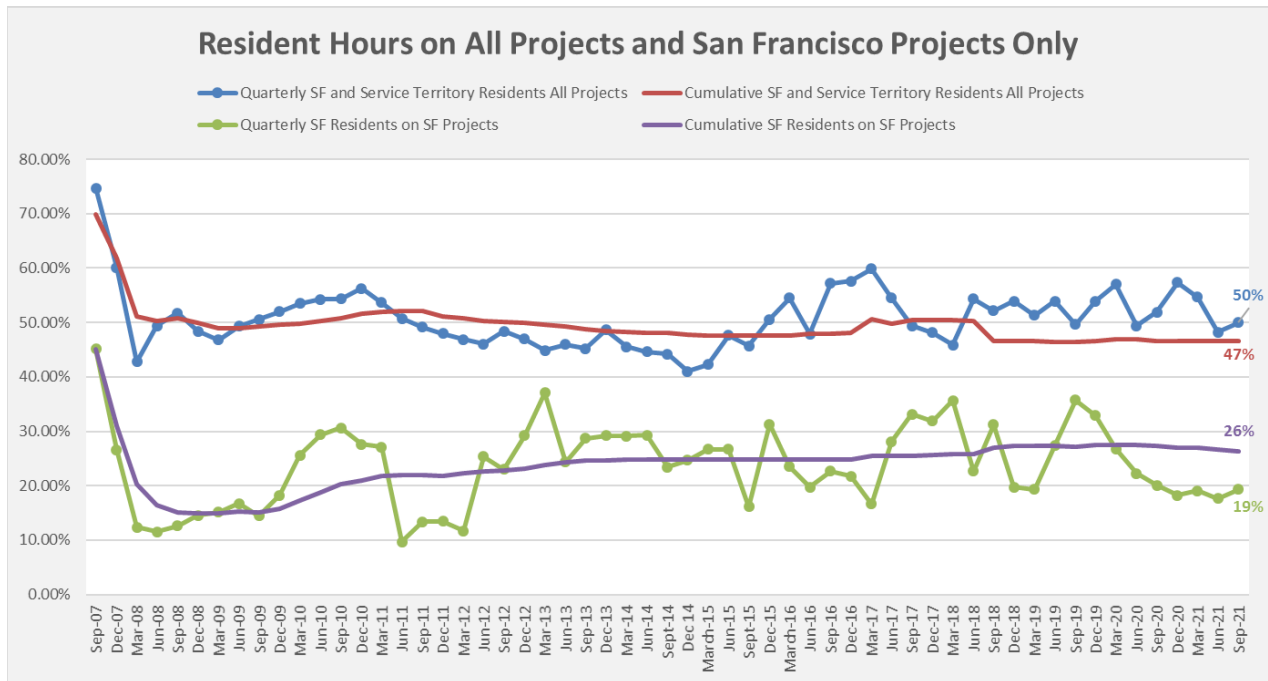


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Worker Residence on the WSIP PLA

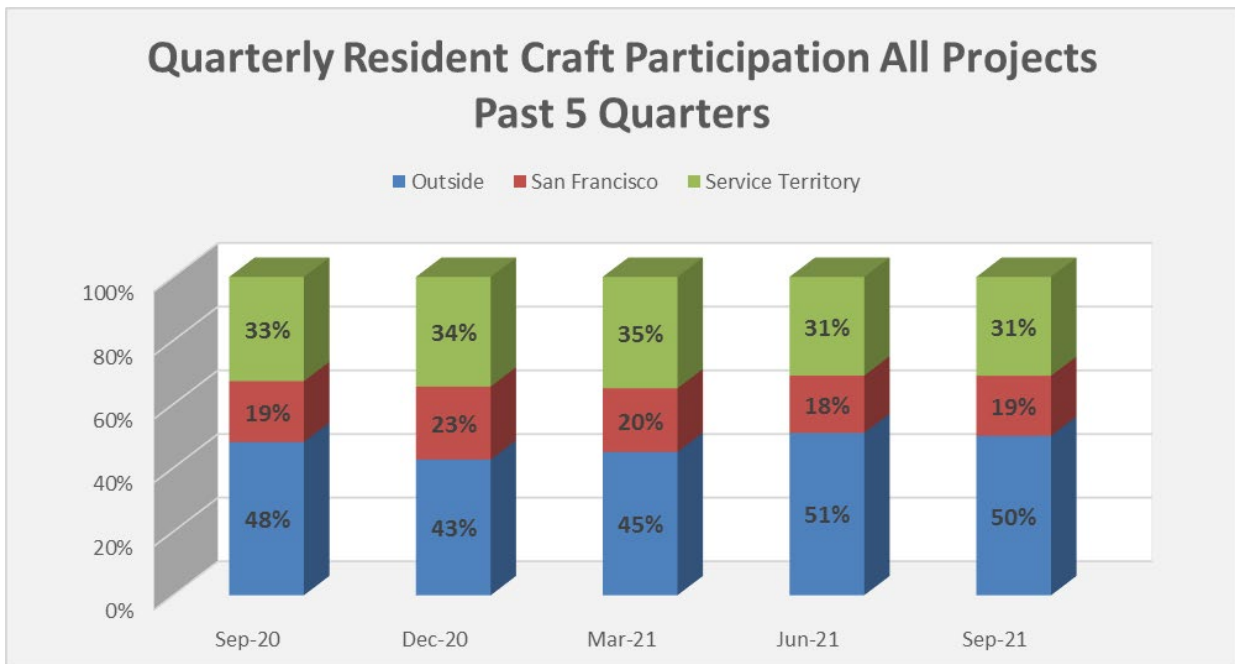
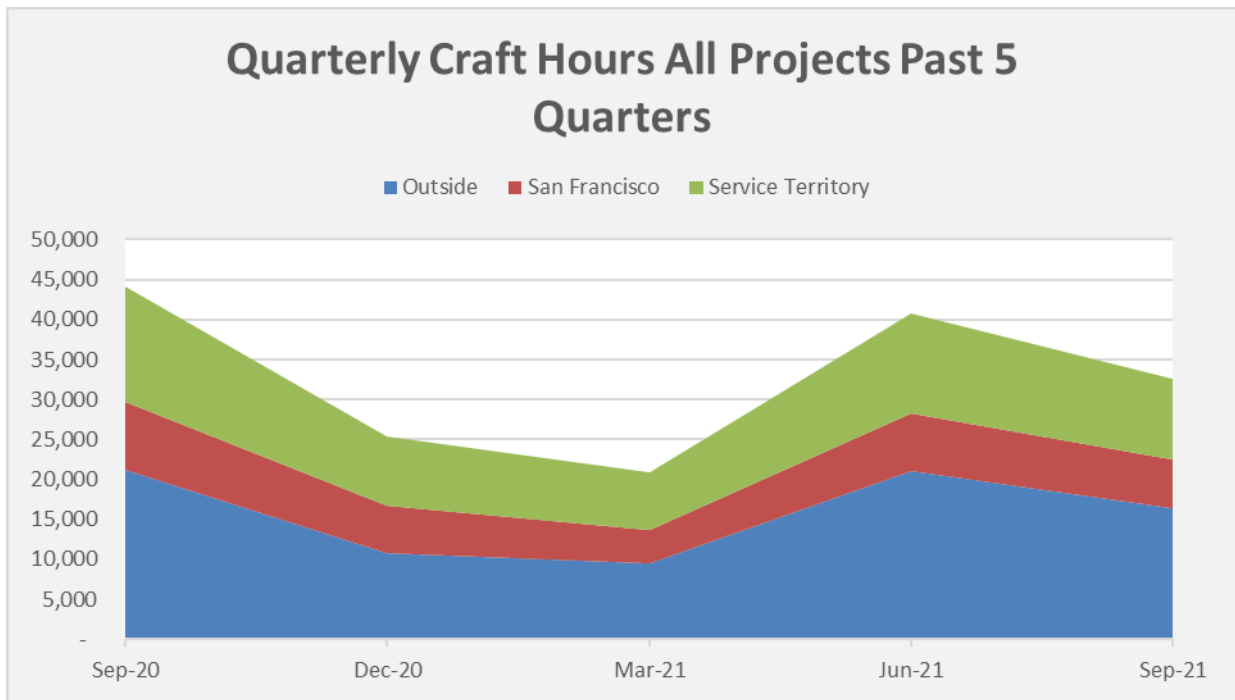
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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.



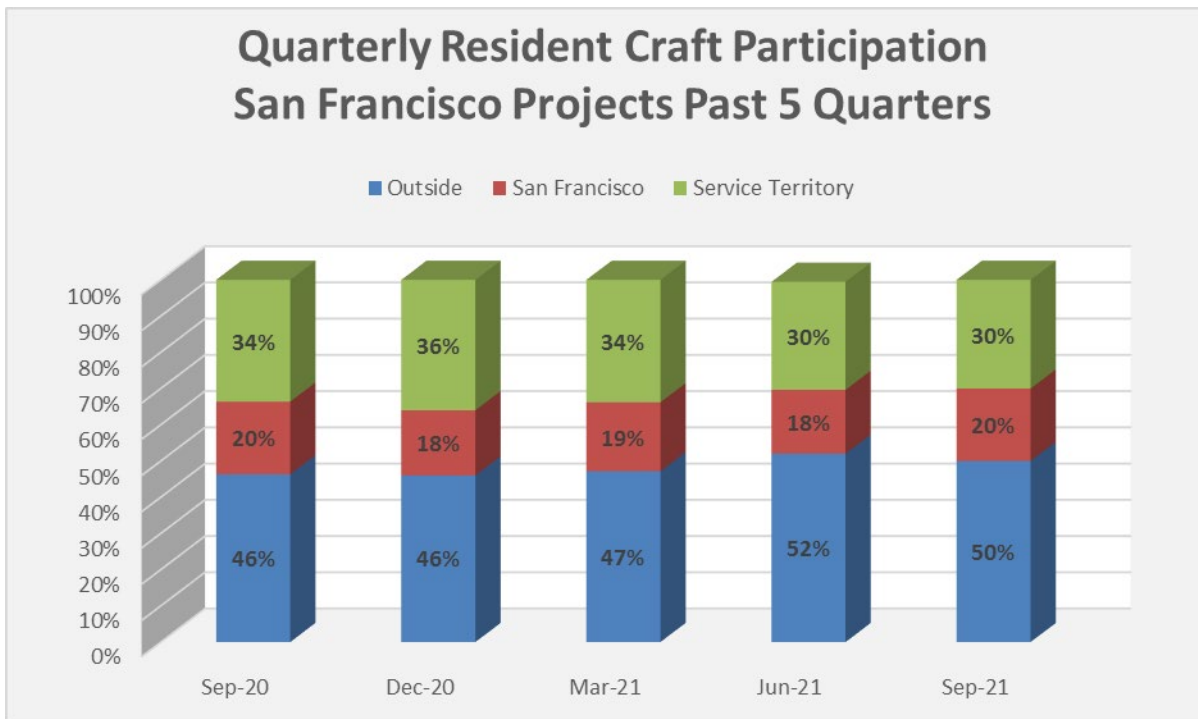
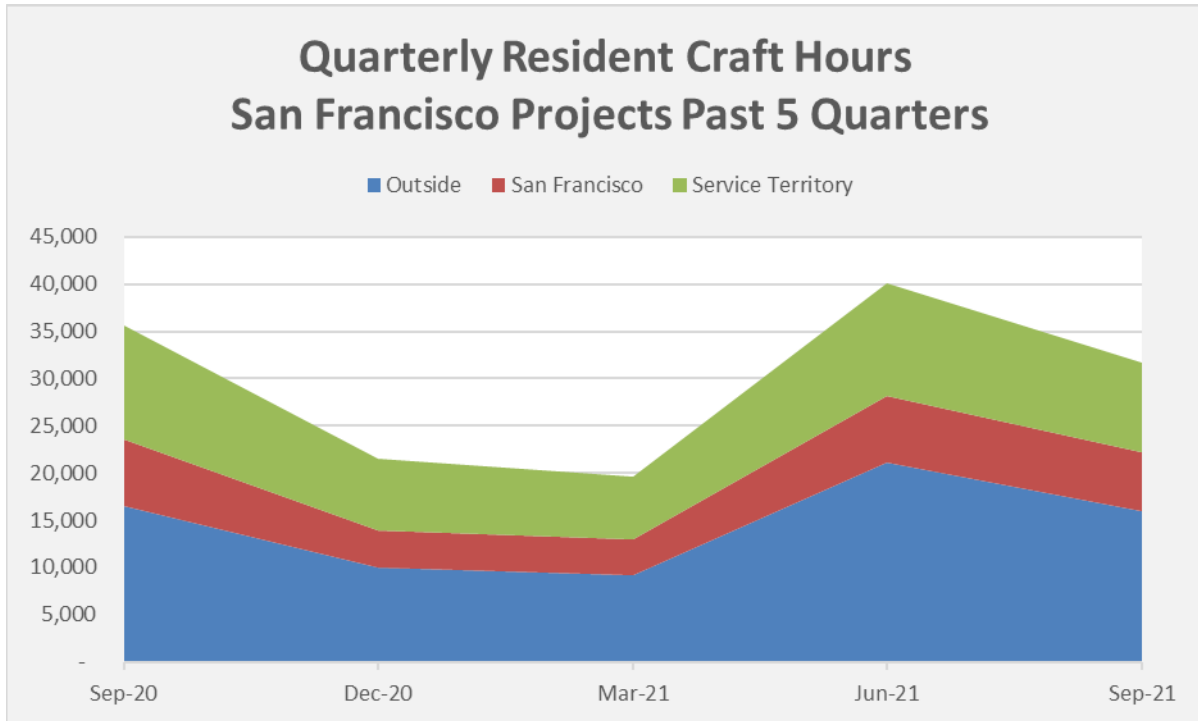
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Residence on ALL WSIP PLA Projects - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



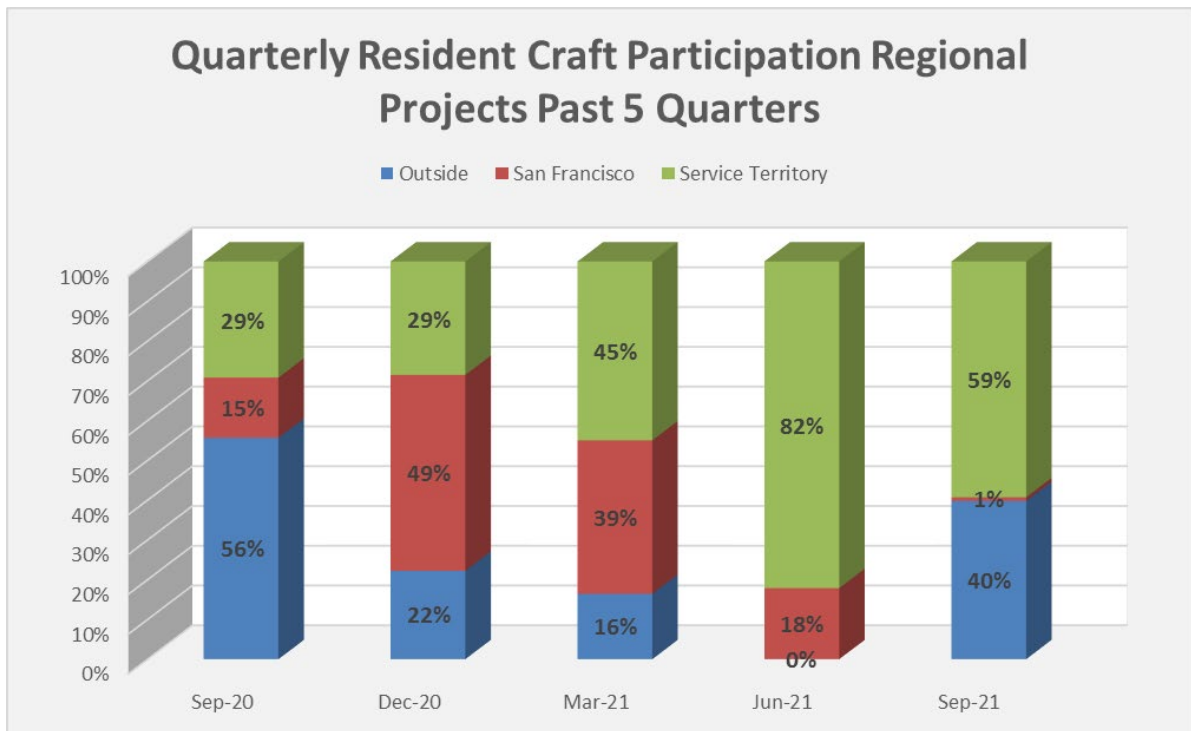
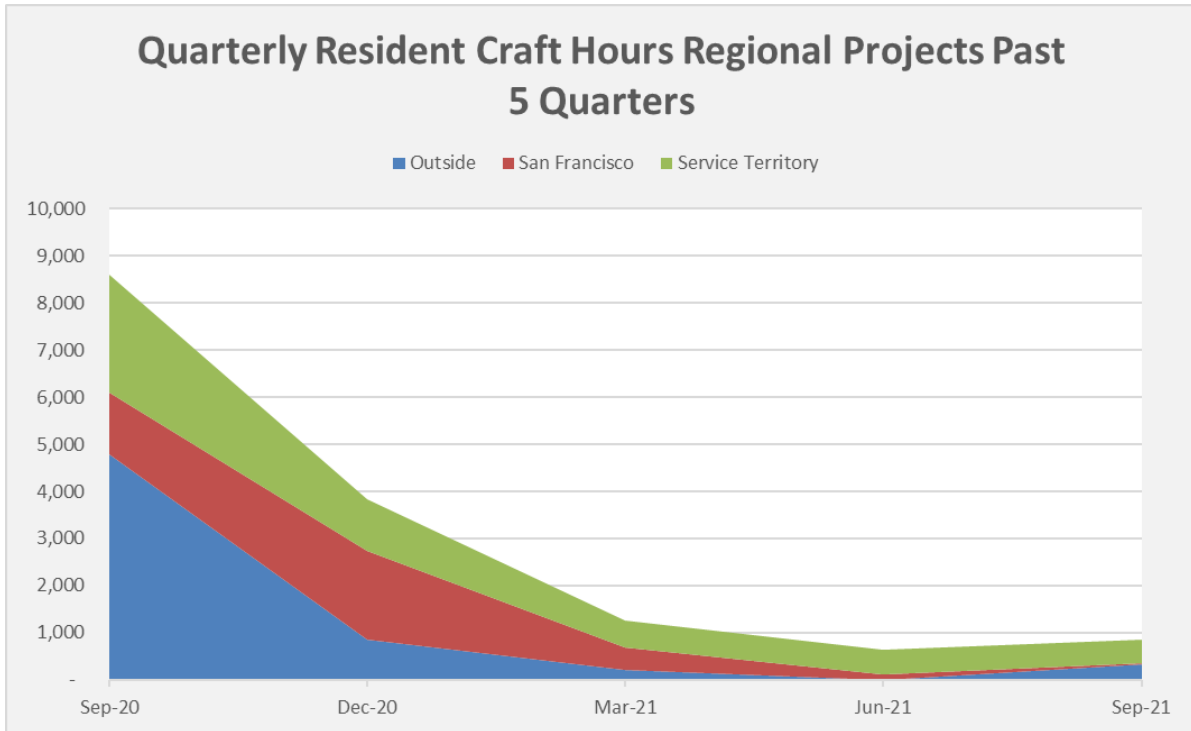
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.



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



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Residence by County

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence					
Inception Through September 30, 2021					
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

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San Francisco Residents by Zip Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through September 30, 2021					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	126,516	\$ 4,701,432	19.5%	255	61
94124	107,209	\$ 4,405,175	16.5%	299	52
94116	86,689	\$ 4,101,697	13.4%	95	42
94110	86,364	\$ 3,073,982	13.3%	198	42
94134	41,659	\$ 1,278,290	6.4%	129	20
94122	37,654	\$ 1,832,778	5.8%	83	18
94103	24,477	\$ 750,146	3.8%	44	12
94121	21,340	\$ 905,845	3.3%	64	10
94118	16,742	\$ 801,168	2.6%	24	8
94127	15,914	\$ 734,369	2.5%	24	8
94132	10,951	\$ 443,053	1.7%	38	5
94117	10,718	\$ 291,982	1.7%	18	5
94107	10,325	\$ 393,168	1.6%	33	5
94102	8,852	\$ 387,998	1.4%	23	4
94131	8,279	\$ 292,395	1.3%	32	4
94133	7,770	\$ 310,853	1.2%	15	4
94109	5,078	\$ 162,541	0.8%	25	2
94114	4,468	\$ 196,812	0.7%	18	2
94108	4,194	\$ 144,211	0.6%	9	2
94115	3,521	\$ 130,835	0.5%	30	2
94130	3,179	\$ 67,807	0.5%	12	2
94142	1,740	\$ 68,149	0.3%	7	1
94111	915	\$ 21,546	0.1%	3	0
94123	897	\$ 42,020	0.1%	4	0
94105	781	\$ 34,874	0.1%	9	0
94104	677	\$ 22,206	0.1%	3	0
94129	447	\$ 14,182	0.1%	1	0
94188	366	\$ 9,790	0.1%	3	0
94140	288	\$ 11,589	0.0%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94158	118	\$ 6,367	0.0%	6	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
Total	648,568	\$ 25,651,055	100.0%	1,505	312
WSIP-PLA Total	8,794,053	\$ 354,628,445	-	15,997	4,228

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Residence by Craft

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through September 30, 2021							
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%	18.3%	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%
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 Work)	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-Heavy)	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-Heavy)	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 Engineer)	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 (Laborer)	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	8,826,662	648,568	3,470,611	4,707,483	7.3%	39.3%	53.3%

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Residence by Project

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project Craft Employment Summary Through September 30, 2021							
Project	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 Upgrade	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	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%
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	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	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	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1%
WD-2573 - Pulgas Balancing Reservoir Structural Rehab	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,201	13,222	30,486	8.8%	27.6%	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	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	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%
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 Channel	8,209	291	3,270	4,648	3.5%	39.8%	56.6%
WD-2852R - SF Westside Recycled Water Irrigation System Retrofits	6,426	2,160	1,925	2,341	33.6%	30.0%	36.4%
WD-2600 - Regional Groundwater Storage and Recovery Project- Test	6,088	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	561	0	245	316	0.0%	43.7%	56.3%
Total WSIP PLAs	8,826,662	648,568	3,470,611	4,707,483	7.3%	39.3%	53.3%

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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.

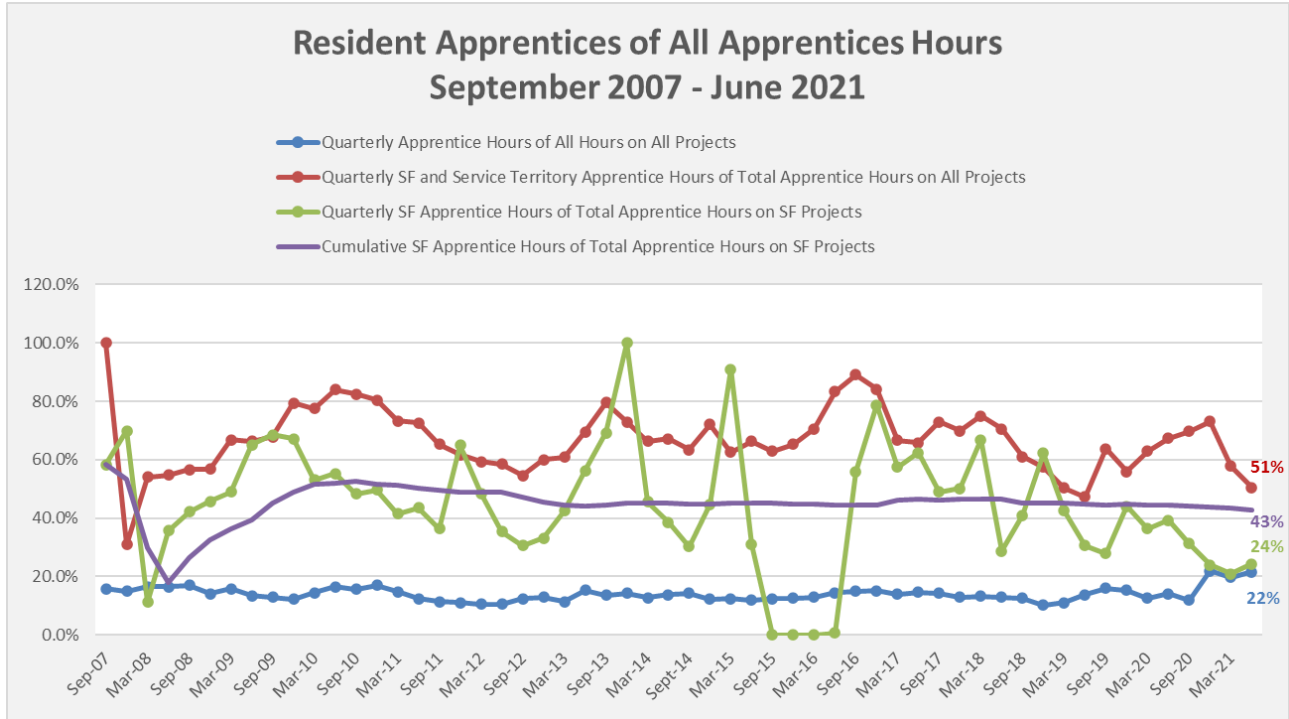
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.3% of apprentice hours were worked by San Francisco residents and 52.9% were worked by residents of the Regional Service Territory, or 69.2% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			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										

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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.



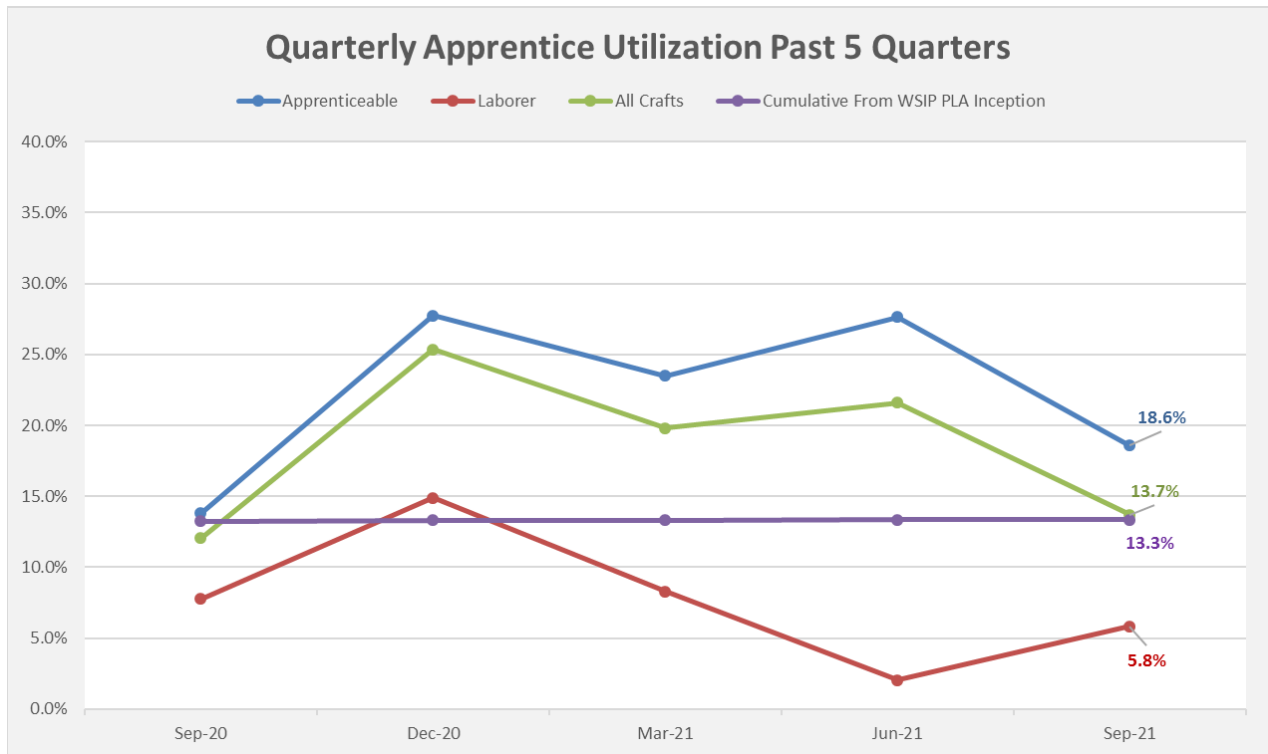
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization by Project Inception Through September 30, 2021											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	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 Facility	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 In	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 Springs	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 Pipe	26,553	17,167	49	9,337	26,504	2,888	19	2,907	16.8%	0.2%	11.0%
WD-2529 - Noe Valley Transm	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%	10.9%
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%	17.9%
WD-2555 - Crystal Springs Pk	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2556 - Baden and San Ped	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%
WD-2564 - HTWTP - Short Ter	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	10.3%
WD-2566 - San Antonio Pump	52,623	31,711	-	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%
WD-2568 - BDPL Nos. 3&4 Cr	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2573 - Pulgas Balancing R	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
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%	8.9%
WD-2581 - New Inington Tunne	134,349	73,390	1,614	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	16.3%
WD-2582 - Sunol Valley Water	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2589 - SCADA System Ph	208,058	88,905	12,802	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%	10.3%
WD-2591 - Lower Crystal Sprin	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2596 - HTWTP Long-Term	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%
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%	12.5%
WD-2601 - Crystal Springs / Sa	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	10.8%
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%	12.1%
WD-2622 - SF Groundwater Su	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-2627R - Sutro Reservoir Re	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
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%	10.2%
WD-2640 - Bioregional Habitat	110,655	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	19.1%
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%	10.5%
WD-2651R - Peninsula 2011 W	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
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%	8.2%
WD-2654R - Peninsula Vegeta	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2665 - Bav Division Pipelin	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	6.5%
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%	6.6%
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%	11.4%	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%	0.0%
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	8,356,994	-	-	1,115,032	0.0%	0.0%	13.3%
WD-2852R - SF Westside Rec	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WSIP - Covered by PLA (58 Pr	8,826,662	5,351,997	461,201	3,013,464	16,713,989	708,640	406,392	2,230,063	13.2%	13.5%	13.3%

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



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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.

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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 Project	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 Project	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 Project	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 Project - Bay 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 Grassia	23
WD-2600 - Regional Groundwater Storage and Recovery Project- 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

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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.

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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.



HETCH HETCHY
WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

Quarterly Report
Quarter Ended December 31, 2021
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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.

Region of Worker Residence	Inception Through December 31, 2021			
	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

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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.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending December 31, 2021			
	Worker Count	Sum of Hours	Sum 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

*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.

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Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through December 31, 2021					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
04/13/21	WD-2825R	Anvil Builders, Inc	Alameda Creek Recapture	\$22 Million	\$ 19,511,500
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation System	\$3 Million	\$ 2,483,525
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station	\$20 Million	\$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Channel	\$5.8 Million	\$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facility	\$70 to 80 Million	\$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	\$30 Million	\$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pond	\$5.9 to \$6.7 Million	\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million	\$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas	\$6.4 Million	\$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
06/14/11	HH-935C	Contri Constnction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
Total 59 Projects					\$ 2,238,339,455

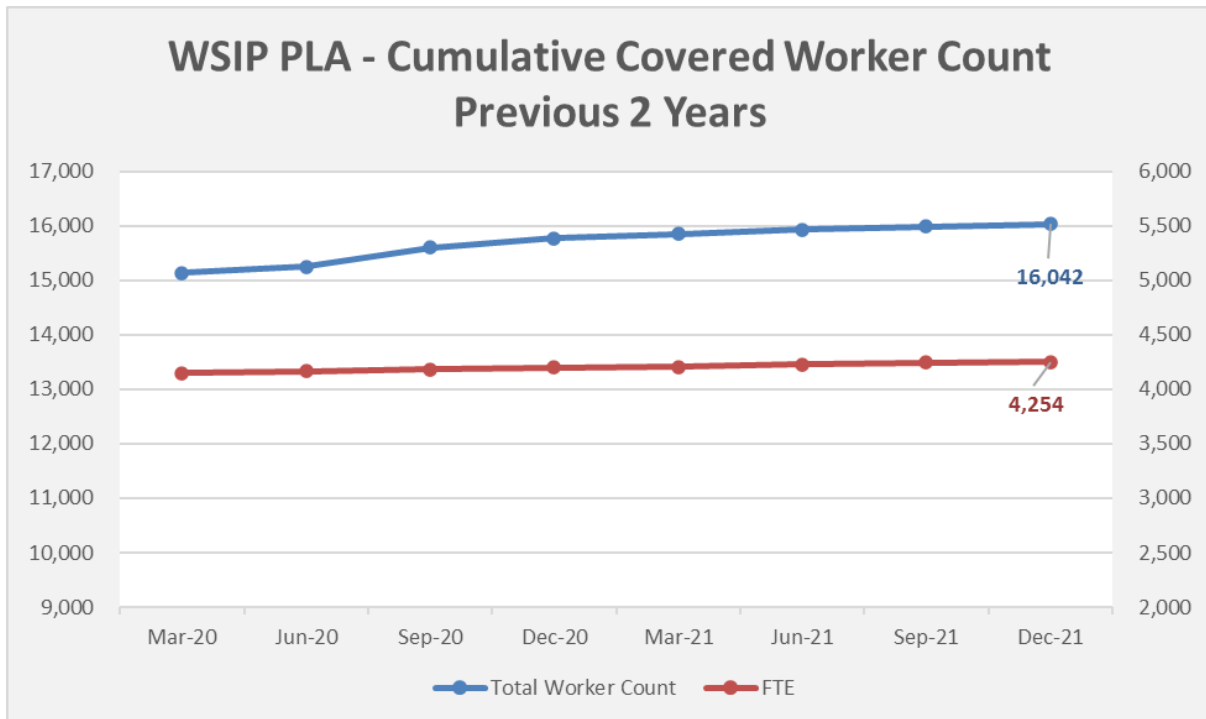
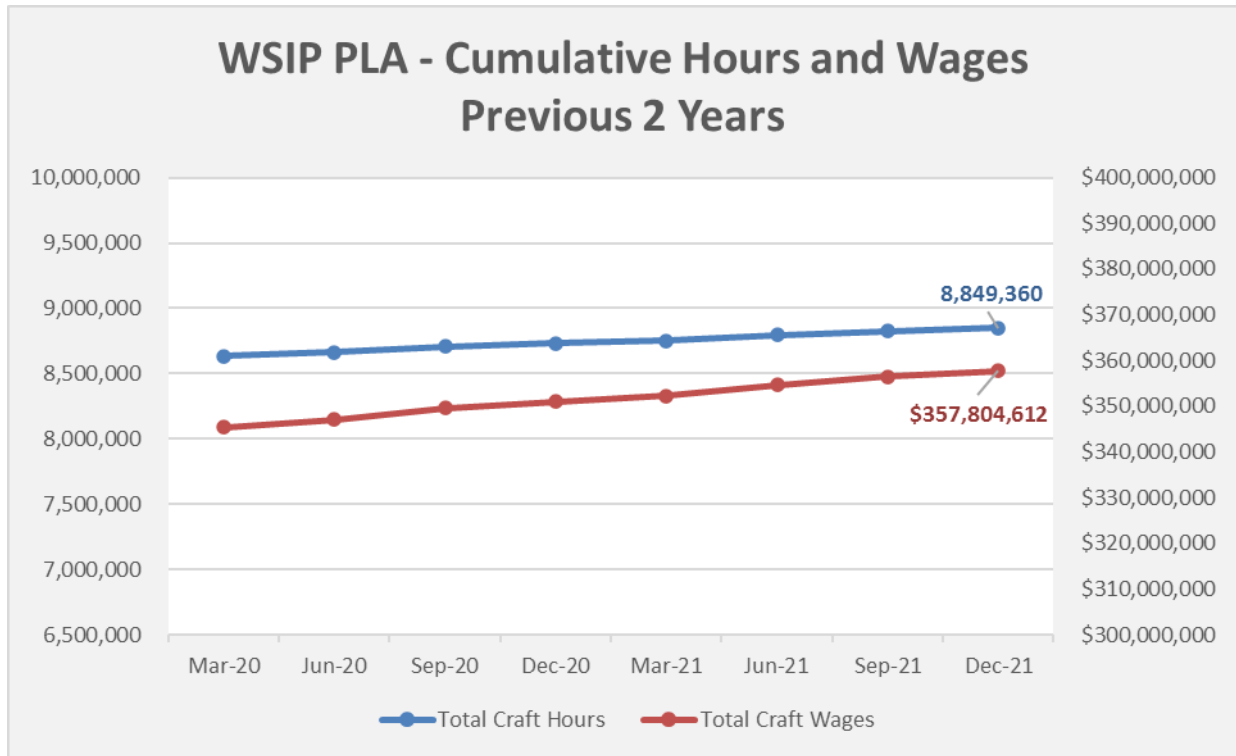
* indicates projects located in San Francisco

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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.

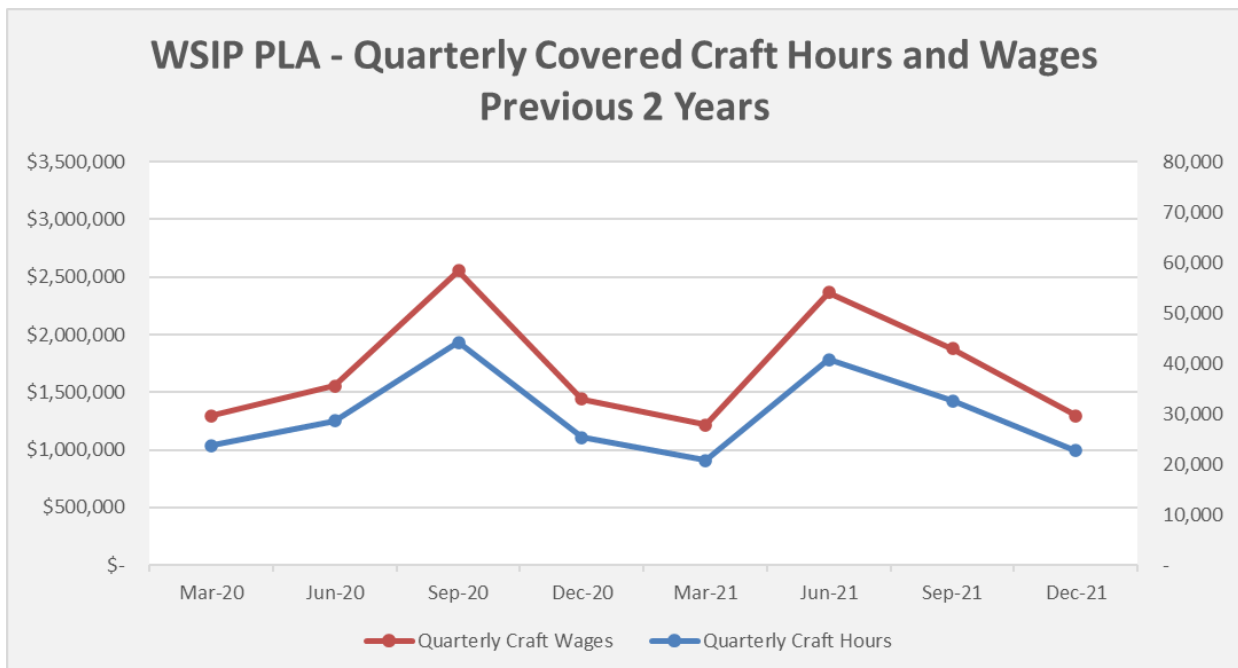


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98.9% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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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.

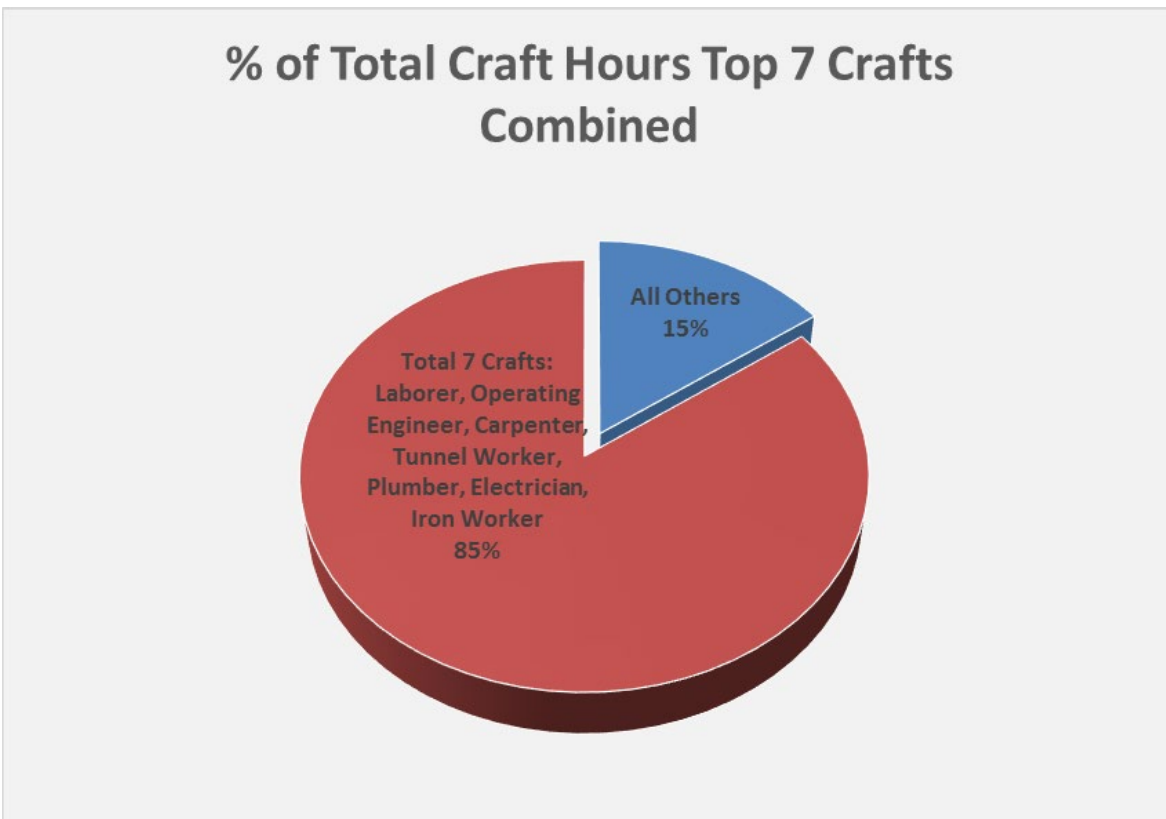
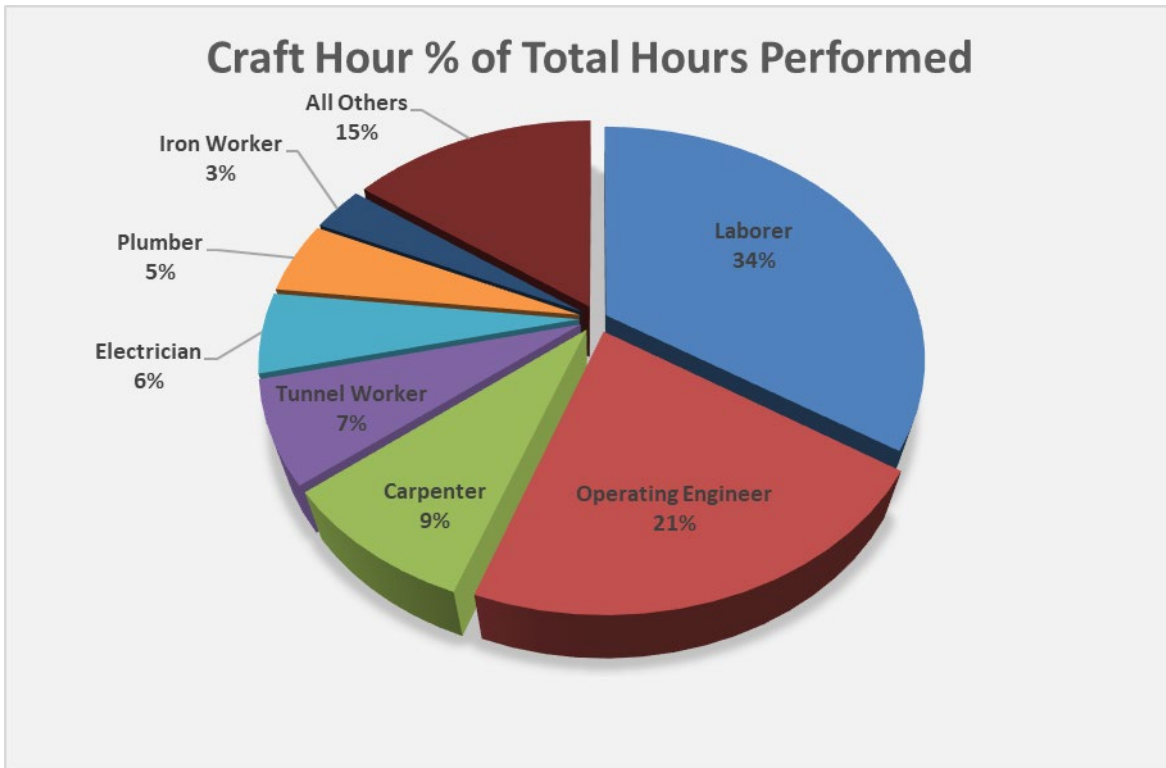
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

Cumulative Employment by Craft					
Inception Through December 31, 2021					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of 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

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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.



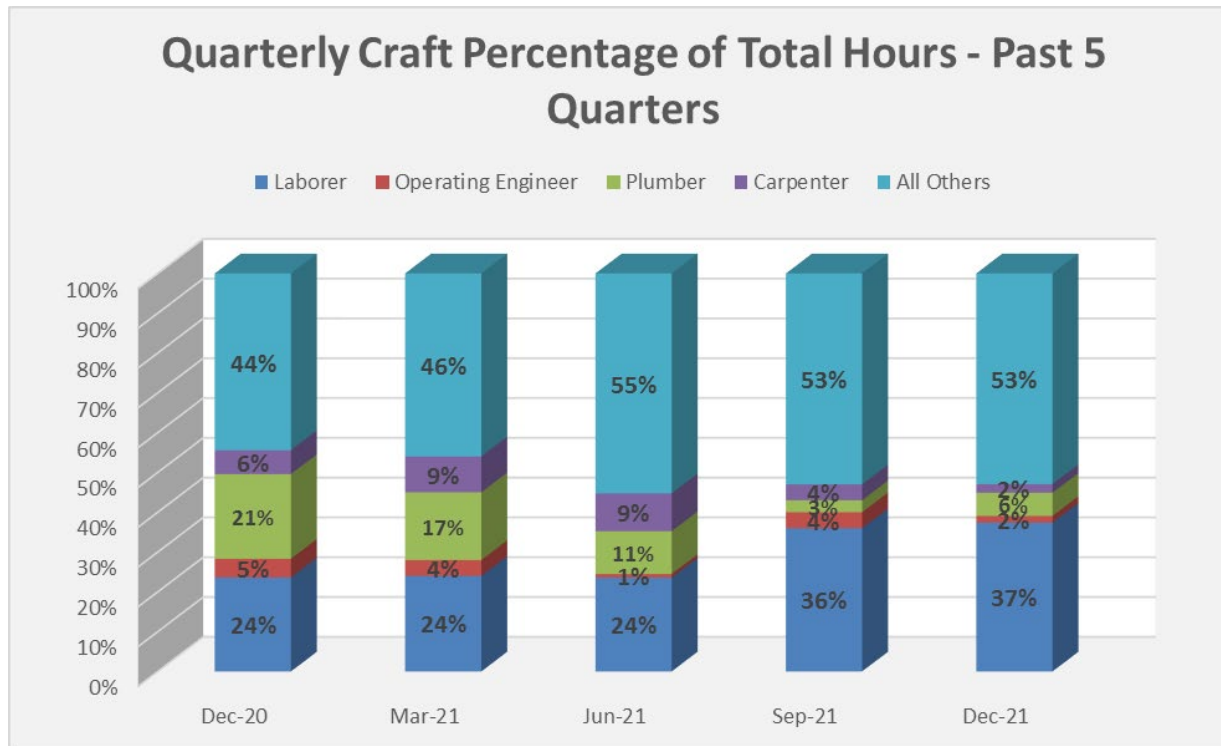
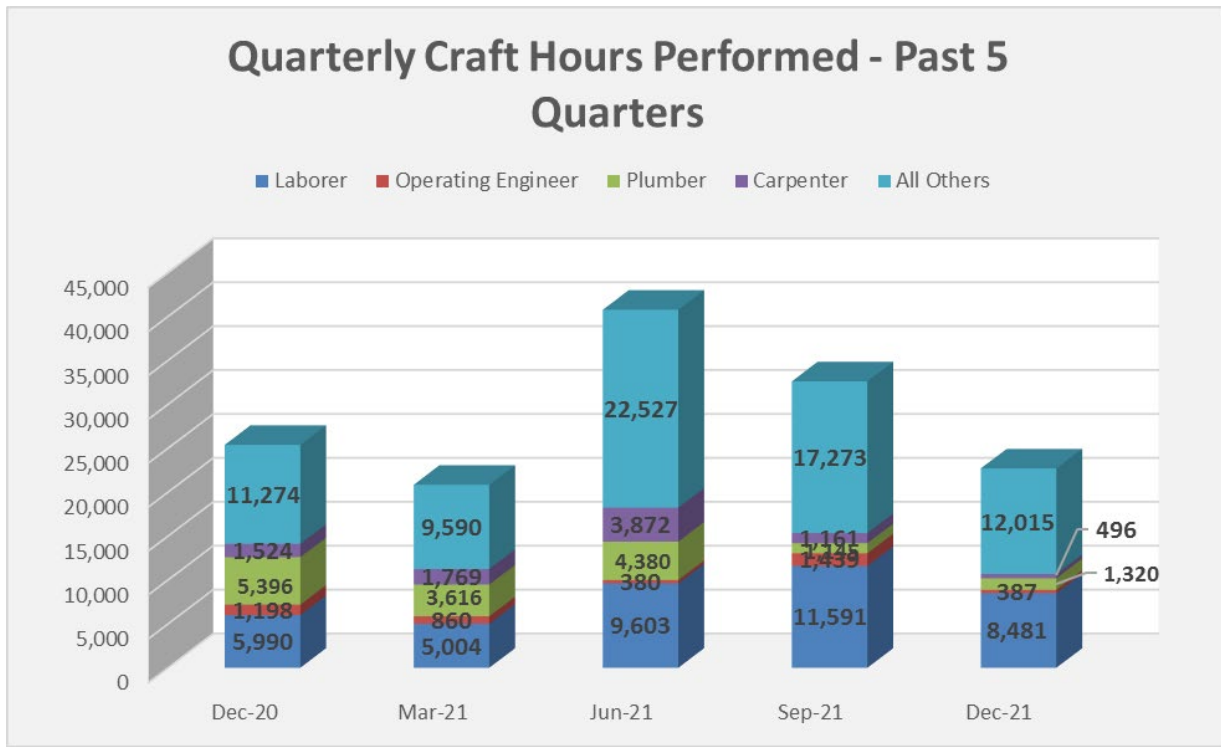
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 12-31-2021 Hours	Quarter 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	\$ 7,474,717	-	\$ -
Operating Engineer (Heavy And Highway Work) (Special)	95,289	\$ 4,512,513	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway)	79,393	\$ 3,676,393	-	\$ -
Asbestos Removal Worker (Laborer)	17,121	\$ 437,612	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway)	13,201	\$ 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 - Heavy)	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	\$ 10,082	-	\$ -
Ironworker (Db)	80	\$ 2,772	-	\$ -
Teamster (Special Single Shift Rate)	11	\$ 291	-	\$ -
Total Non-Apprenticeable	461,201	\$ 24,011,836	-	\$ -
Total Apprenticable	8,388,158	\$ 333,792,776	22,698	\$ 1,299,343
Total WSIP PLA	8,849,360	\$ 357,804,612	22,698	\$ 1,299,343

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

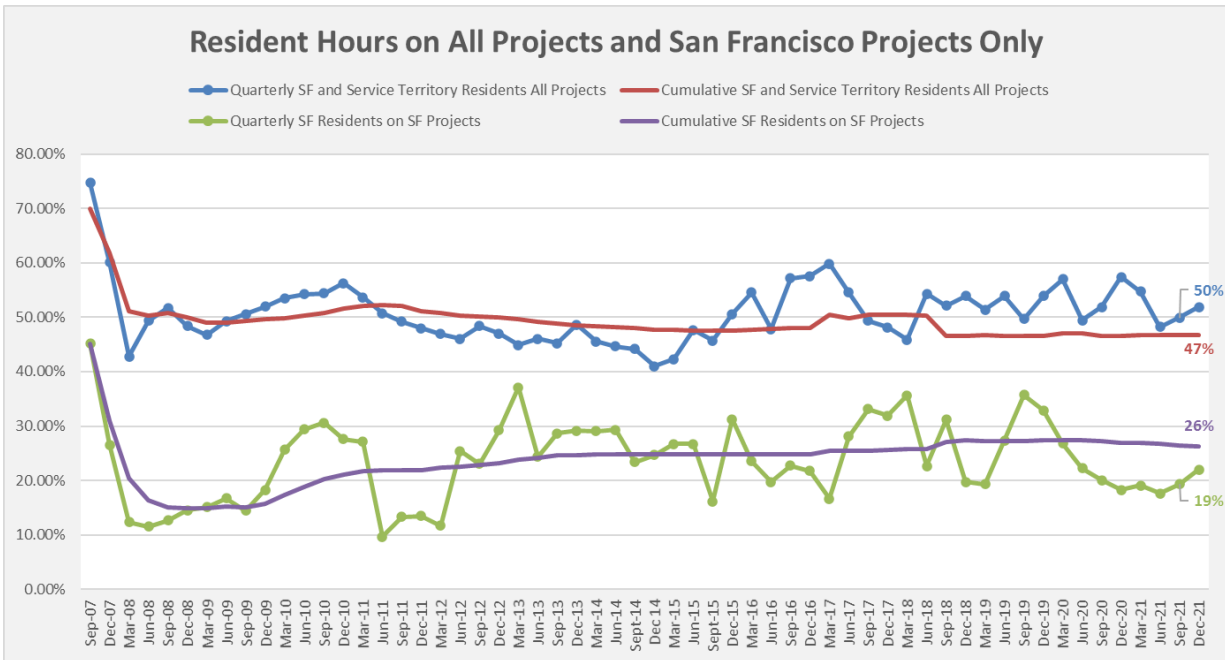


Worker Residence on the WSIP PLA

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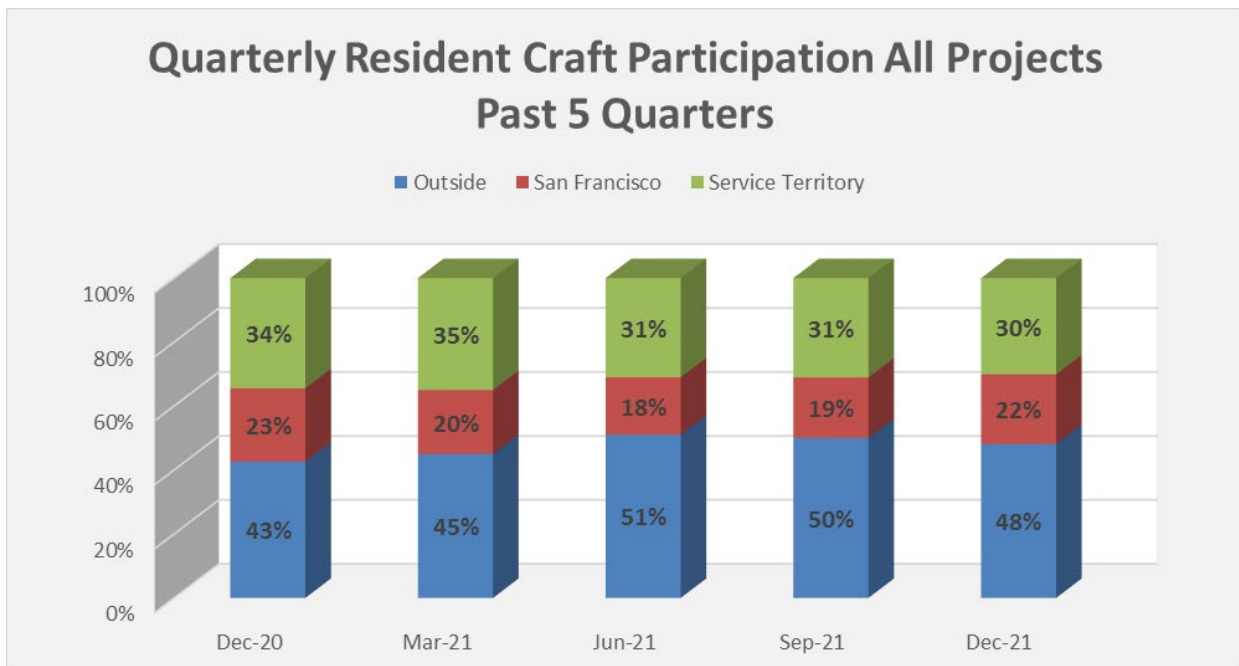
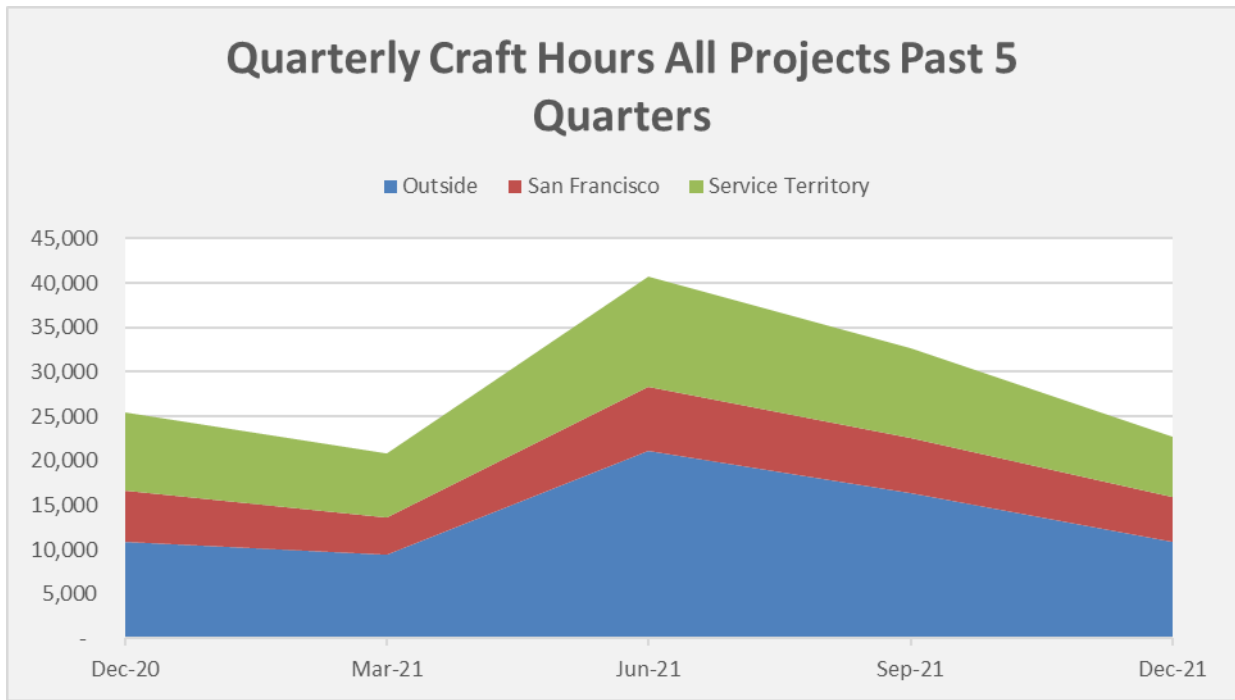
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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.



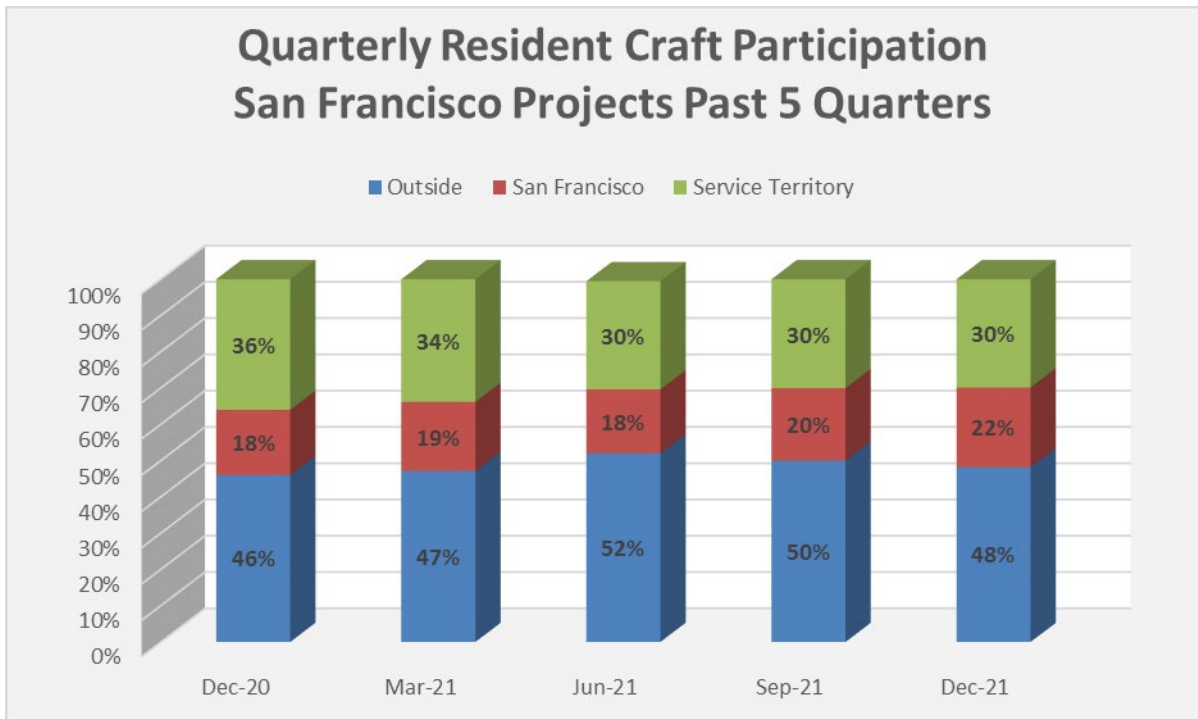
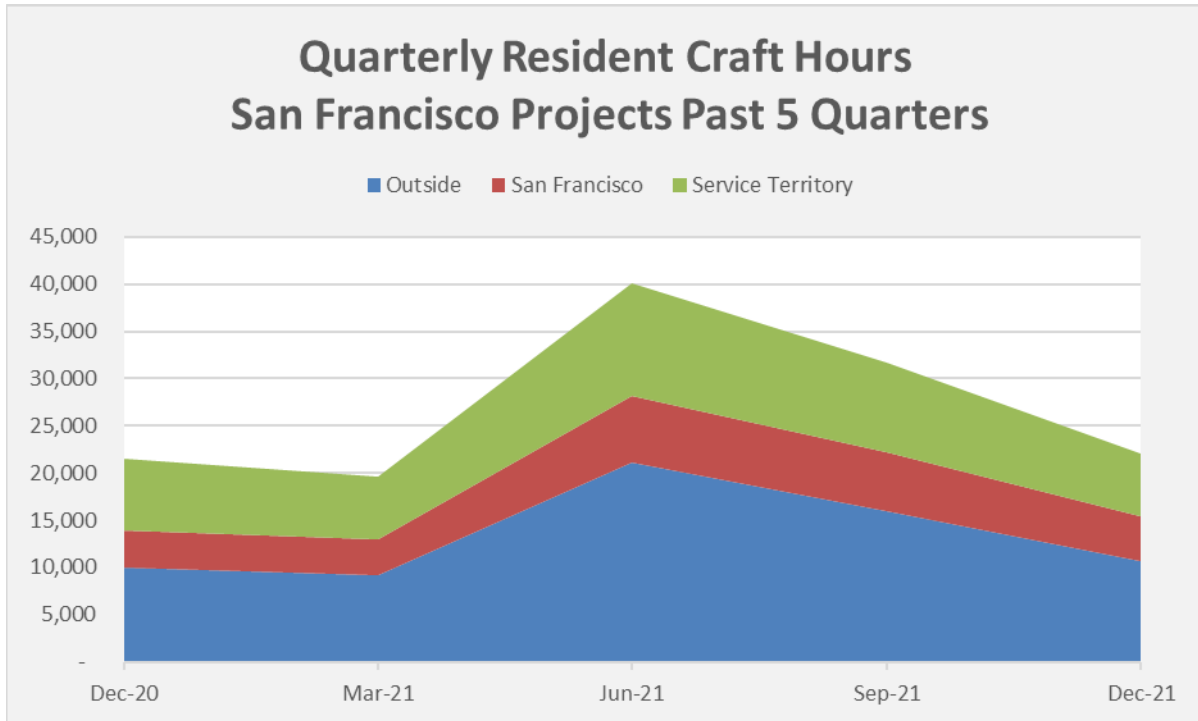
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Residence on ALL WSIP PLA Projects - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



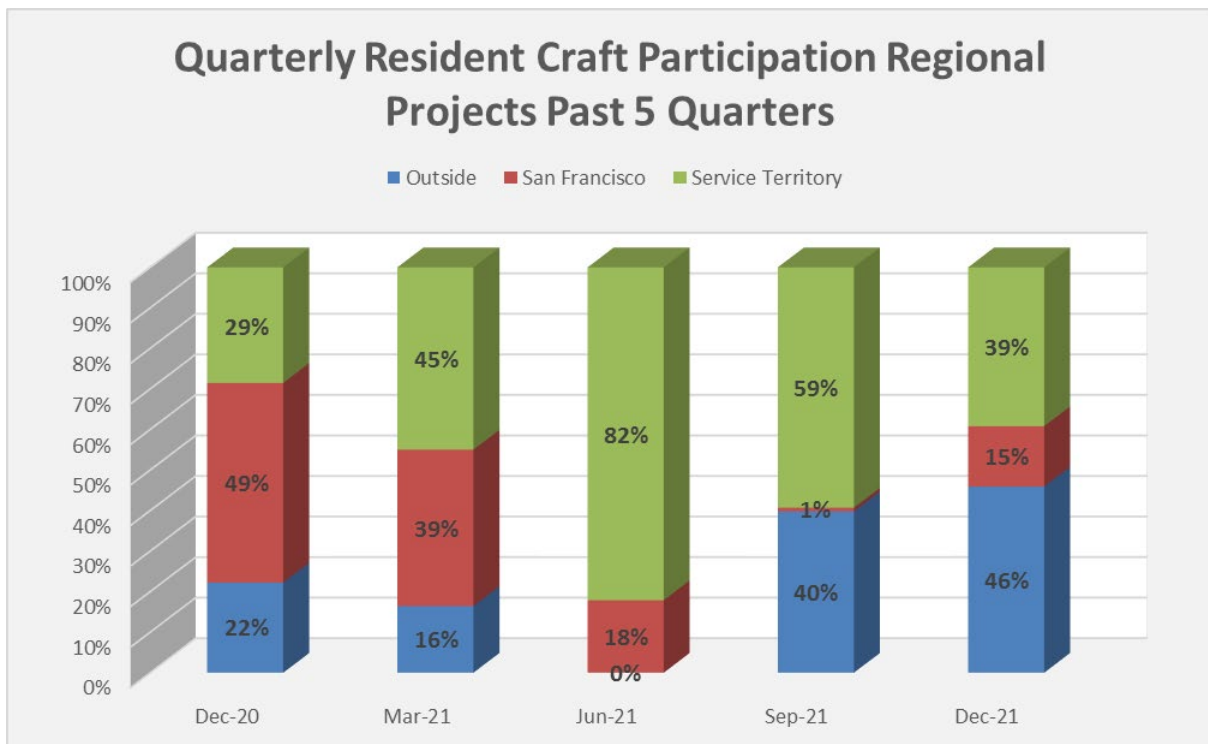
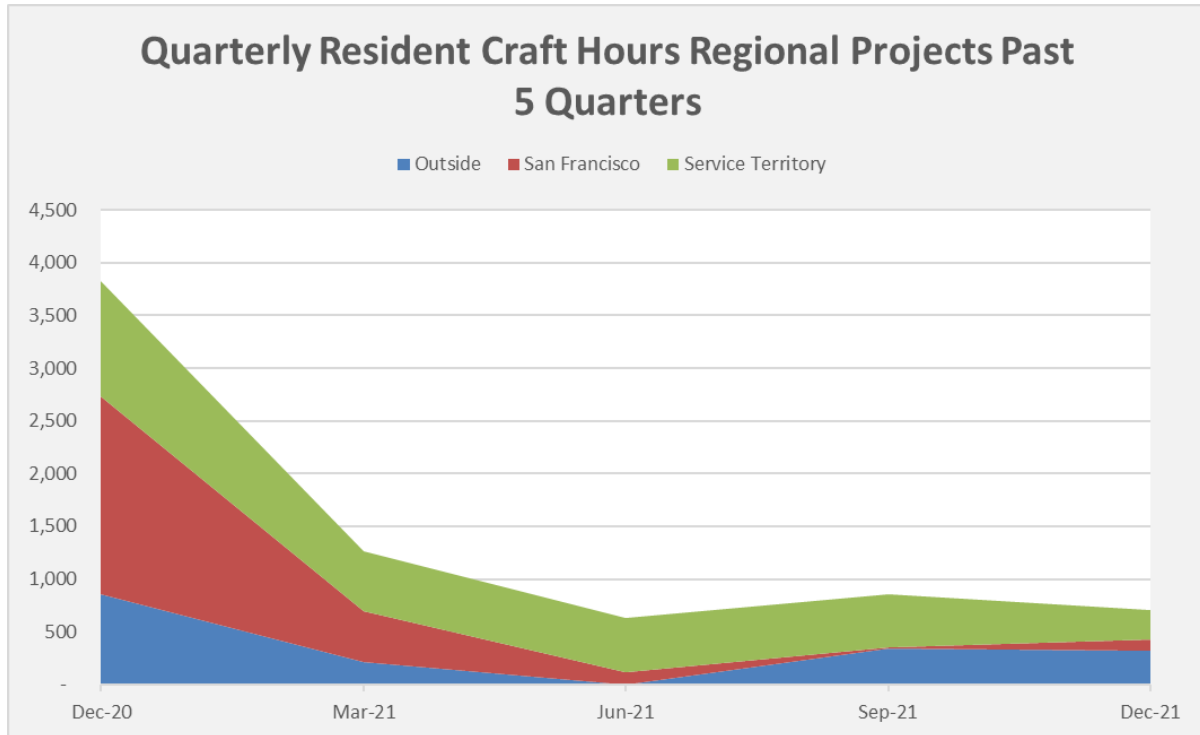
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.



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



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Residence by County

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence					
Inception Through December 31, 2021					
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

San Francisco Public Utilities Commission
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San Francisco Residents by Zip Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through December 31, 2021					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	127,310	\$ 4,748,991	19.5%	258	61
94124	107,745	\$ 4,431,344	16.5%	301	52
94116	86,945	\$ 4,127,671	13.3%	95	42
94110	86,856	\$ 3,096,069	13.3%	200	42
94134	41,659	\$ 1,278,290	6.4%	129	20
94122	37,889	\$ 1,841,626	5.8%	84	18
94103	24,650	\$ 756,293	3.8%	44	12
94121	22,031	\$ 968,228	3.4%	65	11
94118	17,428	\$ 827,333	2.7%	24	8
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	5
94107	10,325	\$ 393,168	1.6%	33	5
94102	8,852	\$ 387,998	1.4%	23	4
94133	8,298	\$ 333,463	1.3%	15	4
94131	8,279	\$ 292,395	1.3%	32	4
94109	5,078	\$ 162,541	0.8%	25	2
94114	4,468	\$ 196,812	0.7%	18	2
94108	4,194	\$ 144,211	0.6%	9	2
94115	3,881	\$ 149,037	0.6%	33	2
94130	3,179	\$ 67,807	0.5%	12	2
94142	1,740	\$ 68,149	0.3%	7	1
94123	937	\$ 43,800	0.1%	4	0
94105	921	\$ 39,606	0.1%	9	0
94111	915	\$ 21,546	0.1%	3	0
94104	677	\$ 22,206	0.1%	3	0
94129	447	\$ 14,182	0.1%	1	0
94188	366	\$ 9,790	0.1%	3	0
94140	288	\$ 11,589	0.0%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94158	118	\$ 6,367	0.0%	6	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
Total	653,513	\$ 25,924,215	100.0%	1,571	314
WSIP-PLA Total	8,849,360	\$ 357,804,612	-	16,042	4,254

San Francisco Public Utilities Commission
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Residence by Craft

Sorted by Total Hours

Cumulative Employment of Residents 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	3,021,945	243,996	1,297,298	1,480,650	8.1%	42.9%	49.0%
Non-Apprenticeable							
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 Work)	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-Heavy)	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-Heavy)	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 Engineer)	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 (Laborer)	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%

San Francisco Public Utilities Commission
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Residence by Project

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project Craft Employment Summary Through December 31, 2021							
Project	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 Upgrade	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	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%	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	164,517	27,324	84,025	53,168	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	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	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%
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-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 Channel	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-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%
Total WSIP PLAs	8,849,360	653,513	3,477,443	4,718,403	7.4%	39.3%	53.3%

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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.

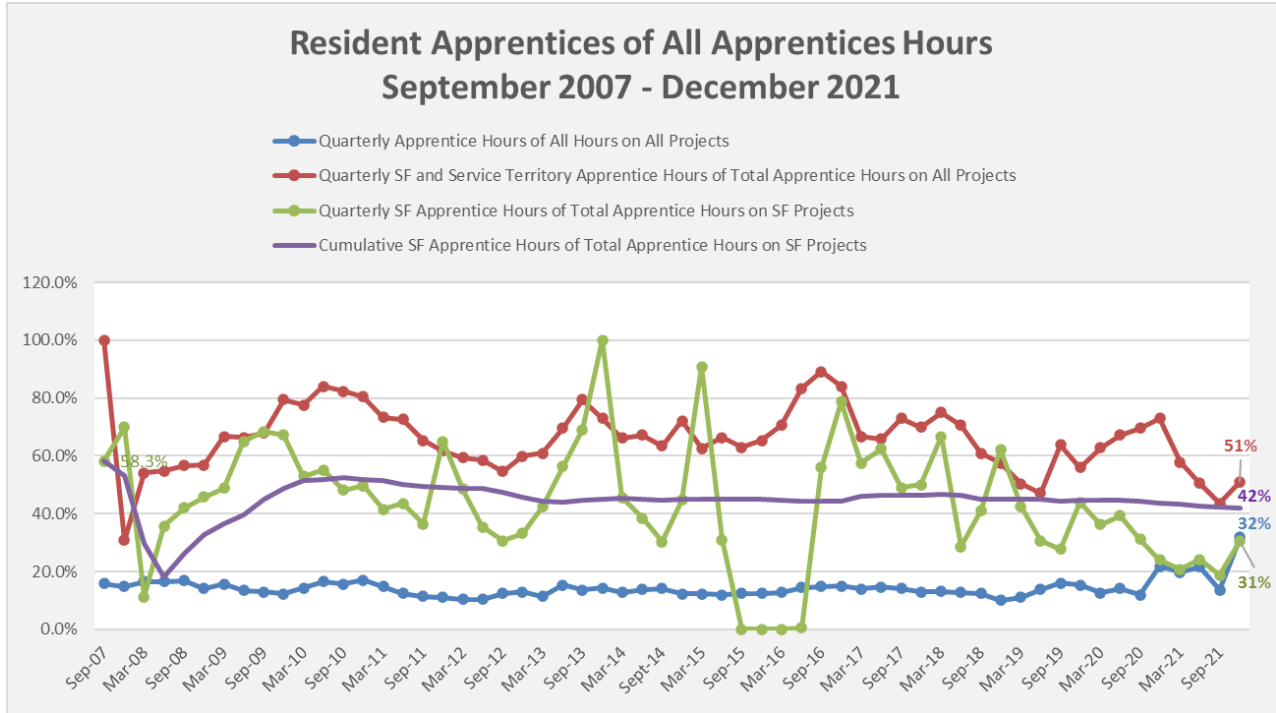
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.3% of apprentice hours were worked by San Francisco residents and 52.9% were worked by residents of the Regional Service Territory, or 69.2% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			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										

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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.



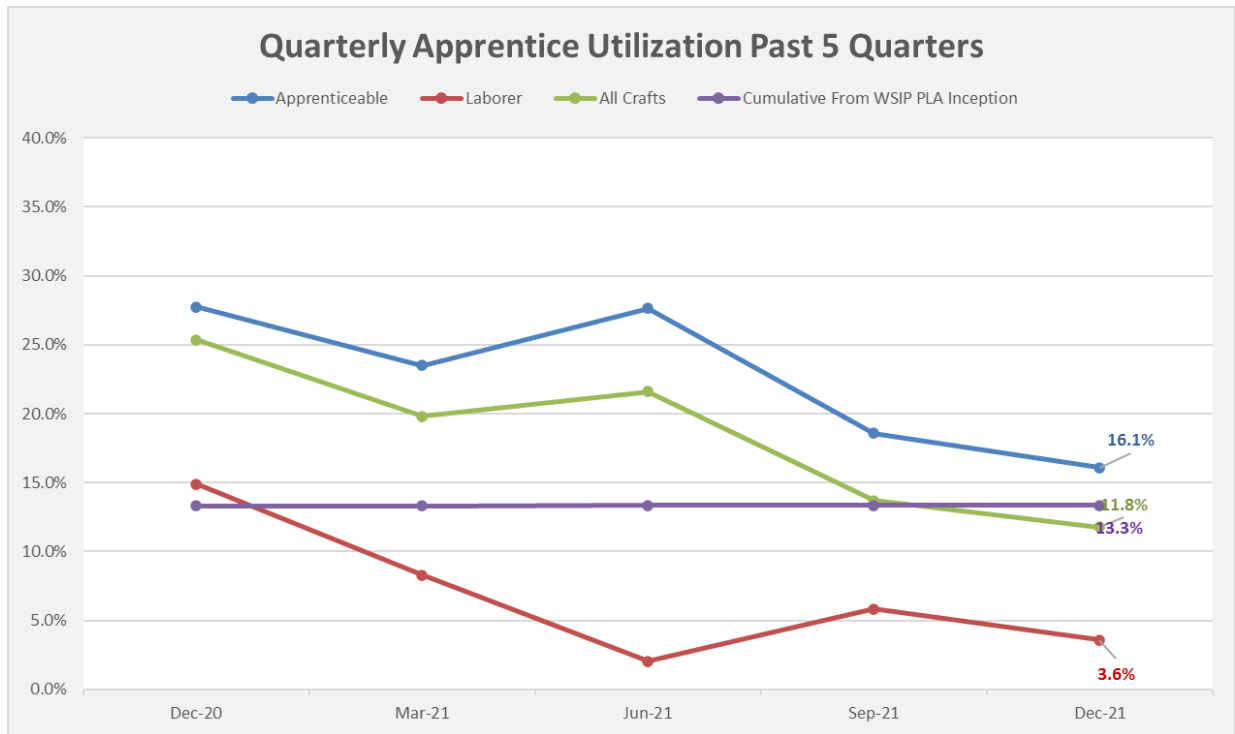
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through December 31, 2021											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	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%
WD-2729 - Fish Passage Faci	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 R	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 R	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%
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 Su	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 I	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
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%	19.3%
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%	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-2568 - BDPL Nos. 3&4 Cr	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	1,614	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	16.3%
WD-2601 - Crystal Springs / S	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2541 - Bay Division Pipeli	208,058	88,905	12,802	106,351	195,256	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	49,814	20,485	-	29,329	49,814	2,005	3,303	5,308	9.8%	11.3%	10.7%
WD-2564 - HTWTP - Short Ten	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 Ped	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2542 - Bay Division Pipelin	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	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	10.5%
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
WD-2581 - New Irington 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%	6.5%
WD-2531 - Bay Division Pipelin	583,318	412,690	91,164	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
WD-2829R - San Andreas Pipe	36,896	17,330	1,718	17,849	35,178	512	2,386	2,897	3.0%	13.4%	8.2%
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	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2654R - Peninsula Vegetat	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2529 - Noe Valley Transm	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%	0.0%
WD-2589 - SCADA System PH	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	13.3%
WD-2825R - Alameda Creek R	692	111	-	581	692	-	-	-	0.0%	0.0%	0.0%
WSIP - Covered by PLA (58 Pr	8,849,360	5,366,214	461,201	3,021,945	8,388,158	710,924	406,695	1,117,619	13.2%	13.5%	13.3%

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



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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.

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WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary	
Tests Administered to Individuals Cleared to Work Through 12/31/2021	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Project	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	410
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 - Suto 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 Project	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 Project	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 Project - Bay 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 Project- 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	15,231

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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.

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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.



HETCH HETCHY
WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

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

San Francisco Public Utilities Commission
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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.

Region of Worker Residence	Inception Through March 31, 2022			
	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

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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.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending March 31, 2022			
	Worker Count	Sum of Hours	Sum Of 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

*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.

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Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through March 31, 2022					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
02/22/22	WD-2878A	Marinship Development Interest LLC	Regional Groundwater Storage and Recovery Phase 2A	\$4.1 to 5 Million	\$ 6,850,000
02/08/22	WD-2882	The Professional Tree Care Company	Trousdale Oaks Trees Removal	\$3.2 to \$4.2 Million	\$ 2,655,026
04/13/21	WD-2825R	Anvil Builders, Inc	Alameda Creek Recapture	\$22 Million	\$ 19,511,500
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation System	\$3 Million	\$ 2,483,525
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station and	\$20 Million	\$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Channel	\$5.8 Million	\$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facility	\$70 to 80 Million	\$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	\$30 Million	\$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pond	\$5.9 to \$6.7 Million	\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million	\$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas	\$6.4 Million	\$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
Total 62 Projects					\$ 2,247,844,481

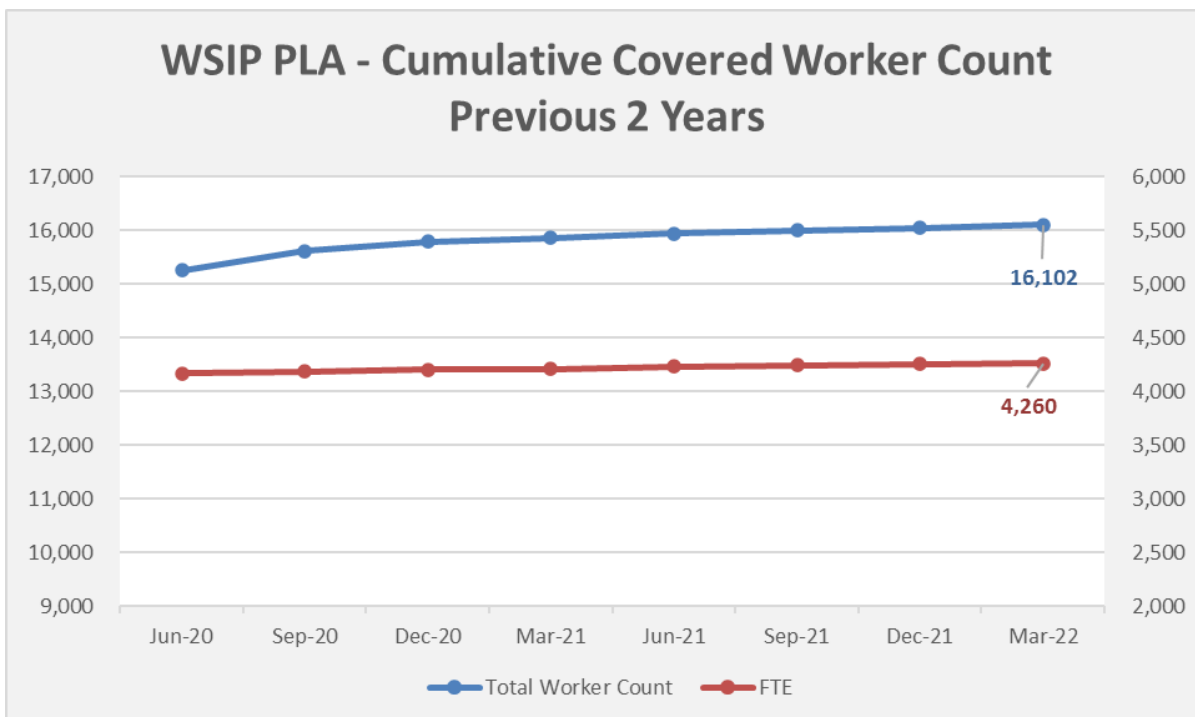
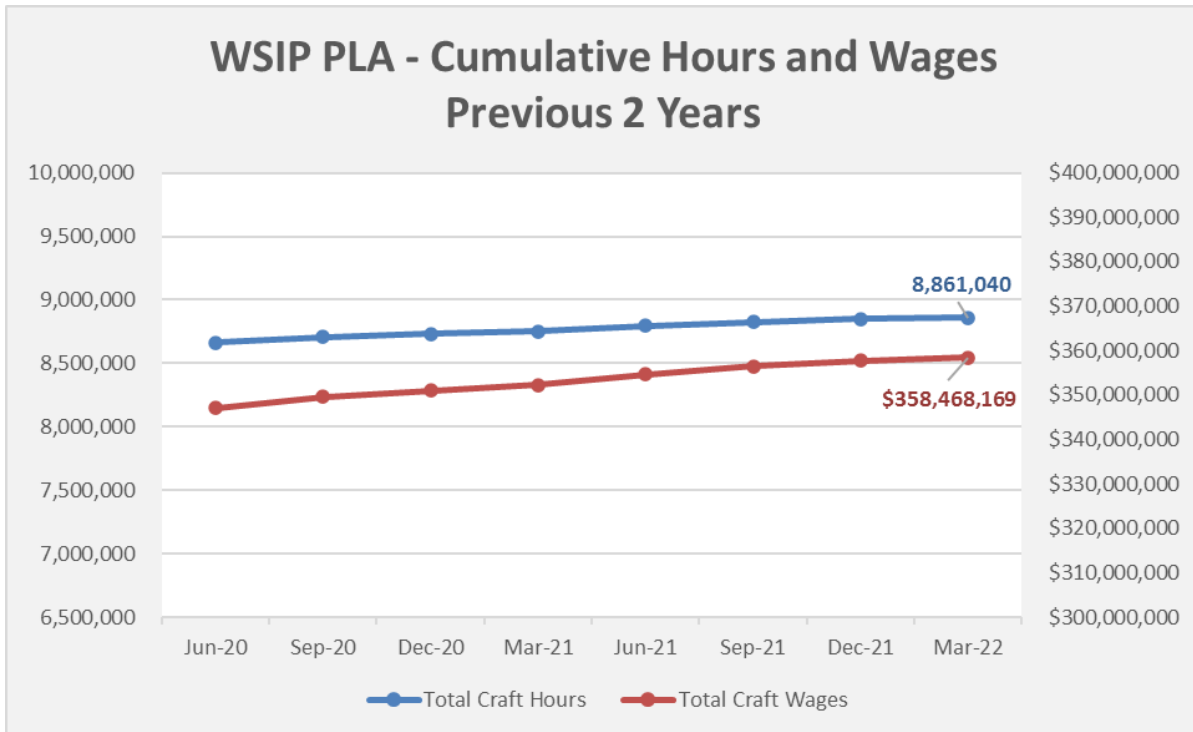
* Indicates projects located in San Francisco

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Summary Charts

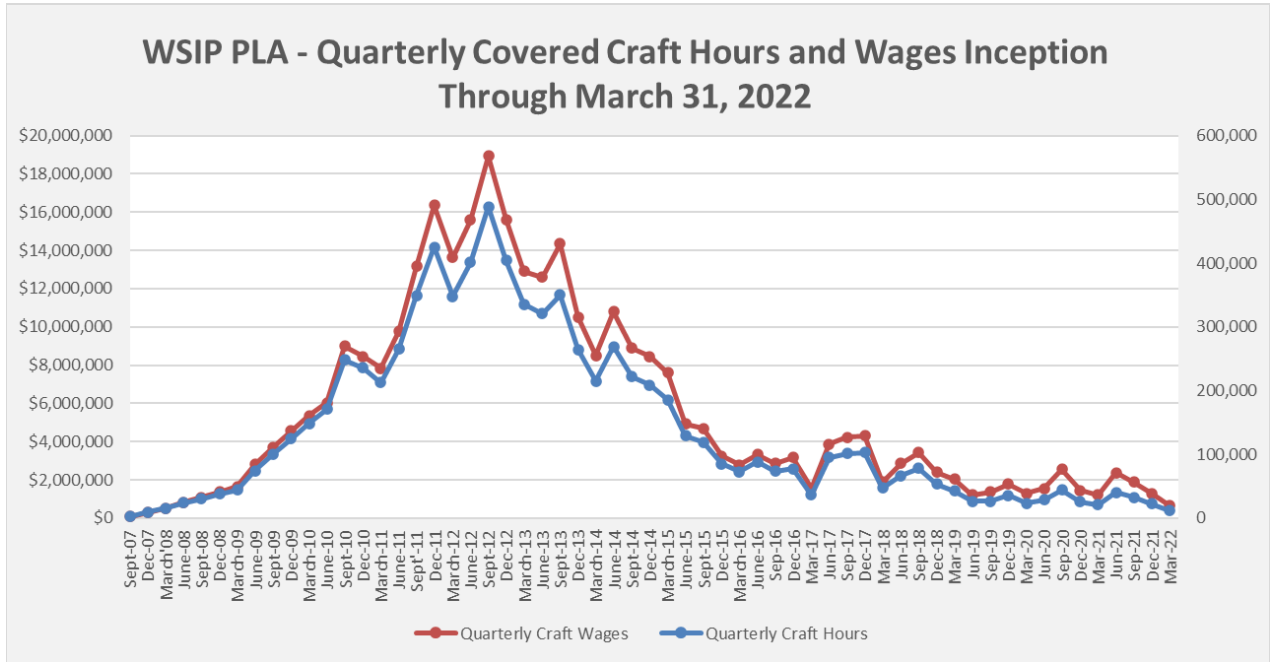
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending March 31, 2022, 16,102 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,861,040 craft hours and \$358,468,169 in craft wages.

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

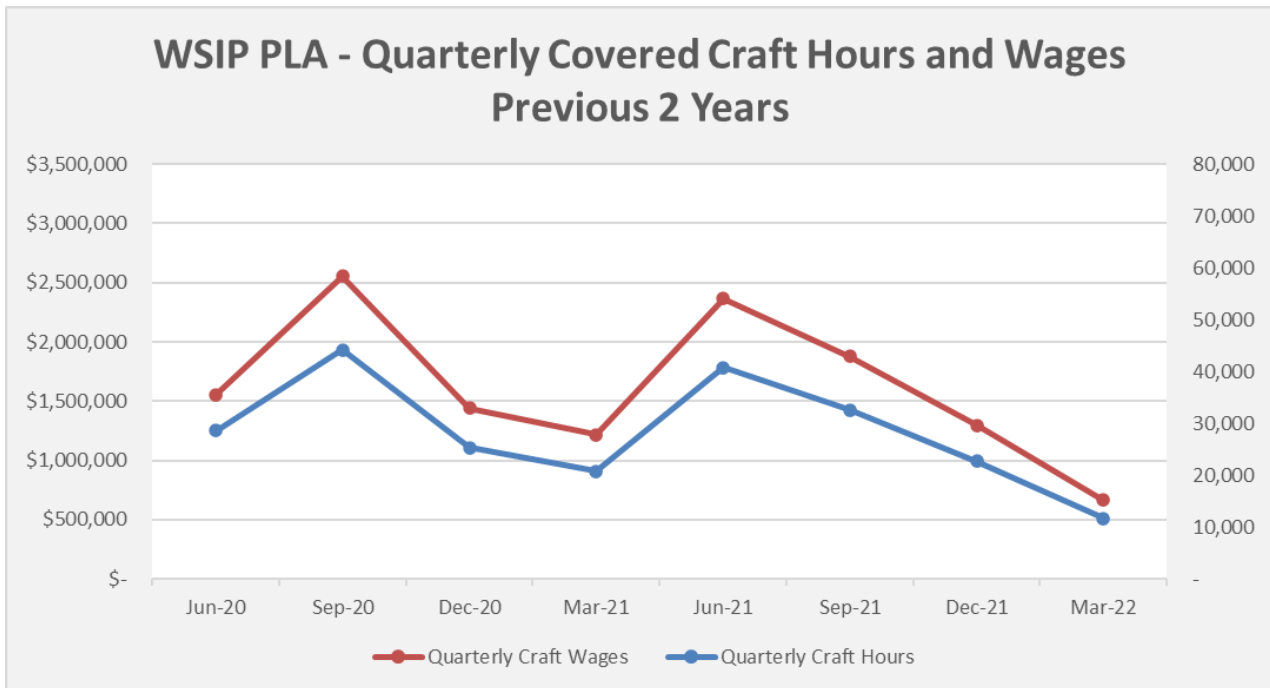


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 99.2% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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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.

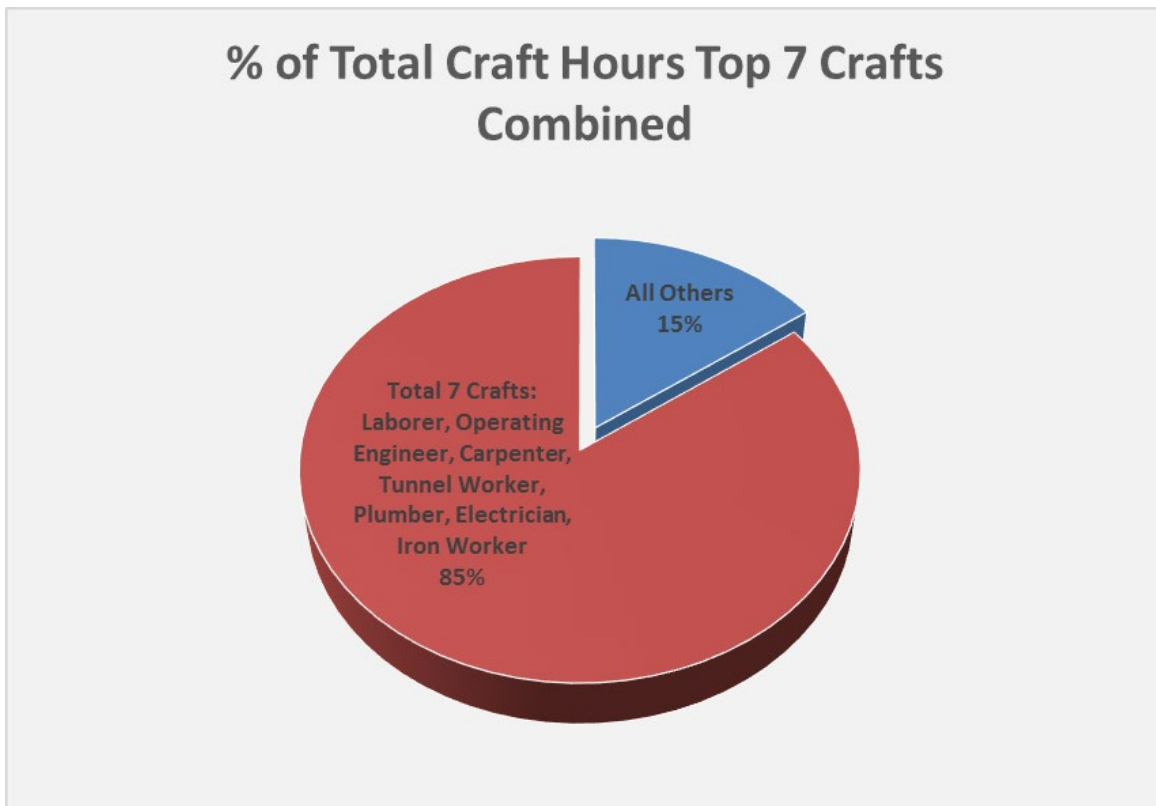
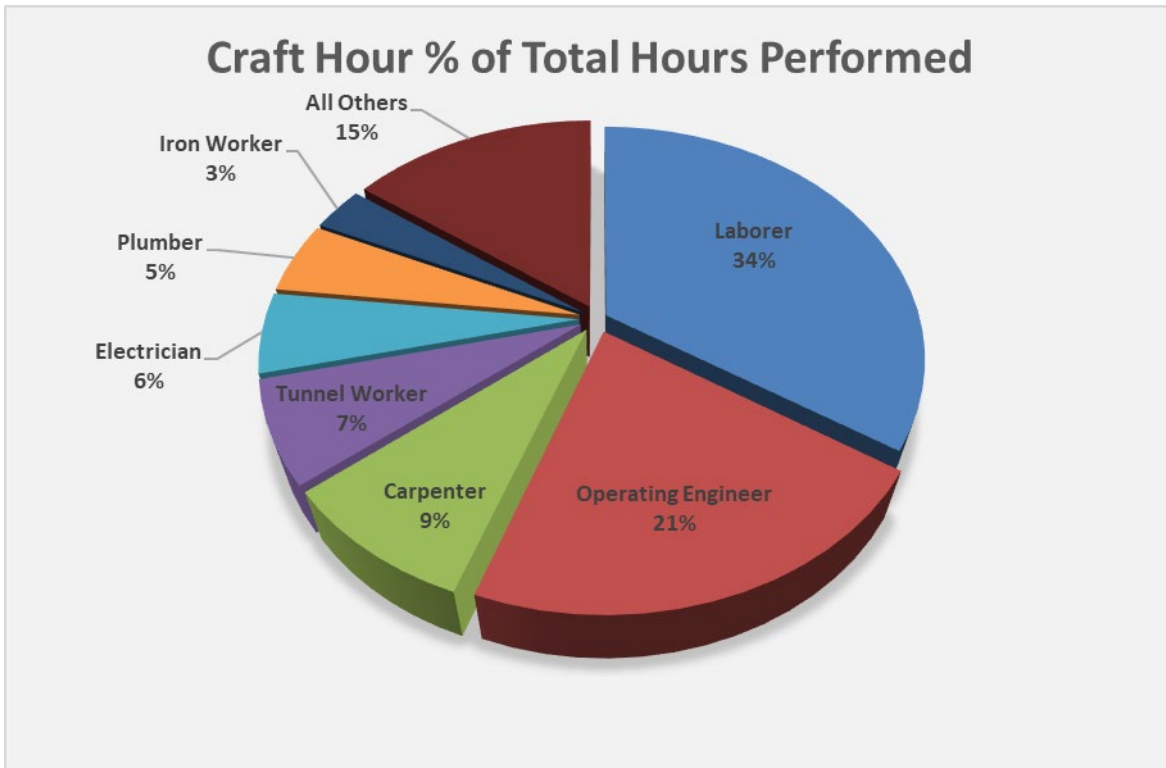
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

Cumulative Employment by Craft Inception Through March 31, 2022					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
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

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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.



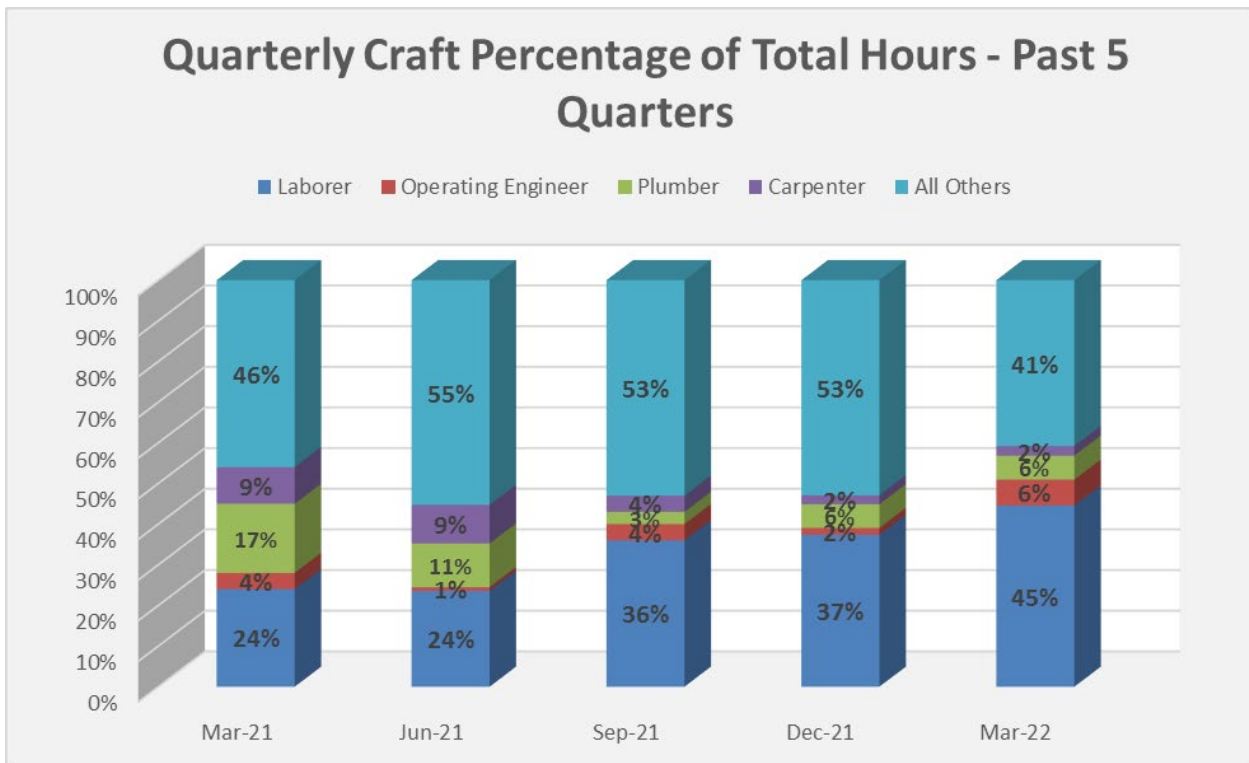
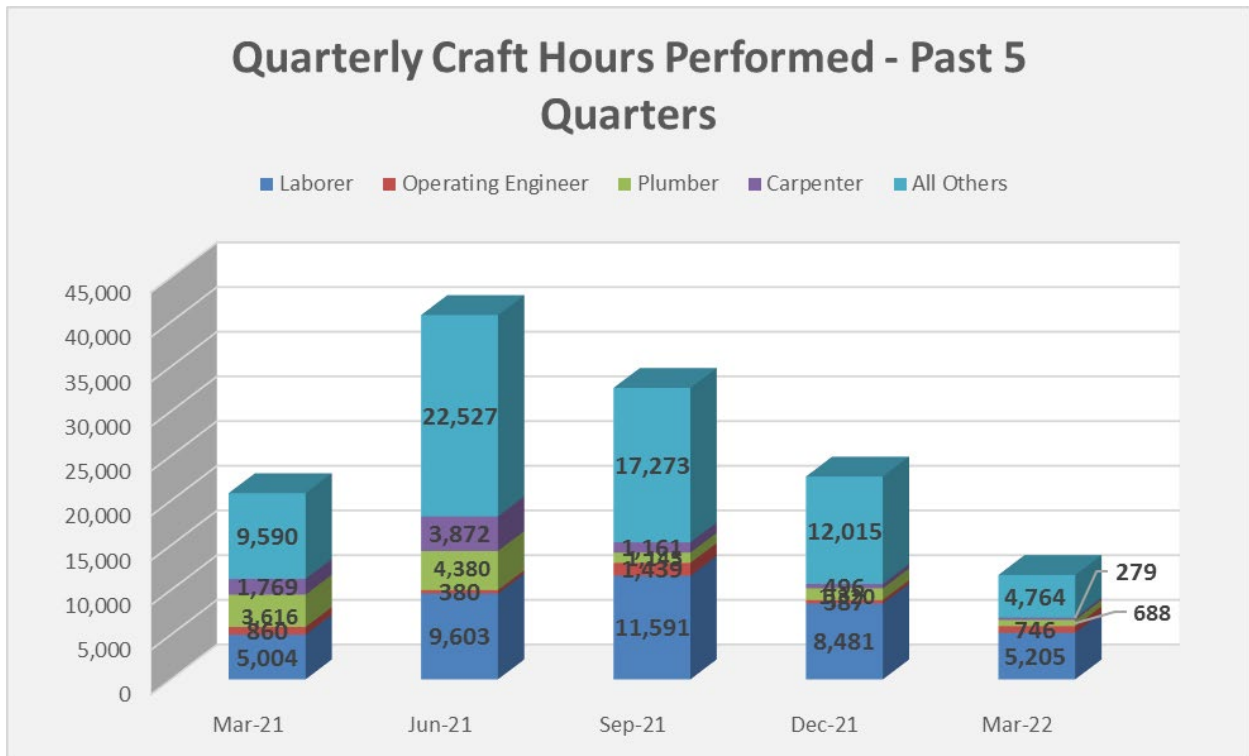
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

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	-	\$ -
Total	8,399,799	\$ 334,454,729	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) (Special)	95,289	\$ 4,512,513	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	79,393	\$ 3,676,393	-	\$ -
Asbestos Removal Worker (Laborer)	17,121	\$ 437,612	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	13,201	\$ 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 - Heavy And Highway Work)	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	\$ 10,082	-	\$ -
Ironworker (Db)	80	\$ 2,772	-	\$ -
Teamster (Special Single Shift Rate)	11	\$ 291	-	\$ -
Total Non-Apprenticeable	461,241	\$ 24,013,441	40	\$ 1,605
Total Apprenticable	8,399,799	\$ 334,454,729	11,641	\$ 661,952
Total WSIP PLA	8,861,040	\$ 358,468,169	11,680	\$ 663,557

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

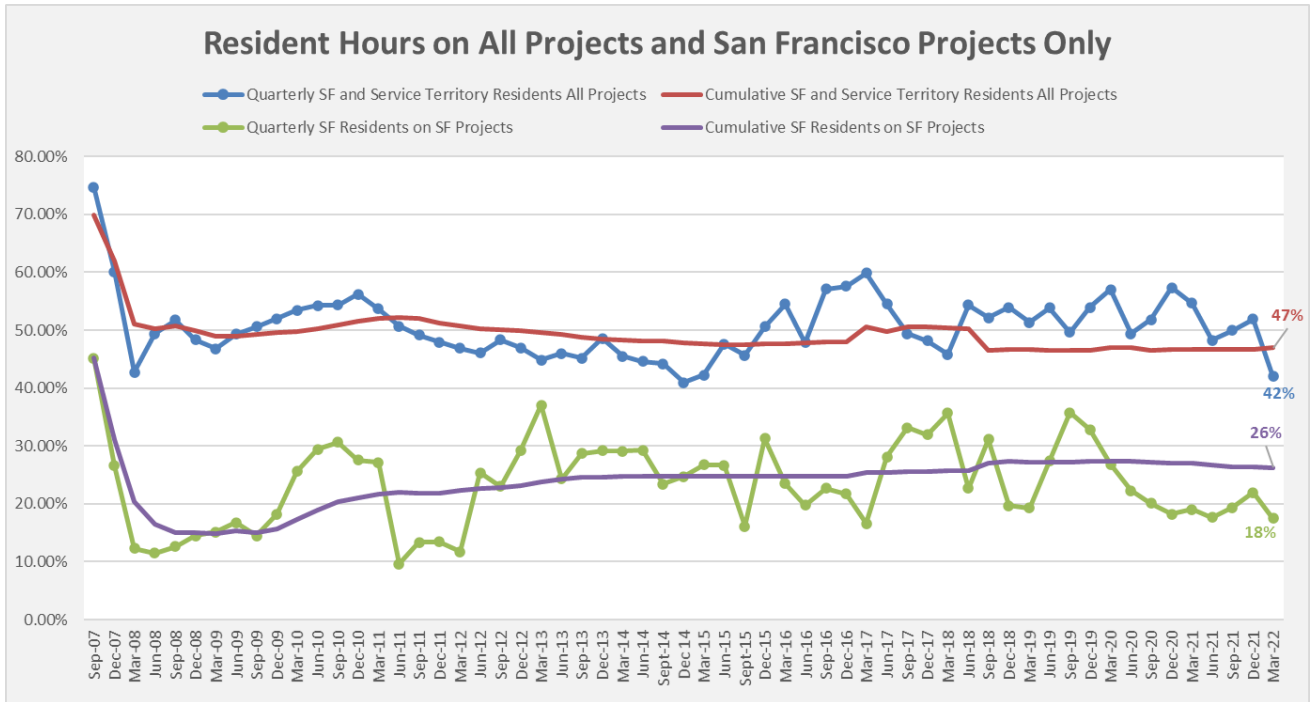


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Worker Residence on the WSIP PLA

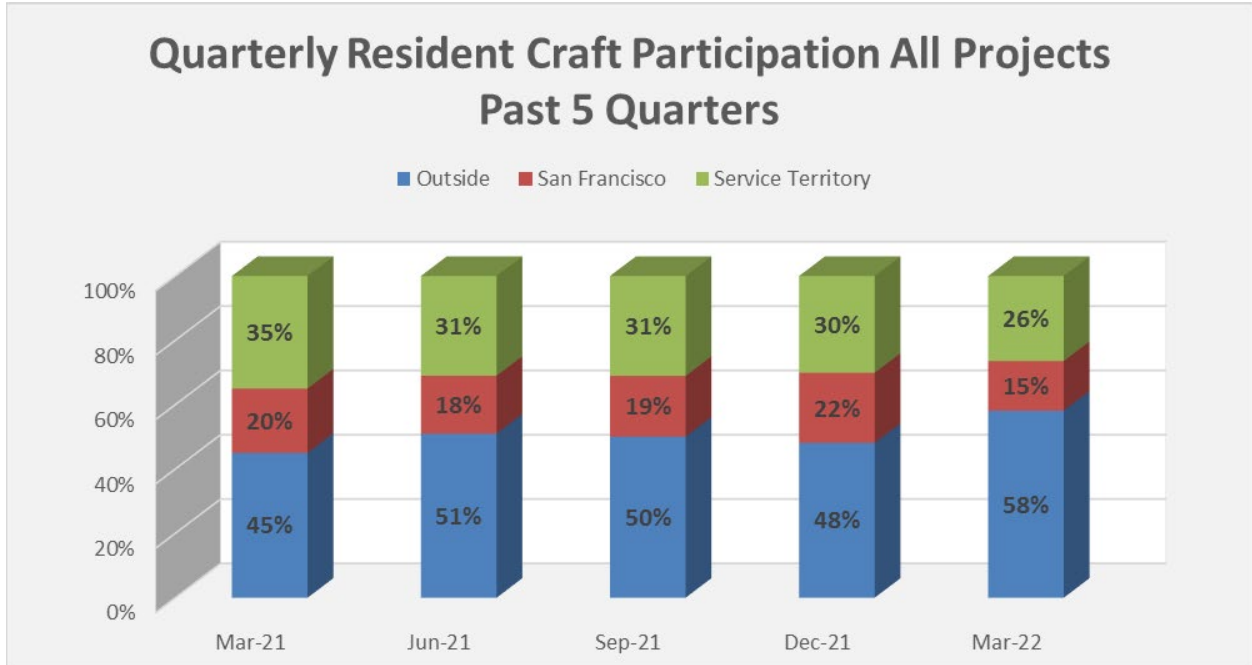
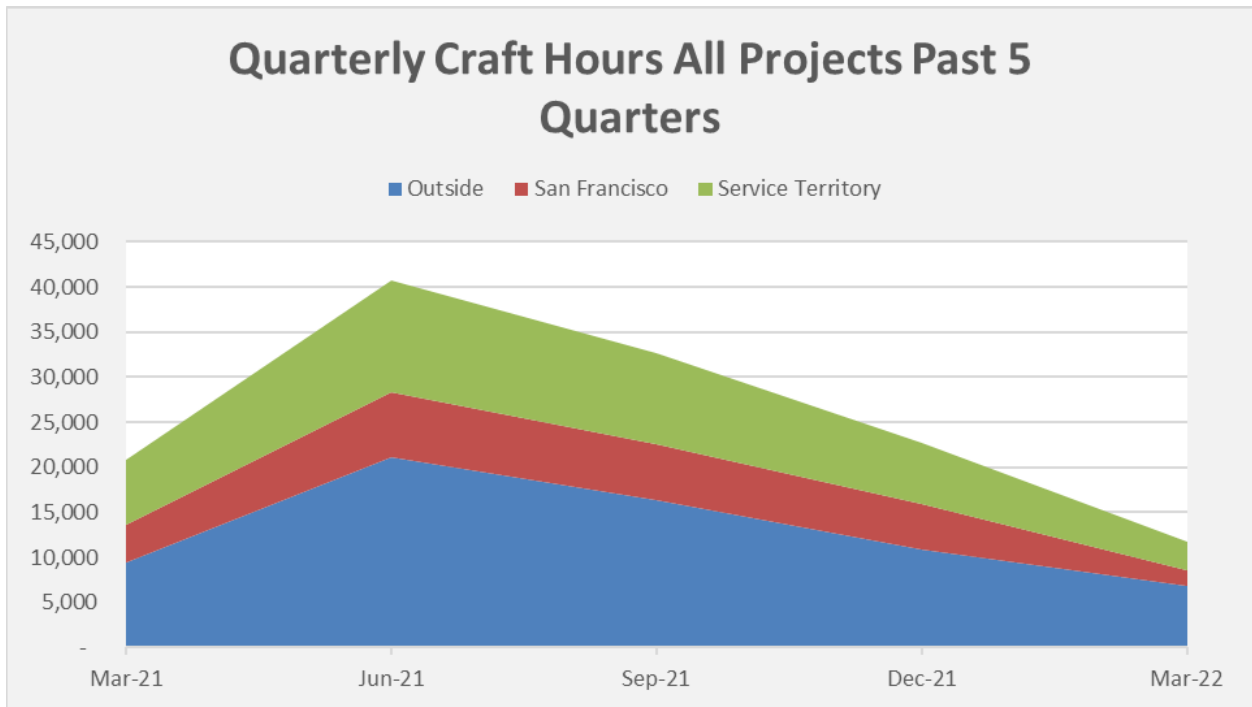
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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.



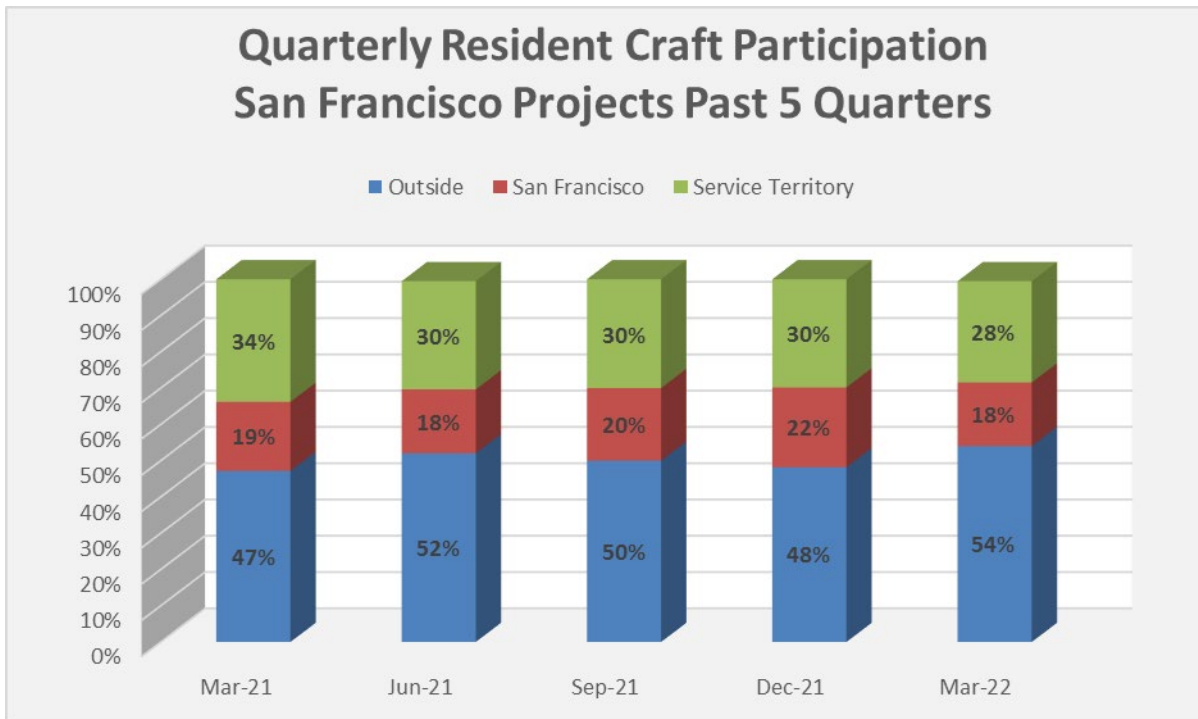
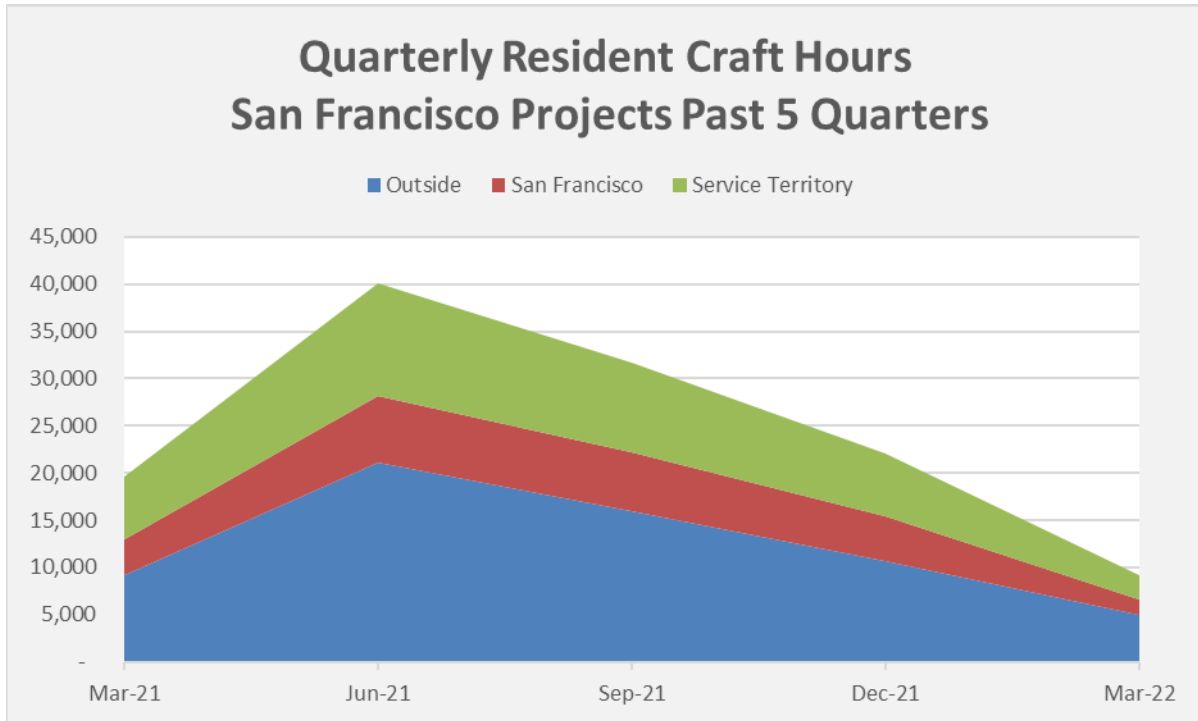
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Residence on ALL WSIP PLA Projects - Charted are the 62 projects covered under the WSIP PLA within San Francisco and the Service Territory.



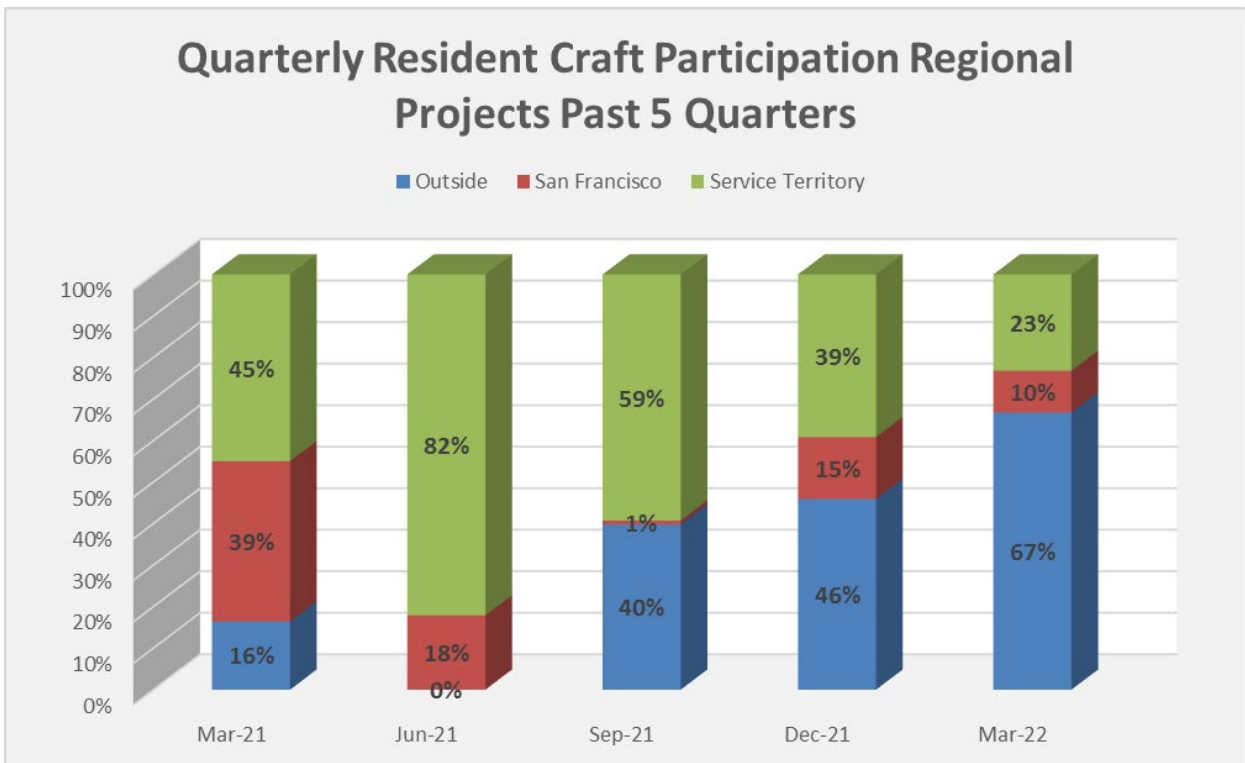
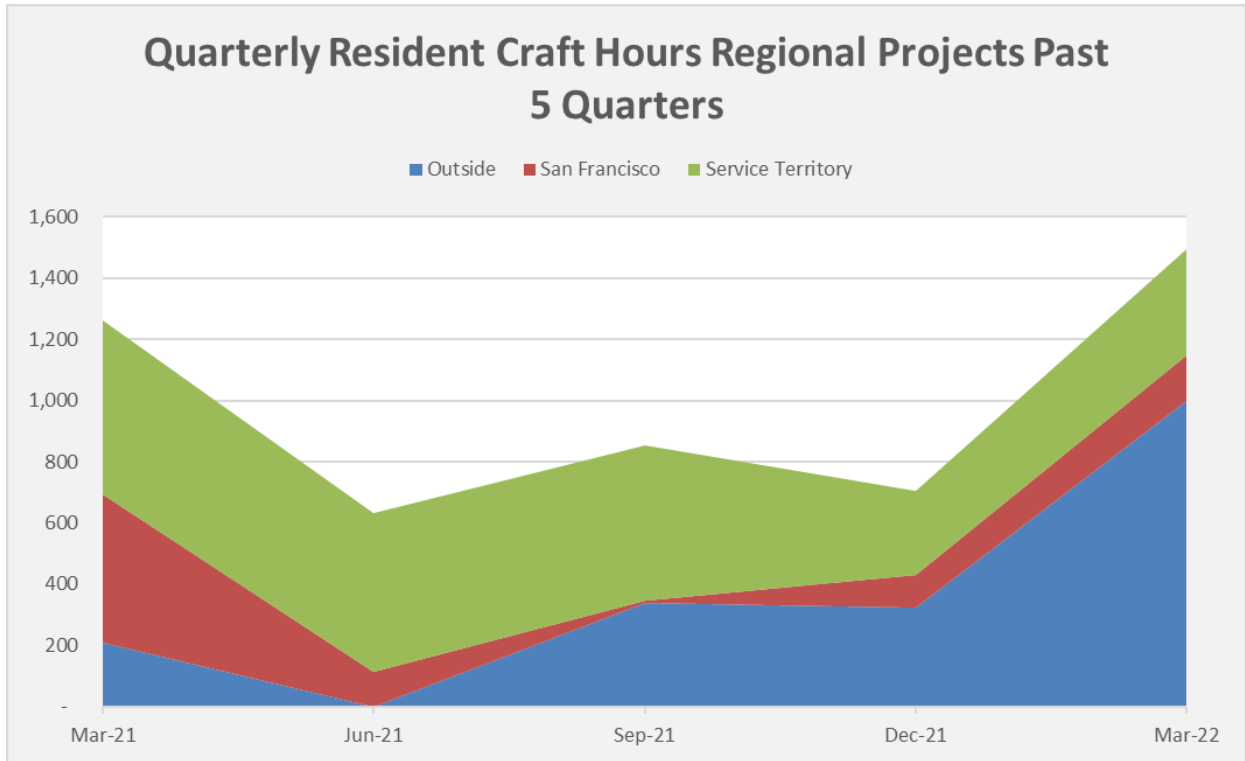
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.



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



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Residence by County

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence					
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

San Francisco Public Utilities Commission
Water System Improvement Program Project Labor Agreement
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San Francisco Residents by ZIP Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through March 31, 2022					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	127,692	\$ 4,762,762	19.5%	259	61
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	9
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	5
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	0
94123	937	\$ 43,800	0.1%	4	0
94111	915	\$ 21,546	0.1%	3	0
94104	677	\$ 22,206	0.1%	3	0
94129	447	\$ 14,182	0.1%	1	0
94188	366	\$ 9,790	0.1%	3	0
94140	288	\$ 11,589	0.0%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94158	126	\$ 6,783	0.0%	7	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
Total	655,314	\$ 26,021,342	100.0%	1,524	315
WSIP-PLA Total	8,861,040	\$ 358,468,169	-	16,102	4,260

San Francisco Public Utilities Commission
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Residence by Craft

Sorted by Total Hours

Cumulative Employment of Residents By Craft 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
Operating 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%	18.4%	75.4%
Glazier	13,830	1,525	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	3,027,149	244,952	1,298,796	1,483,401	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 Work)	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-Heavy)	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-Heavy)	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 Engineer)	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 (Laborer)	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%

San Francisco Public Utilities Commission
Water System Improvement Program Project Labor Agreement
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Residence by Project

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project Craft Employment Summary Through March 31, 2022							
Project	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 Upgrade	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	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	65,905	120,774	21.7%	27.6%	50.6%
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%	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%	31.7%
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	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-2797 - SF Westside Recycled Water Pump Station and Reservoir	52,636	13,554	21,749	17,333	25.8%	41.3%	32.9%
WD-2573 - Pulgas Balancing Reservoir Structural Rehab	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
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	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%
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-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 Channel	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 PLAs	8,861,040	655,314	3,480,533	4,725,194	7.4%	39.3%	53.3%

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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.

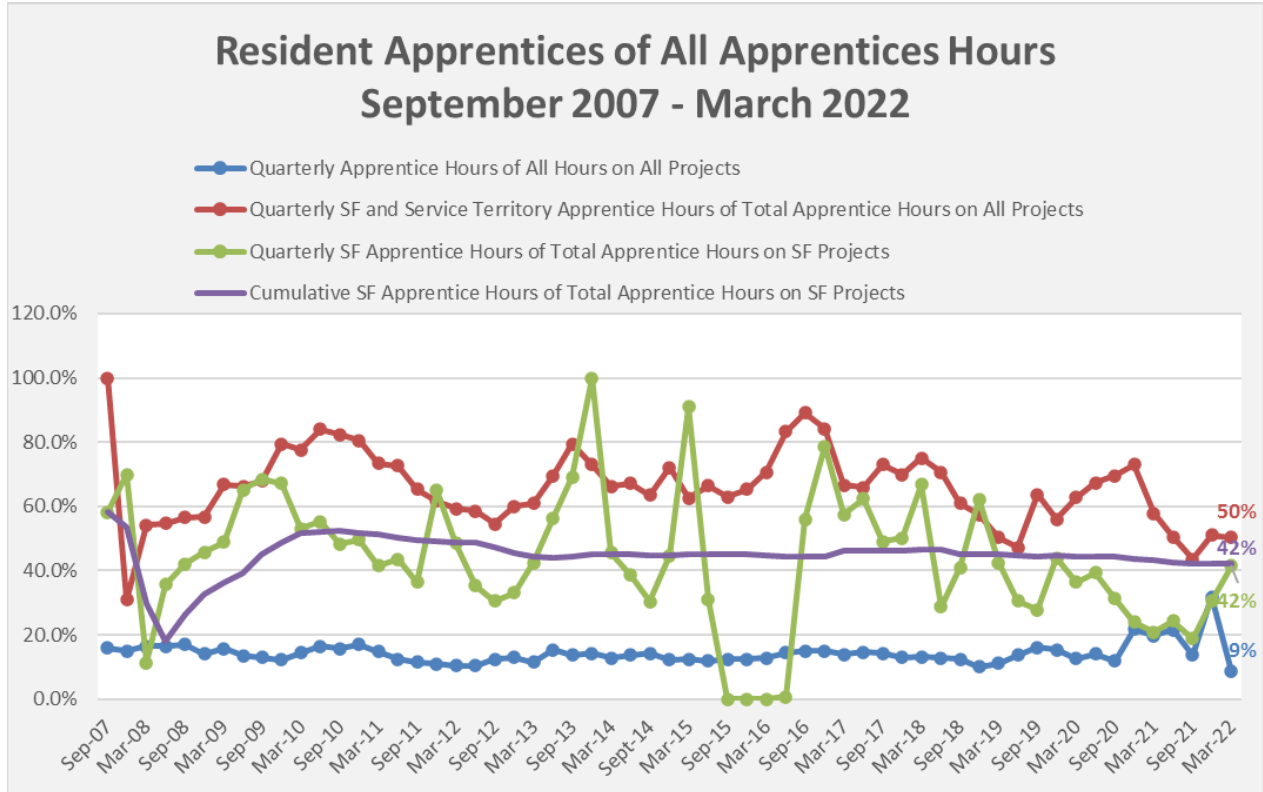
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.3% of apprentice hours were worked by San Francisco residents and 52.8% were worked by residents of the Regional Service Territory, or 69.1% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			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										

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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.



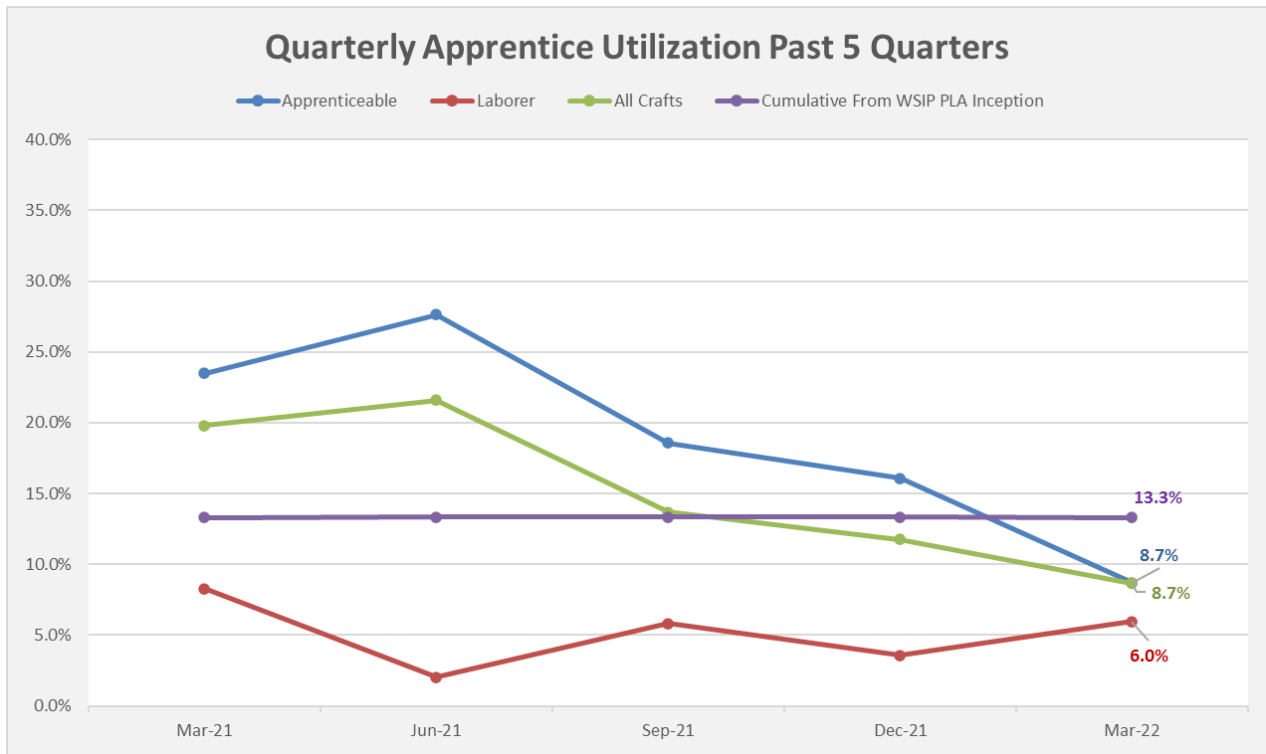
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through March 31, 2022											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	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%
WD-2729 - Fish Passage Faci	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 R	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	238,462	196,058	160	42,244	238,302	42,564	1,888	44,451	21.7%	4.5%	18.7%
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%	14.2%
WD-2641R - Habitat Reserve P	44,018	7,406	52	42,244	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
WD-2668 - Regional Groundwa	165,520	103,321	1,079	61,121	164,441	18,483	7,473	25,956	17.9%	12.2%	15.8%
WD-2809 - SF Groundwater Su	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 I	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
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%	19.3%
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-2589 - SCADA System Ph	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	7.7%
WD-2640 - Bioregional Habit	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2552 - Alameda Siphon Nd	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%	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 Cr	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	1,614	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	16.3%
WD-2601 - Crystal Springs / S	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2541 - Bay Division Pipeli	208,058	88,905	12,802	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%	10.3%
HH-953 - Tesla Portal Protecti	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	52,636	21,246	-	31,390	52,636	2,021	3,379	5,400	9.5%	10.8%	10.3%
WD-2564 - HTWTP - Short Ten	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 Ped	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2542 - Bay Division Pipelin	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	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	10.5%
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
WD-2852R - SF Westside Rec	9,866	296	47	9,523	9,819	18	516	534	6.1%	0.0%	13.3%
WD-2581 - New Invention 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%	6.5%
WD-2531 - Bay Division Pipelin	583,318	412,690	91,164	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
WD-2829R - San Andreas Pipe	36,896	17,330	1,718	17,849	35,178	512	2,386	2,897	3.0%	13.4%	0.0%
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	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	28	1,694	1,718	0.4%	6.9%	5.7%
WD-2529 - Noe Valley Transm	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2600 - Regional Groundwa	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2825R - Alameda Creek R	2,185	894	26	1,265	2,159	36	-	36	0.0%	0.0%	1.7%
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	2,088	-	-	-	0.0%	0.0%	0.0%
WSIP - Covered by PLA (58 Pr	8,861,040	5,372,650	461,241	3,027,149	8,399,799	711,624	407,006	1,118,630	13.2%	13.4%	13.3%

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



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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.

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WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary	
Tests Administered to Individuals Cleared to Work Through 3/31/2022	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Project	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	410
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	268
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 - Suto 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 Project	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 Project	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 Project - Bay 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 Project- 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	15,234

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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.

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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.



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WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

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

San Francisco Public Utilities Commission
Water System Improvement Program Project Labor Agreement
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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.

Region of Worker Residence	Inception Through June 30, 2022			
	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

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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.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending June 30, 2022			
	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

*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.

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Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

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	Marinship Development Interest LLC	Regional Groundwater Storage and Recovery Phase 2A	\$4.1 to 5 Million	\$ 6,850,000
02/08/22	WD-2882	The Professional Tree Care Company	Trousdale Oaks Trees Removal	\$3.2 to \$4.2 Million	\$ 2,655,026
04/13/21	WD-2825R	Anvil Builders, Inc	Alameda Creek Recapture	\$22 Million	\$ 19,511,500
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation System	\$3 Million	\$ 2,483,525
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station and	\$20 Million	\$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Channel	\$5.8 Million	\$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facility	\$70 to 80 Million	\$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	\$30 Million	\$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pond	\$5.9 to \$6.7 Million	\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million	\$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas	\$6.4 Million	\$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
Total 62 Projects					\$ 2,247,844,481

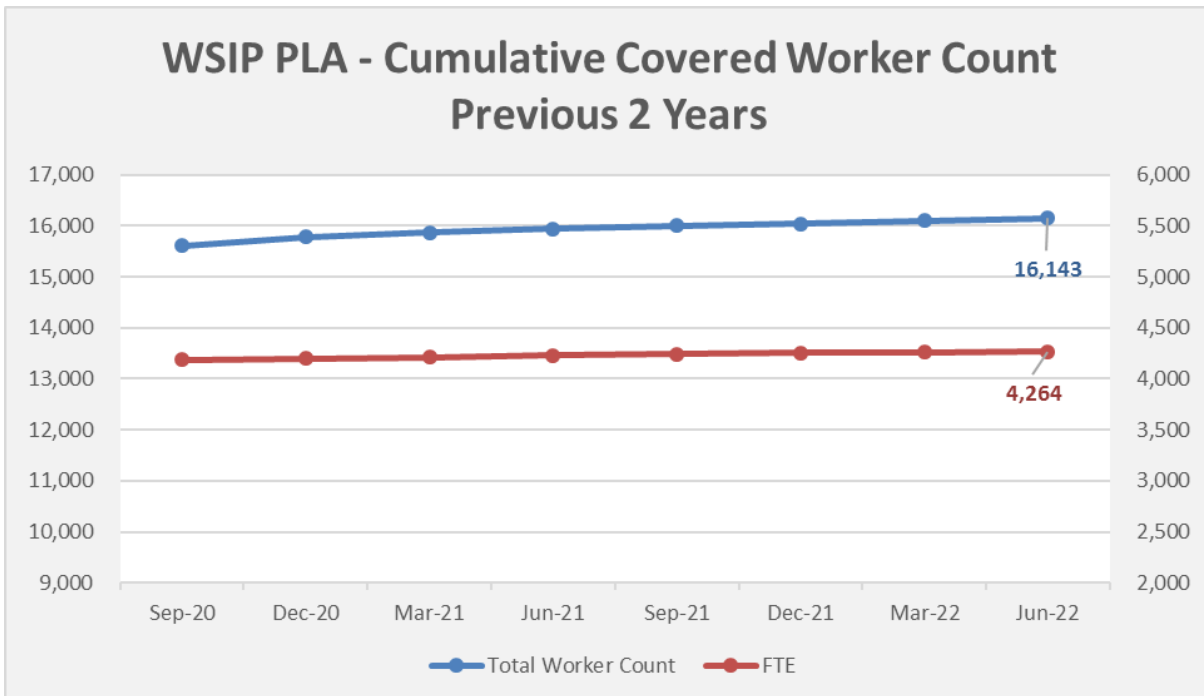
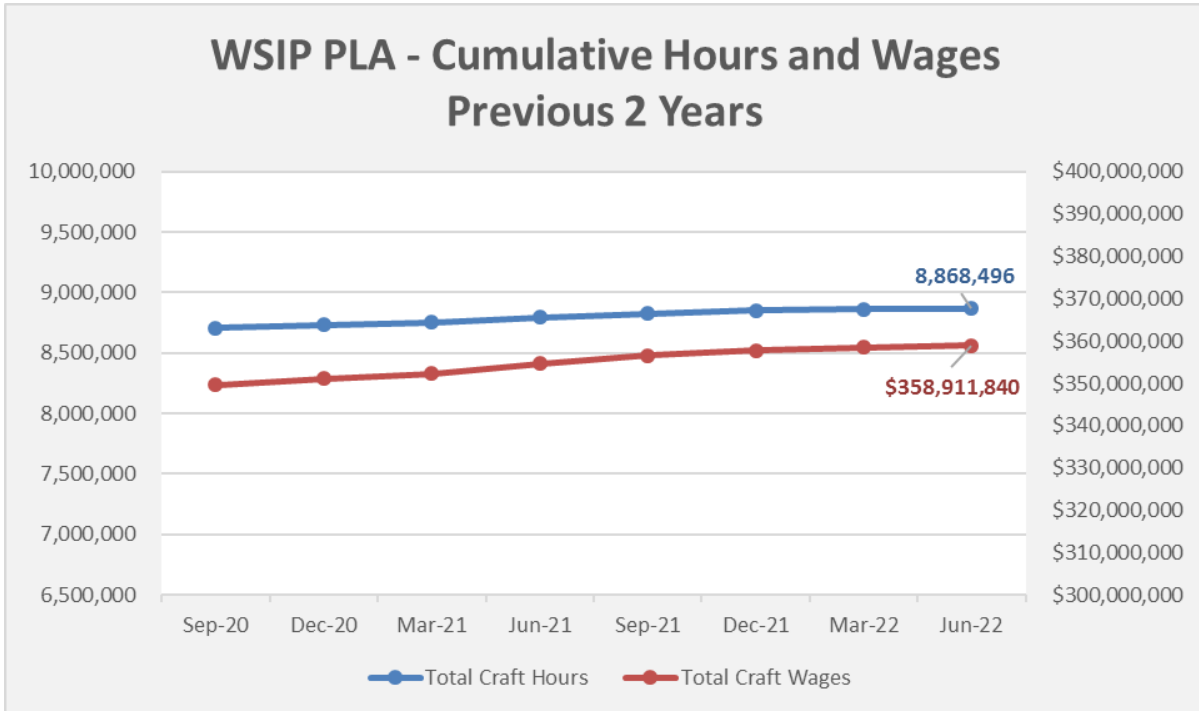
* Indicates projects located in San Francisco

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Summary Charts

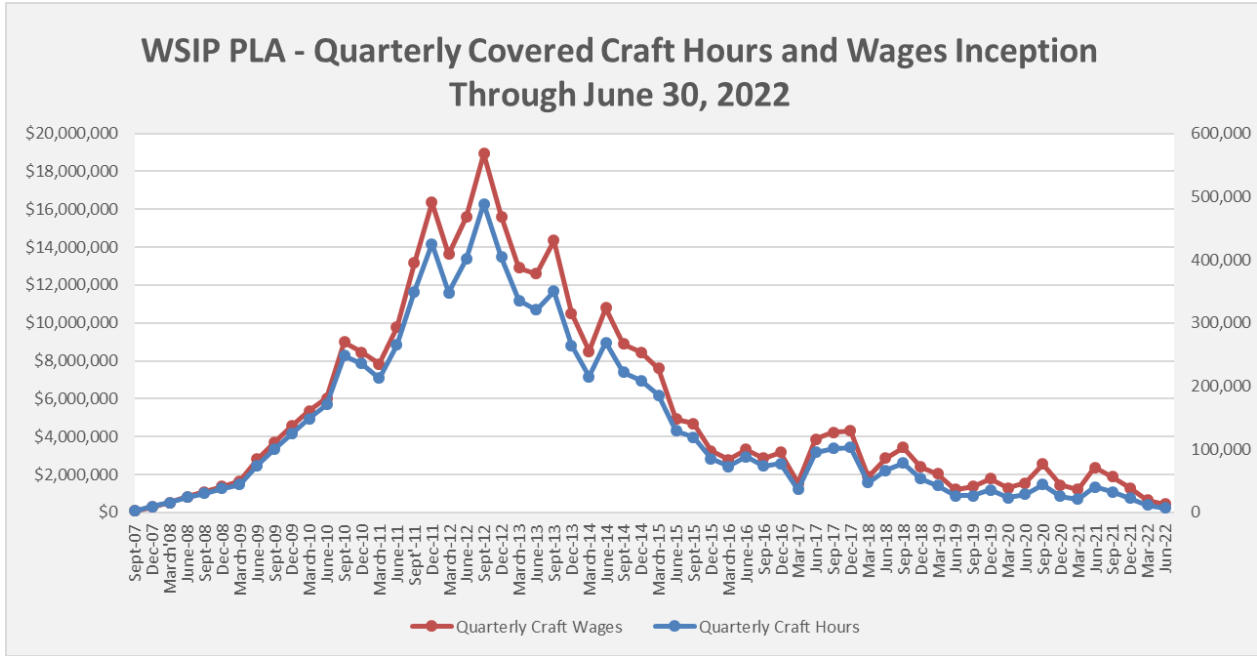
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending June 30, 2022, 16,143 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,868,496 craft hours and \$358,911,840 in craft wages.

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

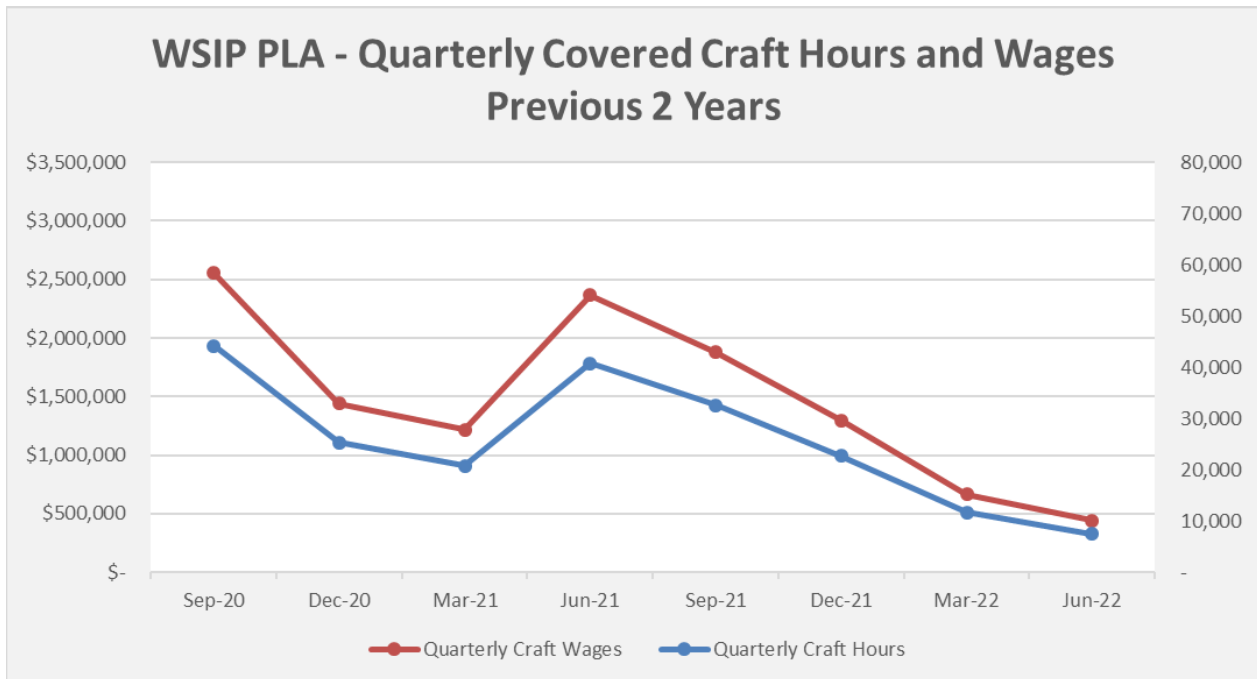


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 99.2% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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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.

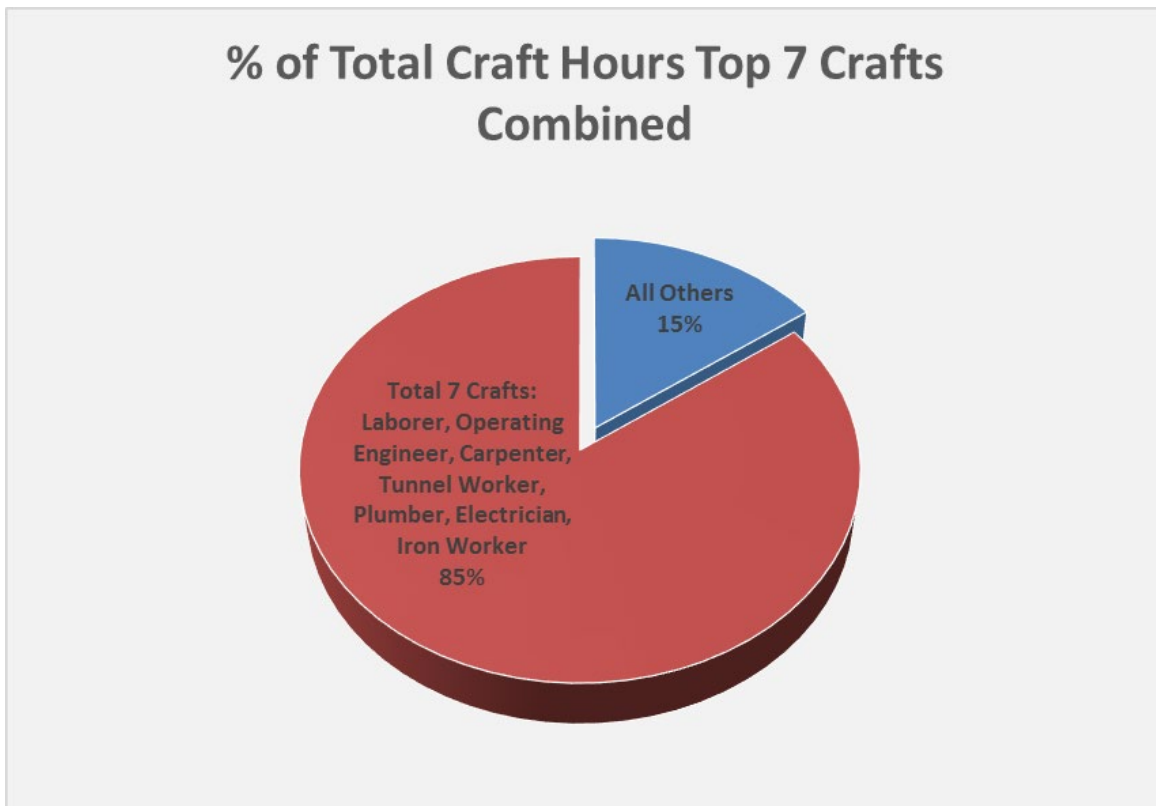
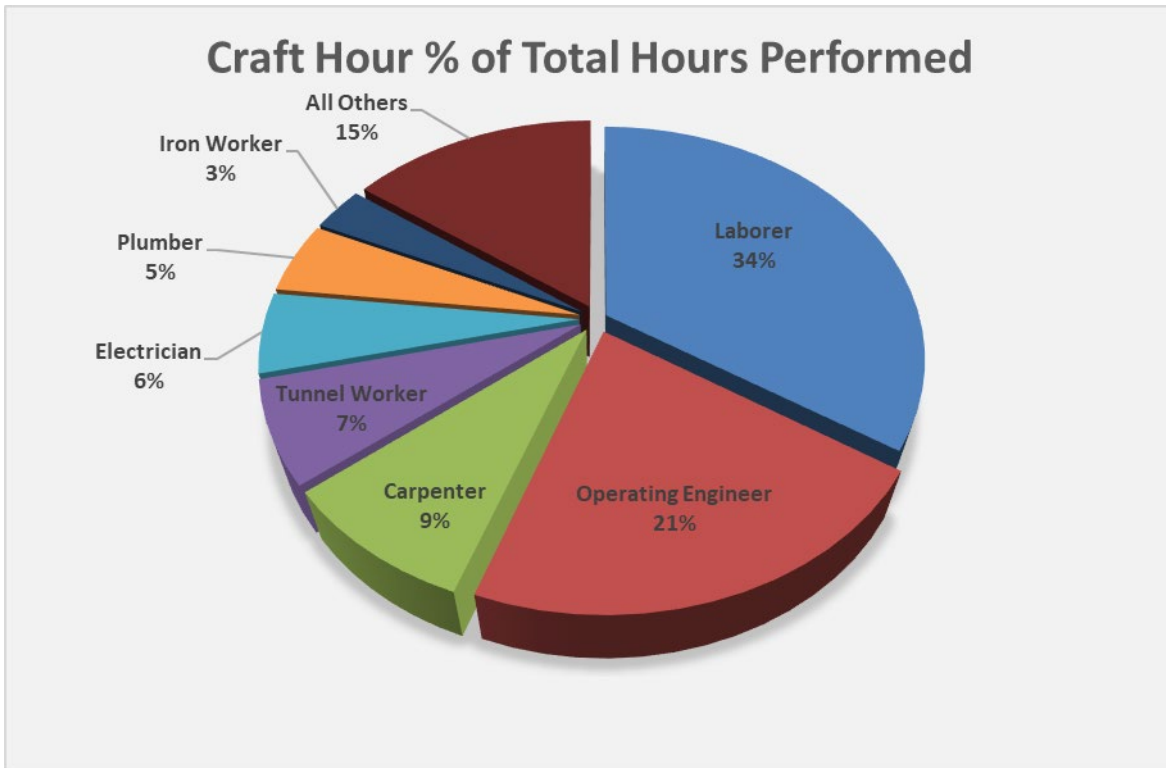
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

Cumulative Employment by Craft					
Inception Through June 30, 2022					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
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

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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.



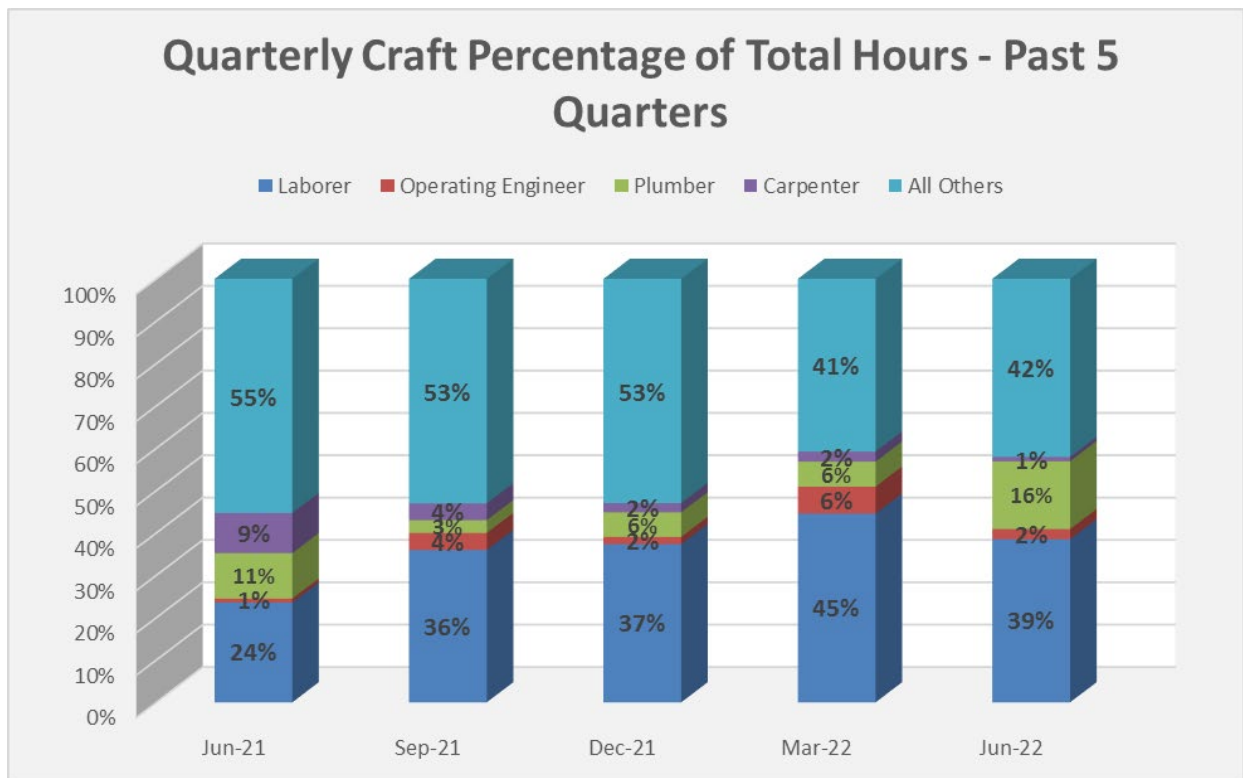
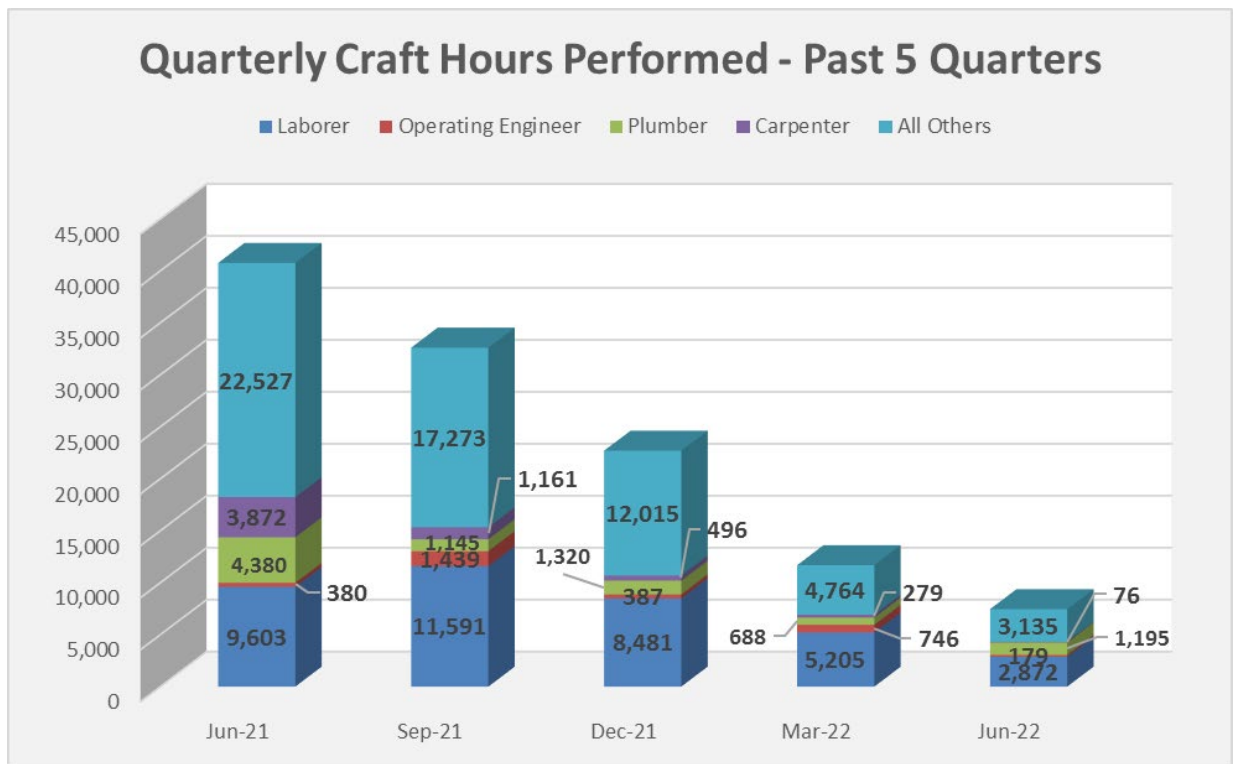
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 6-30-2022 Hours	Quarter Ending 6-30-2022 Wages
Laborer	3,030,021	\$ 94,917,769	2,872	\$ 114,627
Operating Engineer	1,861,080	\$ 78,706,641	179	\$ 10,648
Carpenter	772,833	\$ 33,206,764	76	\$ 4,386
Tunnel Worker	612,964	\$ 26,175,557	-	\$ -
Electrician	537,315	\$ 29,748,481	1,571	\$ 134,444
Plumber	461,572	\$ 22,541,582	1,195	\$ 96,706
Iron Worker	279,546	\$ 9,746,212	-	\$ -
Pile Driver	181,764	\$ 9,710,884	-	\$ -
Painter	158,107	\$ 6,308,852	756	\$ 42,038
Cement Mason	129,935	\$ 4,580,048	-	\$ -
Boilermaker	121,771	\$ 6,494,850	-	\$ -
Building/Construction Inspector	88,896	\$ 5,008,013	4	\$ 208
Roofer	51,003	\$ 1,743,006	-	\$ -
Sheet Metal Worker	32,072	\$ 1,697,011	74	\$ 5,385
Field Surveyor	22,231	\$ 1,268,962	16	\$ 874
Glazier	13,971	\$ 712,075	141	\$ 8,345
Drywall Installer/Lather	13,762	\$ 619,628	-	\$ -
Plasterer	12,832	\$ 483,027	384	\$ 16,184
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	1,734	\$ 103,276	5	\$ 301
Brick Tender	993	\$ 34,361	-	\$ -
Tile Setter	677	\$ 28,192	-	\$ -
Driver	617	\$ 57,899	-	\$ -
Tile Finisher	523	\$ 13,087	-	\$ -
Carpet Layer	383	\$ 17,624	29	\$ 1,313
Terrazzo Worker	284	\$ 12,763	85	\$ 4,600
Elevator	268	\$ 19,735	30	\$ 2,124
Sprinkler Fitter	136	\$ 9,238	-	\$ -
Terrazzo Finisher	45	\$ 1,649	41	\$ 1,488
Marble Finisher	40	\$ 1,342	-	\$ -
Total	8,407,255	\$ 334,898,399	7,456	\$ 443,671
Teamster	136,091	\$ 6,428,995	-	\$ -
Driver (On/Off-Hauling To/From Construction Site)	99,715	\$ 7,475,296	-	\$ -
Operating Engineer (Heavy And Highway Work) (Special Rate)	95,289	\$ 4,512,513	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	79,393	\$ 3,676,393	-	\$ -
Asbestos Removal Worker (Laborer)	17,121	\$ 437,612	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	13,201	\$ 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 - Heavy And Highway Work)	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	\$ 10,082	-	\$ -
Ironworker (Db)	80	\$ 2,772	-	\$ -
Teamster (Special Single Shift Rate)	11	\$ 291	-	\$ -
Total Non-Apprenticeable	461,241	\$ 24,013,441	-	\$ -
Total Apprenticable	8,407,255	\$ 334,898,399	7,456	\$ 443,671
Total WSIP PLA	8,868,496	\$ 358,911,840	7,456	\$ 443,671

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

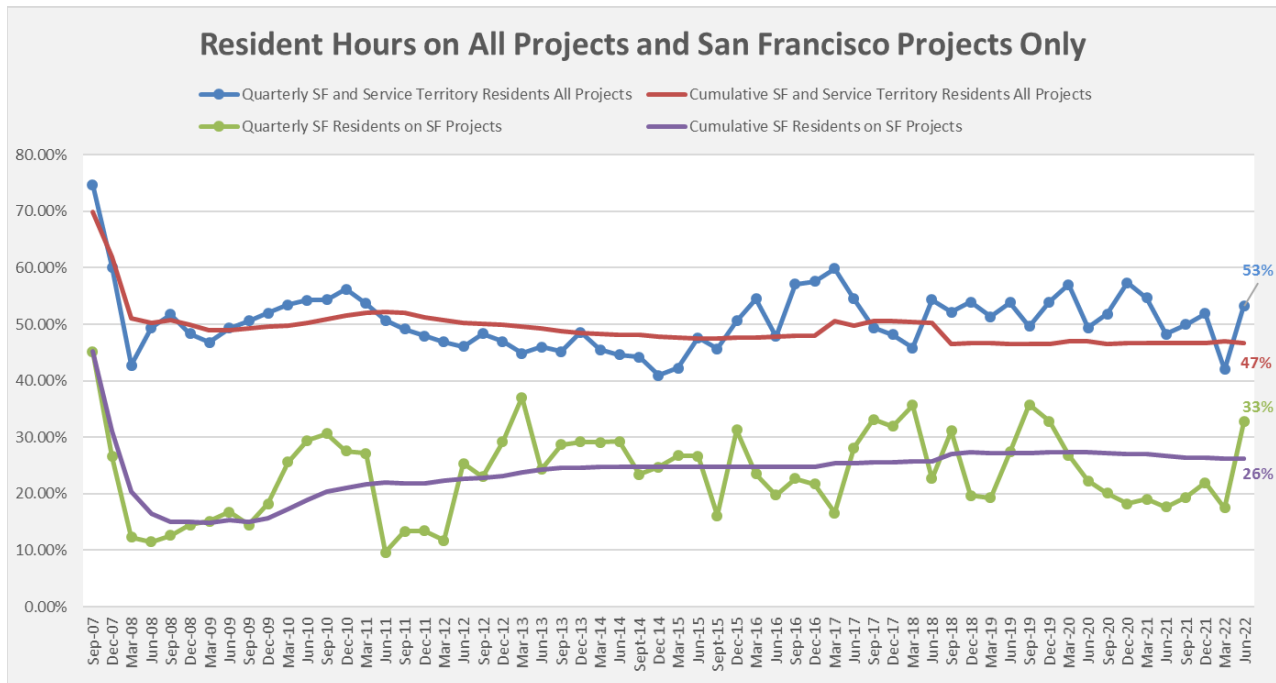


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Worker Residence on the WSIP PLA

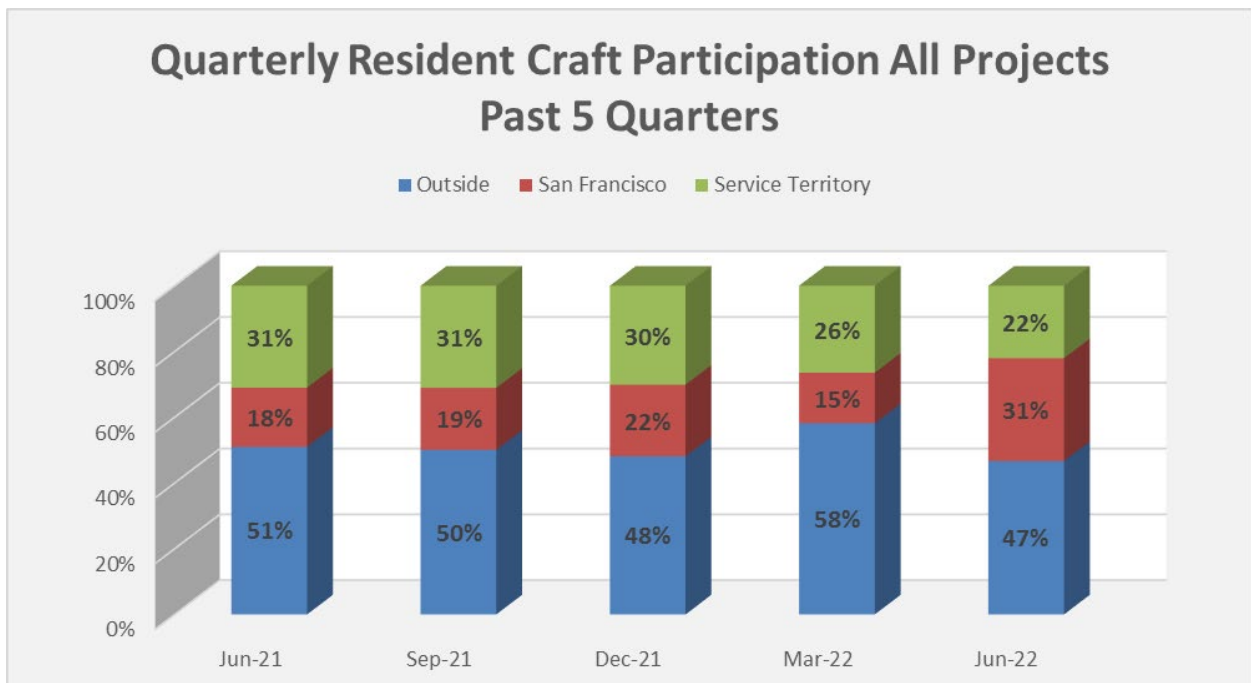
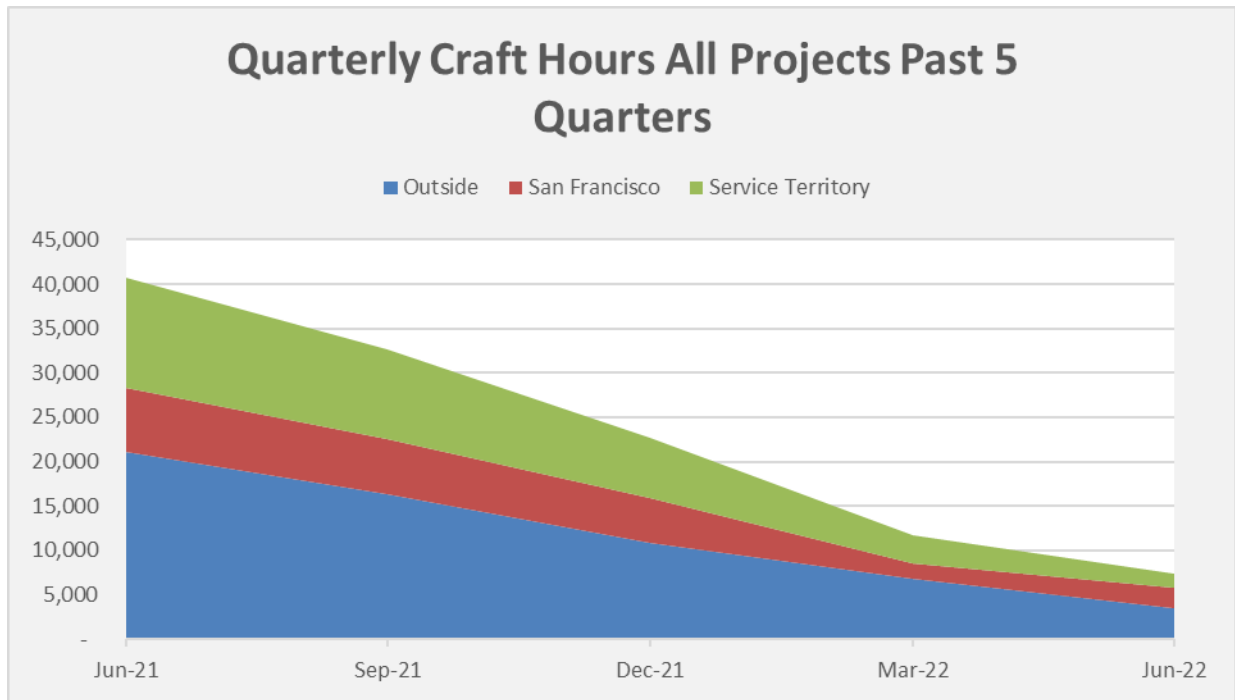
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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.



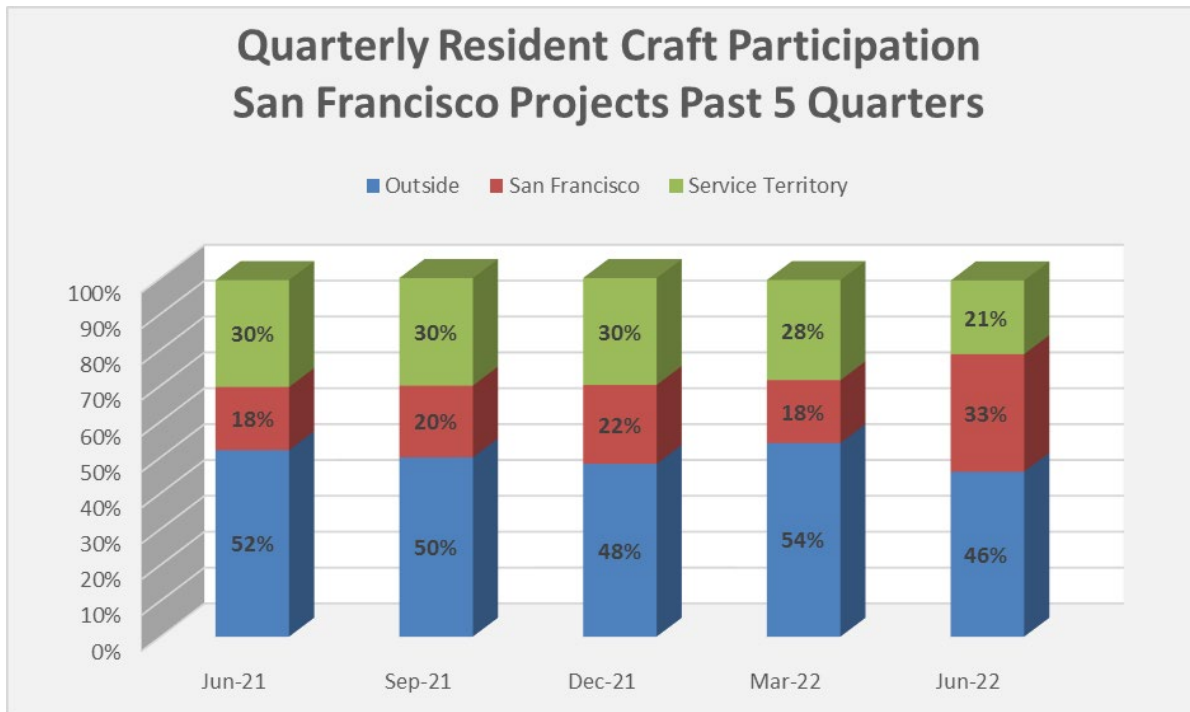
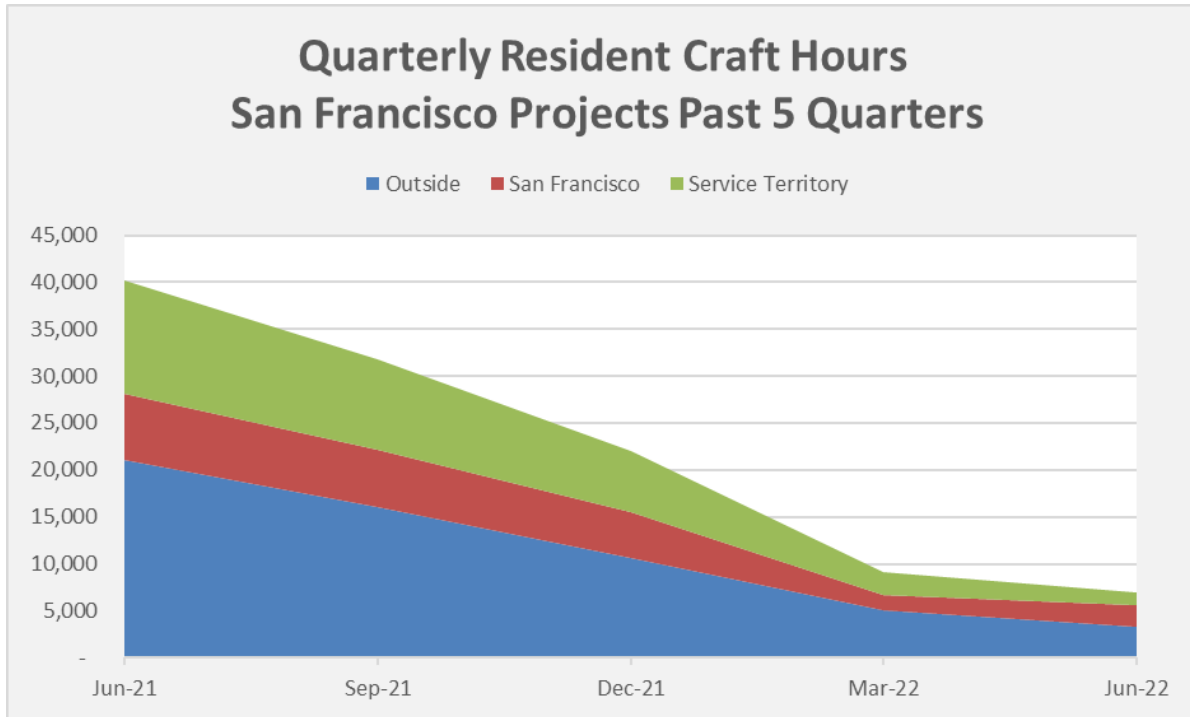
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Residence on ALL WSIP PLA Projects - Charted are the 62 projects covered under the WSIP PLA within San Francisco and the Service Territory.



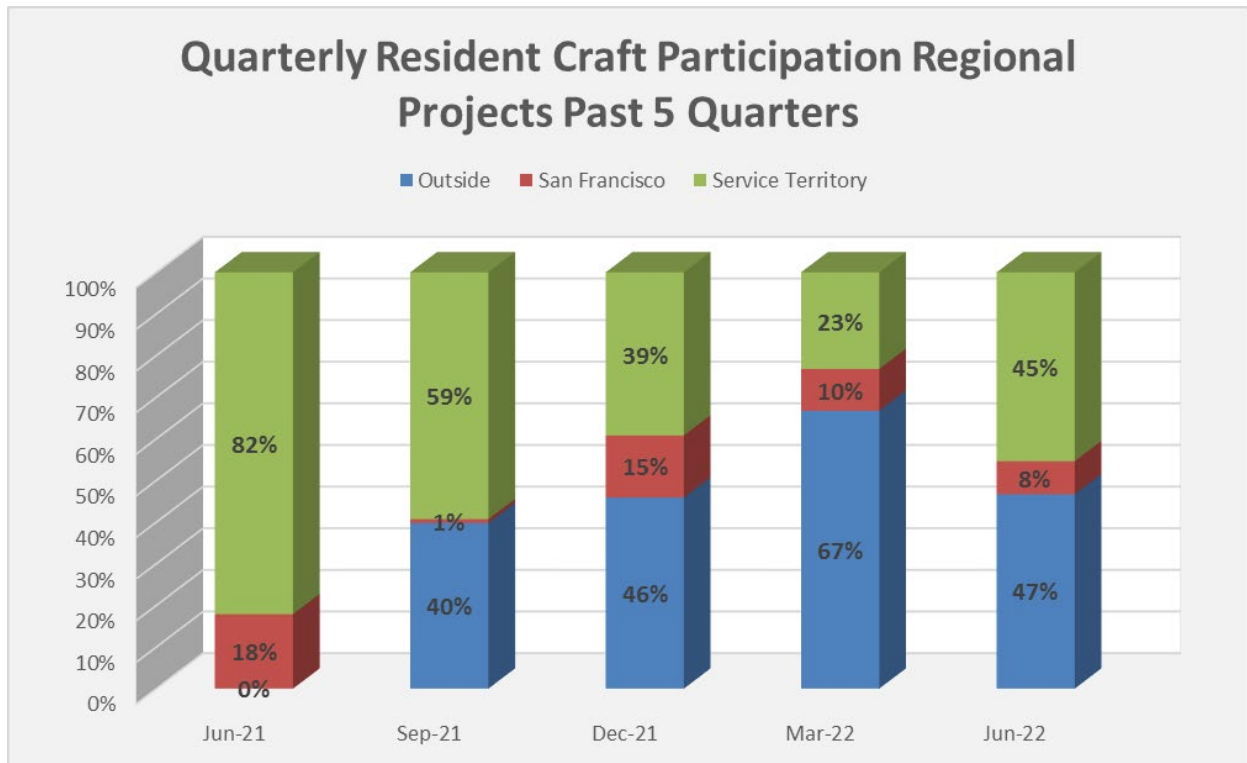
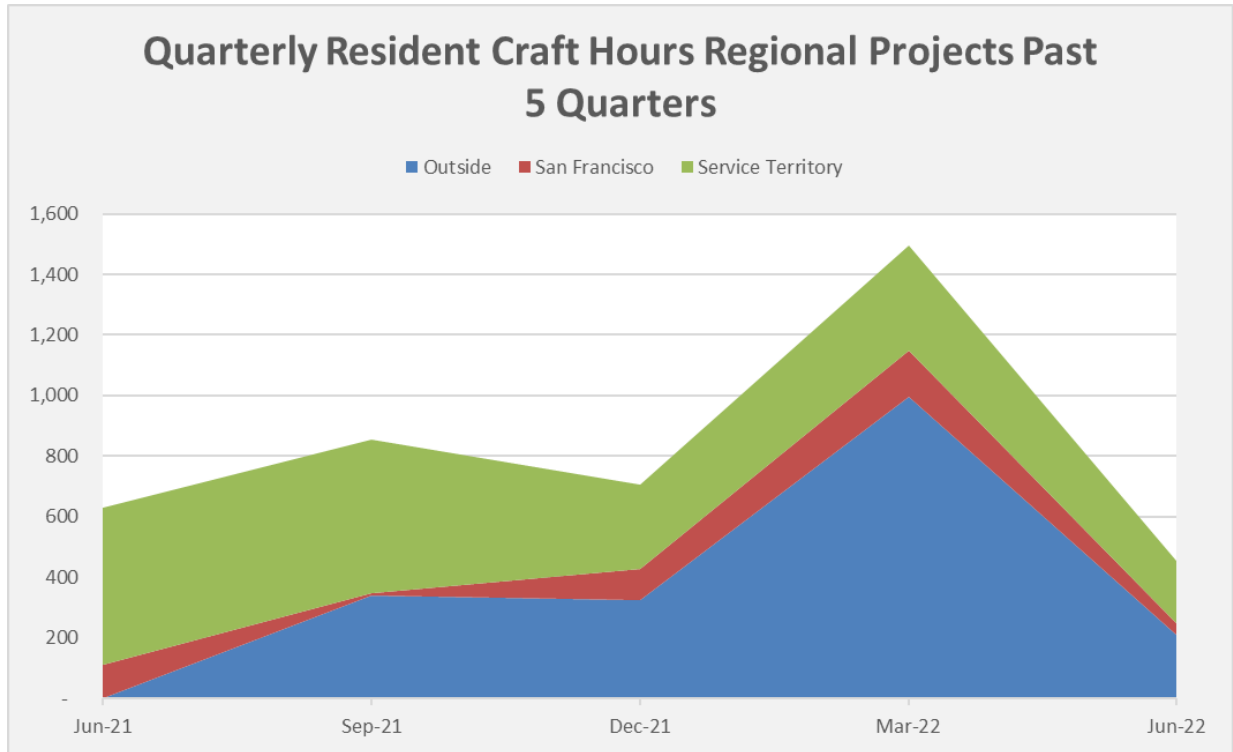
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.



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



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Residence by County

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence					
Inception Through June 30, 2022					
County	Total Craft Hours	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

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San Francisco Residents by ZIP Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through June 30, 2022					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker 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	9
94127	15,928	\$ 734,873	2.4%	25	8
94132	11,023	\$ 444,635	1.7%	39	5
94117	10,718	\$ 291,982	1.6%	18	5
94107	10,421	\$ 397,567	1.6%	35	5
94102	8,860	\$ 388,268	1.3%	24	4
94133	8,428	\$ 339,010	1.3%	15	4
94131	8,279	\$ 292,395	1.3%	32	4
94109	5,276	\$ 173,093	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	1,088	\$ 45,921	0.2%	10	1
94123	985	\$ 45,480	0.1%	5	0
94111	915	\$ 21,546	0.1%	3	0
94104	677	\$ 22,206	0.1%	3	0
94129	447	\$ 14,182	0.1%	1	0
94188	366	\$ 9,790	0.1%	3	0
94140	288	\$ 11,589	0.0%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94158	126	\$ 6,783	0.0%	7	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
Total	657,646	\$ 26,131,885	100.0%	1,538	316
WSIP-PLA Total	8,868,496	\$ 358,911,840	-	16,143	4,264

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Residence by Craft

Sorted by Total Hours

Cumulative Employment of Residents 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 Work)	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-Heavy)	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-Heavy)	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 Engineer)	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 (Laborer)	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%

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Residence by Project

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project Craft Employment Summary Through June 30, 2022							
Project	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 Upgrade	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	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	243 004	52 915	66 807	123 282	21.8%	27.5%	50.7%
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%	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%	31.7%
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	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-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%
WD-2573 - Pulgas Balancing Reservoir Structural Rehab	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
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	36,912	6,228	10,481	20,203	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	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%
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-2852R - SF Westside Recycled Water Irrigation System Retrofits	11 212	4 303	3 420	3 490	38.4%	30.5%	31.1%
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 Channel	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	2,371	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%
Total WSIP PLAs	8,868,496	657,646	3,482,177	4,728,673	7.4%	39.3%	53.3%

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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.

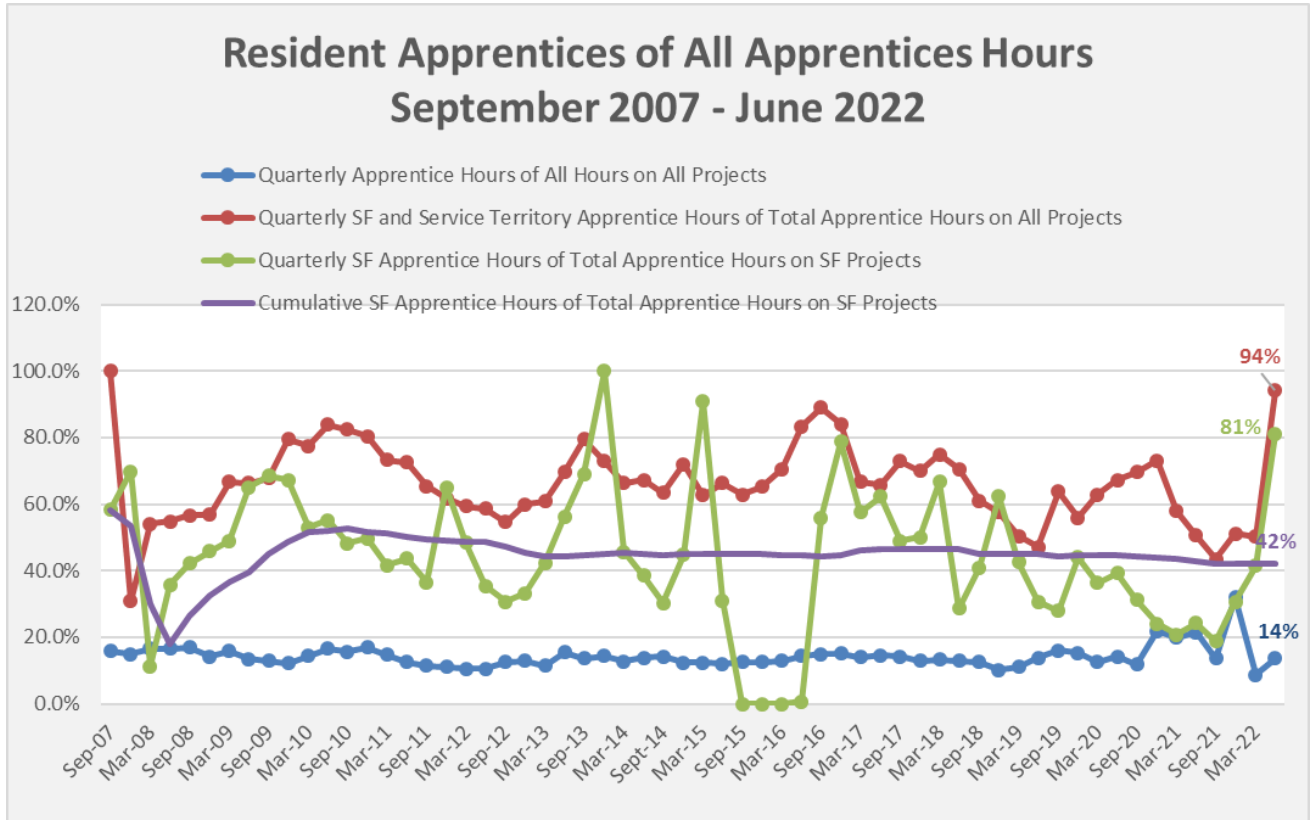
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.4% of apprentice hours were worked by San Francisco residents and 52.8% were worked by residents of the Regional Service Territory, or 69.2% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			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										

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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.



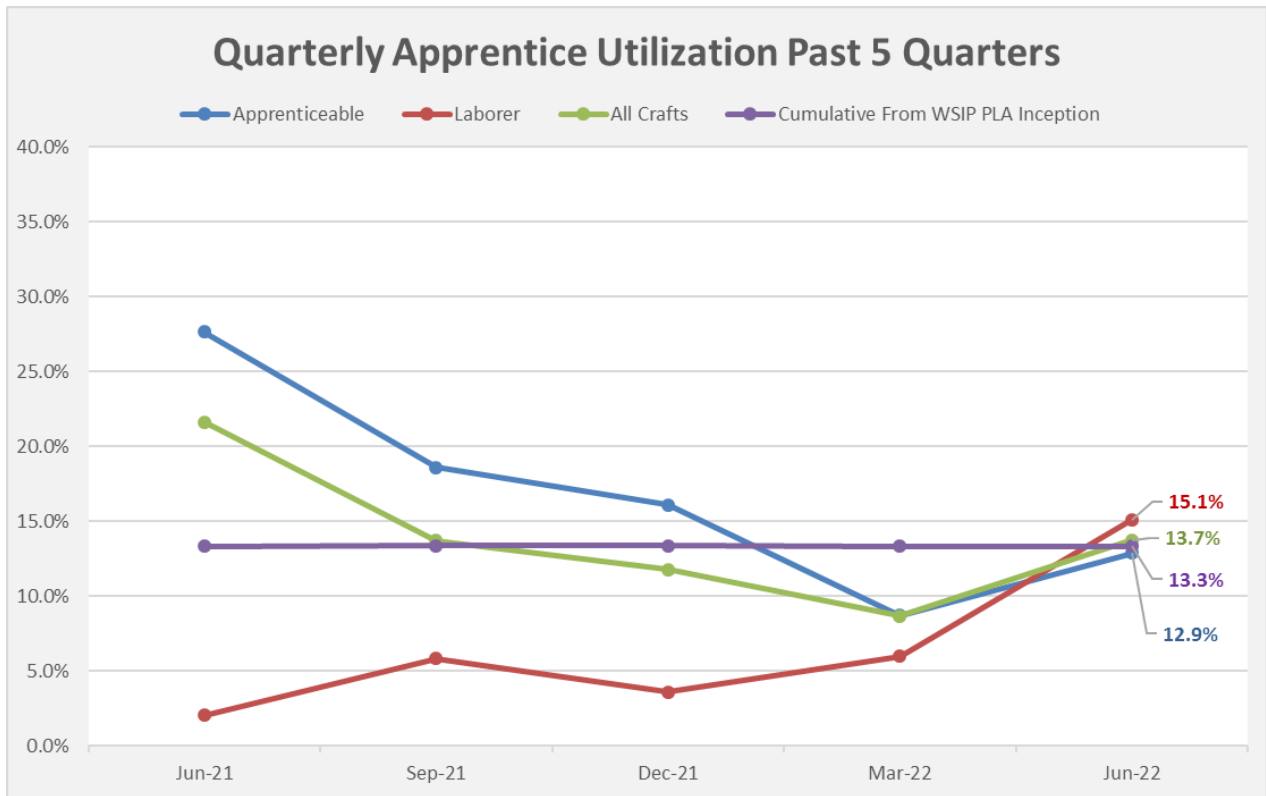
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through June 30, 2022											
Project	Apprentice Utilization By Project										
	All Workers Hours				Apprentice Hours				Apprentice Utilization %		
	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%
WD-2729 - Fish Passage Faci	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 R	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%	14.2%
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	165,771	103,443	1,079	61,250	164,692	18,483	7,473	25,956	17.9%	12.2%	15.8%
WD-2809 - SF Groundwater Su	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 I	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
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%	19.3%
WD-2469 - Forest Knolls Pump	26,553	17,167	31	9,355	26,522	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-2589 - SCADA System Ph	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	7.7%
WD-2640 - Bioregional Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2552 - Alameda Siphon Nd	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	9,202	69,487	118,561	7,559	5,394	12,953	15.4%	7.8%	10.9%
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 Cr	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 Pipeli	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 Protecti	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 Ten	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 Ped	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2542 - Bay Division Pipelin	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%	5.6%
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%	6.5%
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 Pipelin	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 Transm	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%	8.2%
WD-2852R - SF Westside Rec	11,212	324	47	10,841	11,165	18	848	866	5.5%	7.8%	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	8,868,496	5,377,234	459,190	3,032,072	8,409,306	712,214	407,439	1,119,653	13.2%	13.4%	13.3%

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



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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.

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WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary	
Tests Administered to Individuals Cleared to Work Through 6/30/2022	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Project	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	410
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	268
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 Project	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 Project	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 Project - Bay 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 Project- 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-2882 - Trousedale Oaks Trees Removal	4
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	-
Total Cleared	15,238

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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.

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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.