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WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended December 31, 2020 (Second Quarter FY 2020-2021)

San Francisco Public Utilities Commission
Water System Improvement Program Project Labor Agreement
Quarterly Report – Second Quarter 2020-2021

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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 \$2.218 billion in original contract award through December 31, 2020.

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, 15,781 construction workers were employed for 8,732,453 hours and earned wages of \$351,042,179 on WSIP PLA-covered projects.
- 1,471 San Francisco residents worked 630,010 hours and earned \$24,638,884 on WSIP PLA-covered projects representing 7% of covered hours and 303 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. 6,416 residents of the Regional Service Territory earned wages of \$133,779,275 and worked 3,440,809 hours, representing 39% of covered hours and 1,654 full-time equivalent worker years.
- 15,169 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of December 31, 2020. 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, 2020			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	15,781	8,732,453	\$ 351,042,179	4,198
San Francisco	1,471	631,010	\$ 24,638,884	303
SFPUC Service Territory	6,416	3,440,809	\$ 133,779,275	1,654
Outside	7,894	4,660,635	\$ 192,624,020	2,241

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Construction Activity Highlights – Quarter Ending December 31, 2020

Contracting:

- There were no contracts awarded during the reporting period.

Employment:

- 280 construction workers were employed for 25,381 hours and earned wages of \$1,442,858 on WSIP PLA-covered projects.
- 54 San Francisco residents worked 5,819 hours and earned wages of \$315,930 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, 92 residents of the Regional Service Territory worked 8,742 hours and earned wages of \$447,165 on WSIP PLA-covered projects.
- 40 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and one individual was prevented from working as the result of a positive test.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending December 31, 2020			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	280	25,381	\$ 1,442,858	12
San Francisco	54	5,819	\$ 315,930	3
SFPUC Service Territory	92	8,742	\$ 447,165	4
Outside	134	10,821	\$ 679,763	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, 2020						
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$	
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation Syste	\$3 Million	\$ 2,483,525	
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	\$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 Ch	\$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 Facil	\$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 Water	\$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	\$ 32,372,335	
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 P	\$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 Andrea	\$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	Aleman 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					\$ 2,218,827,955	

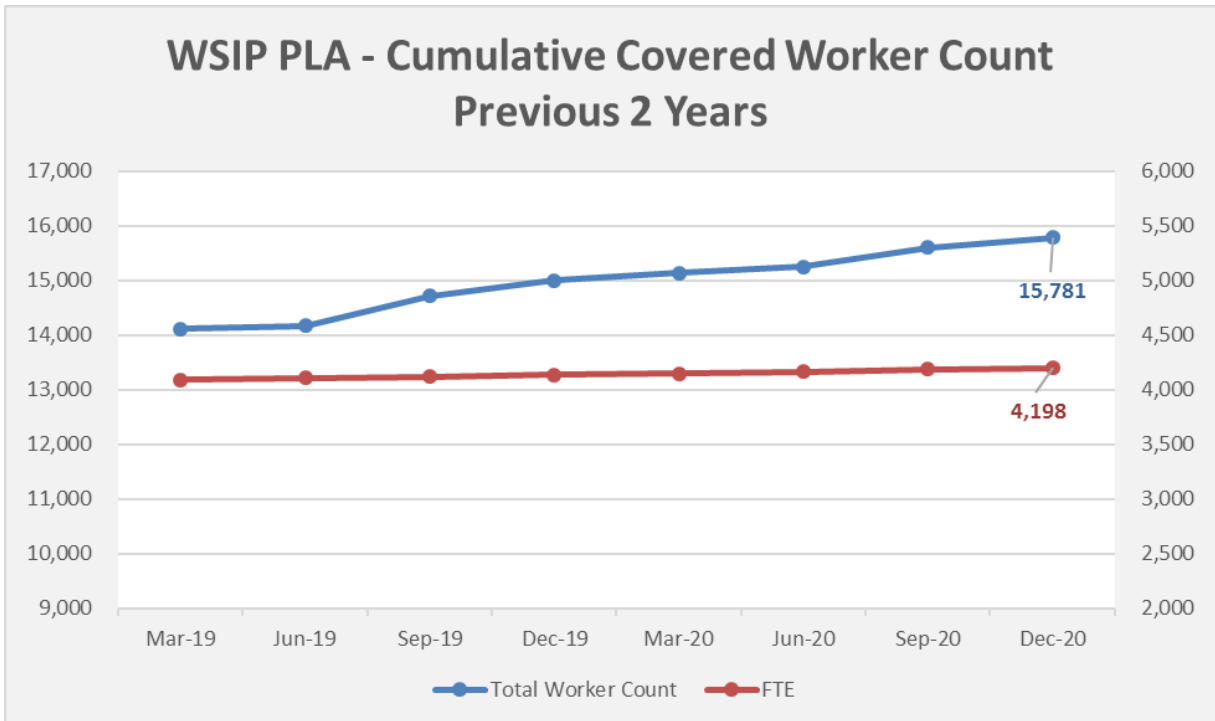
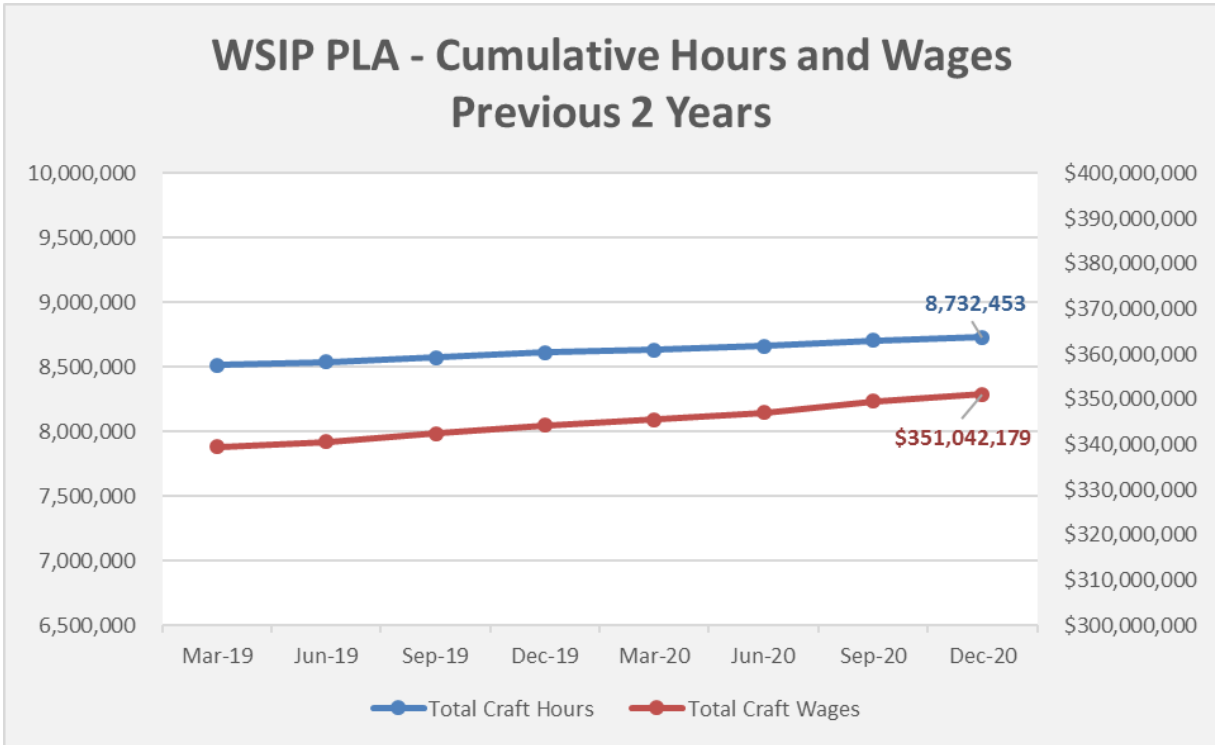
* indicates projects located in San Francisco

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Summary Charts

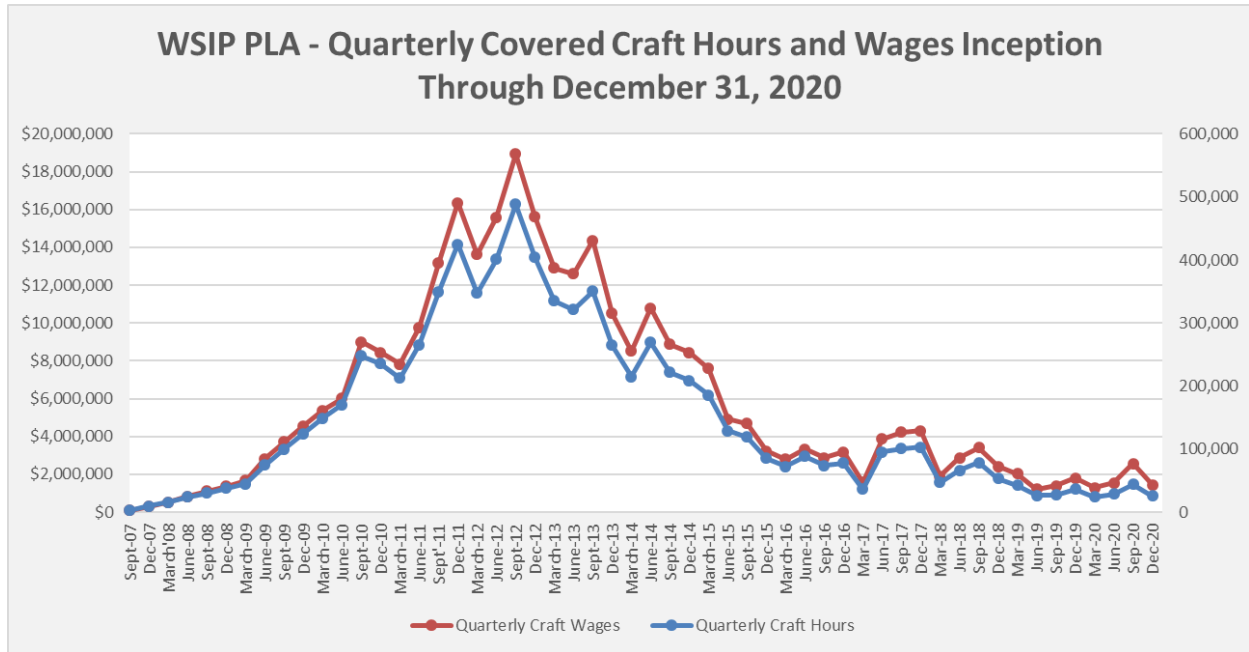
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending December 31, 2020, 15,781 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,732,453 craft hours and \$351,042,179 in craft wages.

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

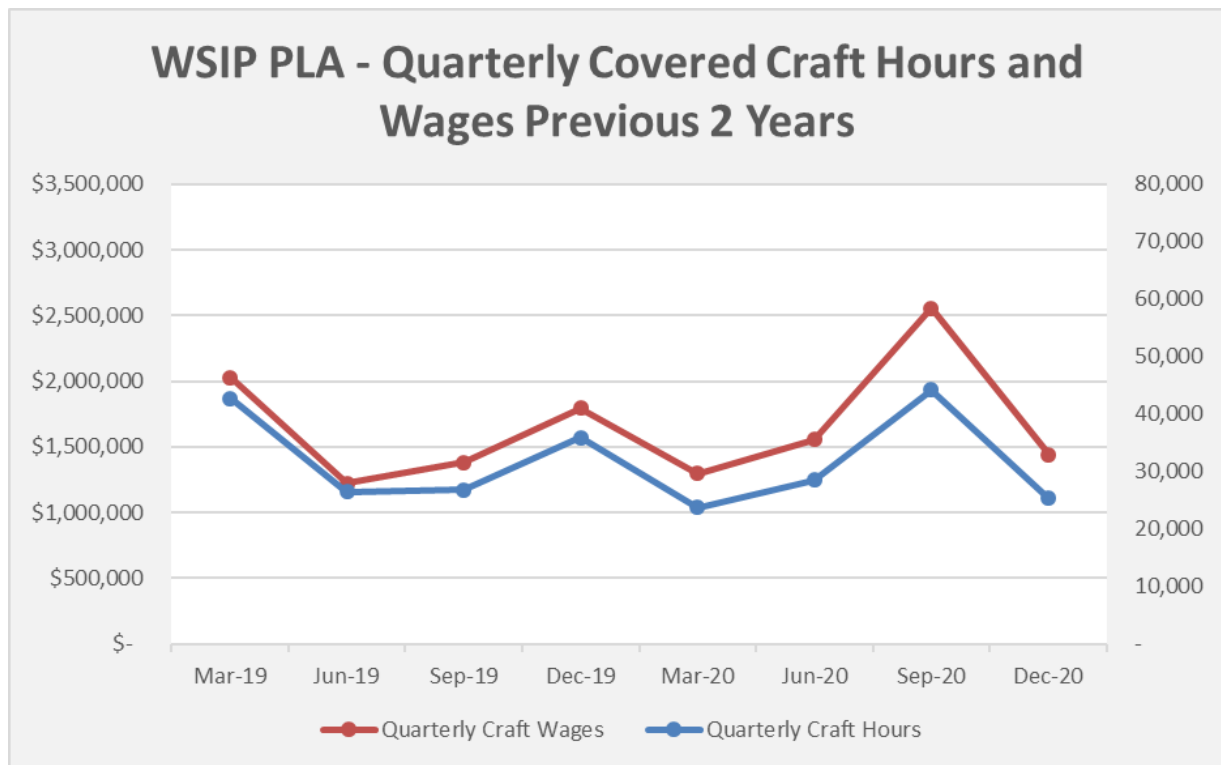


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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, 2020, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 31 craft areas.

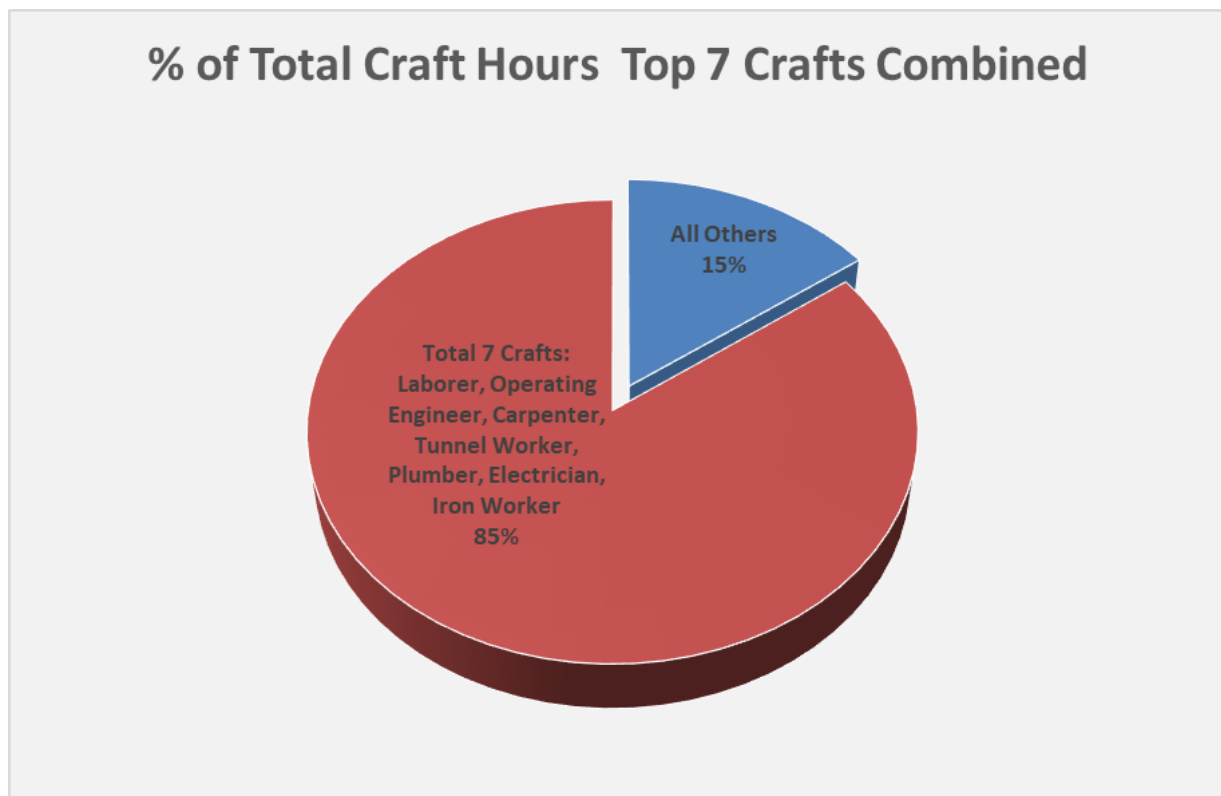
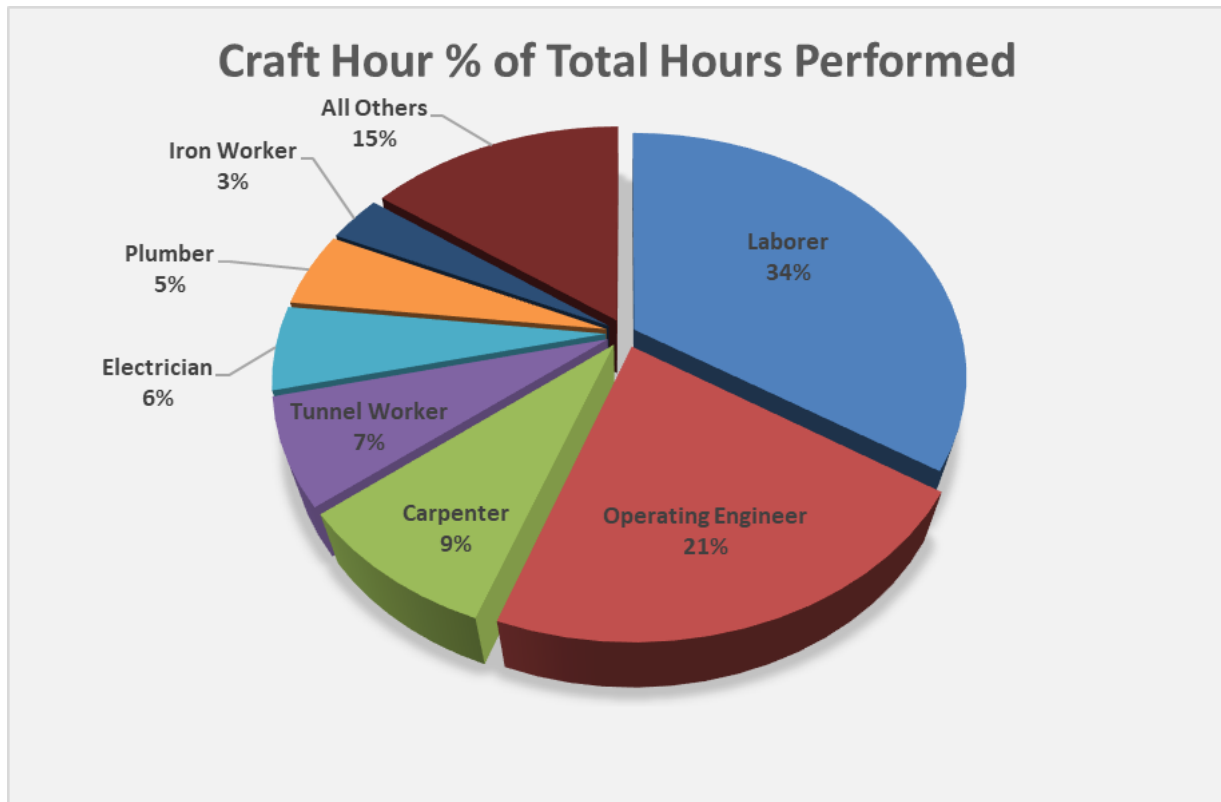
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

Cumulative Employment by Craft					
Inception Through December 31, 2020					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
Laborer	2,987,266	\$ 93,166,691	34.2%	26.5%	1,436
Operating Engineer	1,857,090	\$ 78,404,785	21.3%	22.3%	893
Carpenter	765,182	\$ 32,766,704	8.8%	9.3%	368
Tunnel Worker	612,964	\$ 26,175,557	7.0%	7.5%	295
Electrician	496,079	\$ 26,683,578	5.7%	7.6%	238
Plumber	449,230	\$ 21,658,930	5.1%	6.2%	216
Iron Worker	277,026	\$ 9,637,638	3.2%	2.7%	133
Top 7 Sub-Total	7,444,837	\$ 288,493,882	85.3%	82.2%	3,579
Pile Driver	181,764	\$ 9,710,884	2.1%	2.8%	87
Painter	151,835	\$ 5,980,839	1.7%	1.7%	73
Cement Mason	128,556	\$ 4,524,745	1.5%	1.3%	62
Boilermaker	121,771	\$ 6,494,850	1.4%	1.9%	59
Building/Construction Inspector	88,866	\$ 5,006,218	1.0%	1.4%	43
Roofer	50,048	\$ 1,705,160	0.6%	0.5%	24
Sheet Metal Worker	29,929	\$ 1,551,290	0.3%	0.4%	14
Field Surveyor	22,095	\$ 1,262,291	0.3%	0.4%	11
Drywall Installer/Lather	12,834	\$ 569,208	0.1%	0.2%	6
Plasterer	11,222	\$ 415,086	0.1%	0.1%	5
Bricklayer	8,899	\$ 341,242	0.1%	0.1%	4
Electrical Utility Lineman	6,909	\$ 425,367	0.1%	0.1%	3
Glazier	5,180	\$ 252,080	0.1%	0.1%	2
Metal Roofing Systems Installer	2,586	\$ 92,217	0.0%	0.0%	1
Asbestos Worker, Heat and Frost Insu	1,259	\$ 71,950	0.0%	0.0%	1
Brick Tender	895	\$ 30,418	0.0%	0.0%	0
Driver	557	\$ 56,185	0.0%	0.0%	0
Carpet Layer	354	\$ 16,311	0.0%	0.0%	0
Tile Setter	351	\$ 12,929	0.0%	0.0%	0
Tile Finisher	277	\$ 5,836	0.0%	0.0%	0
Terrazzo Worker	199	\$ 8,163	0.0%	0.0%	0
Sprinkler Fitter	64	\$ 4,417	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	826,491	\$ 38,539,191	9.5%	11.0%	397
Total Non-Apprenticeable	461,125	\$ 24,009,106	5.3%	6.8%	222
Total WSIP-Covered by PLA	8,732,453	\$ 351,042,179	100.0%	100.0%	4,198

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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, 2020. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 71% of craft hours worked on PLA-covered projects.



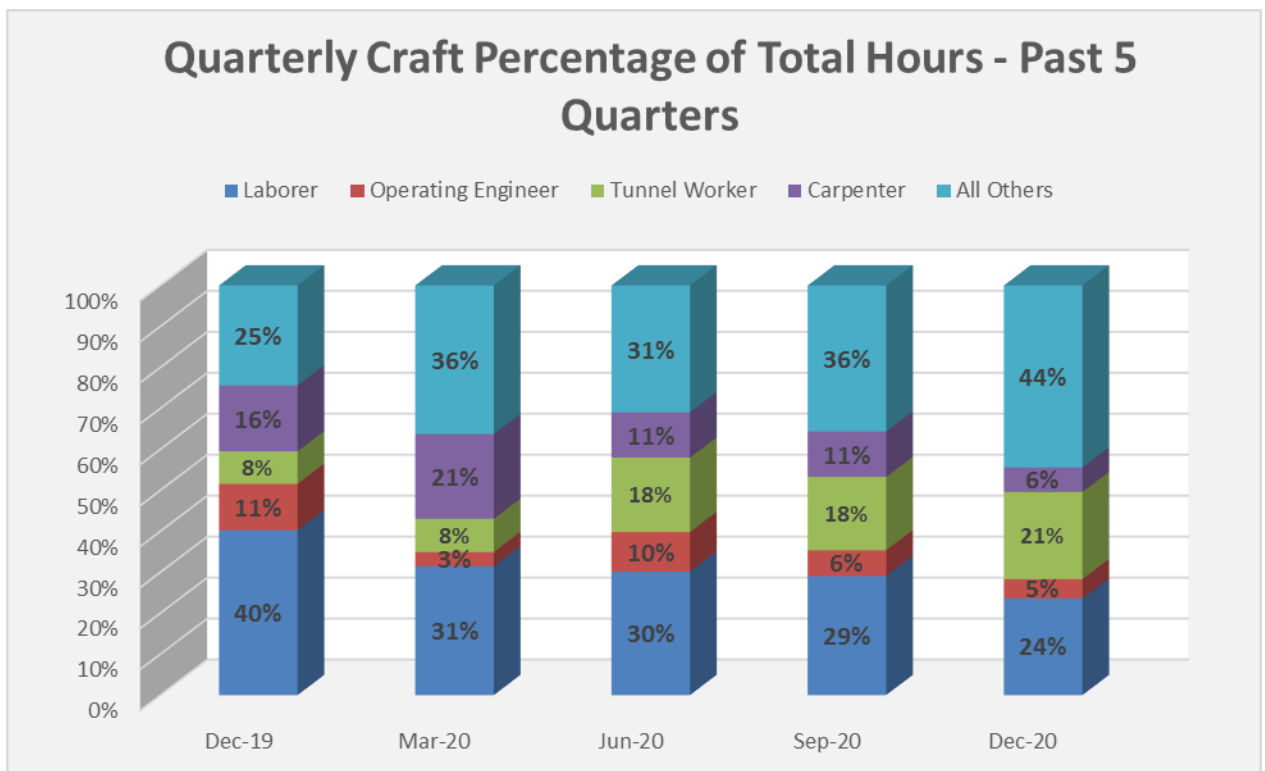
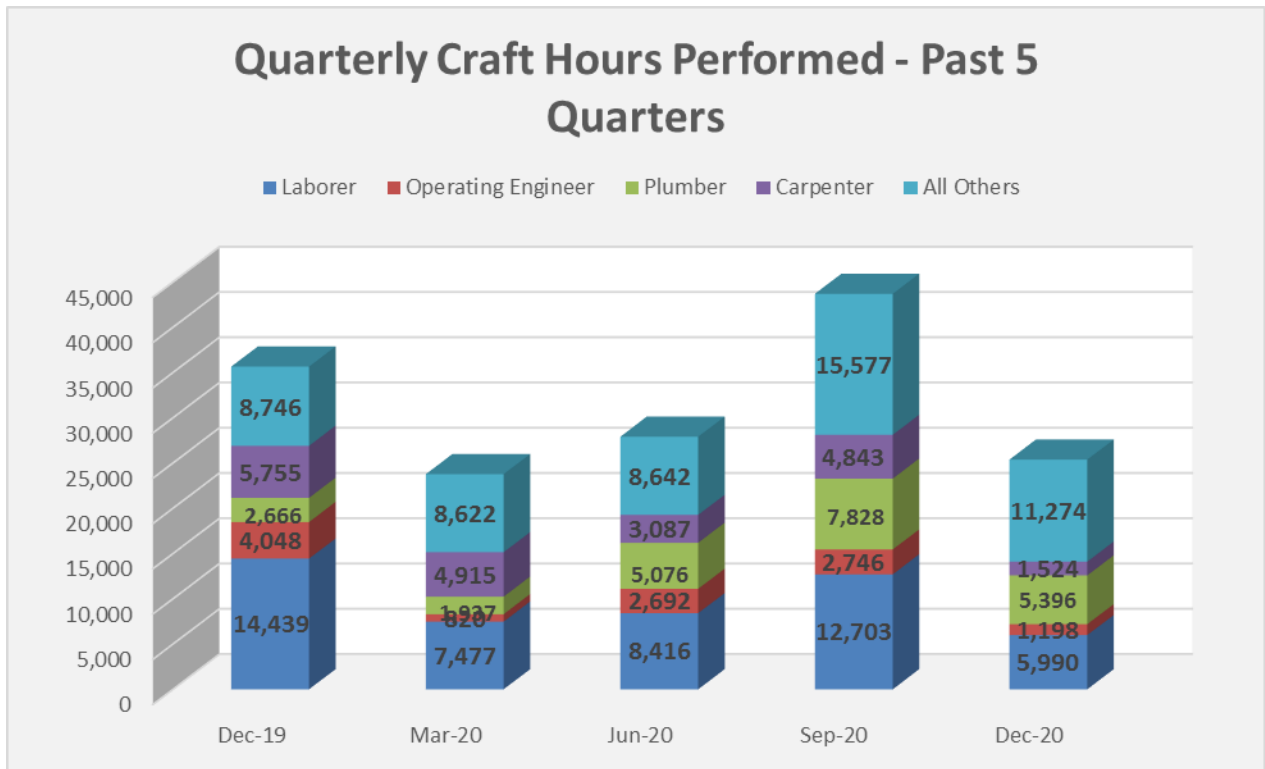
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 12-31-2020 Hours	Quarter Ending 12-31-2020 Wages
Laborer	2,987,266	\$ 93,166,691	5,990	\$ 242,465
Operating Engineer	1,857,090	\$ 78,404,785	1,198	\$ 73,449
Carpenter	765,182	\$ 32,766,704	1,524	\$ 89,437
Tunnel Worker	612,964	\$ 26,175,557	-	\$ -
Electrician	496,079	\$ 26,683,578	6,364	\$ 439,000
Plumber	449,230	\$ 21,658,930	5,396	\$ 354,644
Iron Worker	277,026	\$ 9,637,638	217	\$ 9,443
Pile Driver	181,764	\$ 9,710,884	-	\$ -
Painter	151,835	\$ 5,980,839	196	\$ 8,041
Cement Mason	128,556	\$ 4,524,745	96	\$ 3,153
Boilermaker	121,771	\$ 6,494,850	-	\$ -
Building/Construction Inspector	88,866	\$ 5,006,218	44	\$ 2,202
Roofer	50,048	\$ 1,705,160	1,024	\$ 43,550
Sheet Metal Worker	29,929	\$ 1,551,290	1,354	\$ 76,083
Field Surveyor	22,095	\$ 1,262,291	-	\$ -
Drywall Installer/Lather	12,834	\$ 569,208	1,073	\$ 56,944
Plasterer	11,222	\$ 415,086	139	\$ 5,456
Bricklayer	8,899	\$ 341,242	-	\$ -
Electrical Utility Lineman	6,909	\$ 425,367	-	\$ -
Glazier	5,180	\$ 252,080	346	\$ 14,902
Metal Roofing Systems Installer	2,586	\$ 92,217	-	\$ -
Asbestos Worker, Heat and Frost Insulator	1,259	\$ 71,950	339	\$ 16,166
Brick Tender	895	\$ 30,418	-	\$ -
Driver	557	\$ 56,185	-	\$ -
Carpet Layer	354	\$ 16,311	-	\$ -
Tile Setter	351	\$ 12,929	-	\$ -
Tile Finisher	277	\$ 5,836	-	\$ -
Terrazzo Worker	199	\$ 8,163	-	\$ -
Sprinkler Fitter	64	\$ 4,417	-	\$ -
Marble Finisher	40	\$ 1,342	-	\$ -
Terrazzo Finisher	4	\$ 160	-	\$ -
	8,271,328	327,033,074	25,299	1,434,935
Teamster	136,065	\$ 6,427,969	-	\$ -
Driver (On/Off-Hauling To/From Construction Site)	99,625	\$ 7,471,987	82	\$ 7,923
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	461,125	\$ 24,009,106	82	\$ 7,923
Total Apprenticable	8,271,328	\$ 327,033,074	25,299	\$ 1,434,935
Total WSIP PLA	8,732,453	\$ 351,042,179	25,381	\$ 1,442,858

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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.

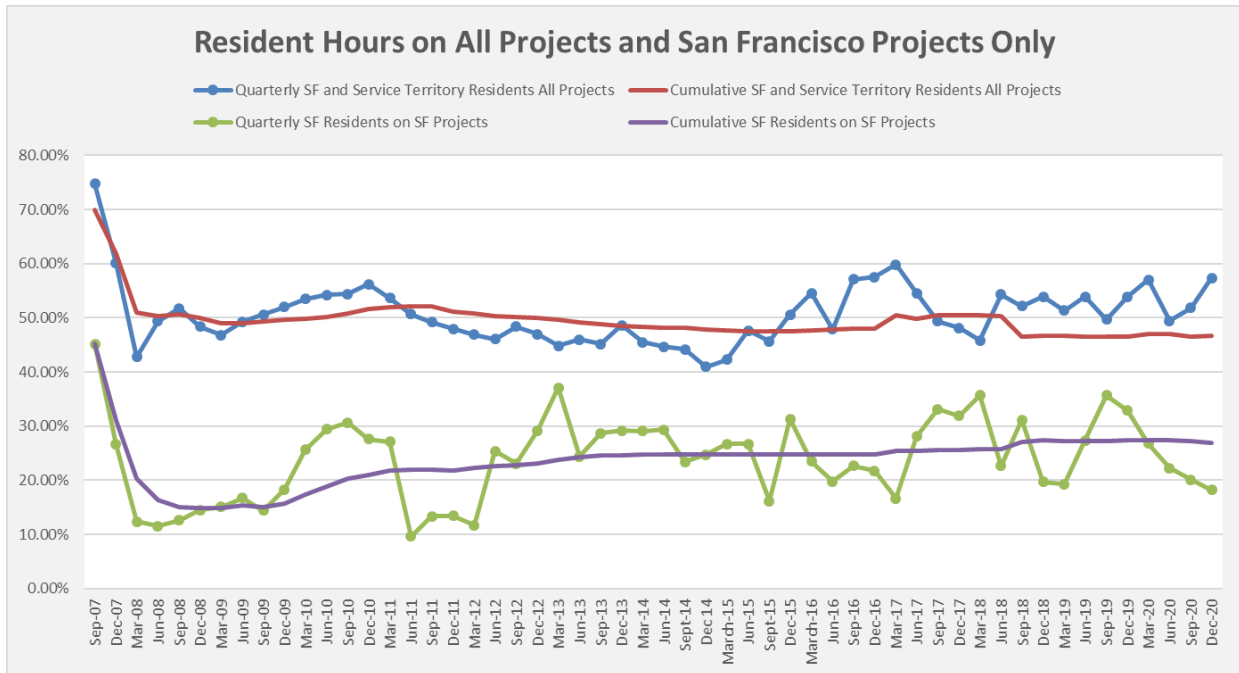


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Worker Residence on the WSIP PLA

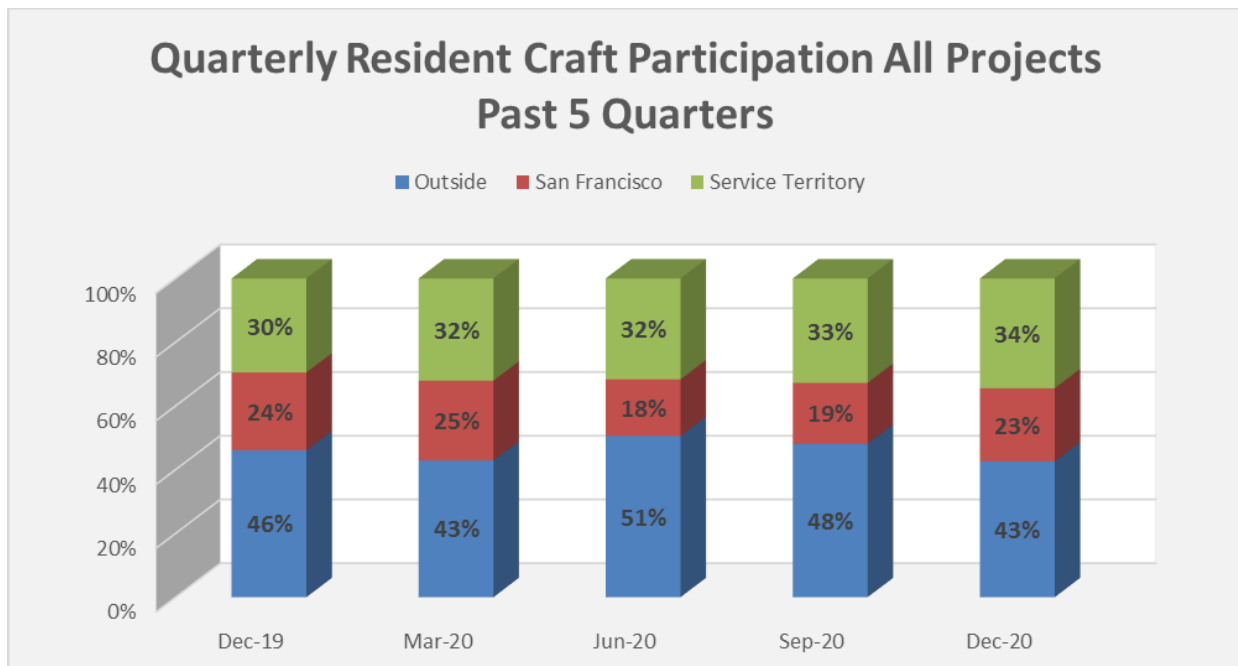
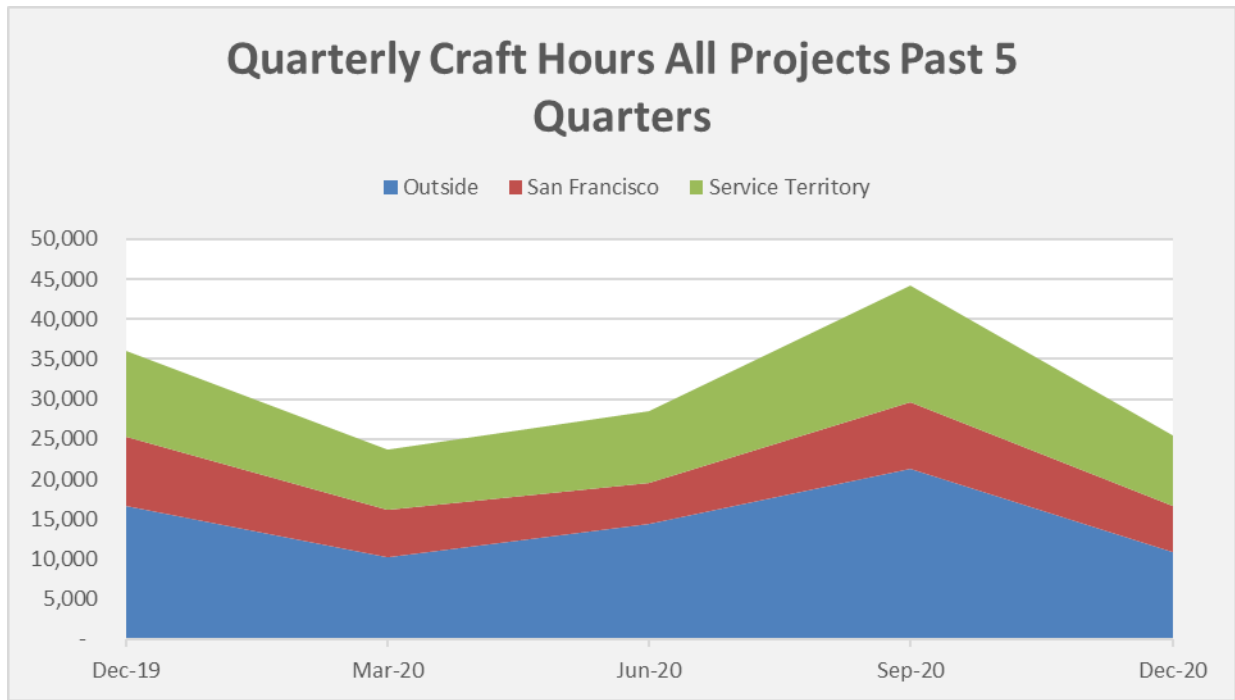
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through December 31, 2020.



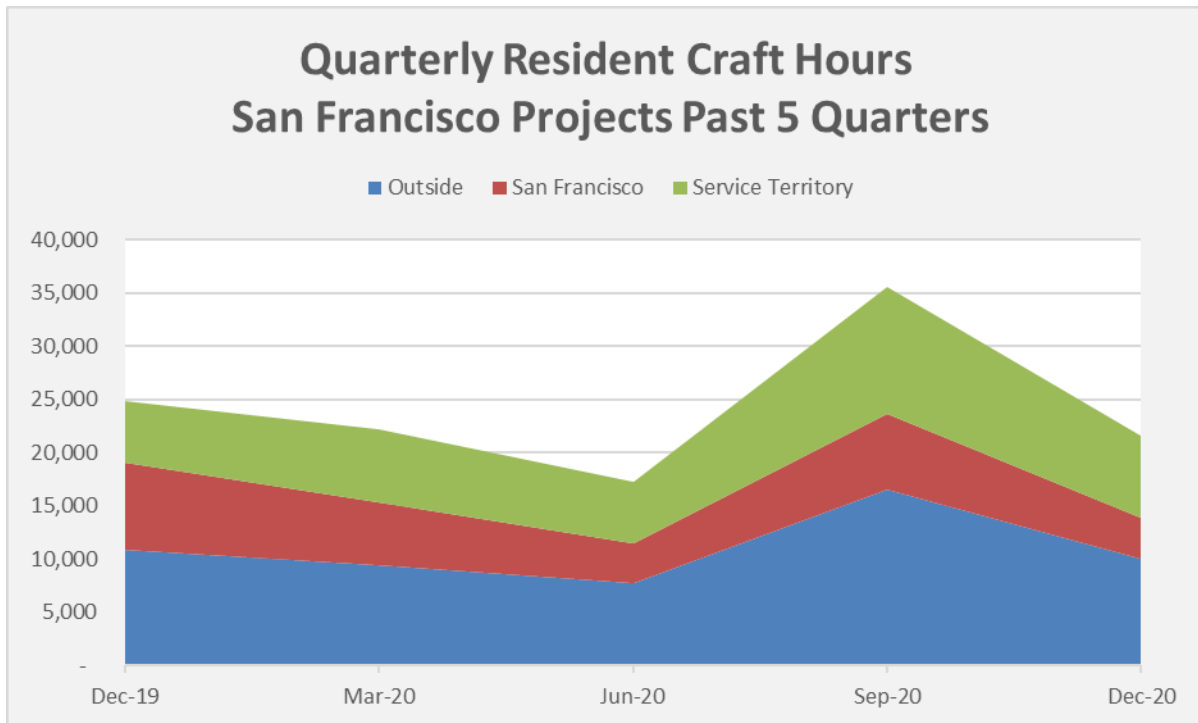
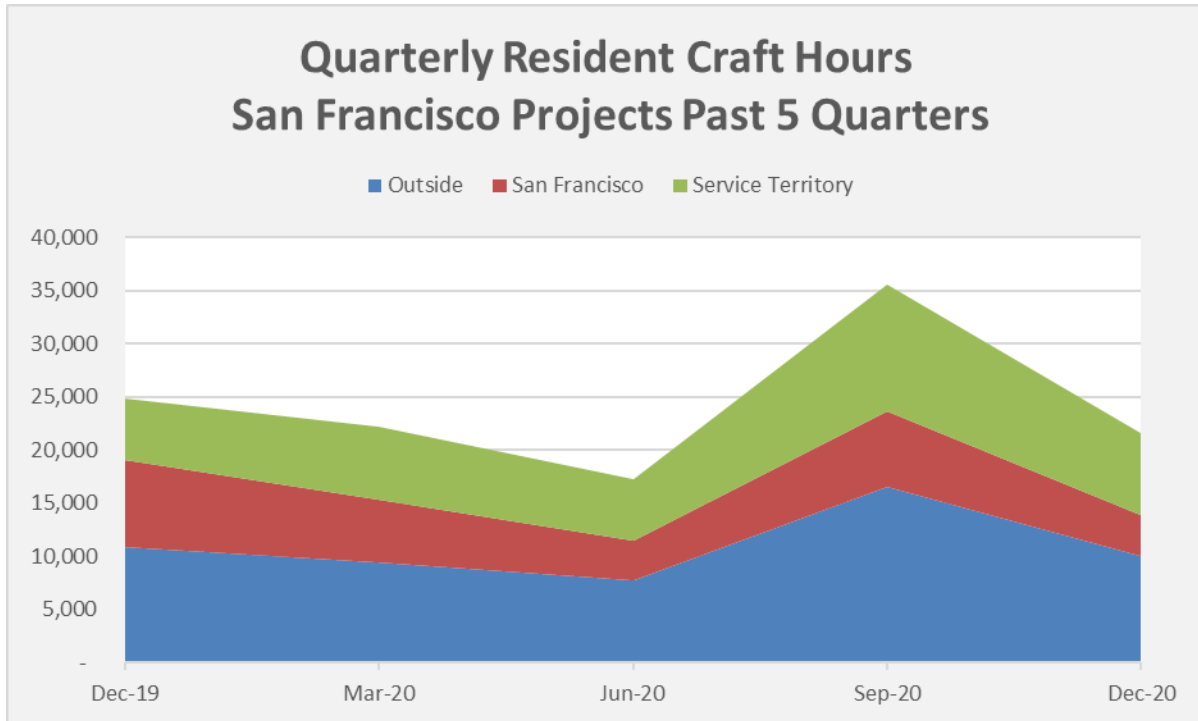
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Residence on ALL WSIP PLA Projects - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



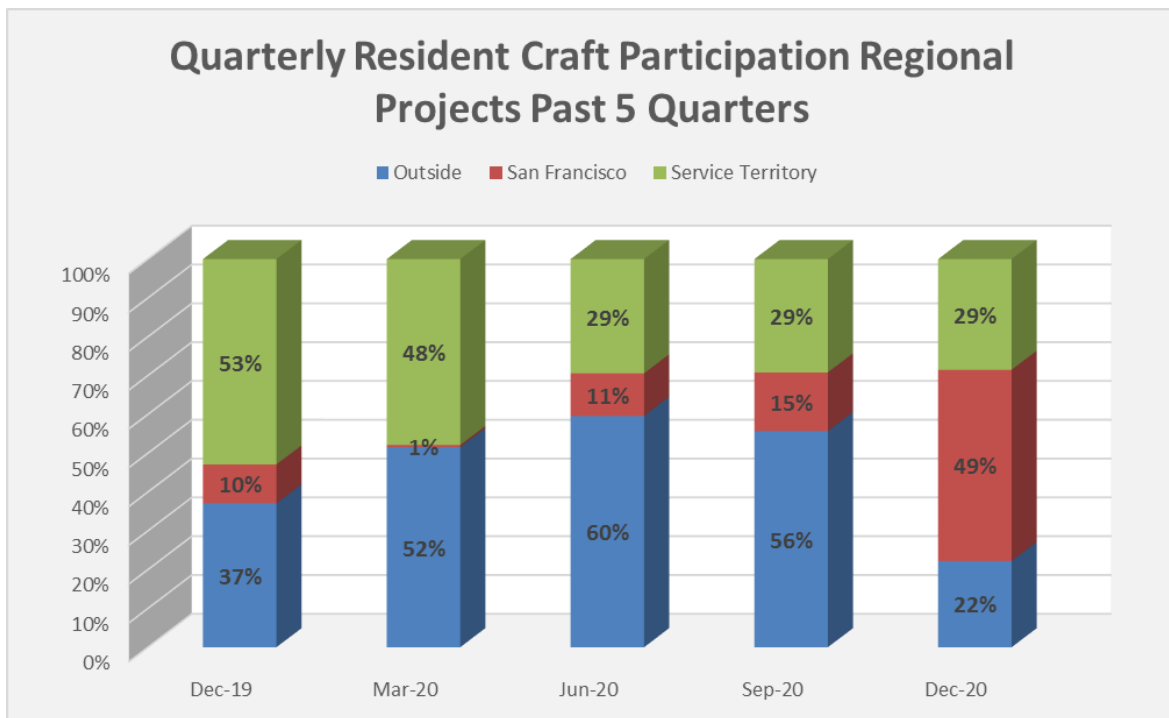
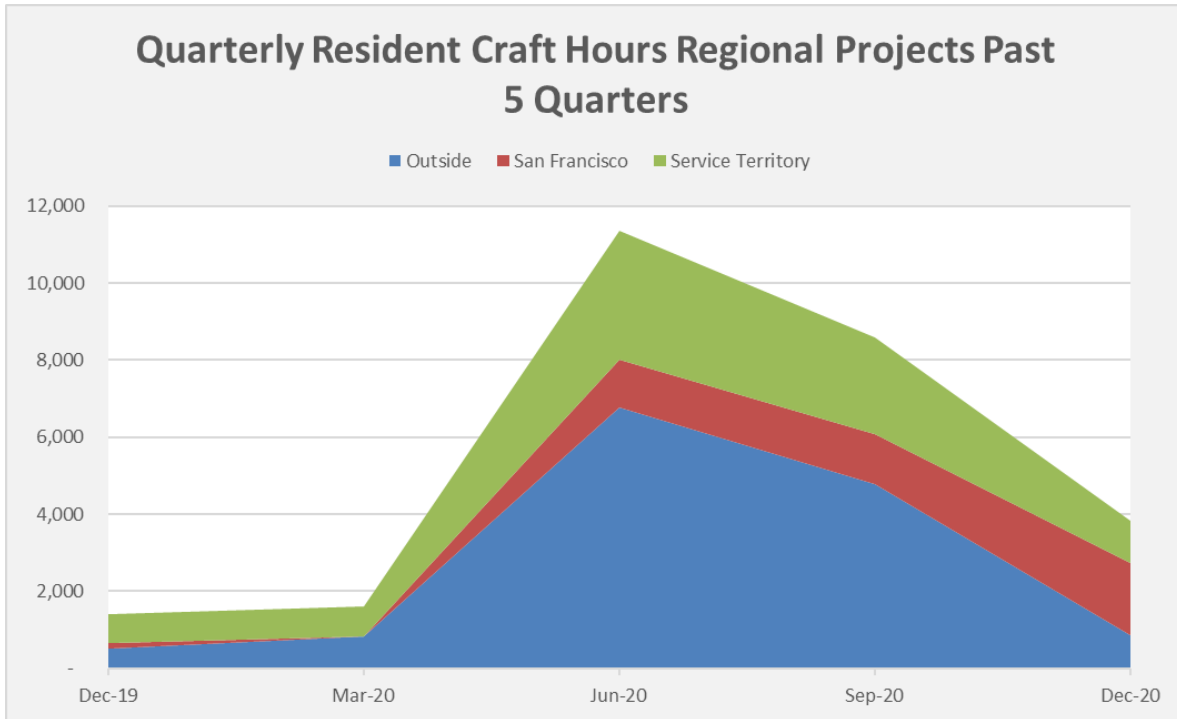
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.



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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, 2020					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda County	1,552,008	\$ 58,343,248	17.8%	3,007	746
Contra Costa County	1,235,379	\$ 49,149,756	14.1%	2,110	594
San Joaquin County	841,518	\$ 31,936,441	9.6%	1,306	405
San Mateo County	760,570	\$ 31,287,305	8.7%	1,357	366
San Francisco County	631,010	\$ 24,638,884	7.2%	1,471	303
Santa Clara County	455,531	\$ 18,365,882	5.2%	1,327	219
Solano County	435,022	\$ 17,745,859	5.0%	908	209
Stanislaus County	389,998	\$ 14,498,228	4.5%	661	187
Sacramento County	352,950	\$ 14,563,935	4.0%	657	170
Butte County	212,869	\$ 8,445,990	2.4%	132	102
Sonoma County	196,355	\$ 8,269,299	2.2%	401	94
Placer County	112,017	\$ 5,070,168	1.3%	142	54
Tuolumne County	102,588	\$ 3,982,918	1.2%	103	49
Calaveras County	101,582	\$ 4,516,595	1.2%	80	49
El Dorado County	88,624	\$ 3,770,176	1.0%	87	43
Los Angeles County	72,758	\$ 3,274,097	0.8%	147	35
Yolo County	71,698	\$ 2,993,107	0.8%	95	34
Shasta County	70,894	\$ 3,305,744	0.8%	47	34
Riverside County	65,996	\$ 3,122,393	0.8%	112	32
Clark County	62,062	\$ 2,842,502	0.7%	72	30
Top 20 Counties by Hours	7,811,429	\$ 310,122,526	89.5%	14,222	3,755
All Other Counties	921,024	\$ 40,919,653	10.5%	1,545	443
WSIP-PLA Total	8,732,453	\$ 351,042,179	100.0%	15,767	4,198

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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, 2020					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	121,246	\$ 4,373,710	19.2%	247	58
94124	106,208	\$ 4,363,351	16.8%	294	51
94116	85,482	\$ 3,977,699	13.5%	92	41
94110	84,855	\$ 3,007,934	13.4%	195	41
94134	41,031	\$ 1,253,322	6.5%	127	20
94122	35,926	\$ 1,735,343	5.7%	82	17
94103	24,130	\$ 737,432	3.8%	43	12
94121	20,412	\$ 829,696	3.2%	61	10
94127	15,419	\$ 698,581	2.4%	24	7
94118	15,085	\$ 739,788	2.4%	23	7
94132	10,951	\$ 443,053	1.7%	38	5
94117	10,718	\$ 291,982	1.7%	18	5
94107	10,037	\$ 378,996	1.6%	33	5
94102	8,852	\$ 387,998	1.4%	23	4
94131	7,757	\$ 252,646	1.2%	31	4
94133	6,421	\$ 253,885	1.0%	13	3
94109	5,035	\$ 160,992	0.8%	24	2
94114	4,465	\$ 196,710	0.7%	17	2
94108	4,194	\$ 144,211	0.7%	9	2
94115	3,265	\$ 120,164	0.5%	28	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	871	\$ 40,845	0.1%	4	0
94104	677	\$ 22,206	0.1%	3	0
94105	487	\$ 15,646	0.1%	7	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	110	\$ 5,839	0.0%	6	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
Total	631,010	\$ 24,638,884	100.0%	1,471	303
WSIP-PLA Total	8,732,453	\$ 351,042,179	-	15,781	4,198

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Residence by Craft

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through December 31, 2020							
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
Operating Engineer	1,857,090	69,518	663,089	1,124,484	3.7%	35.7%	60.6%
Carpenter	765,182	91,312	311,794	362,076	11.9%	40.7%	47.3%
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%
Electrician	496,079	29,587	256,419	210,073	6.0%	51.7%	42.3%
Plumber	449,230	92,174	150,334	206,723	20.5%	33.5%	46.0%
Iron Worker	277,026	18,196	106,307	152,523	6.6%	38.4%	55.1%
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%
Painter	151,835	9,726	17,442	124,668	6.4%	11.5%	82.1%
Cement Mason	128,556	10,401	54,960	63,196	8.1%	42.8%	49.2%
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	50,048	4,623	26,187	19,239	9.2%	52.3%	38.4%
Sheet Metal Worker	29,929	2,885	14,941	12,104	9.6%	49.9%	40.4%
Field Surveyor	22,095	1,382	4,038	16,676	6.3%	18.3%	75.5%
Drywall Installer/Lather	12,834	4,238	2,386	6,210	33.0%	18.6%	48.4%
Plasterer	11,222	6,748	1,148	3,326	60.1%	10.2%	29.6%
Bricklayer	8,899	82	4,281	4,536	0.9%	48.1%	51.0%
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%
Glazier	5,180	1,246	1,612	2,323	24.0%	31.1%	44.8%
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%
Asbestos Worker, Heat and Frost Insulator	1,259	112	229	918	8.9%	18.2%	72.9%
Brick Tender	895	287	19	589	32.1%	2.1%	65.8%
Driver	557	541	8	7	97.3%	1.4%	1.3%
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%
Tile Setter	351	-	344	7	0.0%	98.0%	2.0%
Tile Finisher	277	-	237	40	0.0%	85.6%	14.4%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	64	-	32	32	0.0%	50.0%	50.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
Total Apprenticeable	5,284,062	364,937	1,916,796	3,002,329	6.9%	36.3%	56.8%
Laborer	2,987,266	237,675	1,286,437	1,463,154	8.0%	43.1%	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)	99,625	18,049	65,758	15,818	18.1%	66.0%	15.9%
Operating Engineer (Heavy And Highway We	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%
Parking And Highway Improvement Painter (247	-	165	82	0.0%	66.8%	33.2%
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%
Total Non-Apprenticeable	461,125	28,398	237,576	195,151	6.2%	51.5%	42.3%
Total WSIP PLA	8,732,453	631,010	3,440,809	4,660,635	7.2%	39.4%	53.4%

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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, 2020							
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	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improvement	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	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andreas	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
WD-2542 - Bay Division Pipeline No. 5	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-2541 - Bay Division Pipeline No. 5	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
WD-2539 - University Mound Reservoir	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Alameda	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Storage	162,241	26,650	82,837	52,755	16.4%	51.1%	32.5%
WD-2627R - Sutro Reservoir Rehabilitation	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%
WD-2776 - SF Westside Recycled Water	152,234	37,005	41,109	74,120	24.3%	27.0%	48.7%
HH-935C - San Joaquin Pipeline - Eastern	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	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. 3	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1%
WD-2498 - New Crystal Springs Bypass	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	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Cross	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3	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 S	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	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound Sys	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply W	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1%
WD-2573 - Pulgas Balancing Reservoir	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2568 - BDPL Nos. 3&4 Crossover P	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 Improv	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1%
WD-2798 - SF Westside Recycled Wat	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2829R - San Andreas Pipeline No.	36,411	6,181	10,115	20,114	17.0%	27.8%	55.2%
WD-2809 - SF Groundwater Supply Pha	30,557	5,926	3,095	21,536	19.4%	10.1%	70.5%
WD-2654R - Peninsula Vegetation Rem	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-2797 - SF Westside Recycled Wat	26,318	8,547	12,487	5,285	32.5%	47.4%	20.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Wat	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission M	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bav Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvem	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 Restora	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Da	8,209	291	3,270	4,648	3.5%	39.8%	56.6%
WD-2600 - Regional Groundwater Stora	6,088	0	296	5,792	0.0%	4.9%	95.1%
WD-2855 - Turner Dam Spillway and P	2,088	0	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
Total WSIP PLA	8,732,453	631,010	3,440,809	4,660,635	7.2%	39.4%	53.4%

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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.

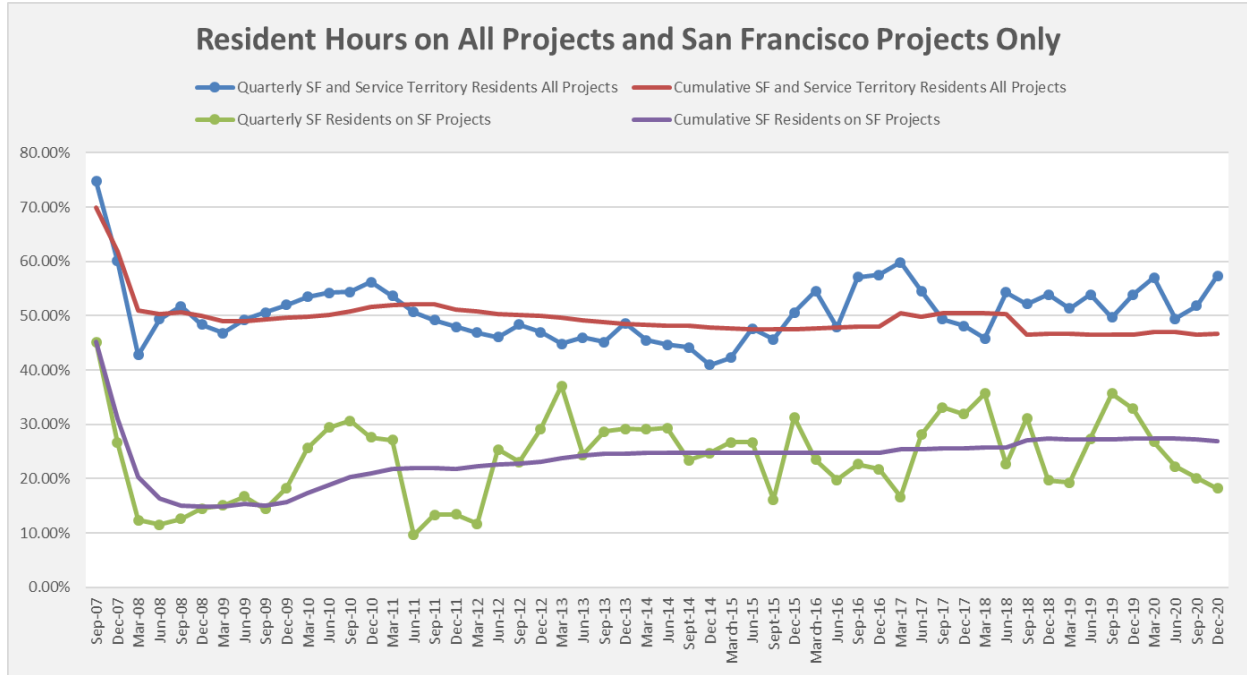
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Regional Service Territory, or 69% combined.

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	1,857,090	209,122	25,395	86,311	97,417	11.3%	1.4%	4.6%	12.1%	41.3%	46.6%
A - Carpenter	765,182	122,008	32,255	57,027	32,727	15.9%	4.2%	7.5%	26.4%	46.7%	26.8%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	496,079	95,307	12,219	64,531	18,557	19.2%	2.5%	13.0%	12.8%	67.7%	19.5%
A - Plumber	449,230	122,304	35,942	58,404	27,958	27.2%	8.0%	13.0%	29.4%	0.0%	0.0%
A - Iron Worker	277,026	61,355	10,976	26,970	23,409	22.1%	4.0%	9.7%	17.9%	44.0%	38.2%
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	151,835	25,860	1,747	6,426	17,687	17.0%	1.2%	4.2%	6.8%	24.8%	68.4%
A - Cement Mason	128,556	6,496	4,221	1,124	1,151	5.1%	3.3%	0.9%	65.0%	17.3%	17.7%
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	50,048	12,662	2,096	5,601	4,965	25.3%	4.2%	11.2%	0.0%	0.0%	0.0%
A - Sheet Metal Worker	29,929	4,772	307	3,276	1,190	15.9%	1.0%	10.9%	6.4%	68.6%	24.9%
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	12,834	689	68	283	338	5.4%	0.5%	2.2%	9.9%	41.1%	49.1%
A - Plasterer	11,222	347	136	-	211	3.1%	1.2%	0.0%	39.2%	0.0%	60.8%
A - Bricklayer	8,899	2,788	82	679	2,027	31.3%	0.9%	7.6%	2.9%	24.4%	72.7%
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%
A - Glazier	5,180	897	620	132	145	17.3%	12.0%	2.5%	69.1%	14.7%	16.2%
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	1,259	138	112	-	26	11.0%	8.9%	0.0%	81.2%	0.0%	18.8%
A - Brick Tender	895	24	24	-	-	2.7%	2.7%	0.0%	0.0%	0.0%	0.0%
A - Driver	557	-	-	-	-	0.0%	0.0%	0.0%	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 - Tile Setter	351	20	-	20	-	5.7%	0.0%	5.7%	0.0%	0.0%	0.0%
A - Tile Finisher	277	40	-	-	40	14.4%	0.0%	0.0%	0.0%	0.0%	100.0%
A - Terrazzo Worker	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Sprinkler Fitter	64	-	-	-	-	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	5,284,062	692,410	130,716	324,030	237,663	13.1%	2.5%	6.1%	18.9%	46.8%	34.3%
A - Laborer	2,987,266	404,571	46,656	261,376	97,190	13.5%	1.6%	8.7%	11.5%	64.6%	24.0%
Total Apprenticeable	8,271,328	1,096,981	177,372	585,406	334,854	13.3%	2.1%	7.1%	16.2%	53.4%	30.5%
Total Non-Apprenticeable	461,125										
Total WSIP - Covered by PLA	8,732,453										

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For the three months ending December 31, 2020, 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.



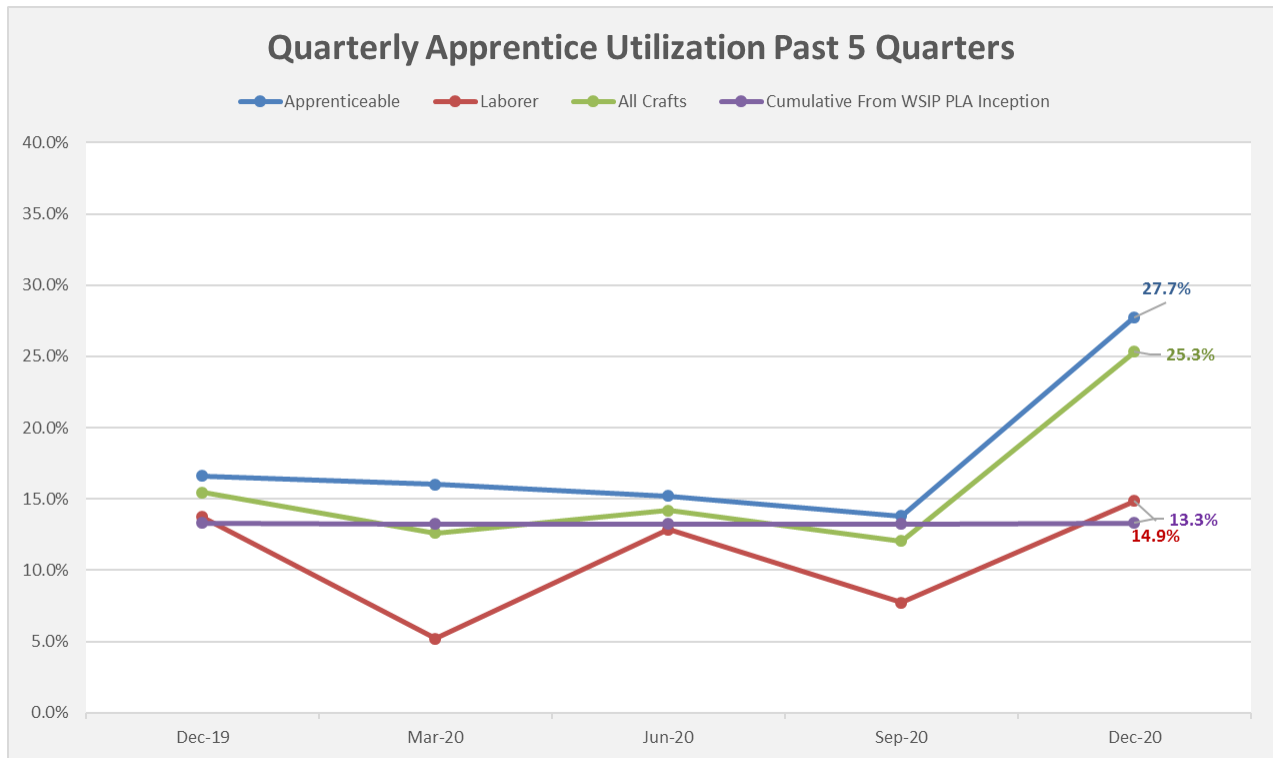
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through December 31, 2020											
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 - Advanced Meter Infras	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2798 - San Francisco Wes	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2542 - Bay Division Pipelin	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
HH-953 - Tesla Portal Protectio	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2623 - Harding Park Recyc	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2591 - Lower Crystal Sprin	110,655	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	19.1%
WD-2654R - Peninsula Vegeta	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
WD-2589 - Supervisory Contro	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%
WD-2600 - Regional Groundwa	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	0.0%	19.6%	17.1%
WD-2531 - Bay Division Pipelin	152,234	119,573	124	32,537	152,110	24,138	1,803	25,941	20.2%	5.5%	17.1%
WD-2551 - Calaveras Dam Rep	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2552 - Alameda Siphon Nd	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2501 - Alemany Pump Sta	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2668 - Regional Groundwa	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2541 - Bay Division Pipelin	134,349	73,390	1,614	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	16.3%
WD-2568 - BDPL Nos. 3&4 Crd	22,569	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%	16.2%
WD-2666 - Bioregional Habitat	162,241	101,909	1,079	59,253	161,162	18,467	7,375	25,842	18.1%	12.4%	16.0%
WD-2622 - San Francisco Grou	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	15.6%
WD-2641R - Habitat Reserve P	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
HH-935C - San Joaquin Pipelin	462,423	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%	15.3%
WD-2469 - Forest Knolls Pump	1,013,848	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%	14.8%
WD-2555 - Crystal Springs Pip	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2601 - Crystal Springs / Sa	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%
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-2543 - North University Mo	26,318	12,316	-	14,002	26,318	1,332	2,310	3,642	10.8%	16.5%	13.8%
WD-2498 - New Crystal Spring	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2539 - University Mound R	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%
HH-935A - San Joaquin Pipelin	17,782	4,623	-	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2596 - Harry Tracy Water	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-2504 - Stanford Heights Re	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%
WD-2652 - Bioregional Habitat	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	12.1%
WD-2809 - San Francisco Grou	52,623	31,711	1,682	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%
WD-2529 - Noe Valley Transmi	8,209	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	11.7%
WD-2627R - Sutro Reservoir R	127,763	49,074	9,731	68,958	118,032	7,559	5,394	12,953	15.4%	7.8%	11.0%
WD-2727 - Peninsula Pipeline	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	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	10.9%
WD-2511 - Standby Power Faci	30,557	15,059	-	15,498	30,557	2,666	633	3,299	17.7%	4.1%	10.8%
DB-116 - Tesla Treatment Faci	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	10.8%
WD-2729 - Fish Passage Facil	100,492	52,940	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	10.5%
WD-2548 - Lake Merced Pump	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2573 - Pulgas Balancing R	208,058	88,905	12,802	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%	10.3%
WD-2575 - San Antonio Backu	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	10.3%
WD-2776 - San Francisco Wes	288,044	90,020	31,498	166,526	256,546	7,049	19,161	26,210	7.8%	11.5%	10.2%
WD-2513 - San Andreas Pipeli	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2822R2 - Lower Crystal Sp	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2665 - Bay Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2564 - Harry Tracy Water	36,411	16,980	1,711	17,720	34,700	512	2,370	2,881	3.0%	13.4%	8.3%
WD-2566 - San Antonio Pump	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	8.2%
WD-2581 - New Invention Tunne	23,492	16,708	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2621R - San Francisco Gr	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	7.7%
HH-935B - San Joaquin Pipelin	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	7.4%
WD-2651R - Peninsula 2011 W	583,318	412,690	91,164	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
HH-914R - Roselle Crossover Ir	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	6.5%
WD-2829R - San Andreas Pipe	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2640 - Bioregional Habitat	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
WD-2629 - Seismic Upgrade of	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2797 - San Francisco Wes	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	2,088	-	-	-	0.0%	0.0%	0.0%
WSIP - Covered by PLA (57 Pr	8,732,453	5,284,062	461,125	2,987,266	8,271,328	692,410	405,222	1,097,632	13.1%	13.6%	13.3%

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The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending December 31, 2020.



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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.

15,169 pre-employment tests have been administered as of December 31, 2020, 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 **1.34%** 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 12/31/2020	
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-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	354
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 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-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	-
Total Cleared	15,169

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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.