

Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended September 30, 2019 (First Quarter FY 2019-2020)



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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-eight (58) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.216 billion in original contract award through September 30, 2019.

Construction Activity Highlights – Program-to-Date

Contracting:

• Fifty-eight (58) construction contracts with a value of \$2.216 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 14,715 construction workers were employed for 8,574,541 hours and earned wages of \$342,394,365 on WSIP PLA-covered projects.
- 1,286 San Francisco residents worked 596,929 hours and earned \$22,753,741 on WSIP PLA-covered projects representing 7% of covered hours and 287 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. 6,049 residents of the Regional Service Territory earned wages of \$131,147,003 and worked 3,390,326 hours, representing 40% of covered hours and 1,630 full-time equivalent worker years.
- 14,972 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of September 30, 2019. 200 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Region of Worker Residence	Incept	ion Through Sep	tember 30, 2019	
Region of worker residence	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	14,715	8,574,541	\$ 342,394,365	4,122
San Francisco	1,286	596,929	\$ 22,753,741	287
SFPUC Service Territory	6,049	3,390,326	\$ 131,147,003	1,630
Outside	7,389	4,587,285	\$ 188,493,621	2,205

Construction Activity Highlights - Quarter Ending September 30, 2019

Contracting:

• There were no contracts awarded during the reporting period.

Employment:

- 266 construction workers were employed for 26,785 hours and earned wages of \$1,382,288 on WSIP PLA-covered projects.
- 60 San Francisco residents worked 4,939 hours and earned wages of \$253,795 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, 95 residents of the Regional Service Territory worked 8,364 hours and earned wages of \$440,407 on WSIP PLA-covered projects.
- 58 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and no individuals were prevented from working as the result of a positive test.

	Three I	Three Months Ending September 30, 2019							
Region of Worker Residence	Worker Count	Sum of Hours	Sun	n Of Wages	FTE*				
All Workers	266	26,785	\$	1,382,288	13				
San Francisco	60	4,939	\$	253,795	2				
SFPUC Service Territory	95	8,364	\$	440,407	4				
Outside	111	13,483	\$	688,085	6				

Summary of Craft Worker Employment

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

Summary of WSIP PLA-Covered Contract Awards

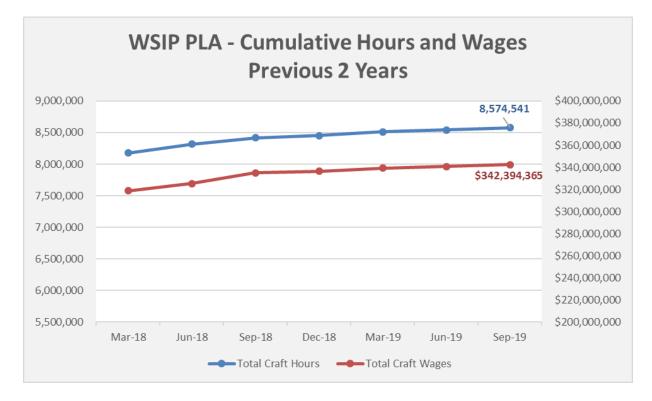
Construction Contracts Awarded Subject to the WSIP-PLA								
		Ince	ption through September 30, 2019					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate		Award \$		
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	\$20 Million	\$	15,633,20		
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$	1,498,01		
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch	\$5.8 Million	\$	4,784,70		
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$	32,087,20		
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Faci	\$70 to 80 Million	\$	87,597,00		
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$	9,780,00		
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$	21,729,72		
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Water	\$30 Million	\$	28,939,30		
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$	11,062,54		
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$	14,955,10		
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$	42,980,04		
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$	8,676,68		
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$	20,736,38		
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$	31,372,33		
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$	27,453,00		
	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$	3,912,50		
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$	31,320,00		
	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pe	\$5.9 to \$6.7 Million	\$	5,591,75		
	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$	2,760,00		
	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I		\$	2,998,68		
	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$	5,251,10		
	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$	12,947,40		
	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas		\$	6,499,00		
	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$	3,188,00		
	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$	45,329,41		
	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$	259,571,85		
	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$	174,197,00		
	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$	32,547,35		
	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$	48,706,37		
	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$	17,360,40		
	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$	99,763,00		
	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$	5,251,10		
	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$	226,657,70		
	WD-2581	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$	83,102,16		
	HH-935A	West Bay Builders		\$21.6 Million	\$	11,723,81		
		Michels/JayDee/Coluccio, JV	San Joaquin Pipeline System - Crossovers	\$235 to \$260 Million				
	WD-2531		Bay Tunnel		\$ ¢	215,294,53		
	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ ¢	52,183,40		
	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$	61,558,00		
	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$	3,847,25		
	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$	12,857,00		
	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$	6,991,00		
	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$	2,837,00		
	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$	16,336,35		
	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$	29,597,00		
	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$	31,933,69		
	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$	12,695,00		
	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$	31,584,00		
	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$	62,822,9		
	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$	11,536,50		
	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$	5,724,0		
	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$	55,674,00		
	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$	81,420,56		
	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$	13,529,3		
	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$	13,824,0		
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$	6,547,00		
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$	23,269,00		
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$	8,419,00		
						17,899,9		

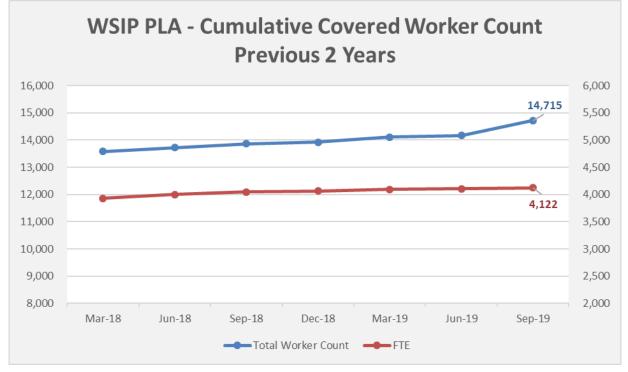
* indicates projects located in San Francisco

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending September 30, 2019; 14,715 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,574,541 craft hours and \$342,394,365 in craft wages.

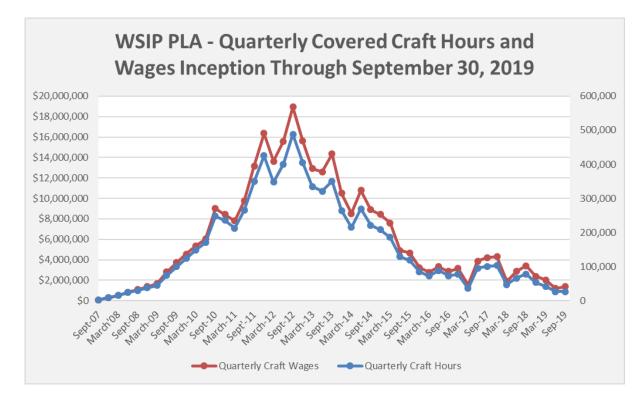
The tables below describe the progressive accumulation of these totals over the past two years.





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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 97% 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

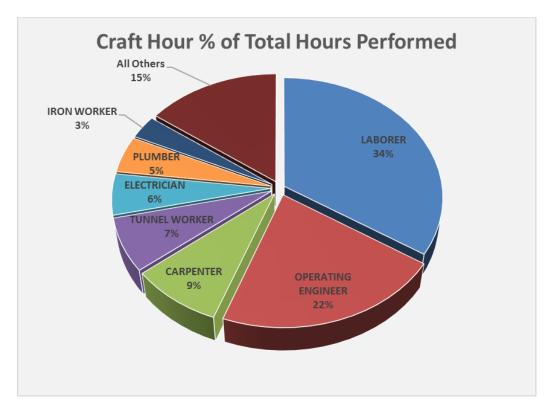
As of September 30, 2019, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 30 craft areas.

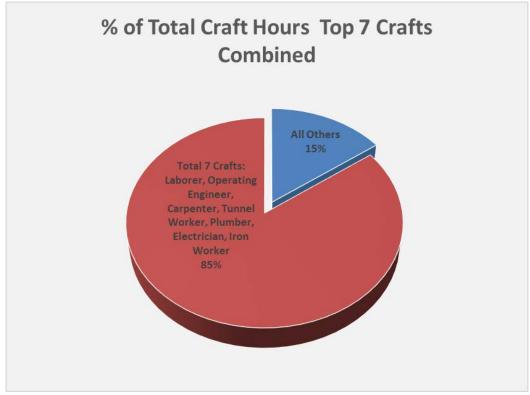
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

			ployment by			
	Inception Thro	ugh	September 30			
Craft	Total Hours	1	otal Wages	% Craft Hours	% Wages of	FTE
				of Total Hours	Total Wages	
Laborer	2,938,241	\$	91,210,680	34.3%	26.6%	1,413
Operating Engineer	1,845,588	\$	77,676,928	21.5%	22.7%	887
Carpenter	745,059	\$	31,636,398	8.7%	9.2%	358
Tunnel Worker	612,964	\$	26,175,557	7.1%	7.6%	295
Electrician	475,861	\$	25,231,543	5.5%	7.4%	229
Plumber	426,328	\$	20,099,669	5.0%	5.9%	205
Iron Worker	270,117	\$	9,331,997	3.2%	2.7%	130
Top 7 Sub-Total	7,314,158	\$	281,362,773	85.3%	82.2%	3,516
Pile Driver	181,764	\$	9,710,884	2.1%	2.8%	87
Painter	146,931	\$	5,748,577	1.7%	1.7%	71
Cement Mason	127,969	\$	4,503,551	1.5%	1.3%	62
Boilermaker	119,744	\$	6,343,595	1.4%	1.9%	58
Building/Construction Inspector	88,328	\$	4,980,418	1.0%	1.5%	42
Roofer	48,597	\$	1,646,444	0.6%	0.5%	23
Field Surveyor	21,992	\$	1,257,417	0.3%	0.4%	11
Sheet Metal Worker	20,183	\$	974,643	0.2%	0.3%	10
Drywall Installer/Lather	10,804	\$	458,452	0.1%	0.1%	5
Bricklayer	8,620	\$	329,139	0.1%	0.1%	4
Plasterer	8,426	\$	302,395	0.1%	0.1%	4
Electrical Utility Lineman	6,909	\$	425,367	0.1%	0.1%	3
Glazier	4,347	\$	214,828	0.1%	0.1%	2
Metal Roofing Systems Installer	2,586	\$	92,217	0.0%	0.0%	1
Asbestos Worker, Heat and Frost Insu	920	\$	55,784	0.0%	0.0%	0
Brick Tender	895	\$	30,418	0.0%	0.0%	0
Driver	532	\$	55,198	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
Marble Finisher	40	\$	1,342	0.0%	0.0%	0
Terrazzo Finisher	4	\$	160	0.0%	0.0%	0
Remaining Apprenticeable Sub-Total	800,769	\$	37,174,069	9.3%	10.9%	385
Total Non-Apprenticeable	459,614	\$	23,857,523	5.4%	7.0%	221
Total WSIP-Covered by PLA	8,574,541	\$	342,394,365	100.0%	100.0%	4,122

Sorted by Total Craft Hours

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of September 30, 2019. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 72% of craft hours worked on PLA-covered projects.

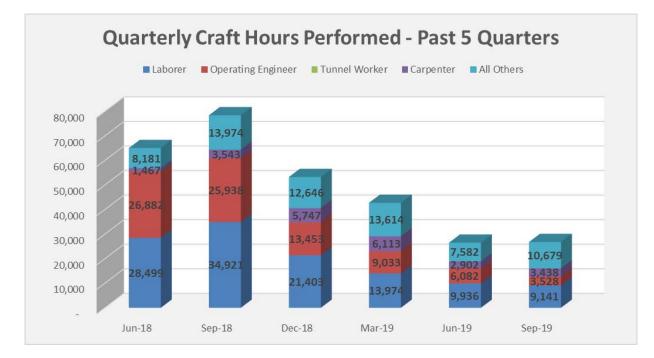


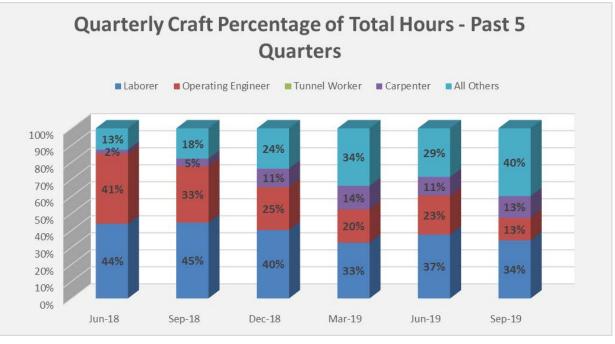


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours		Total Cumulative Wages	Quarter Ending 9-30-2019 Hours		arter Ending 9-30-2019 Wages
Laborer	2,938,241	\$	91,210,680	9,141	\$	339,551
Operating Engineer	1,845,588	\$	77,676,928	3,528	\$	182,768
Carpenter	745,059	\$	31,636,398	3,438	\$	171,017
Tunnel Worker	612,964	\$	26,175,557	-	\$	-
Electrician	475,861	\$	25,231,543	2,453	\$	168,070
Plumber	426,328	\$	20,099,669	3,249	\$	222,082
Iron Worker	270,117	\$	9,331,997	790	\$	32,248
Pile Driver	181,764	\$	9,710,884	-	\$	-
Painter	146,931	\$	5,748,577	1,104	\$	52,071
Cement Mason	127,969	\$	4,503,551	29	\$	756
Boilermaker	119,744	\$	6,343,595	584	\$	64,648
Building/Construction Inspector	88,328	\$	4,980,418	175	\$	7,205
Roofer	48,597	\$	1,646,444	38	\$	1,508
Field Surveyor	21,992	\$	1,257,417	119	\$	5,845
Sheet Metal Worker	20,183	φ \$	974,643	1,463	э \$	80,128
Drywall Installer/Lather	10,804	ф \$	974,043 458,452	8	э \$	292
Bricklayer	8,620	э \$	329,139		э \$	292
•				-		0.266
Plasterer	8,426	\$	302,395	245	\$	9,366
Electrical Utility Lineman	6,909	\$	425,367	-	\$	-
Glazier	4,347	\$	214,828	-	\$	-
Metal Roofing Systems Installer	2,586	\$	92,217	-	\$	-
Asbestos Worker, Heat and Frost Insulator	920	\$	55,784	-	\$	-
Brick Tender	895	\$	30,418	-	\$	-
Driver	532	\$	55,198	-	\$	-
Carpet Layer	354	\$	16,311	-	\$	-
Tile Setter	351	\$	12,929	-	\$	-
Tile Finisher	277	\$	5,836	-	\$	-
Terrazzo Worker	199	\$	8,163	-	\$	-
Marble Finisher	40	\$	1,342	-	\$	-
Terrazzo Finisher	4	\$	160	-	\$	-
	8,114,927		318,536,842	26,360		1,337,554
Teamster	136,065	\$	6,427,969	19	\$	1,554
Driver (On/Off-Hauling To/From Construction Site)	98,178	\$	7,322,529	406	\$	43,180
Operating Engineer (Heavy And Highway Work) (Specia	95,289	\$	4,512,513	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Hi	79,393	\$	3,676,393	-	\$	-
Asbestos Removal Worker (Laborer)	17,057	\$	435,487	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Hi	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 - Hea		\$	56,467	-	\$	_
Traffic Control/Lane Closure (Laborer)	888	\$	31,991	-	\$	_
Dredger Operating Engineer	831	э \$	33,307	-	э \$	-
	635		24,810			-
Operating Engineer (Building Construction)	592	\$ \$		-	\$ \$	-
Slurry Seal Worker			17,811	-		-
Parking And Highway Improvement Painter (Painter)	247	\$	10,082	-	\$	-
	80	\$	2,772	-	\$	-
			291	-	\$	-
Teamster (Special Single Shift Rate)	11	\$			<i>•</i>	
Teamster (Special Single Shift Rate) Total Non-Apprenticeable	459,614	\$	23,857,523	425	\$	44,734
Ironworker (Db) Teamster (Special Single Shift Rate) Total Non-Apprenticeable Total Apprenticable Total WSIP PLA	459,614	\$ \$		425 26,360 26,785	\$ \$ \$	44,734 1,337,554 1,382,288

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

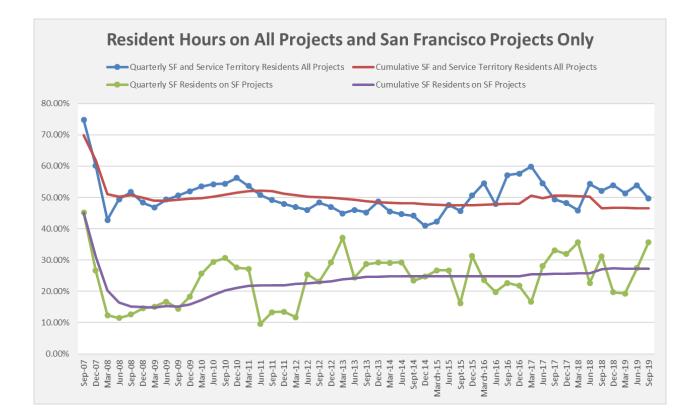




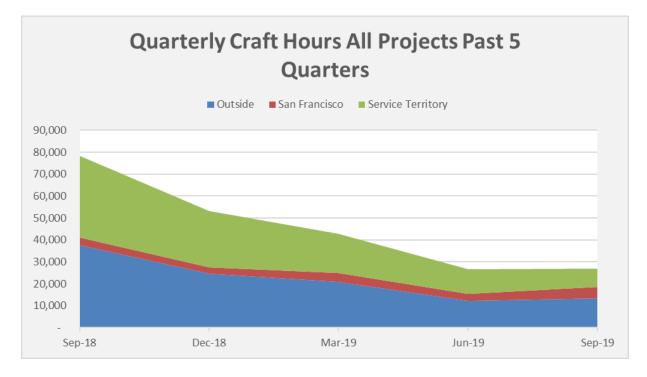
Worker Residence on the WSIP PLA

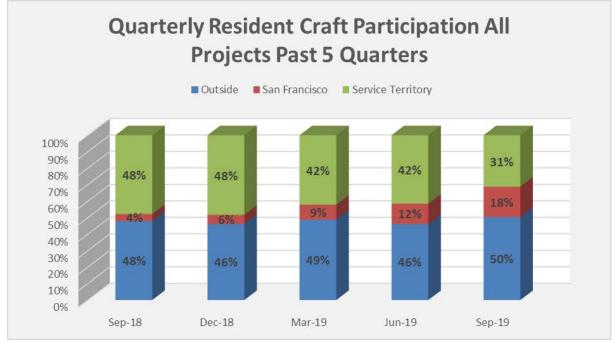
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through September 30, 2019.

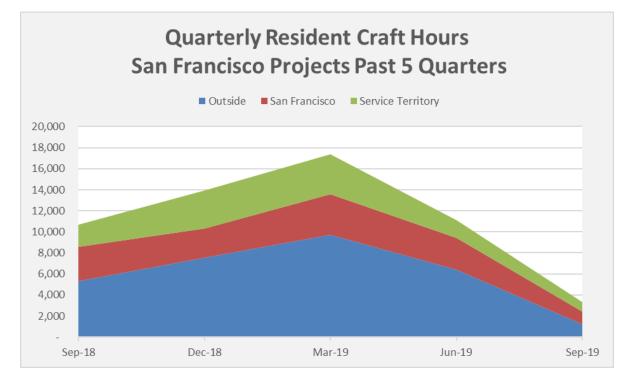


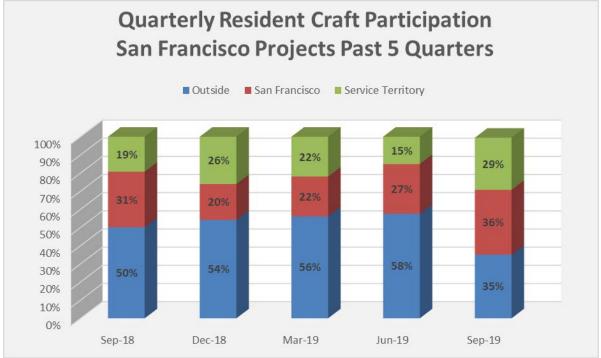
<u>Residence on ALL WSIP PLA Projects</u> - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



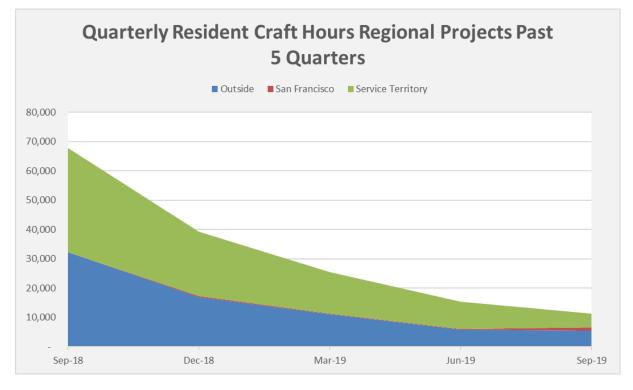


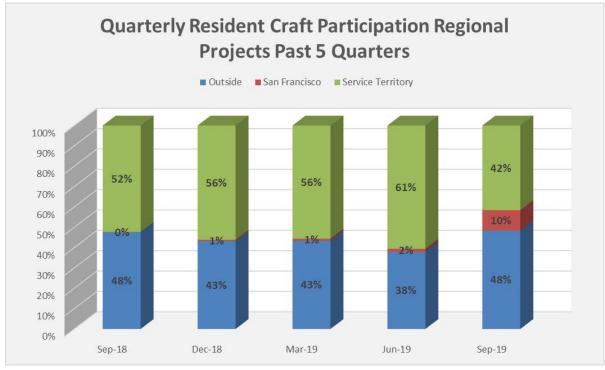
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





	WSIP-PLA Employr				e	
County	Total Craft Hours	Inrc	wages	% Craft Hours	Worker Count	FTE
Alameda County	1,533,179	\$	57,436,635	17.9%	2,866	737
Contra Costa County	1,215,493	\$	48,072,780	14.2%	,	584
San Joaquin County	837,557	ֆ \$	31,747,642	9.8%		403
1 5						
San Mateo County	733,685	\$	29,859,875	8.6%		353
San Francisco County	596,929	\$	22,753,741	7.0%		287
Santa Clara County	444,152	\$	17,770,490	5.2%	1,251	214
Solano County	428,025	\$	17,290,102	5.0%	853	206
Stanislaus County	386,243	\$	14,332,141	4.5%	613	186
Sacramento County	346,556	\$	14,193,890	4.0%	598	167
Butte County	212,327	\$	8,402,934	2.5%	129	102
Sonoma County	185,370	\$	7,528,085	2.2%	346	89
Placer County	111,398	\$	5,042,226	1.3%	138	54
Tuolumne County	102,588	\$	3,982,918	1.2%	103	49
Calaveras County	101,552	\$	4,515,018	1.2%	79	49
El Dorado County	88,590	\$	3,768,668	1.0%	86	43
Los Angeles County	72,291	\$	3,254,915	0.8%	144	35
Yolo County	71,634	\$	2,990,553	0.8%	91	34
Shasta County	69,738	\$	3,241,888	0.8%	46	34
Riverside County	65,996	\$	3,122,393	0.8%	112	32
Clark County	61,915	\$	2,831,513	0.7%	71	30
Top 20 Counties by Hours	7,665,216	\$	302,138,407	89.4%	13,253	3,685
All Other Counties	909,325	\$	40,255,957	10.6%	1,462	437
WSIP-PLA Total	8,574,541	\$	342,394,365	100.0%	14,715	4,122

Residence by County

San Francisco Residents by Zip Code

			by San Francis			
	Inception	Thr	ough Septemb	er 30, 2019		
			То	tal Workers		
San Francisco Zip Codes	Total Craft		Wagas	% Total Craft	Worker	FTE
	Hours		Wages	Hours	Count	FIC
94112	114,899	\$	4,050,779	19.2%	212	5
94124	100,677	\$	3,960,089	16.9%	266	4
94116	83,750	\$	3,901,447	14.0%	83	4
94110	80,464	\$	2,799,653	13.5%	181	3
94134	40,162	\$	1,220,672	6.7%	116	1
94122	31,359	\$	1,436,176	5.3%	68	1
94103	23,903	\$	729,261	4.0%	38	
94121	19,505	\$	777,512	3.3%	47	
94118	14,929	\$	734,235	2.5%	21	
94127	13,645	\$	568,406	2.3%	21	
94117	10,718	\$	291,982	1.8%	18	
94132	10,636	\$	432,313	1.8%	33	
94107	9,501	\$	355,362	1.6%	27	
94102	8,540	\$	377,120	1.4%	20	
94131	6,691	\$	205,146	1.1%	24	
94109	4,886	\$	154,387	0.8%	20	
94133	4,392	\$	176,135	0.7%	8	
94114	4,248	\$	183,479	0.7%	15	
94130	3,173	\$	67,607	0.5%	11	
94108	2,918	\$	64,629	0.5%	6	
94115	2,287	\$	75,956	0.4%	24	
94142	1,740	\$	68,149	0.3%	7	
94111	915	\$	21,546	0.2%	3	
94123	561	\$	28,323	0.1%	2	
94104	523	\$	13,179	0.1%	2	
94129	447	\$	14,182	0.1%	1	
94188	366	\$	9,790	0.1%	3	
94105	350	\$	10,481	0.1%	3	
94140	288	\$	11,589	0.0%	1	
94119	255	\$	7,976	0.0%	1	
94147	162	\$	4,785	0.0%	1	
94125	21	\$	768	0.0%	1	
94158	16	\$	362	0.0%	2	
94164	6	\$	264	0.0%	1	
otal	596,929	\$	22,753,741	100.0%	1,286	28
VSIP-PLA Total	8,574,541	\$	342,394,365	-		4,12

Residence by Craft

		• •	nent of Residents	•			
Craft	Total Hours	San Francisco Hours	h September 30, 20 SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
Operating Engineer	1,845,588	65,072	659,531	1,120,985	3.5%	35.7%	60.7%
Carpenter	745,059	86,562	303,617	354,881	11.6%	40.8%	47.6%
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%
Electrician	475,861	25,009	253,215	197,637	5.3%	53.2%	41.5%
Plumber	426,328	88,179	141,761	196,388	20.7%	33.3%	46.1%
Iron Worker	270,117	18,032	103,748	148,337	6.7%	38.4%	54.9%
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%
Painter	146,931	9,559	16,980	120,392	6.5%	11.6%	81.9%
Cement Mason	127,969	9,902	54,960	63,108	7.7%	42.9%	49.3%
Boilermaker	119,744	48	23,158	96,537	0.0%	19.3%	80.6%
Building/Construction Inspector	88,328	3,955	11,932	72,441	4.5%	13.5%	82.0%
Roofer	48,597	4,449	25,194	18,955	9.2%	51.8%	39.0%
Field Surveyor	21,992	1,382	4,038	16,573	6.3%	18.4%	75.4%
Sheet Metal Worker	20,183	2,371	11,456	6,356	11.7%	56.8%	31.5%
Drywall Installer/Lather	10,804	4,146	1,796	4,863	38.4%	16.6%	45.0%
Bricklayer	8,620	82	4,060	4,478	1.0%	47.1%	52.0%
Plasterer	8,426	4,726	1,140	2,560	56.1%	13.5%	30.4%
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%
Glazier	4,347	1,028	1,395	1,925	23.6%	32.1%	44.3%
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%
Asbestos Worker, Heat and Frost Insulator	920	-	229	691	0.0%	24.9%	75.1%
Brick Tender	895	287	19	589	32.1%	2.1%	65.8%
Driver	532	532	-	-	100.0%	0.0%	0.0%
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%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4		0.0%	100.0%	0.0%
Total Apprenticeable	5,176,686	343,163	1,884,099	2,949,424	6.6%	36.4%	57.0%
LABORER	2,938,241	226,732	1,268,710	1,442,800	7.7%	39.8%	58.5%
Non-Apprenticeable	2,330,241	220,732	1,200,710	1,442,000	1.170	33.078	30.370
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%
Driver (On/Off-Hauling To/From Construction	98,178	16,684	65,701	15,793	17.0%	66.9%	16.1%
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,057	951	2,161	13,945	5.6%	12.7%	81.8%
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%
Water Well Driller	12,313	-		5,136	0.0%	58.3%	41.7%
Tree Trimmer (High Voltage Line Clearance)	1,422	32	7,177 1,191	5,136	2.3%	58.3% 83.8%	41.7%
Telecommunications Technician	1,422	-	1,088	72	2.3%	93.8%	6.2%
		- 16	614	501	1.4%	93.8% 54.3%	
Landscape Maintenance Laborer Steel Frector And Fabricator (Operating Fre	1,131	-		841			44.3%
Steel Erector And Fabricator (Operating Eng Traffic Control/Lane Closure (Laborer)	1,123 888	-	282 691	198	0.0% 0.0%	25.1% 77.8%	74.9% 22.2%
. ,			091				
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	459,614	27,034	237,518	195,062	5.9%	51.7%	42.4%
Total WSIP PLA	8,574,541	596,929	3,390,326	4,587,285	7.0%	39.5%	53.5%

Residence by Project

Employment Summary - Cumulative Employment of Residents by Project Craft Employment Summary Through September 30, 2019							
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
ND-2551 - Calaveras Dam Replacemer	1,532,115	4,664	572,553	954,898	0.3%	37.4%	62.3%
ND-2596 - HTWTP Long-Term Improver	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
ND-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
ND-2531 - Bay Division Pipelines Relia	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
ND-2601 - Crystal Springs / San Andre	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
ND-2582 - Sunol Valley Water Treatme	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
ND-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%
ND-2541 - Bay Division Pipeline No. 5	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
ND-2539 - University Mound Reservoir	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
ND-2729 - Fish Passage Facilities - Al	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
ND-2668 - Regional Groundwater Stora	159,033	26,435	80,442	52,157	16.6%	50.6%	32.8%
ND-2627R - Sutro Reservoir Rehabilitat	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%
HH-935C - San Joaquin Pipeline - Easte	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%
ND-2629 - Seismic Upgrade of Bay Div	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6%
ND-2552 - Alameda Siphon No. 4 Proje	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2%
ND-2555 - Crystal Springs Pipeline No	127,763	31,147	36,395	60,221	24.4%	28.5%	47.19
ND-2498 - New Crystal Springs Bypas	117,821	9,557	64,371	43,894	8.1%	54.6%	37.39
ND-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.59
VD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.29
H-935B - San Joaquin Pipeline - West	100,492	111	41,614	58,767	0.1%	41.4%	58.59
VD-2591 - Lower Crystal Springs Dam	98,562	5,463	52,743	40,356	5.5%	53.5%	40.99
HH-935A - San Joaquin Pipeline - Cros	84,483	223	45,318	38,942	0.3%	53.6%	46.19
ND-2513 - San Andreas Pipeline No.3	83,503	6,978	28,219	48,306	8.4%	33.8%	57.89
ND-2575 - San Antonio Backup Pipelin	75,263	8,780	31,767	34,716	11.7%	42.2%	46.19
ND-2504 - Stanford Heights Reservoir S	74,294	14,461	20,361	39,472	19.5%	27.4%	53.19
ND-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.19
ND-2727 - Peninsula Pipeline Seismic	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2
ND-2776 - SF Westside Recycled Wat	63,229	17,427	16,155	29,647	27.6%	25.6%	46.99
ND-2543 - North University Mound Sys	53,265	13,940	14,613	24,713	26.2%	27.4%	46.49
ND-2621R - SF Groundwater Supply W	52,623	14,641	8,965	29,018	27.8%	17.0%	55.19
VD-2573 - Pulgas Balancing Reservoir	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2
VD-2568 - BDPL Nos. 3&4 Crossover	47,910	4,201	13,222	30,486	8.8%	27.6%	63.6
ND-2641R - Habitat Reserve Program	44,018	8,771	10,167	25,081	19.9%	23.1%	57.09
WD-2564 - HTWTP - Short Term Improv	43,049	8,445	15,208	19,397	19.6%	35.3%	45.19
ND-2798 - SF Westside Recycled Wat	38,039	11,846	12,495	13,699	31.1%	32.8%	36.09
ND-2654R - Peninsula Vegetation Rem	30,464	4,839	9,727	15,897	15.9%	31.9%	52.29
VD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1
VD-2809 - SF Groundwater Supply Pha	24,509	5,025	2,573	16,911	20.5%	10.5%	69.0
VD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7
VD-2623 - Harding Park Recycled Wat	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4
VD-2651R - Peninsula 2011 Watershe	22,569	557	10,940	11,072	2.5%	48.5%	49.1
VD-2529 - Noe Valley Transmission M	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2
VD-2665 - Bay Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.8
VD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8
VD-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4
VD-2566 - San Antonio Pump Station	14,916	101 0	11,948	2,868	0.7%	80.1%	19.2
H-914R - Roselle Crossover Improvem	12,859	•	8,861 6 185	3,999	0.0%	68.9%	31.1
H-953 - Tesla Portal Protection	11,512	3,338 281	6,185 6,500	1,990	29.0%	53.7% 57.6%	17.3
VD-2511 - Standby Power Facilities VD-2640 - Bioregional Habitat Restorat	11,275		6,500	4,494 5,926	2.5%	57.6%	39.9
	10,621	667 1 470	4,028		6.3% 20.4%	37.9%	55.8
VD-2829R - San Andreas Pipeline No.	7,255	1,479	1,685	4,091	20.4%	23.2%	56.4
VD-2600 - Regional Groundwater Store	6,088	0	296	5,792	0.0%	4.9%	95.1
ND-2822R2 - Lower Crystal Springs Da	4,051	152 0	1,594	2,305 465	3.8%	39.4%	56.9
ND-2855 - Turner Dam Spillway and Po ND-2589 - SCADA System Phase II	2,088	368	1,623 363	465 767	0.0% 24.6%	77.7% 24.2%	22.3
VD-2009 - OUADA System Phase II	1,498	596,929	303 3,390,326	/0/	∠4.0%	∠4.∠%	51.2

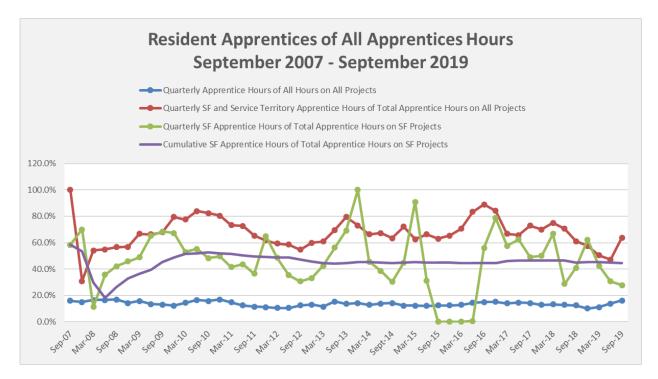
Apprentice Utilization

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

Through the end of the current quarter, 13.2% of craft hours in apprenticeable trades have been worked by apprentices. 16% of apprentice hours were worked by San Francisco residents and 54% were worked by residents of the Regional Service Territory, or 70% combined.

Sorted by Total Craft Hours Apprentice Hours Apprentice Utilization Resident Apprentice % % of Craft % of Craft % of Craft San Service Tota Apprentice Apprentice Apprentice San Apprentice Francisco Territory Craft Total Hour Apprentio SFPUC ST Outside Hours Hours Hours Francisco % of Total Apprentice renti Hours Performed by Performed by Performed by Hours Hours Hours Craft Hours % of Total % of Total San Francisco ervice Territor Outside Craft Hours Craft Hours Residents Residents Residents A - Operating Enginee 1.845.588 208.91 25,292 86,218 97,406 11.3% 1.4% 4.7% 12.1% 41.3% 46.6% 31,111 56,714 26.1% 47.6% A - Carpenter 745,059 119,258 31,433 16.0% 4.2% 7.6% 26.4% A - Tunnel Worker 612.964 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% A - Electrician 90,614 10,505 63,290 16,819 19.0% 2.2% 11.6% 69.8% 18.6% 475,861 13.3% A - Plumber 426.328 117.056 34.015 56.249 26.792 27.5% 8.0% 13.2% 29.1% 48.1% 22.9% A - Iron Worker 270,117 60,009 10,843 26,800 22,366 22.2% 4.0% 9.99 18.1% 44.7% 37.39 A - Pile Driver 181,764 18,563 4,451 9,825 4,287 10.2% 2.4% 24.0% 52.9% 23.19 5.4% A - Painter 146,931 25,144 1,741 6,247 17,156 17.1% 1.2% 4.3% 6.9% 24.8% 68.29 A - Cement Mason 127,969 6.209 3,934 1.124 1.151 4.9% 3.1% 0.9% 63.4% 18.1% 18.5% A - Boilermaker 119.744 2.354 40 1.238 1.076 2.0% 0.0% 1.0% 1.7% 52.6% 45.7% 0.3% 24.9% 74.8% A - Building/Construction Inspector 88,328 5,036 13 1,254 3,769 5.7% 0.0% 1.49 A - Roofei 12,037 1,960 4.0% 10.9% 16.3% 44.0% 39.7% 48,597 5,300 4,777 24.8% A - Field Surveyo 21,992 734 11 71 652 3.3% 0.1% 0.3% 1.5% 9.7% 88.8% A - Sheet Metal Worker 1.4% 9.3% 58.1% 32.6% 20,183 3,157 293 1,835 1,030 15.6% 9.1% A - Drywall Installer/Lather 10.804 481 68 283 130 4.5% 0.6% 2.6% 14.1% 58.8% 27.0% A - Bricklayer 8,620 2,682 82 573 2,027 31.1% 1.0% 6.69 3.1% 21.3% 75.69 A - Plasterer 347 136 211 1.6% 0.0% 39.2% 0.0% 60.8% 8.426 4.1% A - Electrical Utility Lineman 6,909 79 79 1.1% 0.0% 1.1% 0.0% 100.0% 0.0% A - Glazier 4.347 564 402 20 142 13.0% 9.2% 0.5% 71.3% 3.5% 25.29 A - Metal Roofing Systems Installer 2,586 757 757 29.3% 0.0% 29.3% 0.0% 100.0% 0.0% 26 A - Asbestos Worker, Heat and Frost Ins 920 26 2.8% 0.0% 0.09 0.0% 0.0% 100.0% 24 A - Brick Tender 24 100.0% 0.0% 895 2.7% 2.7% 0.0% 0.0% A - Driver 532 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% A - Carpet Layer 27 0.0% 85.2% 14.8% 354 23 7.6% 0.0% 6.5% A - Tile Setter 351 20 20 -5.7% 0.0% 5.7% 0.0% 0.0% 0.0% A - Tile Finishe 277 40 40 14.4% 0.0% 0.09 0.0% 0.0% 0.0 A - Terrazzo Worker 199 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 Finishe 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 47.2% 124,920 317,918 231,294 13.0% 2.4% 6.1% 18.5% 34.3% Sub-Total Apprenticeable 5.176.686 674,132 259,302 13.6% 23.9% A - Laborei 2,938,241 400,125 45,225 95.598 1.5% 8.8% 11.3% 64.89 1,074,257 170,145 577,220 326,892 13.2% 2.1% 7.1% 15.8% 53.7% 30.4% 8,114,927 Total Apprenticeable Total Non-Apprenticeable 459,614 Total WSIP - Covered by PLA 8,574,541

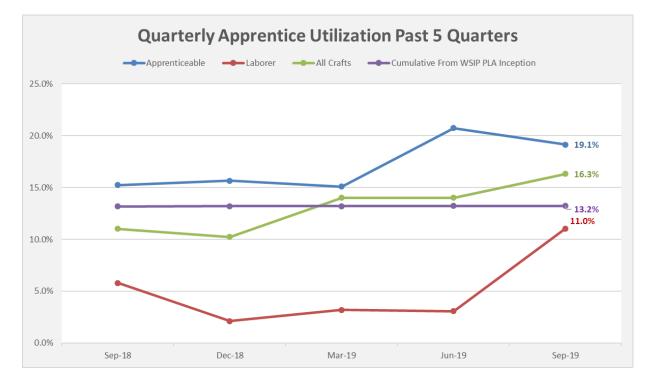
For the three months ending September 30, 2019, 28% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.2%.

				inception i	hrough September						
					Apprentice	Utilization By P			1		
		T	All Workers Hou	rs		Арр	rentice Hours	5	Appre	ntice Utilizatio	on %
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2729 - Fish Passage Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2539 - University Mound R	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2573 - Pulgas Balancing R	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	15.6%
WD-2627R - Sutro Reservoir Re	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	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%	
WD-2776 - SF Westside Recyc	63,229	45,200	81	17,948	63,148	8,465	1,368	9,832	18.7%	7.6%	15.6%
WD-2809 - SF Groundwater Su	24,509	10,806	-	13,703	24,509	2,017	625	2,642	18.7%	4.6%	10.8%
WD-2668 - Regional Groundwa	159,033	99,929	1,079	58,026	157,954	18,467	7,351	25,818	18.5%	12.7%	16.3%
WD-2798 - SF Westside Recyc	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
HH-914R - Roselle Crossover Ir	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
DB-116 - Tesla Treatment Facil	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2469 - Forest Knolls Pump	26,553	17,167	31	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 Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
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	9,202	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	52,623	31,711	-	20,912	52,623	4,322	1,903	6,225	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	4,051	1,077	128	2,846	3,923	134	384	518	12.4%	13.5%	13.2%
WD-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2629 - Seismic Upgrade of	134,349	73,390	1,511	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	16.3%
WD-2601 - Crystal Springs / Sa	489,160	334,614	23,054	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2541 - Bay Division Pipelin	208,058	88,905	12,743	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	1,532,115	864,283	36,402	631,430	1,495,714	87,898	98,383	186,282	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-2564 - HTWTP - Short Terr	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2623 - Harding Park Recyc	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	7.4%
WD-2556 - Baden and San Peo	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2542 - Bay Division 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	35,627	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 Irvington Tunne	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	8.2%
WD-2622 - SF Groundwater Su	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2543 - North University Mo	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	
WD-2531 - Bay Division Pipelin	583,318	412,690	91,092	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
WD-2665 - Bav Division Pipelin	21,967	10,548	234	11,185	21,733	168		1,909	1.6%	15.6%	
WD-2666 - BHR - Sheep Camp	23,492	16,708	-	6,448	23,156	228	1,615	1,843	1.4%	25.0%	
WD-2654R - Peninsula Vegeta	30,464	5,842	189	24,433	30,275	24		1,718	0.4%	6.9%	
WD-2829R - San Andreas Pipe	7,255	3,357	379	3,520	6,876	8		373	0.2%	10.4%	
WD-2529 - Noe Valley Transmi	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	
WD-2600 - Regional Groundwa	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	2,088	-	-		0.0%	0.0%	
WSIP - Covered by PLA (53 Pr			457,595	2,938,241	8,114,927	674,132	400,125	1,074,257	13.0%	13.6%	

The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending September 30, 2019.



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.

14,972 pre-employment tests have been administered as of September 30, 2019 to people who were cleared to work. 200 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 Enterprise. The chart is on the next page.

Tests Administered to Individuals Cleared to Work Through 9/30/2019 Project	Number
Project	Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-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 CS-936 - Advanced Meter Infrastructure	265
WD-2552 - Alameda Siphon No. 4 Project	229 229
HH-935B - San Joaquin Pipeline System - Western Segment	229
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	220
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	220
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	217
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	180
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	181
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 Proiect	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bav Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2654R - Peninsula Vegetation Removal	34
WD-2511 - Standby Power Facilities, Various Locations	30
WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30
WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28
WD-2829R - San Andreas Pipeline No. 2 Replacement	25
WD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassla	23
WD-2600 - Regional Groundwater Storage and Recovery Proiect- Test Well Drilling	22
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	8
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	-
Total Cleared	14,972

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. Inc. on Jun. 26, 2007 in the amount of \$17,899,960.

Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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



Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended December 31, 2019 (Second Quarter FY 2019-2020)



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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-eight (58) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.216 billion in original contract award through December 31, 2019.

<u>Construction Activity Highlights – Program-to-Date</u>

Contracting:

• Fifty-eight (58) construction contracts with a value of \$2.216 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 15,004 construction workers were employed for 8,610,498 hours and earned wages of \$344,190,201 on WSIP PLA-covered projects.
- 1,342 San Francisco residents worked 605,714 hours and earned \$23,186,143 on WSIP PLA-covered projects representing 7% of covered hours and 291 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. 6,145 residents of the Regional Service Territory earned wages of \$131,670,957 and worked 3,400,934 hours, representing 39% of covered hours and 1,635 full-time equivalent worker years.
- 15,011 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of December 31, 2019. 201 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, 2019					
Region of worker Residence	Worker Count	Sum of Hours	Sum of Wages	FTE		
All Workers	15,004	8,610,498	\$ 344,190,201	4,140		
San Francisco	1,342	605,714	\$ 23,186,143	291		
SFPUC Service Territory	6,145	3,400,934	\$ 131,670,957	1,635		
Outside	7,517	4,603,849	\$ 189,333,101	2,213		

Construction Activity Highlights - Quarter Ending December 31, 2019

Contracting:

• There were no contracts awarded during the reporting period.

Employment:

- 347 construction workers were employed for 35,957 hours and earned wages of \$1,795,837 on WSIP PLA-covered projects.
- 62 San Francisco residents worked 8,785 hours and earned wages of \$432,403 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, 121 residents of the Regional Service Territory worked 10,608 hours and earned wages of \$523,954 on WSIP PLA-covered projects.
- 39 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.

Region of Worker Residence	Three Months Ending December 31, 2019					
	Worker Count	Sum of Hours	Sum Of Wages		FTE*	
All Workers	347	35,957	\$	1,795,837	17	
San Francisco	62	8,785	\$	432,403	4	
SFPUC Service Territory	121	10,608	\$	523,954	5	
Outside	164	16,564	\$	839,480	8	

Summary of Craft Worker Employment

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

Summary of WSIP PLA-Covered Contract Awards

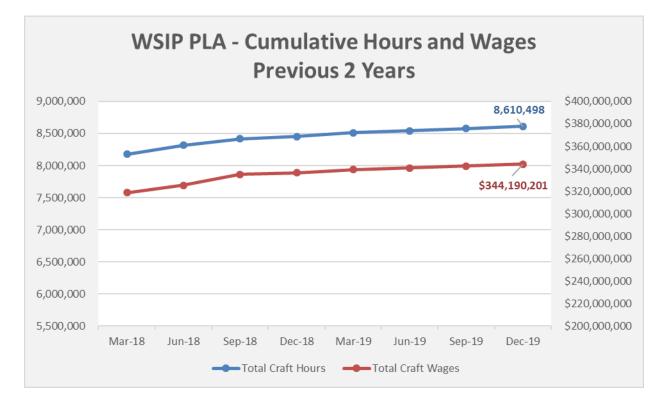
Construction Contracts Awarded Subject to the WSIP-PLA								
		Ince	ption through December 31, 2019					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate		Award \$		
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	\$20 Million	\$	15,633,20		
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$	1,498,0		
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Cha	\$5.8 Million	\$	4,784,7		
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$	32,087,2		
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facil	\$70 to 80 Million	\$	87,597,0		
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$	9,780,0		
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$	21,729,7		
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Water	\$30 Million	\$	28,939,3		
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$	11,062,5		
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$	14,955,1		
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$	42,980,0		
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$	8,676,6		
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$	20,736,3		
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$	31,372,3		
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$	27,453,0		
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$	3,912,5		
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$	31,320,0		
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Po	\$5.9 to \$6.7 Million	\$	5,591,7		
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$	2,760,0		
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I	\$3.6 to \$4.2 Million	\$	2,998,6		
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$	5,251,1		
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$	12,947,4		
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas		\$	6,499,0		
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$	3,188,0		
	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$	45,329,4		
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$	259,571,8		
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$	174,197,0		
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$	32,547,3		
	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$	48,706,3		
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$	17,360,4		
	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$	99,763,0		
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$	5,251,1		
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$	226,657,7		
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$	83,102,1		
	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$	11,723,8		
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$	215,294,5		
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$	52,183,4		
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$	61,558,0		
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$	3,847,2		
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$	12,857,0		
	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$	6,991,0		
	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$	2,837,0		
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$	16,336,3		
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$	29,597,0		
05/26/09	WD-2552				4			
04/28/09	WD-2568	Steve P. Rados Shimmick Construction	Alameda Siphon No. 4 Project BDPL Nos. 3&4 Crossover Facilities	\$45.5 Million \$21.5 Million	\$ \$	31,933,6 12,695,0		
04/28/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ \$	31,584,0		
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ \$	62,822,9		
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$	11,536,5		
12/09/08	WD-2556 WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	ې \$	5,724,0		
	WD-2529* WD-2498			\$55 to \$65 Million				
10/14/08		Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel		\$ ¢	55,674,0		
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ ¢	81,420,5		
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$	13,529,3		
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ ¢	13,824,0		
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$	6,547,0		
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$	23,269,0		
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$	8,419,0		
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$	17,899,9		

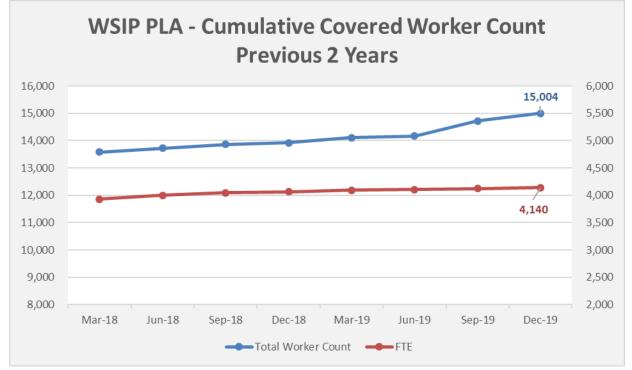
* indicates projects located in San Francisco

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending December 31, 2019; 15,004 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,610,498 craft hours and \$344,190,201 in craft wages.

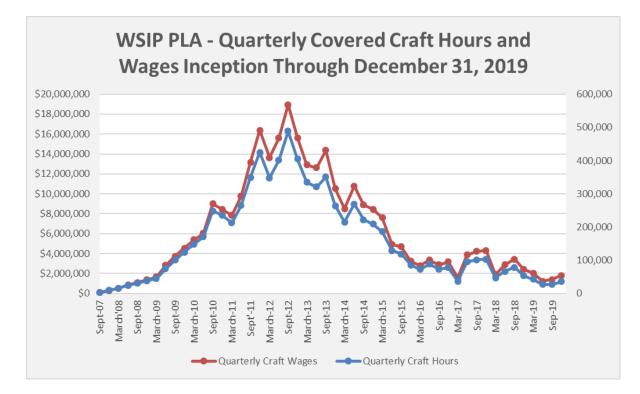
The tables below describe the progressive accumulation of these totals over the past two years.



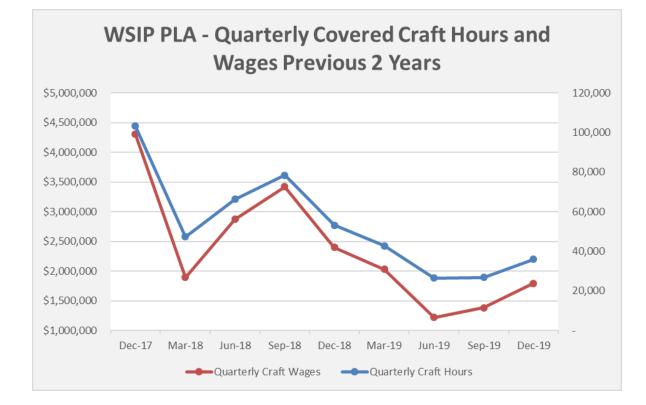


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



Craft Utilization on WSIP PLA-Covered Projects

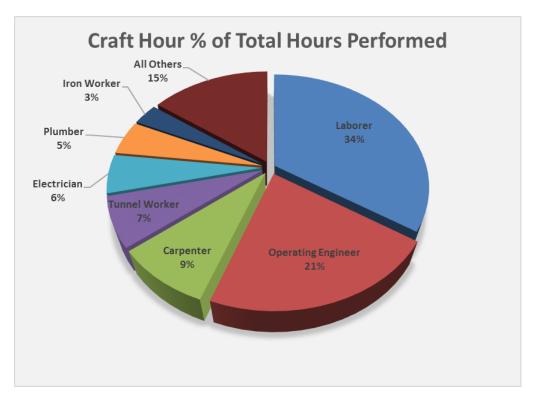
As of December 31, 2019, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 30 craft areas.

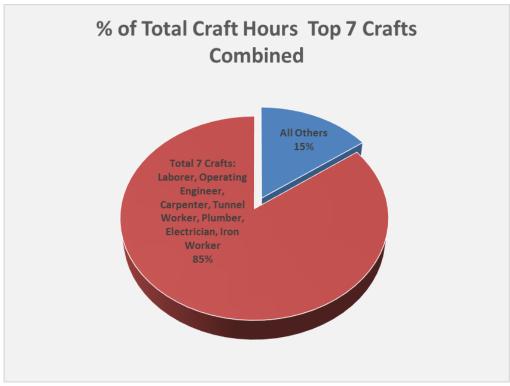
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

	Cumulative	Em	ployment by	Craft			
	Inception Thro	bugł	n December 31	, 2019			
Croft	Total Haven	,		% Craft Hours	% Wages of	FTF	
Craft	Total Hours	Total Wages		of Total Hours	Total Wages	FTE	
Laborer	2,952,680	\$	91,776,193	34.3%	26.7%	1,420	
Operating Engineer	1,849,636	\$	77,903,110	21.5%	22.6%	889	
Carpenter	750,813	\$	31,936,367	8.7%	9.3%	361	
Tunnel Worker	612,964	\$	26,175,557	7.1%	7.6%	295	
Electrician	478,452	\$	25,417,860	5.6%	7.4%	230	
Plumber	428,994	\$	20,286,785	5.0%	5.9%	206	
Iron Worker	272,297	\$	9,427,392	3.2%	2.7%	131	
Top 7 Sub-Total	7,345,836	\$	282,923,265	85.3%	82.2%	3,532	
Pile Driver	181,764	\$	9,710,884	2.1%	2.8%	87	
Painter	147,899	\$	5,794,737	1.7%	1.7%	71	
Cement Mason	128,146	\$	4,509,086	1.5%	1.3%	62	
Boilermaker	120,156	\$	6,376,759	1.4%	1.9%	58	
Building/Construction Inspector	88,686	\$	4,997,855	1.0%	1.5%	43	
Roofer	48,991	\$	1,660,121	0.6%	0.5%	24	
Field Surveyor	22,069	\$	1,261,056	0.3%	0.4%	11	
Sheet Metal Worker	20,795	\$	1,016,826	0.2%	0.3%	10	
Drywall Installer/Lather	10,863	\$	461,330	0.1%	0.1%	5	
Plasterer	9,279	\$	336,361	0.1%	0.1%	4	
Bricklayer	8,620	\$	329,139	0.1%	0.1%	4	
Electrical Utility Lineman	6,909	\$	425,367	0.1%	0.1%	3	
Glazier	4,347	\$	214,828	0.1%	0.1%	2	
Metal Roofing Systems Installer	2,586	\$	92,217	0.0%	0.0%	1	
Asbestos Worker, Heat and Frost Insul	920	\$	55,784	0.0%	0.0%	0	
Brick Tender	895	\$	30,418	0.0%	0.0%	0	
Driver	532	\$	55,198	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				
Remaining Apprenticeable Sub-Total	804,743	\$	37,377,126	9.3%	10.9%	387	
Total Non-Apprenticeable	459,919	\$	23,889,810	5.3%	6.9%	221	
Total WSIP-Covered by PLA	8,610,498	\$	344,190,201	100.0%	100.0%	4,140	

Sorted by Total Craft Hours

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of December 31, 2019. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 72% of craft hours worked on PLA-covered projects.

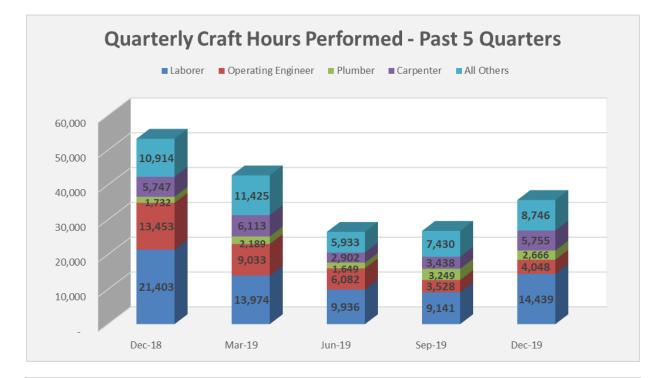


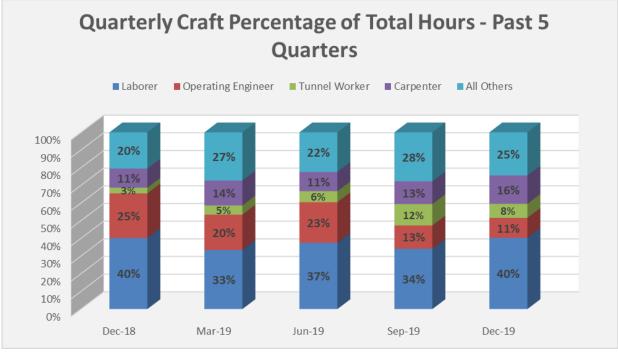


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours		Total Cumulative Wages	Quarter Ending 12-31-2019 Hours		arter Ending 12-31-2019 Wages
Laborer	2,952,680	\$	91,776,193	14,439	\$	565,513
Operating Engineer	1,849,636	\$	77,903,110	4,048	\$	226,182
Carpenter	750,813	\$	31,936,367	5,755	\$	299,969
Tunnel Worker	612,964	\$	26,175,557	-	\$	-
Electrician	478,452	\$	25,417,860	2,592	\$	186,317
Plumber	428,994	\$	20,286,785	2,666	\$	187,116
Iron Worker	272,297	\$	9,427,392	2,180	\$	95,395
Pile Driver	181,764	\$	9,710,884	-	\$	-
Painter	147,899	\$	5,794,737	968	\$	46,160
Cement Mason	128,146	\$	4,509,086	177	\$	5,535
Boilermaker	120,156	\$	6,376,759	412	\$	33,164
Building/Construction Inspector	88,686	\$	4,997,855	358	\$	17,437
Roofer	48,991	\$	1,660,121	394	\$	13,677
Field Surveyor	22,069	\$	1,261,056	77	\$	3,639
Sheet Metal Worker	20,795	\$	1,016,826	613	\$	42,183
Drywall Installer/Lather	10,863	\$	461,330	59	\$	2,879
Plasterer	9,279	\$	336,361	854	\$	33,966
Bricklayer	8,620	\$	329,139	-	\$	-
Electrical Utility Lineman	6,909	\$	425,367	-	\$	-
Glazier	4,347	\$	214,828	-	\$	-
Metal Roofing Systems Installer	2,586	\$	92,217	-	\$	-
Asbestos Worker, Heat and Frost Insulator	920	\$	55,784	-	\$	_
Brick Tender	895	\$	30,418	-	\$	_
Driver	532	\$	55,198	-	\$	_
Carpet Layer	354	\$	16,311	-	\$	_
Tile Setter	351	\$	12,929	-	\$	-
Tile Finisher	277	φ \$	5,836	-	φ \$	-
Terrazzo Worker	199	\$	8,163	-	ֆ \$	-
Sprinkler Fitter	64	φ \$	4,417	64	գ \$	4,417
Marble Finisher	40	э \$	1,342	- 04		4,417
Terrazzo Finisher	40	э \$	1,342	-	\$ \$	-
		φ		25.652	φ	4 762 550
	8,150,579		320,300,392	35,652		1,763,550
Teamster	136,065	\$	6,427,969		\$	-
Driver (On/Off-Hauling To/From Construction Site)	98,483	\$	7,354,816	305	\$	32,287
Operating Engineer (Heavy And Highway Work) (Specia	95,289	\$	4,512,513	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Hig			3,676,393	-	\$	-
Asbestos Removal Worker (Laborer)	17,057		435,487	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Hig	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	1,100	ф \$	37,245	-	э \$	-
	1,131		56,467	-	ъ \$	-
Steel Erector And Fabricator (Operating Engineer - Hea Traffic Control/Lane Closure (Laborer)	888	\$ ¢				-
· · · · · ·	831	\$ ¢	31,991	-	\$ ¢	-
Dredger Operating Engineer		\$ ¢	33,307	-	\$ ¢	-
Operating Engineer (Building Construction)	635 592	\$ ¢	24,810	-	\$ ¢	-
Slurry Seal Worker Parking And Highway Improvement Painter (Painter)	247	\$ \$	17,811 10,082	-	\$ \$	-
						-
Ironworker (Db)	80	\$ ¢	2,772	-	\$ ¢	-
Teamster (Special Single Shift Rate) Total Non-Apprenticeable	11 459,919	\$ \$	291 23,889,810	305	\$ \$	32,287
Total Apprenticable	8,150,579	<u> </u>	320,300,392	35,652	\$	1,763,550
Total WSIP PLA	8,610,498		344,190,201	35,957	\$	1,795,837
	0,010,498	Ş	344,130,201	33,337	ç	1,755,657

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

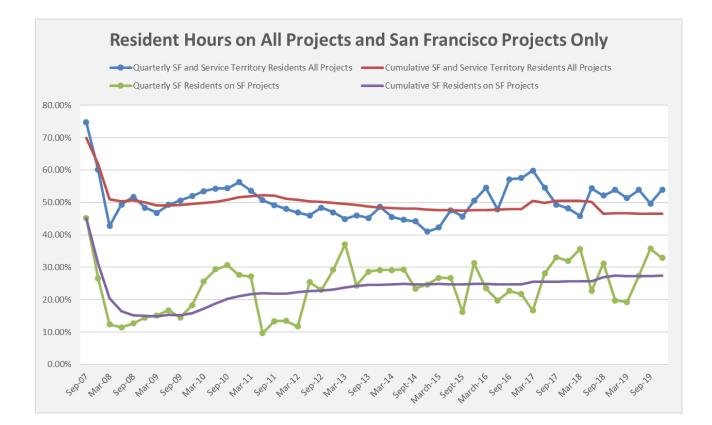




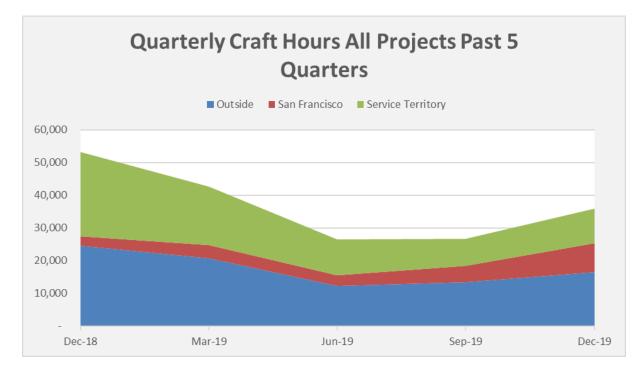
Worker Residence on the WSIP PLA

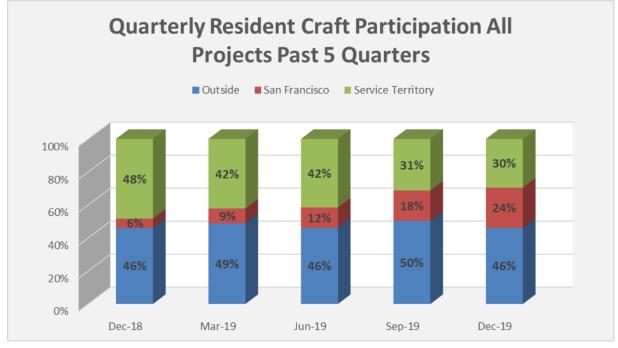
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through December 31, 2019.

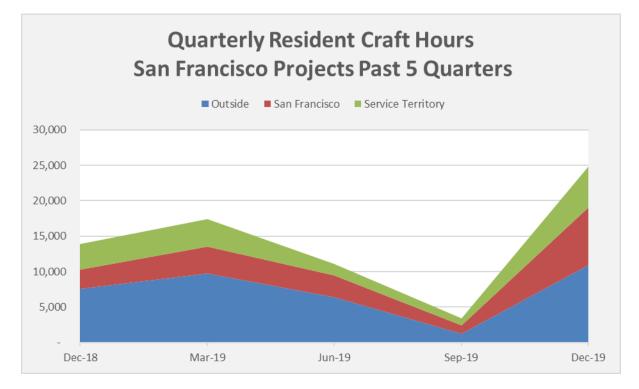


<u>Residence on ALL WSIP PLA Projects</u> - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



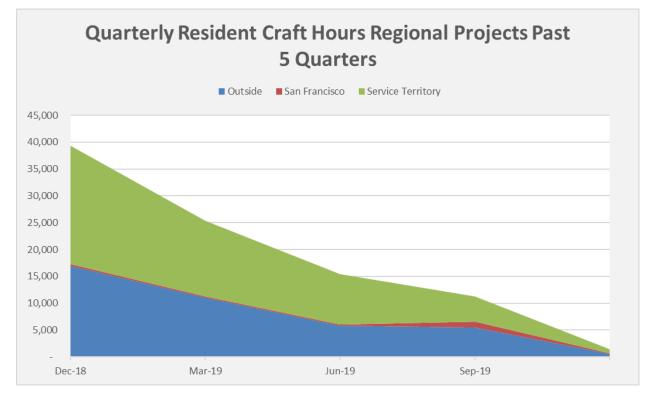


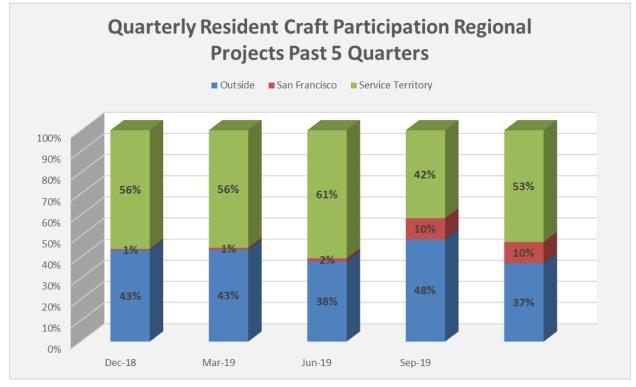
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





	WSIP-PLA Employr Inceptior	: by Top 20 Coun ough December 3		e	
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda County	1,538,497	\$ 57,695,900	17.9%	2,913	740
Contra Costa County	1,220,221	\$ 48,305,529	14.2%	2,002	587
San Joaquin County	838,652	\$ 31,802,172	9.7%	1,260	403
San Mateo County	737,438	\$ 30,053,121	8.6%	1,254	355
San Francisco County	605,714	\$ 23,186,143	7.0%	1,342	291
Santa Clara County	447,675	\$ 17,936,353	5.2%	1,274	215
Solano County	429,451	\$ 17,367,629	5.0%	871	206
Stanislaus County	387,535	\$ 14,386,920	4.5%	628	186
Sacramento County	347,803	\$ 14,269,687	4.0%	607	167
Butte County	212,344	\$ 8,404,260	2.5%	130	102
Sonoma County	186,283	\$ 7,583,709	2.2%	356	90
Placer County	111,880	\$ 5,062,880	1.3%	140	54
Tuolumne County	102,588	\$ 3,982,918	1.2%	103	49
Calaveras County	101,552	\$ 4,515,018	1.2%	79	49
El Dorado County	88,595	\$ 3,768,890	1.0%	87	43
Los Angeles County	72,614	\$ 3,265,783	0.8%	145	35
Yolo County	71,665	\$ 2,991,410	0.8%	93	34
Shasta County	70,000	\$ 3,256,292	0.8%	46	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	7,698,565	\$ 303,799,509	89.4%	13,514	3,701
All Other Counties	911,933	\$ 40,390,692	10.6%	1,490	438
WSIP-PLA Total	8,610,498	\$ 344,190,201	100.0%	15,004	4,140

Residence by County

San Francisco Residents by Zip Code

			by San Francis	-		
	Inception	1 Th	rough Decembe			
		1	То	tal Workers	-	
San Francisco Zip Codes	Total Craft Hours		Wages	% Total Craft Hours	Worker Count	FTE
94112	116,298	\$	4,129,510	19.2%	219	5
94124	102,703	\$	4,062,197	17.0%	278	4
94116	84,261	\$	3,924,104	13.9%	85	4
94110	81,649	\$	2,862,894	13.5%	184	3
94134	40,730	\$	1,235,639	6.7%	120	2
94122	31,891	\$	1,478,681	5.3%	75	1
94103	23,903	\$	729,261	3.9%	38	1
94121	19,587	\$	779,956	3.2%	48	
94118	14,929	\$	734,235	2.5%	21	
94127	13,979	\$	591,839	2.3%	22	
94132	10,833	\$	438,787	1.8%	35	
94117	10,718	\$	291,982	1.8%	18	
94107	9,562	\$	357,916	1.6%	31	
94102	8,823	\$	386,798	1.5%	22	
94131	6,815	\$	209,181	1.1%	25	
94109	4,939	\$	156,479	0.8%	21	
94133	4,683	\$	187,482	0.8%	10	
94114	4,353	\$	189,922	0.7%	16	
94108	3,416	\$	83,898	0.6%	7	
94130	3,179	\$	67,807	0.5%	12	
94115	2,748	\$	93,545	0.5%	26	
94142	1,740	\$	68,149	0.3%	7	
94111	915	\$	21,546	0.2%	3	
94123	561	\$	28,323	0.1%	2	
94104	523	\$	13,179	0.1%	2	
94129	447	\$	14,182	0.1%	1	
94105	410	\$	12,781	0.1%	4	
94188	366	\$	9,790	0.1%	3	
94140	288	\$	11,589	0.0%	1	
94119	255	\$	7,976	0.0%	1	
94147	162	\$	4,785	0.0%	1	
94158	24	\$	697	0.0%	3	
94125	21	\$	768	0.0%	1	
94164	6	\$	264	0.0%	1	
Fotal	605,714	\$	23,186,143	100.0%	1,342	29
WSIP-PLA Total	8,610,498	\$	344,190,201	_	15,004	4,14

Sorted by Total Craft Hours

Residence by Craft

	Cumulative Employment of Residents By Craft										
		Inception Throug	h December 31, 20	19							
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours				
Operating Engineer	1,849,636	66,747	660,777	1,122,111	3.6%	35.7%	60.7%				
Carpenter	750,813	87,272	305,496	358,046	11.6%	40.7%	47.7%				
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%				
Electrician	478,452	25,939	253,266	199,247	5.4%	52.9%	41.6%				
Plumber	428,994	88,716	143,363	196,915	20.7%	33.4%	45.9%				
Iron Worker	272,297	18,090	104,686	149,521	6.6%	38.4%	54.9%				
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%				
Painter	147,899	9,565	16,980	121,354	6.5%	11.5%	82.1%				
Cement Mason	128,146	10,079	54,960	63,108	7.9%	42.9%	49.2%				
Boilermaker	120,156	48	23,158	96,949	0.0%	19.3%	80.7%				
Building/Construction Inspector	88,686	3,959	12,193	72,534	4.5%	13.7%	81.8%				
Roofer	48,991	4,487	25,357	19,147	9.2%	51.8%	39.1%				
Field Surveyor	22,069	1,382	4,038	16,650	6.3%	18.3%	75.4%				
Sheet Metal Worker	20,795	2,470	11,531	6,795	11.9%	55.5%	32.7%				
Drywall Installer/Lather	10,863	4,146	1,851	4,867	38.2%	17.0%	44.8%				
Plasterer	9,279	5,226	1,148	2,905	56.3%	12.4%	31.3%				
Bricklayer	8,620	82	4,060	4,478	1.0%	47.1%	52.0%				
Electrical Utility Lineman	6,909		186	6,723	0.0%	2.7%	97.3%				
Glazier	4,347	1,028	1,395	1,925	23.6%	32.1%	44.3%				
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%				
Asbestos Worker, Heat and Frost Insulator	920	-	229	691	0.0%	24.9%	75.1%				
Brick Tender	895	287	19	589	32.1%	2.1%	65.8%				
Driver	532	532	-	-	100.0%	0.0%	0.0%				
-	354	111	- 89	- 154	31.4%	25.1%	43.5%				
Carpet Layer Tile Setter		-		7							
	351		344		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	5,197,899	347,898	1,890,409	2,959,592	6.7%	36.4%	56.9%				
LABORER	2,952,680	230,477	1,273,008	1,449,195	7.8%	39.8%	58.5%				
Non-Apprenticeable											
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%				
Driver (On/Off-Hauling To/From Construction	98,483	16,989	65,701	15,793	17.3%	66.7%	16.0%				
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%				
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%				
Asbestos Removal Worker (Laborer)	17,057	951	2,161	13,945	5.6%	12.7%	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	1,131	-	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%				
			337				43.0%				
Slurry Seal Worker Parking And Highway Improvement Painter (592			255	0.0%	56.9% 66.8%					
5 5 J I	247	-	165	82	0.0%		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	459,919	27,339	237,518	195,062	5.9%	51.6%	42.4%				
Total WSIP PLA	8,610,498	605,714	3,400,934	4,603,849	7.0%	39.5%	53.5%				

Residence by Project

Employment Summary - Cumulative Employment of Residents by Project Craft Employment Summary Through December 31, 2019											
Project	Craft Emplo	San Francisco Hours	ry Through Dec Service Territory Hours	ember 31, 2019 Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours				
WD-2551 - Calaveras Dam Replacemer	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%				
WD-2596 - HTWTP Long-Term Improver	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 Relia	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%				
WD-2601 - Crystal Springs / San Andre	489,160	25,325	193,302	270,533	5.2%	39.5%	55.39				
WD-2582 - Sunol Valley Water Treatme	462,423	9,292	174,479	278,653	2.0%	37.7%	60.39				
WD-2542 - Bay Division Pipeline No. 5	288,044	5,836	129,660	152,548	2.0%	45.0%	53.09				
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	28.79				
WD-2541 - Bay Division Pipeline No. 5	208,058	13,608	85,977	108,472	6.5%	41.3%	52.19				
WD-2539 - University Mound Reservoir	187,016	49,450	51,060	86,507	26.4%	27.3%	46.39				
ND-2729 - Fish Passage Facilities - Al	164,770	1,159	70,568	93,044	0.7%	42.8%	56.59				
ND-2668 - Regional Groundwater Store	160,412	26,575	81,162	52,675	16.6%	50.6%	32.89				
ND-2627R - Sutro Reservoir Rehabilitat	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5				
HH-935C - San Joaquin Pipeline - Easte DB-116 - Testa Treatment Facility	143,988 141,910	83 3,122	80,508 93,841	63,397 44,948	0.1% 2.2%	55.9% 66.1%	44.0				
DB-116 - Tesla Treatment Facility ND-2629 - Seismic Upgrade of Bay Div	,	3,122	93,841 52,403	44,948 80,131	2.2%	66.1% 39.0%	59.69				
	134,349	-									
ND-2552 - Alameda Siphon No. 4 Proje	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2				
ND-2555 - Crystal Springs Pipeline No	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1				
ND-2498 - New Crystal Springs Bypas	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3				
ND-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5				
ND-2548 - Lake Merced Pump Station	101,050	28,541 111	25,790	46,720	28.2%	25.5%	46.2				
H-935B - San Joaquin Pipeline - West VD-2591 - Lower Crystal Springs Dam	100,492 98,562	5,463	41,614 52,743	58,767	0.1% 5.5%	41.4%	58.5 40.9				
H-935A - San Joaquin Pipeline - Cross	96,562	5,463 223	52,743 45,318	40,356 38,942	0.3%	53.5% 53.6%	40.9				
ND-2513 - San Andreas Pipeline No.3	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8				
ND-2313 - San Andreas Fipeline No.3 ND-2776 - SF Westside Recycled Wat	79,601	22,382	20,219	46,300	28.1%	25.7%					
ND-2776 - SF Westside Recycled Wat ND-2575 - San Antonio Backup Pipelin	79,601	8,780	20,441 31,767	36,777	20.1%	42.2%	46.2				
ND-2573 - Stanford Heights Reservoir S	73,203	14,461	20,361	39,472	19.5%	42.2%	53.1				
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1				
ND-2727 - Peninsula Pipeline Seismic	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%	36.29				
WD-2568 - BDPL Nos. 3&4 Crossover	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				
VD-2654R - Peninsula Vegetation Rem		4,839	9,727	15,897	15.9%	31.9%	52.2				
ND-2809 - SF Groundwater Supply Pha	28,038	5,591	2,924	19,523	19.9%	10.4%	69.6				
ND-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1				
ND-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7				
ND-2623 - Harding Park Recycled Wat	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4				
VD-2651R - Peninsula 2011 Watershee	22,569	557	10,940	11,072	2.5%	48.5%	49.1				
VD-2529 - Noe Valley Transmission M	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2				
ND-2665 - Bav Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.8				
VD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8				
VD-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4				
VD-2566 - San Antonio Pump Station	14,916	101	11,948	2,868	0.7%	80.1%	19.2				
VD-2829R - San Andreas Pipeline No.	14,462	1,907	4,393	8,163	13.2%	30.4%	56.4				
H-914R - Roselle Crossover Improvem	12,859	0	8,861	3,999	0.0%	68.9%	31.1				
H-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3				
VD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9				
VD-2640 - Bioregional Habitat Restorat	10,621	667	4,028	5,926	6.3%	37.9%	55.8				
VD-2822R2 - Lower Crystal Springs Da	6,530	196	2,954	3,380	3.0%	45.2%	51.8				
VD-2600 - Regional Groundwater Stora	6,088	0	296	5,792	0.0%	4.9%	95.1				
WD-2797 - SF Westside Recycled Wat	4,972	2,653	1,164	1,156	53.4%	23.4%	23.2				
ND-2855 - Turner Dam Spillway and Po	2,088	0	1,623	465	0.0%	77.7%	22.3				
ND-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2				
Total WSIP PLA	8,610,498	605,714	3,400,934	4,603,849	7.0%	39.5%	53.5				

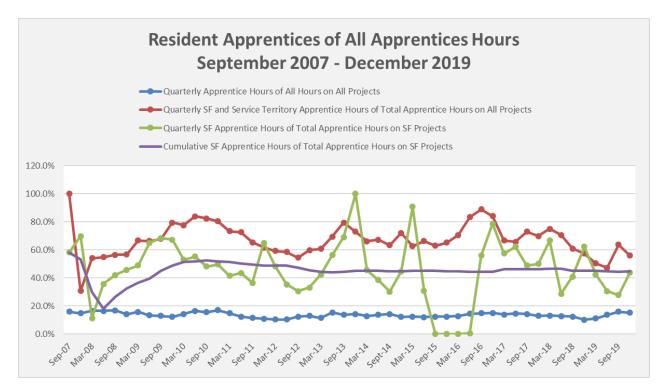
Apprentice Utilization

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, 13.2% of craft hours in apprenticeable trades have been worked by apprentices. 16% of apprentice hours were worked by San Francisco residents and 54% were worked by residents of the Regional Service Territory, or 70% combined.

			A	oprentice Hou	rs	Арр	rentice Utiliza	tion	Re	sident Apprentice	%
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,849,636	209,038	25,334	86,299	97,406	11.3%	1.4%	4.7%	12.1%	41.3%	46.6%
A - Carpenter	750,813	120,662	31,421	56,819	32,422	16.1%	4.2%	7.6%	26.0%	47.1%	26.9%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	478,452	91,309	10,928	63,309	17,073	19.1%	2.3%	13.2%	12.0%	69.3%	18.79
A - Plumber	428,994	117,562	34,169	56,471	26,922	27.4%	8.0%	13.2%	29.1%	0.0%	0.0%
A - Iron Worker	272,297	60,415	10,901	26,833	22,681	22.2%	4.0%	9.9%	18.0%	44.4%	37.5%
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.19
A - Painter	147,899	25,154	1,747	6,247	17,160	17.0%	1.2%	4.2%	6.9%	24.8%	68.2%
A - Cement Mason	128,146	6,385	4,110	1,124	1,151	5.0%	3.2%	0.9%	64.4%	17.6%	18.09
A - Boilermaker	120,156	2,354	40	1,238	1,076	2.0%	0.0%	1.0%	1.7%	52.6%	45.7%
A - Building/Construction Inspector	88,686	5,048	17	1,254	3,777	5.7%	0.0%	1.4%	0.3%	24.8%	74.89
A - Roofer	48,991	12,206	1,960	5,300	4,946	24.9%	4.0%	10.8%	0.0%	0.0%	0.0%
A - Field Surveyor	22,069	734	11	71	652	3.3%	0.0%	0.3%	1.5%	9.7%	88.89
A - Sheet Metal Worker	20,795	3,182	293	1,860	1,030	15.3%	1.4%	8.9%	9.2%	58.5%	32.49
A - Drywall Installer/Lather	10,863	481	68	283	130	4.4%	0.6%	2.6%	14.1%	58.8%	27.0%
A - Plasterer	9,279	347	136	-	211	3.7%	1.5%	0.0%	39.2%	0.0%	60.8%
A - Bricklayer	8,620	2,682	82	573	2,027	31.1%	1.0%	6.6%	3.1%	21.3%	75.6%
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.05
A - Glazier	4,347	564	402	20	142	13.0%	9.2%	0.5%	71.3%	3.5%	25.29
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	920	26	-	-	26	2.8%	0.0%	0.0%	0.0%	0.0%	100.09
A - Brick Tender	895	24	24	-	-	2.7%	2.7%	0.0%	0.0%	0.0%	0.0%
A - Driver	532	-	-	-	-	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%	14.89
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%	100.09
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%	0.09
A - Marble Finisher	40	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.09
A - Terrazzo Finisher	4	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.09
Sub-Total Apprenticeable	5,197,899	677,657	126,092	318,403	233,162	13.0%	2.4%	6.1%	18.6%	47.0%	34.49
A - Laborer	2,952,680	402,111	46,014	259,940	96,157	13.6%	1.6%	8.8%	11.4%	64.6%	23.9
Total Apprenticeable	8,150,579	1,079,768	172,106	578,343	329,319	13.2%	2.1%	7.1%	15.9%	53.6%	30.5
Total Non-Apprenticeable	459,919										
Total WSIP - Covered by PLA	8,610,498										

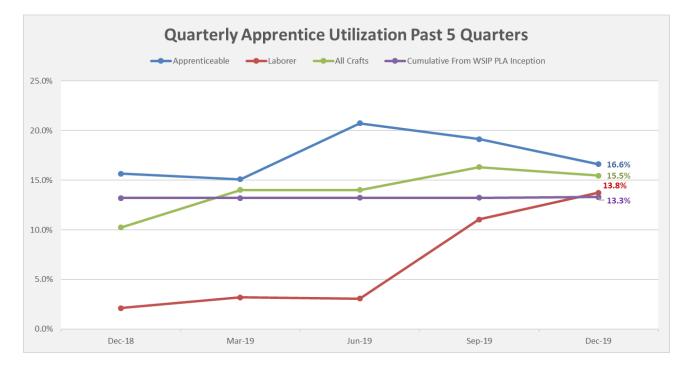
For the three months ending December 31, 2019, 44% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



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

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through December 31, 2019												
				incoption 1		Utilization By P	roject					
			All Workers Hou	rs		App	rentice Hours	;	Appre	ntice Utilizatio	on %	
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %	
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%	
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-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%	
DB-116 - Tesla Treatment Facil	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%	
WD-2729 - Fish Passage Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%	
WD-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%	
WD-2798 - SF Westside Recyc	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%	
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-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-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-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-2640 - Bioregional Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%	
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 Recyc	79,601	58,017	81	21,503	79,520	11,278	1,707	12,985	19.4%	7.9%	16.3%	
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-2668 - Regional Groundwa	160,412	100,468	1,079	58,865	159,333	18,467	7,375	25,842	18.4%	12.5%	16.2%	
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-2573 - Pulgas Balancing R	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%		
HH-914R - Roselle Crossover Ir	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%	
WD-2582 - Sunol Valley Water	462,423	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%		
WD-2596 - HTWTP Long-Term	1,013,848	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%	14.8%	
WD-2822R2 - Lower Crystal Sp	6,530	1,587	128	4,816	6,402	227	699	925	0.0%	14.5%	14.4%	
WD-2600 - Regional Groundwa	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%	
WD-2627R - Sutro Reservoir Re	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%	
WD-2556 - Baden and San Peo	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%	
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%	
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-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-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%	
WD-2566 - San Antonio Pump	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%	
HH-935C - San Joaquin Pipelin	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%		
WD-2621R - SF Groundwater S WD-2809 - SF Groundwater Su	52,623	31,711	-	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%	
WD-2797 - SF Westside Recyc	28,038 4,972	13,228	-	14,810 3,379	28,038 4,972	2,520 55	625 502	3,145 557	19.1% 3.4%	4.2%	11.2%	
WD-2469 - Forest Knolls Pump	26,553	17,167	- 31	9,355	26,522	2,888	19	2,907	16.8%	0.2%	11.2%	
WD-2555 - Crystal Springs Pir	127,763	49,074	9,202	69,487	118,561	2,000	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	12,933	14.6%	0.5%	10.9%	
HH-935A - San Joaquin Pipelin	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	14.0%	12.2%	10.8%	
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-2601 - Crystal Springs / Sa	489,160	334,614	23,054	131,493	466,106	37,795	10,916	48,710	11.3%	8.3%		
WD-2541 - Bay Division Pipelin	208,058	88,905	12,743	106,410	195,315	10,026	10,170	20,196	11.3%	9.6%	10.3%	
WD-2501 - Alemany Pump Sta	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%		
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%		
WD-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%	
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%		
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-2581 - New Irvington Tunne		546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%		
WD-2666 - BHR - Sheep Camp	23,492	16,708	-	6,784	23,492	228	1,615	1,843	1.4%	23.8%		
WD-2589 - SCADA System Ph	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%		
WD-2623 - Harding Park Recyc	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%		
WD-2531 - Bay Division Pipelin	583,318	412,690	91,092	79,535	492,226	14,153	18,238	32,391	3.4%	22.9%		
WD-2543 - North University Mo	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%		
WD-2654R - Peninsula Vegetat	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%		
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%		
WD-2529 - Noe Valley Transmi	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%		
WD-2564 - HTWTP - Short Terr	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%		
WD-2829R - San Andreas Pipe	14,462	6,670	684	7,109	-	50	1,171	-	0.7%	16.5%		
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	2,088	-	-	-	0.0%	0.0%	0.0%	
WSIP - Covered by PLA (57 Pr			457,900	2,954,699	8,138,819	677,657	402,111	1,078,548	13.0%	13.6%		

The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending December 31, 2019.



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.

15,011 pre-employment tests have been administered as of December 31, 2019 to people who were cleared to work. 201 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 Enterprise. The chart is on the next page.

Tests Administered to Individuals Cleared to Work Through 12/31/2019 Project	Number
Tojett	Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	374 335
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	205
WD-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	229
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
WD-2627R - Setsific Opgrade of Bay Division Pipeline Nos. S&4 at the Payward Pault WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	220
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	214
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	135
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-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bay Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2654R - Peninsula Vegetation Removal	34
WD-2829R - San Andreas Pipeline No. 2 Replacement	31
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 Grasslar	23
WD-2600 - Regional Groundwater Storage and Recovery Proiect- Test Well Drilling	22
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	8
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	

Legislative History of the WSIP PLA

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

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

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

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

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

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

Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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



Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended March 31, 2020 (Third Quarter FY 2019-2020)



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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-eight (58) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.216 billion in original contract award through March 31, 2020.

<u>Construction Activity Highlights – Program-to-Date</u>

Contracting:

• Fifty-eight (58) construction contracts with a value of \$2.216 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 15,142 construction workers were employed for 8,63,268 hours and earned wages of \$345,485,441 on WSIP PLA-covered projects.
- 1,358 San Francisco residents worked 611,668 hours and earned \$23,487,934 on WSIP PLA-covered projects representing 7% of covered hours and 294 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. 6,197 residents of the Regional Service Territory earned wages of \$132,078,946 and worked 3,408,559 hours, representing 39% of covered hours and 1,639 full-time equivalent worker years.
- 15,049 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of March 31, 2020. 201 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Pagion of Worker Posidones	Inception Through March 31, 2020							
Region of Worker Residence	Worker Count	Sum of Hours	Sum of Wages	FTE				
All Workers	15,142	8,634,268	\$ 345,485,441	4,151				
San Francisco	1,358	611,668	\$ 23,487,934	294				
SFPUC Service Territory	6,197	3,408,559	\$ 132,078,946	1,639				
Outside	7,587	4,614,041	\$ 189,918,561	2,218				

Construction Activity Highlights - Quarter Ending March 31, 2020

Contracting:

• There were no contracts awarded during the reporting period.

Employment:

- 254 construction workers were employed for 23,770 hours and earned wages of \$1,295,240 on WSIP PLA-covered projects.
- 46 San Francisco residents worked 5,954 hours and earned wages of \$301,791 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, 86 residents of the Regional Service Territory worked 7,625 hours and earned wages of \$407,989 on WSIP PLA-covered projects.
- 21 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.

	Three Months Ending March 31, 2020								
Region of Worker Residence	Worker Count	Sum of Hours	Sur	n Of Wages	FTE*				
All Workers	254	23,770	\$	1,295,240	12				
San Francisco	46	5,954	\$	301,791	3				
SFPUC Service Territory	86	7,625	\$	407,989	4				
Outside	122	10,192	\$	585,460	5				

Summary of Craft Worker Employment

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

Summary of WSIP PLA-Covered Contract Awards

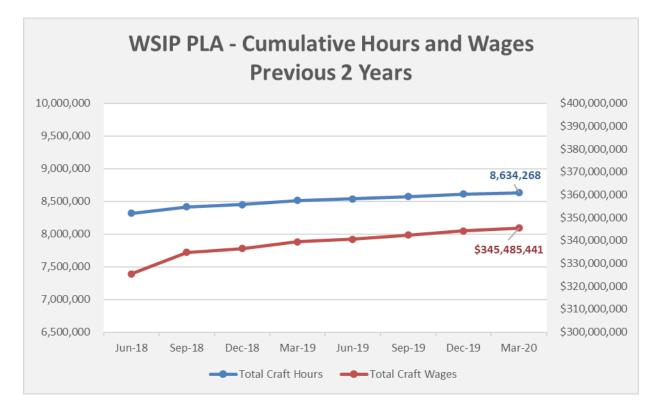
Construction Contracts Awarded Subject to the WSIP-PLA										
	1	Ir	nception through March 31, 2020		_					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate		Award \$				
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	\$20 Million	\$	15,633,20				
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$	1,498,0				
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Cha	\$5.8 Million	\$	4,784,7				
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$	32,087,2				
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facil	\$70 to 80 Million	\$	87,597,0				
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$	9,780,0				
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$	21,729,7				
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Water	\$30 Million	\$	28,939,3				
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$	11,062,5				
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$	14,955,1				
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$	42,980,0				
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$	8,676,6				
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$	20,736,3				
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$	31,372,3				
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$	27,453,0				
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$	3,912,5				
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$	31,320,0				
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Po	\$5.9 to \$6.7 Million	\$	5,591,7				
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$	2,760,0				
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I	\$3.6 to \$4.2 Million	\$	2,998,6				
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$	5,251,1				
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$	12,947,4				
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas	\$6.4 Million	\$	6,499,0				
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$	3,188,0				
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$	45,329,4				
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$	259,571,8				
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$	174,197,0				
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$	32,547,3				
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$	48,706,3				
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$	17,360,4				
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$	99,763,0				
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$	5,251,3				
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$	226,657,7				
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$	83,102,1				
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$	11,723,8				
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$	215,294,5				
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$	52,183,4				
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$	61,558,0				
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$	3,847,2				
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$	12,857,0				
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$	6,991,0				
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$	2,837,0				
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$	16,336,3				
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$	29,597,0				
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$	31,933,6				
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	Ś	12,695,0				
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$	31,584,0				
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$	62,822,9				
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$	11,536,5				
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$	5,724,0				
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$	55,674,0				
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$	81,420,5				
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$	13,529,3				
05/27/08	WD-2545 WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ \$	13,824,0				
12/11/07	WD-2364 WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ \$	6,547,0				
				\$18 to \$22 Million	\$ \$	23,269,0				
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million \$5.7 Million	\$ \$	23,269,0 8,419,0				
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations		\$ \$	17,899,9				
06/26/07 tal 58 Projec	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million		2,216,344,				

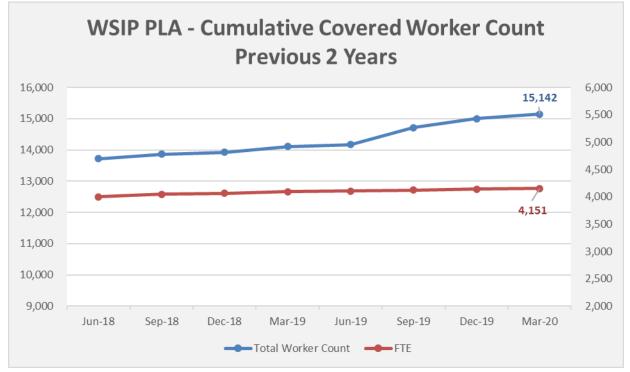
* indicates projects located in San Francisco

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending March 31, 2020; 15,004 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,610,498 craft hours and \$344,190,201 in craft wages.

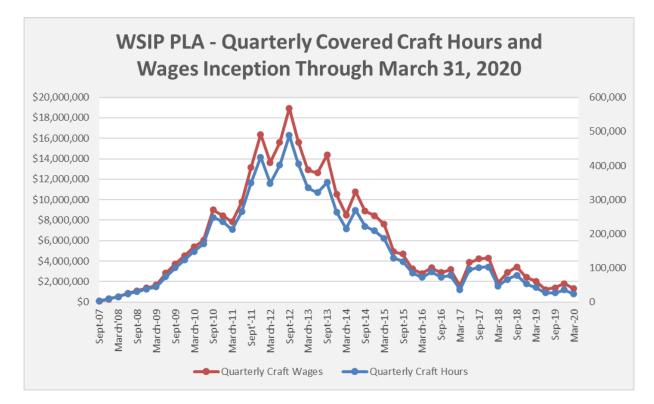
The tables below describe the progressive accumulation of these totals over the past two years.



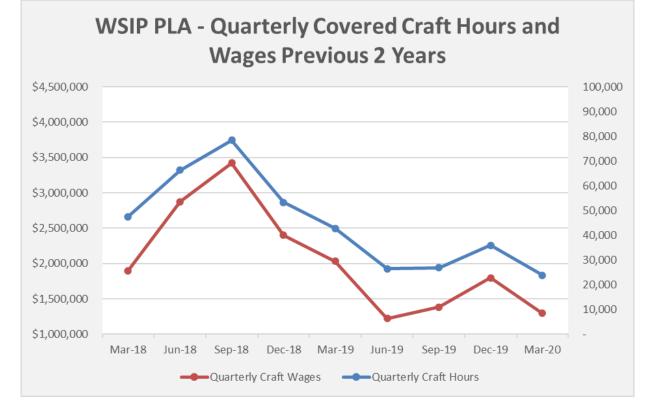


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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

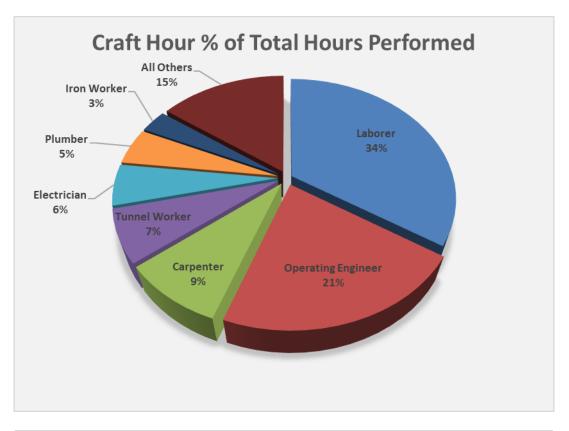
As of March 31, 2020, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 31 craft areas.

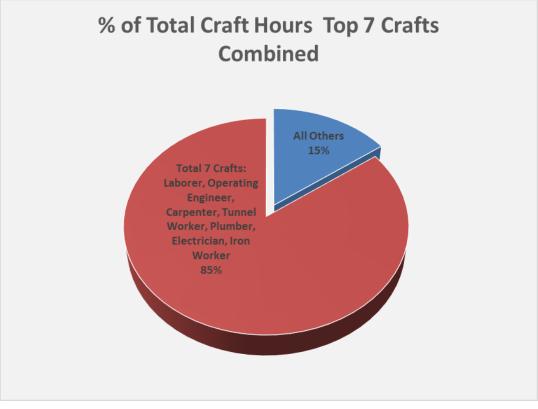
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

			ployment by								
Inception Through March 31, 2020 % Craft Hours % Wages of											
Craft	Total Hours	Г	otal Wages		-	FTE					
				of Total Hours	Total Wages						
Laborer	2,960,157	\$	92,091,942	34.3%	26.7%	1,423					
Operating Engineer	1,850,456	\$	77,951,578	21.4%	22.6%	890					
Carpenter	755,728	\$	32,223,810	8.8%	9.3%	363					
Tunnel Worker	612,964	\$	26,175,557	7.1%	7.6%	295					
Electrician	481,664	\$	25,653,757	5.6%	7.4%	232					
Plumber	430,931	\$	20,427,162	5.0%	5.9%	207					
Iron Worker	274,290	\$	9,515,742	3.2%	2.8%	132					
Top 7 Sub-Total	7,366,189	\$	284,039,547	85.3%	82.2%	3,541					
Pile Driver	181,764	\$	9,710,884	2.1%	2.8%	87					
Painter	147,975	\$	5,798,613	1.7%	1.7%	71					
Cement Mason	128,208	\$	4,511,057	1.5%	1.3%	62					
Boilermaker	120,156	\$	6,376,759	1.4%	1.8%	58					
Building/Construction Inspector	88,728	\$	4,999,687	1.0%	1.4%	43					
Roofer	49,013	\$	1,661,094	0.6%	0.5%	24					
Sheet Metal Worker	22,824	\$	1,137,157	0.3%	0.3%	11					
Field Surveyor	22,095	\$	1,262,291	0.3%	0.4%	11					
Drywall Installer/Lather	10,863	\$	461,330	0.1%	0.1%	5					
Plasterer	10,137	\$	370,979	0.1%	0.1%	5					
Bricklayer	8,875	\$	340,166	0.1%	0.1%	4					
Electrical Utility Lineman	6,909	\$	425,367	0.1%	0.1%	3					
Glazier	4,393	\$	217,923	0.1%	0.1%	2					
Metal Roofing Systems Installer	2,586	\$	92,217	0.0%	0.0%	1					
Asbestos Worker, Heat and Frost Insu	920	\$	55,784	0.0%	0.0%	0					
Brick Tender	895	\$	30,418	0.0%	0.0%	0					
Driver	532	\$	55,198	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	808,160	\$	37,556,084	9.4%	10.9%	389					
Total Non-Apprenticeable	459,919	\$	23,889,810	5.3%	6.9%	221					
Total WSIP-Covered by PLA	8,634,268	\$	345,485,441	100.0%	100.0%	4,151					

Sorted by Total Craft Hours

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of March 31, 2020. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 71% of craft hours worked on PLA-covered projects.

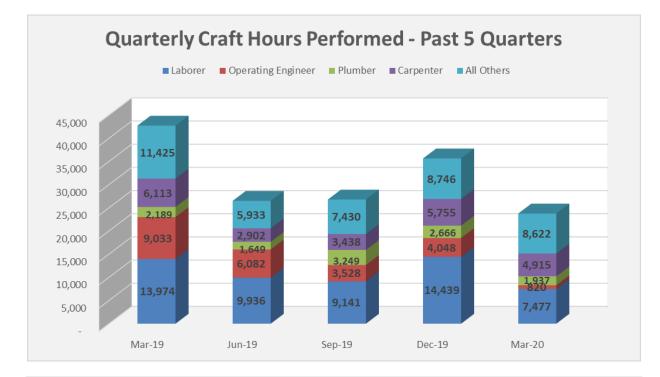




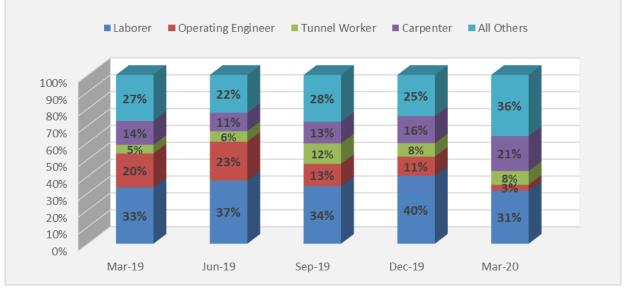
The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Brick Tender8Driver5Carpet Layer3Tile Setter3Tile Finisher2Terrazzo Worker1Sprinkler Fitter7	566 28 64 64 31 90 64 75 75 08 556 228 13 224 95 63 37 75 09 93 86 20 95 332	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	92,091,942 77,951,578 32,223,810 26,175,557 25,653,757 20,427,162 9,515,742 9,710,884 5,798,613 4,511,057 6,376,759 4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367 217,923	7,477 820 4,915 - 3,212 1,937 1,994 - 76 63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	315,749 48,468 287,442 - 235,897 140,376 88,350 - 3,876 1,971 - 1,831 973 120,331 1,235 -
Carpenter755,7Tunnel Worker612,9Electrician481,6Plumber430,9Iron Worker274,2Pile Driver181,7Painter147,9Cement Mason128,2Boilermaker120,1Building/Construction Inspector88,7Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender33Tile Setter3Tile Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher2Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	228 64 64 64 75 64 75 75 75 63 63 75 63 37 75 63 37 75 93 86 20 93 88 620	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,223,810 26,175,557 25,653,757 20,427,162 9,515,742 9,710,884 5,798,613 4,511,057 6,376,759 4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	4,915 - 3,212 1,937 1,994 - 76 63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	287,442 - 235,897 140,376 88,350 - 3,876 1,971 - 1,831 973 120,331
Tunnel Worker612.9Electrician481.6Plumber430.9Iron Worker274.2Pile Driver181.7Painter147.9Cement Mason128.2Boilermaker120.1Building/Construction Inspector88.7Roofer49.0Sheet Metal Worker22.8Field Surveyor22.0Drywall Installer/Lather10.1Bricklayer8.8Electrical Utility Lineman6.9Glazier4.3Metal Roofing Systems Installer2.5Asbestos Worker, Heat and Frost Insulator9Brick Tender3Driver5Carpet Layer3Tile Setter3Tile Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher2Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98.4Operating Engineer (Heavy And Highway Work) (Specia95.2	64 64 64 75 64 75 08 56 28 13 24 95 63 37 75 09 93 86 20 95 532	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,175,557 25,653,757 20,427,162 9,515,742 9,710,884 5,798,613 4,511,057 6,376,759 4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	- 3,212 1,937 1,994 - 76 63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	235,897 140,376 88,350 - 3,876 1,971 - 1,831 973 120,331
Electrician 481,6 Plumber 430,9 Iron Worker 274,2 Pile Driver 181,7 Painter 147,9 Cement Mason 128,2 Boilermaker 120,1 Building/Construction Inspector 88,7 Roofer 49,0 Sheet Metal Worker 22,8 Field Surveyor 22,0 Drywall Installer/Lather 10,8 Plasterer 10,1 Bricklayer 8,8 Electrical Utility Lineman 6,9 Glazier 4,3 Metal Roofing Systems Installer 2,5 Asbestos Worker, Heat and Frost Insulator 9 Brick Tender 33 Tile Finisher 22 Terrazzo Worker 1 Sprinkler Fitter 33 Marble Finisher 22 Terrazzo Finisher 1 Terrazzo Finisher 1 Terrazzo Finisher 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4	64 31 90 64 75 08 56 28 13 24 95 63 37 75 63 37 75 09 93 86 20 95 532	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	$\begin{array}{c} 25,653,757\\ 20,427,162\\ 9,515,742\\ 9,710,884\\ 5,798,613\\ 4,511,057\\ 6,376,759\\ 4,999,687\\ 1,661,094\\ 1,137,157\\ 1,262,291\\ 461,330\\ 370,979\\ 340,166\\ 425,367\end{array}$	1,937 1,994 - 76 63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	140,376 88,350 - 3,876 1,971 - 1,831 973 120,331
Plumber430,9Iron Worker274,2Pile Driver181,7Painter147,9Cement Mason128,2Boilermaker120,1Building/Construction Inspector88,7Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender8Driver5Carpet Layer3Tile Setter3Tile Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher2Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	31 90 64 75 08 56 28 113 224 95 633 775 09 933 86 20 955 332	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	$\begin{array}{c} 20,427,162\\ 9,515,742\\ 9,710,884\\ 5,798,613\\ 4,511,057\\ 6,376,759\\ 4,999,687\\ 1,661,094\\ 1,137,157\\ 1,262,291\\ 461,330\\ 370,979\\ 340,166\\ 425,367\end{array}$	1,937 1,994 - 76 63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	140,376 88,350 - 3,876 1,971 - 1,831 973 120,331
Iron Worker274,2Pile Driver181,7Painter147,9Cement Mason128,2Boilermaker120,1Building/Construction Inspector88,7Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender8Driver5Carpet Layer3Tile Setter3Tile Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher2Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	90 64 75 08 56 28 13 24 95 63 37 75 09 93 86 20 95 532	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,515,742 9,710,884 5,798,613 4,511,057 6,376,759 4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	1,994 - 76 63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	88,350 - 3,876 1,971 - 1,831 973 120,331
Pile Driver181,7Painter147,9Cement Mason128,2Boilermaker120,1Building/Construction Inspector88,7Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender3Driver5Carpet Layer3Tile Setter3Tile Setter1Sprinkler Fitter3Marble Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher1Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	64 75 08 56 28 13 24 95 63 37 75 09 93 86 20 95 532	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,710,884 5,798,613 4,511,057 6,376,759 4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	- 76 63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3,876 1,971 - 1,831 973 120,331
Painter147,9Cement Mason128,2Boilermaker120,1Building/Construction Inspector88,7Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender3Driver3Carpet Layer3Tile Setter3Tile Setter1Marble Finisher2Terrazzo Worker1Sprinkler Fitter1Marble Finisher2Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	75 08 56 28 13 24 95 63 37 75 63 37 75 93 86 20 93 32	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,798,613 4,511,057 6,376,759 4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	76 63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$	1,971 - 1,831 973 120,331
Cement Mason128,2Boilermaker120,1Building/Construction Inspector88,7Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender3Driver3Carpet Layer3Tile Setter3Tile Setter1Sprinkler Fitter1Marble Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher2Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	08 56 28 13 24 95 63 37 5 33 75 09 93 86 20 95 32	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,511,057 6,376,759 4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	63 - 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,971 - 1,831 973 120,331
Boilermaker120,1Building/Construction Inspector88,7Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender3Driver5Carpet Layer3Tile Setter3Tile Setter1Sprinkler Fitter1Marble Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher1Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	56 28 13 224 95 63 37 5 09 93 86 20 20 95 32	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,376,759 4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	- 42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$	1,831 973 120,331
Building/Construction Inspector88,7Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender3Driver5Carpet Layer3Tile Setter3Tile Setter1Sprinkler Fitter1Marble Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher1Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	28 13 24 95 63 37 75 09 93 86 20 95 32	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,999,687 1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	42 22 2,029 26 - 858 255	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	973 120,331
Roofer49,0Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender88Driver55Carpet Layer33Tile Setter33Tile Setter1Sprinkler Fitter1Marble Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher1Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	13 24 95 63 37 75 09 93 86 20 95 32	\$ \$ \$ \$ \$ \$ \$ \$ \$	1,661,094 1,137,157 1,262,291 461,330 370,979 340,166 425,367	22 2,029 26 - 858 255	\$ \$ \$ \$ \$	973 120,331
Sheet Metal Worker22,8Field Surveyor22,0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender8Driver5Carpet Layer3Tile Setter3Tile Setter1Sprinkler Fitter1Marble Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher2Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	24 95 63 37 75 09 93 86 20 95 32	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,137,157 1,262,291 461,330 370,979 340,166 425,367	2,029 26 - 858 255	\$ \$ \$	120,331
Field Surveyor22.0Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender88Driver55Carpet Layer33Tile Setter13Tile Setter1Sprinkler Fitter4Marble Finisher2Terrazzo Worker1Sprinkler Fitter3Marble Finisher1Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	95 63 37 75 09 93 86 20 95 32	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,262,291 461,330 370,979 340,166 425,367	26 - 858 255	\$ \$ \$	
Drywall Installer/Lather10,8Plasterer10,1Bricklayer8,8Electrical Utility Lineman6,9Glazier4,3Metal Roofing Systems Installer2,5Asbestos Worker, Heat and Frost Insulator9Brick Tender88Driver55Carpet Layer33Tile Setter33Tile Setter1Sprinkler Fitter1Marble Finisher2Terrazzo Worker1Terrazzo Finisher1Terrazzo Finisher136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	63 37 75 09 93 86 20 95 32	\$ \$ \$ \$ \$ \$ \$ \$ \$	461,330 370,979 340,166 425,367	- 858 255	\$ \$	1,235
Plasterer 10,1 Bricklayer 8,8 Electrical Utility Lineman 6,9 Glazier 4,3 Metal Roofing Systems Installer 2,5 Asbestos Worker, Heat and Frost Insulator 9 Brick Tender 8 Driver 55 Carpet Layer 33 Tile Setter 33 Tile Setter 1 Sprinkler Fitter 1 Marble Finisher 2 Terrazzo Worker 1 Sprinkler Fitter 8 Marble Finisher 1 Terrazzo Finisher 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	37 75 09 93 86 20 95 32	\$ \$ \$ \$ \$ \$ \$	370,979 340,166 425,367	858 255	\$	-
Bricklayer 8,8 Electrical Utility Lineman 6,9 Glazier 4,3 Metal Roofing Systems Installer 2,5 Asbestos Worker, Heat and Frost Insulator 9 Brick Tender 8 Driver 55 Carpet Layer 33 Tile Setter 33 Tile Setter 33 Tile Setter 13 Sprinkler Fitter 12 Marble Finisher 12 Terrazzo Worker 11 Sprinkler Fitter 8 Marble Finisher 12 Terrazzo Finisher 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	75 09 93 86 20 95 32	\$ \$ \$ \$	340,166 425,367	255		
Electrical Utility Lineman 6,9 Glazier 4,3 Metal Roofing Systems Installer 2,5 Asbestos Worker, Heat and Frost Insulator 9 Brick Tender 8 Driver 55 Carpet Layer 33 Tile Setter 33 Tile Setter 1 Sprinkler Fitter 1 Marble Finisher 2 Terrazzo Worker 1 Sprinkler Fitter 8 Marble Finisher 2 Terrazzo Finisher 1 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	09 93 86 20 95 32	\$ \$ \$	425,367		¢	34,617
Glazier 4,3 Metal Roofing Systems Installer 2,5 Asbestos Worker, Heat and Frost Insulator 9 Brick Tender 88 Driver 55 Carpet Layer 33 Tile Setter 33 Tile Finisher 22 Terrazzo Worker 1 Sprinkler Fitter 1 Marble Finisher 2 Terrazzo Finisher 1 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	93 86 20 95 32	\$ \$	-			11,027
Metal Roofing Systems Installer 2,5 Asbestos Worker, Heat and Frost Insulator 9 Brick Tender 8 Driver 55 Carpet Layer 33 Tile Setter 33 Tile Setter 1 Sprinkler Fitter 1 Marble Finisher 2 Terrazzo Worker 1 Sprinkler Fitter 8 Marble Finisher 2 Terrazzo Finisher 1 Terrazzo Finisher 1 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	86 20 95 32	\$	217.923	-	\$	-
Asbestos Worker, Heat and Frost Insulator 99 Brick Tender 88 Driver 55 Carpet Layer 33 Tile Setter 33 Tile Finisher 22 Terrazzo Worker 11 Sprinkler Fitter 11 Marble Finisher 12 Terrazzo Finisher 88,174,3 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	20 95 32			46	\$	3,095
Brick Tender 8 Driver 55 Carpet Layer 33 Tile Setter 33 Tile Setter 33 Tile Finisher 2 Terrazzo Worker 1 Sprinkler Fitter 1 Marble Finisher 2 Terrazzo Finisher 8,174,3 Teamster Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	95 32	\$	92,217	-	\$	-
Driver 55 Carpet Layer 55 Carpet Layer 33 Tile Setter 33 Tile Finisher 22 Terrazzo Worker 11 Sprinkler Fitter 11 Marble Finisher 12 Terrazzo Finisher 11 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	32		55,784	-	\$	-
Carpet Layer 33 Tile Setter 33 Tile Finisher 22 Terrazzo Worker 11 Sprinkler Fitter 11 Marble Finisher 11 Terrazzo Finisher 11 Terrazzo Finisher 11 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2		\$	30,418	-	\$	-
Tile Setter 33 Tile Finisher 22 Terrazzo Worker 11 Sprinkler Fitter 11 Marble Finisher 11 Terrazzo Finisher 11 Terrazzo Finisher 11 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	54	\$	55,198	-	\$	-
Tile Finisher 2 Terrazzo Worker 1 Sprinkler Fitter 1 Marble Finisher 1 Terrazzo Finisher 8,174,3 Teamster Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2		\$	16,311	-	\$	-
Terrazzo Worker 1 Sprinkler Fitter 1 Marble Finisher 1 Terrazzo Finisher 8,174,3 Teamster Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	51	\$	12,929	-	\$	-
Sprinkler Fitter Marble Finisher Terrazzo Finisher Teamster Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Specia 95,2		\$	5,836	-	\$	-
Marble Finisher Terrazzo Finisher Teamster Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Specia 95,2	99	\$	8,163	-	\$	-
Terrazzo Finisher 8,174,3 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	64	\$	4,417	-	\$	-
8,174,3 Teamster 136,0 Driver (On/Off-Hauling To/From Construction Site) 98,4 Operating Engineer (Heavy And Highway Work) (Specia 95,2	40	\$	1,342	-	\$	-
Teamster136,0Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	4	\$	160	-	\$	-
Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	19		321,595,631	23,770		1,295,240
Driver (On/Off-Hauling To/From Construction Site)98,4Operating Engineer (Heavy And Highway Work) (Specia95,2	25	¢	6 427 060	-	¢	
Operating Engineer (Heavy And Highway Work) (Specia 95,2		\$ \$	6,427,969 7,354,816	-	\$ \$	-
		\$	4,512,513	-	\$	-
		φ \$	3,676,393	-	φ \$	-
Asbestos Removal Worker (Laborer) 17,0		ֆ \$	435,487	-		-
Tunnel/Underground (Operating Engineer-Heavy And Hig 13,2		φ \$	590,532		\$ \$	
Water Well Driller 12,3		ֆ \$	608,914	-	ֆ \$	-
		\$	36,006	-	ֆ \$	_
			-	-		-
Telecommunications Technician 1,1 Landscape Maintenance Laborer 1,1		\$ \$	37,245 32,404	-	\$ \$	-
· · · · · · · · · · · · · · · · · · ·						-
Steel Erector And Fabricator (Operating Engineer - Hea 1,1		\$ ¢	56,467	-	\$ \$	-
	31	\$ ¢	31,991	-	э \$	-
		\$ ¢	33,307	-		-
		\$ ¢	24,810	-	\$ ¢	-
		\$ ¢	17,811	-	\$ ¢	
		\$ ¢	10,082	-	\$	-
		\$ ¢	2,772	-	\$	-
	11	\$ \$	291	-	\$ \$	-
Total Non-Apprenticeable 459,9 Total Apprenticable 8,174,3		-	23,889,810 321,595,631	- 23,770	\$ \$	- 1,295,240
Total WSIP PLA 8,634,2	19	\$	511,555,651	23,770	\$	1,295,240

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



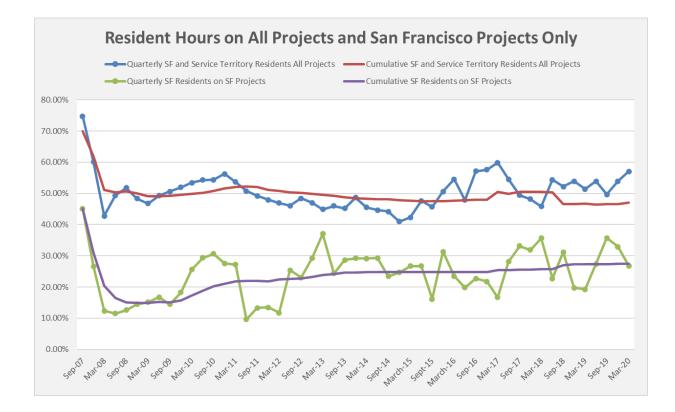




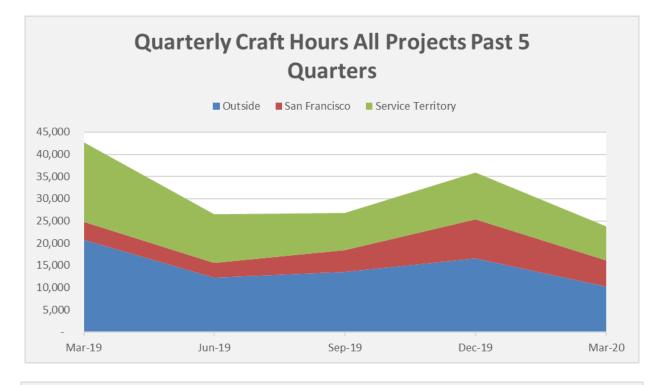
Worker Residence on the WSIP PLA

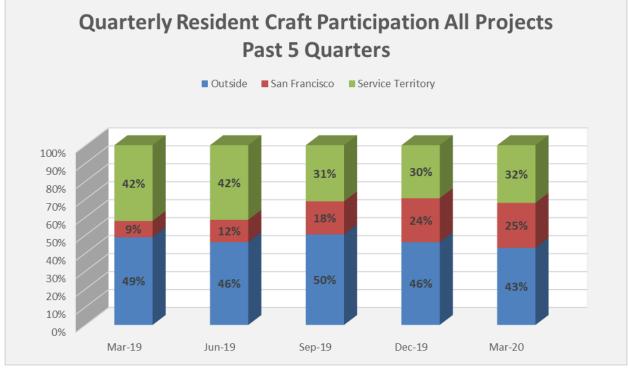
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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

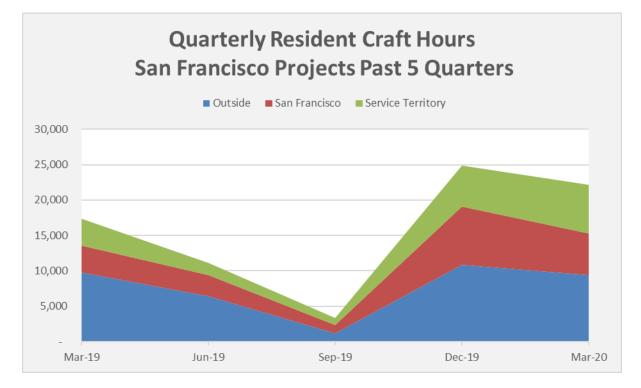


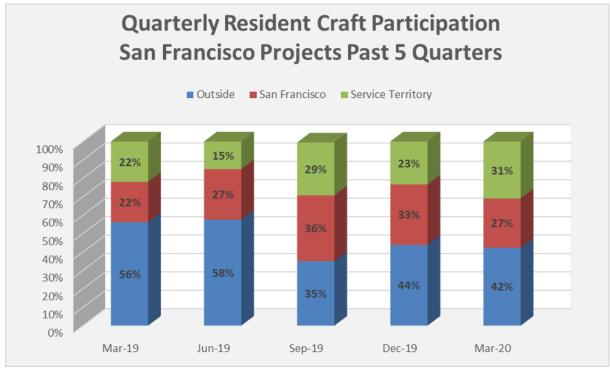
<u>Residence on ALL WSIP PLA Projects</u> - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



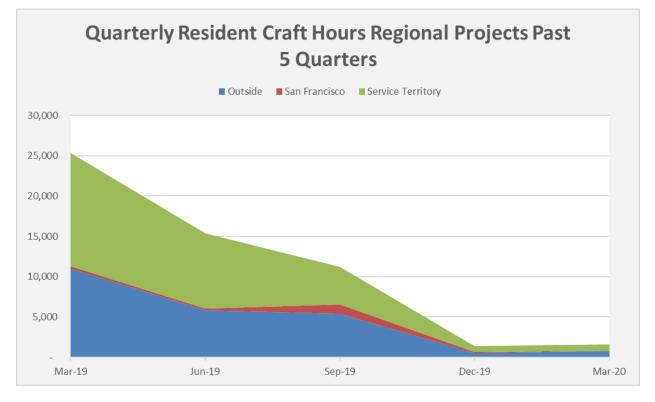


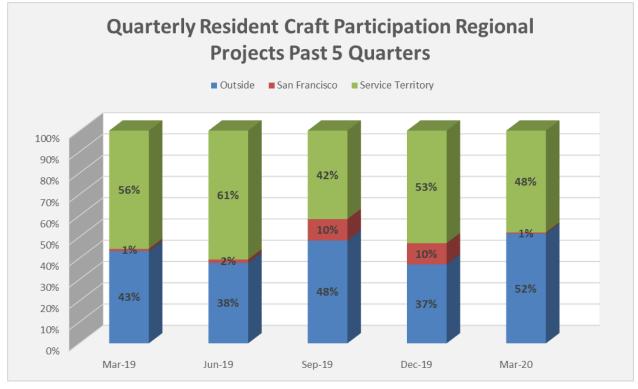
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





Sorted by Total Craft Hours									
WSIP-PLA Employment by Top 20 Counties of Residence Inception Through March 31,2020									
County	Total Craft Hours		Wages	% Craft Hours	Worker Count	FTE			
Alameda County	1,539,939	\$	57,765,474	17.8%	2,924	740			
Contra Costa County	1,223,997	\$	48,514,892	14.2%	2,031	588			
San Joaquin County	839,311	\$	31,835,081	9.7%	1,268	404			
San Mateo County	741,141	\$	30,249,990	8.6%	1,266	356			
San Francisco County	611,668	\$	23,487,934	7.1%	1,358	294			
Santa Clara County	450,403	\$	18,089,028	5.2%	1,287	217			
Solano County	430,809	\$	17,455,496	5.0%	881	207			
Stanislaus County	388,355	\$	14,430,622	4.5%	639	187			
Sacramento County	348,149	\$	14,289,751	4.0%	614	167			
Butte County	212,344	\$	8,404,260	2.5%	130	102			
Sonoma County	187,276	\$	7,646,631	2.2%	362	90			
Placer County	111,967	\$	5,067,217	1.3%	140	54			
Tuolumne County	102,588	\$	3,982,918	1.2%	103	49			
Calaveras County	101,552	\$	4,515,018	1.2%	79	49			
El Dorado County	88,624	\$	3,770,176	1.0%	87	43			
Los Angeles County	72,614	\$	3,265,783	0.8%	145	35			
Yolo County	71,668	\$	2,991,491	0.8%	94	34			
Shasta County	70,000	\$	3,256,292	0.8%	46	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	7,720,463	\$	304,982,950	89.4%	13,638	3,712			
All Other Counties	913,805	\$	40,502,491	10.6%	1,504	439			
WSIP-PLA Total	8,634,268	\$	345,485,441	100.0%	15,142	4,151			

Residence by County

San Francisco Residents by Zip Code

	· · ·		by San Francis	•					
	Incepti	on T	hrough March	31, 2020					
Total Workers									
San Francisco Zip Codes	Total Craft			% Total Craft	Worker				
	Hours		Wages	Hours	Count	FTE			
94112	117,522	\$	4,188,920	19.2%	224	5			
94124	103,777	\$	4,111,384	17.0%	280	5			
94116	84,686	\$	3,942,794	13.8%	87	4			
94110	82,064	\$	2,885,868	13.4%	185	3			
94134	40,746	\$	1,236,143	6.7%	120	2			
94122	32,583	\$	1,522,764	5.3%	75	1			
94103	23,903	\$	729,261	3.9%	38	1			
94121	19,716	\$	787,969	3.2%	50				
94118	14,929	\$	734,235	2.4%	21				
94127	14,320	\$	619,102	2.3%	23				
94132	10,896	\$	440,759	1.8%	35				
94117	10,718	\$	291,982	1.8%	18				
94107	9,586	\$	358,962	1.6%	31				
94102	8,852	\$	387,998	1.4%	23				
94131	6,823	\$	209,441	1.1%	25				
94133	5,409	\$	215,867	0.9%	10				
94109	4,988	\$	158,503	0.8%	22				
94114	4,460	\$	196,487	0.7%	16				
94108	3,424	\$	84,151	0.6%	7				
94115	3,215	\$	117,395	0.5%	27				
94130	3,179	\$	67,807	0.5%	12				
94142	1,740	\$	68,149	0.3%	7				
94111	915	\$	21,546	0.1%	3				
94123	685	\$	33,250	0.1%	3				
94104	523	\$	13,179	0.1%	2				
94129	447	\$	14,182	0.1%	1				
94105	442	\$	13,968	0.1%	4				
94188	366	\$	9,790	0.1%	3				
94140	288	\$	11,589	0.0%	1				
94119	255	\$	7,976	0.0%	1				
94147	162	\$	4,785	0.0%	1				
94158	24	\$	697	0.0%	3				
94125	21	\$	768	0.0%	1				
94164	6	\$	264	0.0%	1				
Fotal	611,668	\$	23,487,934	100.0%	1,358	29			
WSIP-PLA Total	8,634,268	\$	345,485,441	-	15,004	4,15			

Residence by Craft

	Cumu		nent of Residents	•			
		Inception Thro	ugh March 31, 2020)			
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
Operating Engineer	1,850,456	67,157	660,891	1,122,408	3.6%	35.7%	60.7%
Carpenter	755,728	88,249	307,897	359,582	11.7%	40.7%	47.6%
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%
Electrician	481,664	26,753	253,347	201,565	5.6%	52.6%	41.8%
Plumber	430,931	89,148	144,259	197,524	20.7%	33.5%	45.8%
Iron Worker	274,290	18,157	105,304	150,830	6.6%	38.4%	55.0%
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%
Painter	147,975	9,565	16,980	121,430	6.5%	11.5%	82.1%
Cement Mason	128,208	10,141	54,960	63,108	7.9%	42.9%	49.2%
Boilermaker	120,156	48	23,158	96,949	0.0%	19.3%	80.7%
Building/Construction Inspector	88,728	3,959	12,214	72,556	4.5%	13.8%	81.8%
Roofer	49,013	4,487	25,373	19,153	9.2%	51.8%	39.1%
Sheet Metal Worker	22,824	2,619	12,054	8,152	11.5%	52.8%	35.7%
Field Surveyor	22,095	1,382	4,038	16,676	6.3%	18.3%	75.5%
Drywall Installer/Lather	10,863	4,146	1,851	4,867	38.2%	17.0%	44.8%
Plasterer	10,137	5,890	1,148	3,099	58.1%	11.3%	30.6%
Bricklayer	8,875	82	4,257	4,536	0.9%	48.0%	51.1%
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%
Glazier	4,393	1,028	1,395	1,971	23.4%	31.7%	44.9%
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%
Asbestos Worker, Heat and Frost Insulator	920	-	229	691	0.0%	24.9%	75.1%
Brick Tender	895	287	19	589	32.1%	2.1%	65.8%
Driver	532	532	-	-	100.0%	0.0%	0.0%
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%
Tile Setter	354	-	344	7	0.0%	98.0%	2.0%
Tile Finisher	277	-	237	40	0.0%	98.0 <i>%</i> 85.6%	14.4%
Terrazzo Worker	199		-	199	0.0%	0.0%	14.4%
	64	-	- 32	32	0.0%	50.0%	50.0%
Sprinkler Fitter		-					
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
Total Apprenticeable	5,214,192	351,473	1,895,275	2,967,444	6.7%	36.3%	56.9%
Laborer	2,960,157	232,856	1,275,766	1,451,535	7.9%	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	98,483	16,989	65,701	15,793	17.3%	66.7%	16.0%
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,057	951	2,161	13,945	5.6%	12.7%	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	459,919	27,339	237,518	195,062	5.9%	51.6%	42.4%
Total WSIP PLA	8,634,268	611,668	3,408,559	4,614,041	7.1%	39.5%	53.4%

Residence by Project

Emplo	-	-	e Employment		by Project		
Project	Craft Emp	San San Francisco Hours	nary Through Ma Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam Replacemer	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improver	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 Relia	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andre	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatme	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% 26.4%	41.3%	52.1%
WD-2539 - University Mound Reservoir WD-2729 - Fish Passage Facilities - Al	187,016 164,770	49,450 1,159	51,060 70,568	86,507 93,044	20.4%	27.3% 42.8%	46.3%
WD-2729 - FISIT Fassage Facilities - Al WD-2668 - Regional Groundwater Stora				93,044 52,727			
WD-2668 - Regional Groundwater Stora WD-2627R - Sutro Reservoir Rehabilitat	160,977 154,545	26,584 49,147	81,666 39,763	52,727 65,635	16.5% 31.8%	50.7% 25.7%	32.8% 42.5%
HH-935C - San Joaquin Pipeline - Easte	154,545	49,147	39,763 80,508	63,397	0.1%	25.7% 55.9%	42.57
DB-116 - Tesla Treatment Facility	143,988	83 3,122	80,508 93,841	63,397 44,948	0.1%	55.9% 66.1%	44.0%
WD-2629 - Seismic Upgrade of Bay Div	134,349	3,122 1,815	93,841 52,403	44,948 80,131	2.2%	39.0%	59.6%
		-					
WD-2552 - Alameda Siphon No. 4 Proje	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2%
WD-2555 - Crystal Springs Pipeline No	127,763	31,147	36,395	60,221	24.4%	28.5%	47.19
WD-2498 - New Crystal Springs Bypas	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 - West	100,492	111 5 462	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%
ND-2776 - SF Westside Recycled Wat	95,066	26,091 223	24,526	44,449	27.4%	25.8%	46.8%
HH-935A - San Joaquin Pipeline - Cross	84,483		45,318	38,942	0.3%	53.6%	
WD-2513 - San Andreas Pipeline No.3	83,503 75,263	6,978 8,780	28,219 31,767	48,306 34,716	8.4% 11.7%	33.8% 42.2%	57.8% 46.1%
ND-2575 - San Antonio Backup Pipelin ND-2504 - Stanford Heights Reservoir S	75,203		20,361		19.5%		53.19
WD-2504 - Staniold Heights Reservoir C WD-2501 - Alemany Pump Station	74,294	14,461 8,629	20,301	39,472 36,382	19.5%	27.4% 39.2%	49.1%
WD-2501 - Alemany Fump Station WD-2727 - Peninsula Pipeline Seismic	69,772	13,891	29,073	30,382	19.9%	39.2%	49.17
WD-2727 - Pennisula Pipeline Seisific 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	20.2 %	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 F	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%	45.19
WD-2798 - SF Westside Recycled Wat	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2654R - Peninsula Vegetation Rem		4,839	9,727	15,897	15.9%	31.9%	52.2%
ND-2809 - SF Groundwater Supply Pha	29,298	5,826	3,004	20,468	19.9%	10.3%	69.99
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
ND-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.79
ND-2623 - Harding Park Recycled Wat	22,727	4,776	12,625	5,327	21.0%	55.6%	23.49
ND-2651R - Peninsula 2011 Watershe	22,569	557	10,940	11,072	2.5%	48.5%	49.19
ND-2529 - Noe Valley Transmission M	22,511	6,853	7,279	8,379	30.4%	32.3%	37.29
ND-2665 - Bay Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.89
ND-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8
ND-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4
ND-2566 - San Antonio Pump Station I	14,916	101	11,948	2,868	0.7%	80.1%	19.29
VD-2829R - San Andreas Pipeline No.	14,462	1,907	4,393	8,163	13.2%	30.4%	56.49
H-914R - Roselle Crossover Improvem	12,859	-	8,861	3,999	0.0%	68.9%	31.19
H-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.39
VD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9
VD-2640 - Bioregional Habitat Restorat	10,621	667	4,028	5,926	6.3%	37.9%	55.8
VD-2797 - SF Westside Recycled Wat	10,414	4,654	3,856	1,904	44.7%	37.0%	18.3
VD-2822R2 - Lower Crystal Springs Da	7,567	196	3,217	4,154	2.6%	42.5%	54.9
ND-2600 - Regional Groundwater Stora	6,088	-	296	5,792	0.0%	4.9%	95.19
ND-2855 - Turner Dam Spillway and Po	2,088	-	1,623	465	0.0%	77.7%	22.3
ND-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.29
Total WSIP PLA	8,634,268	611,668	3,408,559	4,614,041	7.1%	39.5%	53.4

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, 13.2% 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 Apprentice Hours Apprentice Utilization Resident Apprentice % % of Craft % of Craft % of Craft Service San Total Apprentice Apprentice Apprentice San Apprentice Francisco Territory Craft Total Hours Apprentic SFPUC ST Outside Hours Hours Hours Francisco % of Total Apprentic Apprentic Hours Performed by Performed by Hours Hours Performed by Hours Craft Hours % of Total % of Total ervice Territory Outside San Francisco Craft Hours Craft Hours Residents Residents Residents A - Operating Enginee 1.850.456 46.6% 209.038 25.334 86,299 97,406 11.3% 1.4% 4.7% 12.1% 41.3% 26.1% A - Carpenter 755,728 121,228 31,682 56,843 32,703 16.0% 7.5% 46.9% 27.0% 4.2% A - Tunnel Worker 612,964 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% A - Electrician 91,974 11,226 63,309 17,440 19.1% 2.3% 13.1% 12.2% 68.8% 19.0% 481,664 A - Plumber 430.931 117.930 34.225 56.783 26.922 27.4% 7.9% 13.2% 29.0% 0.0% 0.0% A - Iron Worker 274,290 60,965 10,968 26,865 23,132 22.2% 4.0% 9.8 18.0% 44.1% 37.9% A - Pile Driver 181,764 18,563 4,451 9,825 4,287 10.2% 2.4% 24.0% 52.9% 23.1% 5.4% A - Painter 147,975 25,154 1,747 6,247 17,160 17.0% 1.2% 4.2% 6.9% 24.8% 68.2% A - Cement Mason 128.208 6.448 4,173 1.124 1.151 5.0% 3.3% 0.9% 64.7% 17.4% 17.9% A - Boilermaker 120.156 2.354 40 1.238 1.076 2.0% 0.0% 1.0% 1.7% 52.6% 45.7% 0.3% 24.8% A - Building/Construction Inspector 88,728 5,048 17 1,254 3,777 5.7% 0.0% 1.49 74.8% 0.0% A - Roofer 12,214 1,960 24.9% 10.8% 0.0% 0.0% 49,013 5,308 4,946 4.0% A - Sheet Metal Worker 22,824 3.474 293 2 145 1,037 15.2% 1.3% 9.4% 8.4% 61.7% 29.8% A - Field Surveyor 71 1.5% 9.7% 22,095 734 11 652 3.3% 0.0% 0.3% 88.8% A - Drywall Installer/Lather 10.863 481 68 283 130 4.4% 0.6% 2.6% 14.1% 58.8% 27.0% A - Plastere 10,137 347 136 211 3.4% 1.3% 0.09 39.2% 0.0% 60.8% A - Bricklaver 8.875 2.780 82 671 2.027 31.3% 7.6% 2.9% 24.1% 72.9% 0.9% A - Electrical Utility Lineman 6,909 79 1.1% 0.0% 1.1% 0.0% 100.0% 0.0% 79 A - Glazier 4.393 564 402 20 142 12.8% 9.2% 0.5% 71.3% 3.5% 25.2% 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 Ins 920 26 26 2.8% 0.0% 0.0 0.0% 0.0% 100.0% 24 A - Brick Tender 24 0.0% 0.0% 895 2.7% 2.7% 0.0% 0.0% A - Driver 532 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% A - Carpet Layer 0.0% 14.8% 354 27 23 7.6% 0.0% 6.5% 85.2% A - Tile Setter 351 20 20 5.7% 0.0% 5.7% 0.0% 0.0% 0.0% A - Tile Finishe 277 40 40 14.4% 0.0% 0.09 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 Finishe 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 5,214,192 126,837 319,162 234,268 13.0% 6.1% 46.9% 34.4% Sub-Total Apprenticeable 680,267 2.4% 18.6% 23.9% 46,359 259,975 13.6% 1.6% 8.8% 11.5% 64.6% A - Laborer 2,960,157 402,499 96,165 Total Apprenticeable 8,174,349 1,082,766 173,196 579,138 330,433 13.2% 2.1% 7.1% 16.0% 53.5% 30.5% Total Non-Apprenticeable 459,919 Total WSIP - Covered by PLA 8 634 268

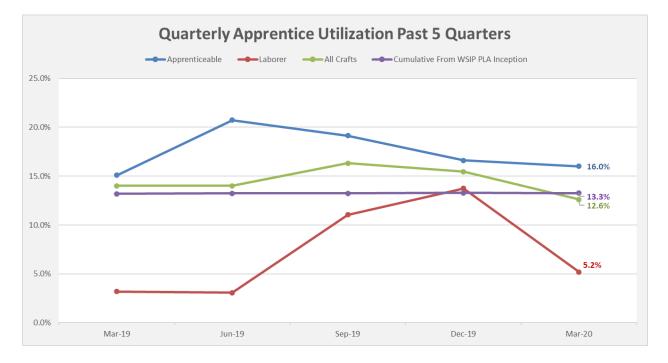
For the three months ending March 31, 2020, 36% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



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

				Incention	Through March 3	1. 2020					
				inception		Utilization By P	roject				
			All Workers Hou	rs	••	Арр	rentice Hours		Appre	ntice Utilizatio	on %
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
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-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%
DB-116 - Tesla Treatment Facil	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2729 - Fish Passage Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-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%
WD-2798 - SF Westside Recyc	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
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-2552 - Alameda Siphon No WD-2575 - San Antonio Backu	129,485 75,263	75,401 45,723	8,009	46,075 28,389	121,476 74,112	11,667 6,488	9,053 5,972	20,720 12,460	0.0%	19.6% 21.0%	17.1%
WD-2498 - New Crystal Spring	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2640 - Bioregional Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	45.5%	16.5%
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-2629 - Seismic Upgrade of	134,349	73,390	1,133	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	16.3%
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-2668 - Regional Groundwa	160,977	100,935	1,079	58,963	159,898	18,467	7,375	25,842	18.3%	12.5%	16.2%
WD-2776 - SF Westside Recyc	95,066	69,727	81	25,258	94,985	13,292	1,723	15,014	19.1%	6.8%	15.8%
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%
HH-914R - Roselle Crossover Ir	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
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-2600 - Regional Groundwa	6,088		4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2627R - Sutro Reservoir Re	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%
WD-2556 - Baden and San Peo	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2797 - SF Westside Recyc	10,414	4,515	-	5,900	10,414	541	874	1,415	12.0%	14.8%	13.6%
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-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-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-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%
WD-2822R2 - Lower Crystal Sp	7,567	1,820	128	5,620	7,440	227	699	925	12.4%	12.4%	12.4%
WD-2566 - San Antonio Pump	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%
HH-935C - San Joaquin Pipelin	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	12.1%
WD-2621R - SF Groundwater S	52,623	31,711	-	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%
WD-2809 - SF Groundwater Su	29,298	14,189	-	15,109	29,298	2,631	625	3,256	18.5%	4.1%	11.1%
WD-2555 - Crystal Springs Pip	127,763	49,074	9,202	68,958	118,032	7,559	5,394	12,953 2,907	0.0%	7.8%	11.0%
WD-2469 - Forest Knolls Pump WD-2548 - Lake Merced Pump	26,553 101,050	17,167	31	9,337 26,504	26,504 99,378	2,888	19	10,807	16.8% 14.6%	0.2%	11.0%
HH-935A - San Joaquin Pipelin	84,483	72,875 53,744	1,672	29,900	83,644	10,670 5,357	137 3,652	9,009	14.0%	12.2%	10.9%
HH-935B - San Joaquin Pipelin HH-935B - San Joaquin Pipelin	100,492	52,940	11,678	35,627	88,566	4,061	5,243	9,009	7.7%	14.7%	10.8%
WD-2601 - Crystal Springs / Sa	489,160	334,614	23,054	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2541 - Bay Division Pipelin	208,058	88,905	12,743	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%	10.3%
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-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-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-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-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-2666 - BHR - Sheep Camp	23,492	16,708	-	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2589 - SCADA System Ph	1,498	728	-	771	1,498	115		115	15.8%	0.0%	7.7%
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-2531 - Bay Division Pipelin	583,318	412,690	91,092	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
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-2654R - Peninsula Vegetat	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
WD-2529 - Noe Valley Transmi	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2564 - HTWTP - Short Terr	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2829R - San Andreas Pipe	14,462	6,670	684	7,109	-	50	1,171	-	0.7%	16.5%	0.0%
WD-2855 - Turner Dam Spillwa	2,088	1,649		439	2,088				0.0%	0.0%	0.0%

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



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.

15,049 pre-employment tests have been administered as of March 31, 2020 to people who were cleared to work. 201 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.

	Number
Project	Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-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
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	246
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	226 217
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212 199
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	
HH-935A - San Joaquin Pipeline System - Crossovers WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	186 184
WD-2573 - Pulgas Balancing Reservoir Structural Renabilitation and Roor Replacement WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2503 - BDFL Nos. 344 Clossover Facilities 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 Proiect	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bav Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2829R - San Andreas Pipeline No. 2 Replacement	35
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 Grasslar	23
WD-2600 - Regional Groundwater Storage and Recovery Proiect- Test Well Drilling	22
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	10
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3

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. Inc. on Jun. 26, 2007 in the amount of \$17,899,960.

Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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



Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended June 30, 2020 (Fourth Quarter FY 2019-2020)



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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-eight (58) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.216 billion in original contract award through June 30, 2020.

<u>Construction Activity Highlights – Program-to-Date</u>

Contracting:

• Fifty-eight (58) construction contracts with a value of \$2.216 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 15,251 construction workers were employed for 8,662,910 hours and earned wages of \$ \$347,044,699 on WSIP PLA-covered projects.
- 1,374 San Francisco residents worked 616,744 hours and earned \$ \$23,779,072 on WSIP PLA-covered projects representing 7% of covered hours and 297 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. 6,248 residents of the Regional Service Territory earned wages of \$ \$132,540,354 and worked 3,417,605 hours, representing 39% of covered hours and 1,643 full-time equivalent worker years.
- 15,086 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of June 30, 2020. 202 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Region of Worker Residence	Ind	ception Through .	June 30, 2020	
Region of worker Residence	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	15,251	8,662,910	\$ 347,044,699	4,165
San Francisco	1,374	616,744	\$ 23,779,072	297
SFPUC Service Territory	6,248	3,417,605	\$ 132,540,354	1,643
Outside	7,641	4,628,562	\$ 190,725,274	2,225

<u>Construction Activity Highlights – Quarter Ending June 30, 2020</u>

Contracting:

• There were no contracts awarded during the reporting period.

Employment:

- 262 construction workers were employed for 28,570 hours and earned wages of \$1,555,673 on WSIP PLA-covered projects.
- 44 San Francisco residents worked 5,076 hours and earned wages of \$291,137 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, 88 residents of the Regional Service Territory worked 9,046 hours and earned wages of \$461,408 on WSIP PLA-covered projects.
- 37 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.

	Th	ree Months Ending	June 30	, 2020	
Region of Worker Residence	Worker Count	Sum of Hours	Sum (Of Wages	FTE*
All Workers	262	28,570	\$	1,555,673	14
San Francisco	44	5,076	\$	291,137	2
SFPUC Service Territory	88	9,046	\$	461,408	4
Outside	130	14,448	\$	803,127	7

Summary of Craft Worker Employment

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

Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

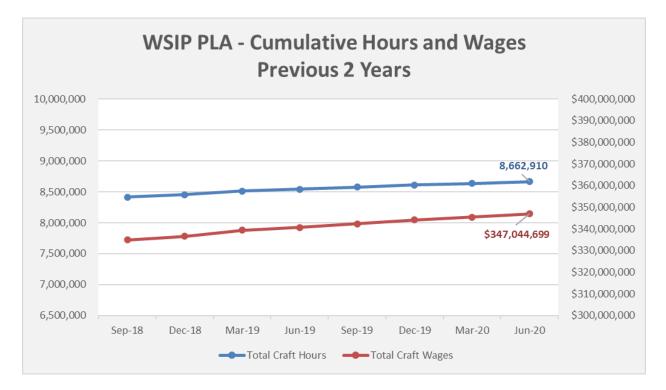
Construction Contracts Awarded Subject to the WSIP-PLA

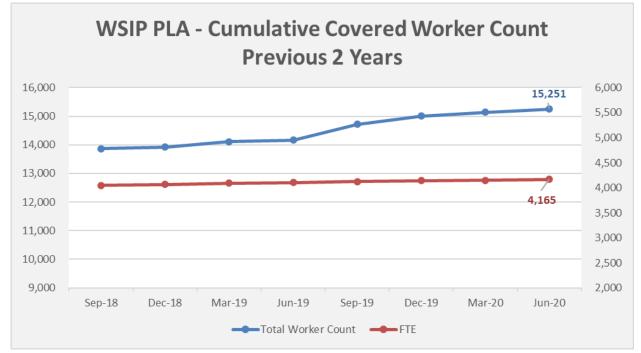
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate		Award \$
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station and R	-	\$	15,633,20
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$	1,498,01
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Channel	•	\$	4,784,70
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$	32,087,20
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facility at		\$	87,597,00
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$	9,780,00
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$	21,729,72
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	•	\$	28,939,30
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million		11,062,54
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ \$	14,955,10
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$	42,980,04
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$	8,676,6
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$	20,736,3
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$	31,372,3
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$	27,453,00
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$	3,912,50
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$	31,320,0
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Point.	· ·	\$	5,591,7
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$	2,760,0
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well Drilli			2,998,6
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ \$	5,251,1
	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ \$	12,947,4
11/08/11				•		
09/13/11	WD-2641R	Yerba Buena Engineering		\$6.4 Million	\$	6,499,0
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$	3,188,0
06/14/11	HH-935C	Contri Construction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ \$	45,329,4
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$	259,571,8
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$	174,197,0
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$	32,547,3
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$	48,706,3
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$	17,360,40
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$	99,763,00
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	\$6.5 Million	\$	5,251,10
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$	226,657,70
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$	83,102,1
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$	11,723,8
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$	215,294,5
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$	52,183,40
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$	61,558,0
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$	3,847,2
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ \$	12,857,0
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$	6,991,0
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$	2,837,0
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$	16,336,3
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$	29,597,0
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$	31,933,6
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$	12,695,0
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$	31,584,0
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$	62,822,9
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$	11,536,5
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$	5,724,0
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$	55,674,0
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$	81,420,5
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$	13,529,3
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$	13,824,0
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$	6,547,0
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$	23,269,0
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$	8,419,0
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$	17,899,9
otal 58 Projec					\$	2,216,344,4

Summary Charts

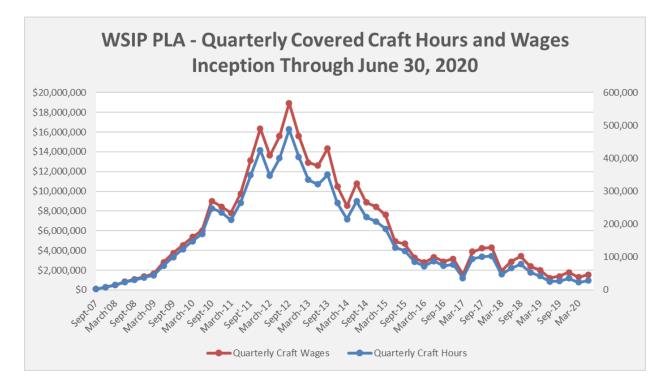
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending June 30, 2020; 15,251 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,662,910 craft hours and \$347,044,699 in craft wages.

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

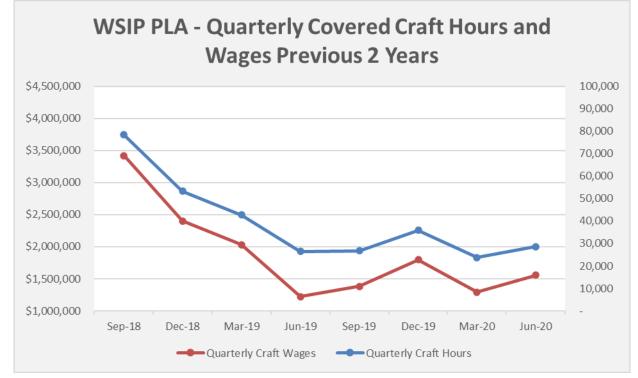




The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



Craft Utilization on WSIP PLA-Covered Projects

As of June 30, 2020, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 31 craft areas.

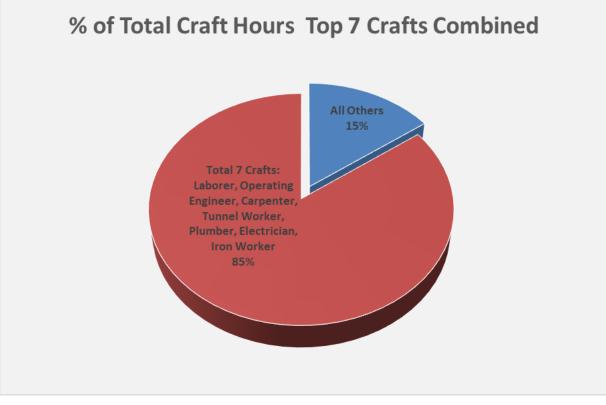
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

		ployment by C			
Craft	Total Hours	ugh June 30, 2 Total Wages		% Wages of Total Wages	FTE
Laborer	2,968,573	\$ 92,410,963	34.3%	26.6%	1,427
Operating Engineer	1,853,147	\$ 78,099,116	21.4%	22.5%	891
Carpenter	758,814	\$ 32,395,046	8.8%	9.3%	365
Tunnel Worker	612,964	\$ 26,175,557	7.1%	7.5%	295
Electrician	484,047	\$ 25,827,466	5.6%	7.4%	233
Plumber	436,006	\$ 20,770,596	5.0%	6.0%	210
Iron Worker	274,723	\$ 9,536,098	3.2%	2.7%	132
Top 7 Sub-Total	7,388,274	\$ 285,214,842	85.3%	82.2%	3,552
Pile Driver	181,764	\$ 9,710,884	2.1%	2.8%	87
Painter	150,105	\$ 5,896,832	1.7%	1.7%	72
Cement Mason	128,208	\$ 4,511,057	1.5%	1.3%	62
Boilermaker	121,284	\$ 6,461,230	1.4%	1.9%	58
Building/Construction Inspector	88,754	\$ 5,000,694	1.0%	1.4%	43
Roofer	49,013	\$ 1,661,094	0.6%	0.5%	24
Sheet Metal Worker	24,646	\$ 1,237,202	0.3%	0.4%	12
Field Surveyor	22,095	\$ 1,262,291	0.3%	0.4%	11
Drywall Installer/Lather	10,963	\$ 466,988	0.1%	0.1%	5
Plasterer	10,831	\$ 399,095	0.1%	0.1%	5
Bricklayer	8,875	\$ 340,166	0.1%	0.1%	4
Electrical Utility Lineman	6,909	\$ 425,367	0.1%	0.1%	3
Glazier	4,393	\$ 217,923	0.1%	0.1%	2
Metal Roofing Systems Installer	2,586	\$ 92,217	0.0%	0.0%	1
Asbestos Worker, Heat and Frost Insula	920	\$ 55,784	0.0%	0.0%	0
Brick Tender	895	\$ 30,418	0.0%	0.0%	0
Driver	532	\$ 55,198	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	814,058	\$ 37,873,600	9.4%	10.9%	391
Total Non-Apprenticeable	460,578	\$ 23,956,258	5.3%	6.9%	221
Total WSIP-Covered by PLA	8,662,910	\$ 347,044,699	100.0%	100.0%	4,165

Sorted by Total Craft Hours

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of June 30, 2020. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 71% of craft hours worked on PLA-covered projects.



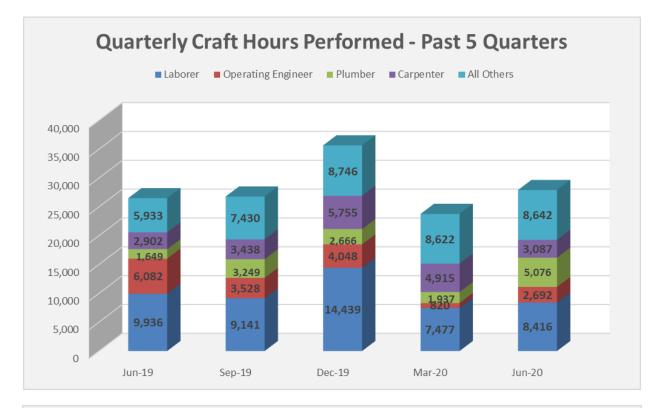


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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

	Total	To	tal Cumulative	Quarter Ending		uarter Ending
Craft	Cumulative		Wages	6-30-2020		6-30-2020
	Hours		Wages	Hours		Wages
Laborer	2,968,573	\$	92,410,963	8,416	\$	319,021
Operating Engineer	1,853,147	\$	78,099,116	2,692	\$	147,538
Carpenter	758,814	\$	32,395,046	3,087	\$	171,236
Tunnel Worker	612,964	\$	26,175,557	-	\$	-
Electrician	484,047	\$	25,827,466	2,383	\$	173,709
Plumber	436,006	\$	20,770,596	5,076	\$	343,435
Iron Worker	274,723	\$	9,536,098	433	\$	20,356
Pile Driver	181,764	\$	9,710,884	-	\$	-
Painter	150,105	\$	5,896,832	2,058	\$	94,632
Cement Mason	128,208	\$	4,511,057	-	\$	-
Boilermaker	121,284	\$	6,461,230	1,128	\$	84,472
Building/Construction Inspector	88,754	\$	5,000,694	26	\$	1,008
Roofer	49,013	\$	1,661,094	-	\$	-
Sheet Metal Worker	24,646	\$	1,237,202	1,822	\$	100,045
Field Surveyor	22,095	\$	1,262,291		φ \$	
Drywall Installer/Lather	10,963	ф \$	466,988	- 100	ф \$	- 5,657
Plasterer	10,983	э \$	399,095	694	ъ \$	28,117
	,		•			20,117
Bricklayer	8,875	\$	340,166	-	\$	-
Electrical Utility Lineman	6,909	\$	425,367	-	\$	-
Glazier	4,393	\$	217,923	-	\$	-
Metal Roofing Systems Installer	2,586	\$	92,217	-	\$	-
Asbestos Worker, Heat and Frost Insulator	920	\$	55,784	-	\$	-
Brick Tender	895	\$	30,418	-	\$	-
Driver	532	\$	55,198	-	\$	-
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	-	\$	-
	8,202,333		323,088,442	27,912		1,489,224
Teamster	136,065	\$	6,427,969	-	\$	-
Driver (On/Off-Hauling To/From Construction Site)	99,110	\$	7,420,158	627	\$	65,342
Operating Engineer (Heavy And Highway Work) (Special	95,289	\$	4,512,513	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Hig	79,393	\$	3,676,393	-	\$	-
Asbestos Removal Worker (Laborer)	17,089	\$	436,593	32	\$	1,106
Tunnel/Underground (Operating Engineer-Heavy And Hig	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 - Heav	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	\$	2,772	-	φ \$	-
Total Non-Apprenticeable	460,578	φ \$	23,956,258	659	\$	66,448
Total Apprenticable	8,202,333	\$ \$	323,088,442	27,912	\$ \$	
						1,489,224
Total WSIP PLA	8,662,910	\$	347,044,699	28,570	\$	1,555,673

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

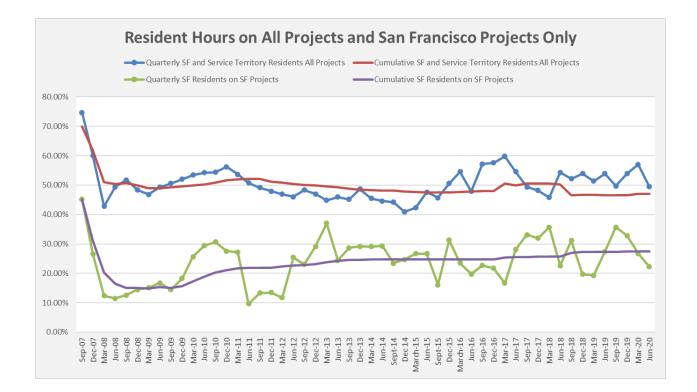


Quarterly Craft Percentage of Total Hours - Past 5 Quarters ■ Operating Engineer ■ Tunnel Worker Carpenter All Others Laborer 100% 22% 25% 90% 28% 31% 36% 80% 11% 70% 13% 6% 11% 60% 8% 12% 21% 23% 18% 50% 13% 8% 40% 3% 30% 40% 37% 34% 20% 31% 30% 10% 0% Jun-19 Sep-19 Dec-19 Mar-20 Jun-20

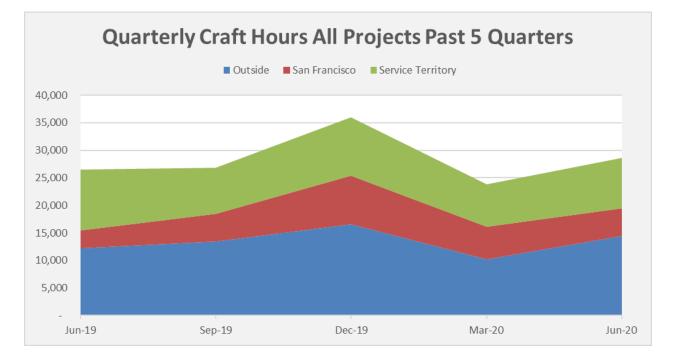
Worker Residence on the WSIP PLA

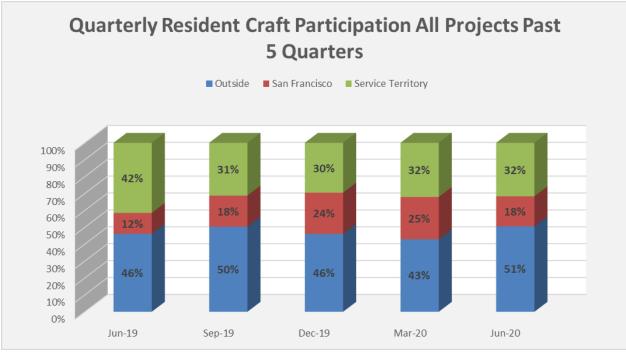
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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, 2020.

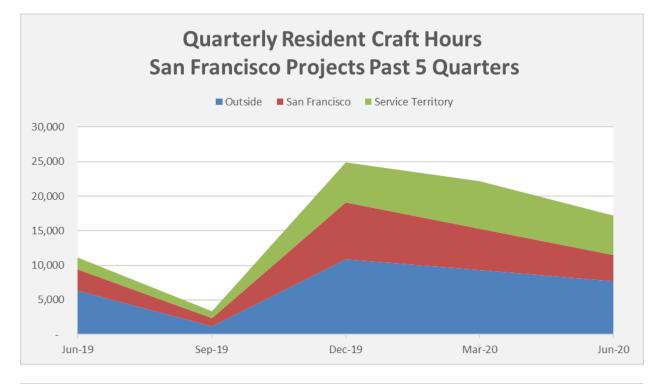


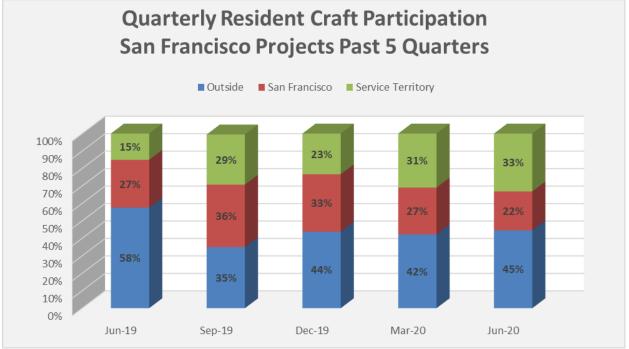
<u>Residence on ALL WSIP PLA Projects</u> - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



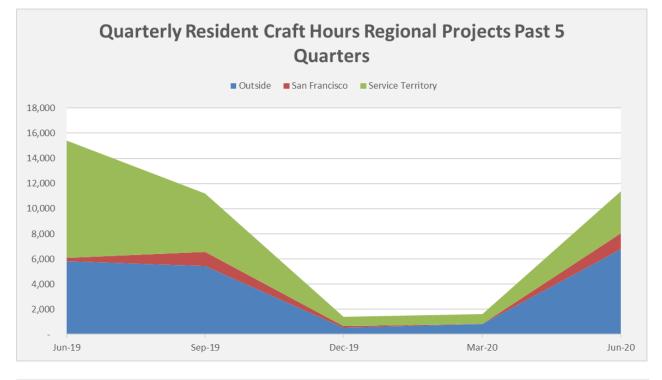


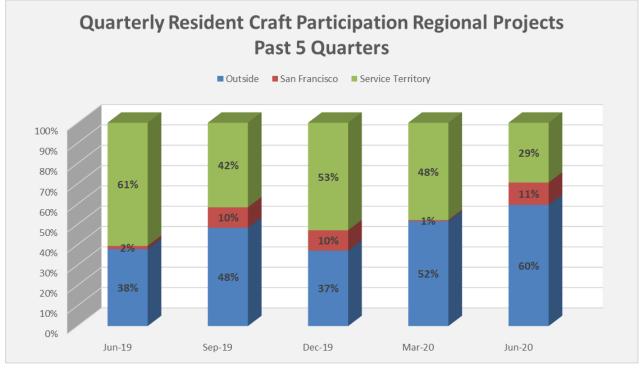
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





Residence by County

	Incep	tion T	Through June 30,2	2020	1	
County	Total Craft Hours		Wages	% Craft Hours	Worker Count	FTE
Alameda County	1,545,105	\$	58,001,675	17.8%	2,947	743
Contra Costa County	1,227,401	\$	48,694,232	14.2%	2,042	590
San Joaquin County	840,051	\$	31,868,571	9.7%	1,277	404
San Mateo County	745,479	\$	30,475,669	8.6%	1,282	358
San Francisco County	616,744	\$	23,779,072	7.1%	1,374	297
Santa Clara County	452,174	\$	18,174,003	5.2%	1,299	217
Solano County	432,046	\$	17,539,918	5.0%	886	208
Stanislaus County	388,943	\$	14,458,239	4.5%	646	187
Sacramento County	350,141	\$	14,410,014	4.0%	622	168
Butte County	212,547	\$	8,420,100	2.5%	131	102
Sonoma County	189,114	\$	7,772,644	2.2%	369	91
Placer County	111,967	\$	5,067,217	1.3%	140	54
Tuolumne County	102,588	\$	3,982,918	1.2%	103	49
Calaveras County	101,552	\$	4,515,018	1.2%	79	49
El Dorado County	88,624	\$	3,770,176	1.0%	87	43
Los Angeles County	72,614	\$	3,265,783	0.8%	145	35
Yolo County	71,668	\$	2,991,491	0.8%	94	34
Shasta County	70,531	\$	3,285,399	0.8%	46	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	7,747,345	\$	306,437,033	89.4%	13,753	3,725
All Other Counties	915,565	\$	40,607,666	10.6%	1,498	440
WSIP-PLA Total	8,662,910	\$	347,044,699	100.0%	15,251	4,165

San Francisco Residents by Zip Code

			by San Franciso	· · · ·		
	Incept	ion	Through June 3	· · ·		
			10	otal Workers		
San Francisco Zip Codes	Total Craft		Wages	% Total Craft	Worker	FTE
	Hours		114860	Hours	Count	
94112	118,275	\$	4,224,991	19.2%	226	57
94124	104,630	\$	4,174,181	17.0%	282	50
94116	84,932	\$	3,953,086	13.8%	87	41
94110	82,387	\$	2,902,576	13.4%	186	40
94134	40,774	\$	1,237,486	6.6%	122	20
94122	33,362	\$	1,583,674	5.4%	75	16
94103	23,910	\$	729,469	3.9%	39	11
94121	19,843	\$	795,076	3.2%	51	10
94118	14,929	\$	734,235	2.4%	21	7
94127	14,607	\$	639,903	2.4%	23	7
94132	10,921	\$	442,048	1.8%	36	5
94117	10,718	\$	291,982	1.7%	18	5
94107	9,843	\$	370,353	1.6%	31	5
94102	8,852	\$	387,998	1.4%	23	4
94131	7,266	\$	227,584	1.2%	26	3
94133	5,951	\$	235,785	1.0%	10	3
94109	4,993	\$	158,756	0.8%	23	2
94114	4,460	\$	196,487	0.7%	16	2
94108	3,515	\$	91,249	0.6%	8	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	C
94123	764	\$	36,436	0.1%	3	C
94104	677	\$	22,206	0.1%	3	(
94129	447	\$	14,182	0.1%	1	(
94105	442	\$	13,968	0.1%	4	(
94188	366	\$	9,790	0.1%	3	(
94140	288	\$	11,589	0.0%	1	C
94119	255	\$	7,976	0.0%	1	C
94147	162	\$	4,785	0.0%	1	C
94158	53	\$	2,524	0.0%	4	(
94125	21	\$	768	0.0%	1	C
94164	6	\$	264	0.0%	1	C
Total	616,744	\$	23,779,072	100.0%	1,374	297
WSIP-PLA Total	8,662,910	\$	347,044,699	_	15,251	4,165

Residence by Craft

Sorted by Total Hours

	Cum		nent of Residents ough June 30, 202	•			
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
Operating Engineer	1,853,147	67,507	661,986	1,123,654	3.6%	35.7%	60.6%
Carpenter	758,814	89,128	309,396	360,291	11.7%	40.8%	47.5%
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%
Electrician	484,047	27,202	253,565	203,280	5.6%	52.4%	42.0%
Plumber	436,006	90,123	145,805	200,078	20.7%	33.4%	45.9%
Iron Worker	274,723	18,164	105,436	151,122	6.6%	38.4%	55.0%
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%
Painter	150,105	9,644	17,281	123,181	6.4%	11.5%	82.1%
Cement Mason	128,208	10,141	54,960	63,108	7.9%		49.2%
Boilermaker	121,284	48	23,420	97,815	0.0%	19.3%	80.7%
Building/Construction Inspector	88,754	3,959	12,214	72,581	4.5%	13.8%	81.8%
Roofer	49,013	4,487	25,373	19,153	9.2%		39.1%
Sheet Metal Worker	24,646	2,731	12,762	9,154	11.1%		37.1%
Field Surveyor	22,095	1.382	4.038	16,676	6.3%		75.5%
Drywall Installer/Lather	10,963	4,150	1,931	4,883	37.9%		44.5%
Plasterer	10,831	6,442	1,148	3,241	59.5%		29.9%
Bricklayer	8,875	82	4,257	4,536	0.9%		51.1%
Electrical Utility Lineman	6,909	-	186	6,723	0.0%		97.3%
Glazier	4,393	1,028	1,395	1,971	23.4%		44.9%
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%		11.4%
Asbestos Worker, Heat and Frost Insulator	920	-	2,232	691	0.0%		75.1%
Brick Tender	895	287	19	589	32.1%		65.8%
Driver	532	532	13	505	100.0%		0.0%
Carpet Layer	354	111	89	154	31.4%		43.5%
Tile Setter	354	-	344	7	0.0%		43.5%
Tile Finisher	277	-	237	40	0.0%		14.4%
Terrazzo Worker	199	-	237	199	0.0%		100.0%
Sprinkler Fitter	64	-	32	32	0.0%		50.0%
Marble Finisher	40	-	40	32	0.0%		
	40	-	40	-			0.0%
Terrazzo Finisher		-		-	0.0%	1	0.0%
Total Apprenticeable	5,233,759	354,881	1,901,115	2,977,763	6.8%		56.9%
Laborer	2,968,573	233,905	1,278,969	1,455,699	7.9%	43.1%	49.0%
Non-Apprenticeable							
Teamster	136,065	9,147	80,249	46,669	6.7%		34.3%
Driver (On/Off-Hauling To/From Construction	99,110	17,609	65,703	15,798	17.8%		15.9%
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%		59.2%
Tunnel/Underground (Operating Engineer-Heat	79,393	70	34,872	44,451	0.1%		56.0%
Asbestos Removal Worker (Laborer)	17,089	951	2,161	13,977	5.6%		81.8%
Tunnel/Underground (Operating Engineer-Heat	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 Engi	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 (P	247	-	165	82	0.0%		33.2%
Ironworker (Db)	80	-	24	56	0.0%		70.0%
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%		100.0%
Total Non-Apprenticeable	460,578	27,958	237,520	195,099	6.1%		42.4%
					0.1/0	0	

Residence by Project

	Utall Ell		Employment Summary - Cumulative Employment of Residents by Project Craft Employment Summary Through June 30, 2020								
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours				
ND-2551 - Calaveras Dam Replacemer	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.39				
ND-2596 - HTWTP Long-Term Improve	r 1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.89				
ND-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.79				
ND-2531 - Bay Division Pipelines Relia	583,318	15,154	257,574	310,590	2.6%	44.2%	53.29				
ND-2601 - Crystal Springs / San Andre		25,325	193,302	270,533	5.2%	39.5%	55.39				
ND-2582 - Sunol Valley Water Treatme			174,479		2.0%	37.7%	60.39				
VD-2542 - Bay Division Pipeline No. 5 -	288,044		129,660		2.0%	45.0%	53.09				
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	28.7				
VD-2541 - Bay Division Pipeline No. 5 -	208,058		85,977	108,472	6.5%	41.3%	52.19				
VD-2539 - University Mound Reservoir	187,016		51,060		26.4%	27.3%	46.3				
VD-2729 - Fish Passage Facilities - Ala			70,568		0.7%	42.8%	56.5				
VD-2668 - Regional Groundwater Stora			82,142	52,735	16.5%	50.9%	32.7				
VD-2627R - Sutro Reservoir Rehabilita			39,763		31.8%	25.7%	42.5				
H-935C - San Joaquin Pipeline - Easte			80,508		0.1%	55.9%	44.0				
0B-116 - Tesla Treatment Facility	141,910		93,841	44,948	2.2%	66.1%	31.7				
VD-2629 - Seismic Upgrade of Bay Div			52,403		1.4%	39.0%	59.6				
VD-2552 - Alameda Siphon No. 4 Proje	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2				
VD-2555 - Crystal Springs Pipeline No	. 127,763	31,147	36,395	60,221	24.4%	28.5%	47.1				
VD-2498 - New Crystal Springs Bypass	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3				
VD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5				
VD-2776 - SF Westside Recycled Wat	108,558	28,685	28,441	51,433	26.4%	26.2%	47.4				
VD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2				
H-935B - San Joaquin Pipeline - West	100,492	111	41,614	58,767	0.1%	41.4%	58.5				
VD-2591 - Lower Crystal Springs Dam	l 98,562	5,463	52,743	40,356	5.5%	53.5%	40.9				
H-935A - San Joaquin Pipeline - Cross	84,483	0	45,318	38,942	0.0%	53.6%	46.1				
VD-2513 - San Andreas Pipeline No.3 I	ı 83,503	6,978	28,219	48,306	8.4%	33.8%	57.8				
VD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1				
VD-2504 - Stanford Heights Reservoir		14,461	20,361	39,472	19.5%	27.4%	53.1				
VD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1				
VD-2727 - Peninsula Pipeline Seismic l	. 69,772	13,891	23,679	32,203	19.9%	33.9%	46.2				
VD-2543 - North University Mound Sys	t 53,265	13,940	14,613	24,713	26.2%	27.4%	46.4				
VD-2621R - SF Groundwater Supply W	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1				
VD-2573 - Pulgas Balancing Reservoir	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2				
VD-2568 - BDPL Nos. 3&4 Crossover F			13,222	30,486	8.8%	27.6%	63.6				
VD-2641R - Habitat Reserve Program	44,018		10,167	25,081	19.9%	23.1%	57.0				
VD-2564 - HTWTP - Short Term Improv	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1				
VD-2798 - SF Westside Recycled Wat	e 38,039	11,846	12,495	13,699	31.1%	32.8%	36.0				
VD-2654R - Peninsula Vegetation Rem		4,839	9,727	15,897	15.9%	31.9%	52.2				
VD-2809 - SF Groundwater Supply Pha		5,880	3,031	21,086	19.6%	10.1%	70.3				
VD-2469 - Forest Knolls Pump Station	26,553		5,766		23.2%	21.7%	55.1				
VD-2829R - San Andreas Pipeline No.	25,209		7,254	14,809	12.5%	28.8%	58.7				
VD-2666 - BHR - Sheep Camp Creek	23,492		6,377	17,069	0.2%	27.1%	72.7				
VD-2623 - Harding Park Recycled Wat		4,776	12,625	5,327	21.0%	55.6%	23.4				
VD-2651R - Peninsula 2011 Watershee			10,940		2.5%	48.5%	49.1				
VD-2529 - Noe Valley Transmission Ma		6,853	7,279	8,379	30.4%	32.3%	37.2				
VD-2665 - Bav Division Pipeline No. 5,	21,967		5,528	16,213	1.0%	25.2%	73.8				
VD-2556 - Baden and San Pedro Valve	19,939		15,270	1,949	13.6%	76.6%	9.8				
VD-2622 - SF Groundwater Supply Pipe		,	2,138	12,157	19.6%	12.0%	68.4				
VD-2566 - San Antonio Pump Station L			11,948	2,868	0.7%	80.1%	19.2				
VD-2797 - SF Westside Recycled Wat			5,616		43.4%	41.8%	14.8				
IH-914R - Roselle Crossover Improvem			8,861	3,999	1.7%	68.9%	31.1				
IH-953 - Tesla Portal Protection	11,512		6,185	,	29.0%	53.7%	17.3				
VD-2511 - Standby Power Facilities	11,275		6,500	4,494	2.5%	57.6%	39.9				
VD-2640 - Bioregional Habitat Restorat		667	4,028		6.3%	37.9%	55.8				
VD-2822R2 - Lower Crystal Springs Da			3,225	4,337	2.5%	41.6%	55.9				
VD-2600 - Regional Groundwater Stora			296		0.0%	4.9%	95.1				
VD-2855 - Turner Dam Spillway and Po			1,623		0.0%	77.7%	22.3				
VD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2				
	.,.00			. 57	2	/0					

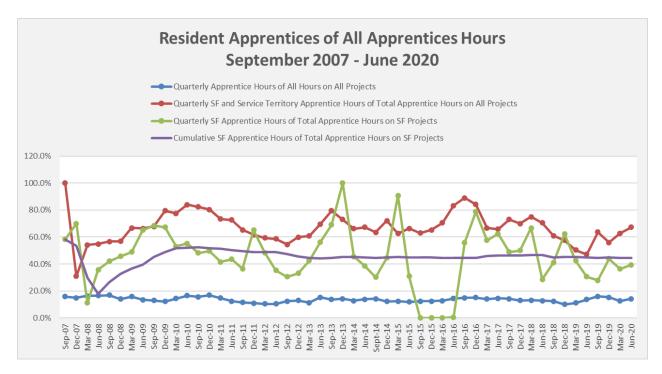
Apprentice Utilization

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.

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Арр	prentice Utilizat	ion	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	1,853,147	209,049	25,334	86,299	97,417	11.3%	1.4%	4.7%	12.1%	41.3%	46.6%	
A - Carpenter	758,814	121,629	31,954	56,973	32,703	16.0%	4.2%	7.5%	26.3%	46.8%	26.9%	
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
A - Electrician	484,047	92,387	11,461	63,423	17,504	19.1%	2.4%	13.1%	12.4%	68.6%	18.9%	
A - Plumber	436,006	119,149	34,913	-	27,202	27.3%	8.0%	0.0%	29.3%	0.0%	0.0%	
A - Iron Worker	274,723	61,038	10,976	26,930	23,132	22.2%	4.0%	9.8%	18.0%	44.1%	37.9%	
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	150,105	25,542	1,747	6,351	17,444	17.0%	1.2%	4.2%	6.8%	24.9%	68.3%	
A - Cement Mason	128,208	6,448	4,173	1,124	1,151	5.0%	3.3%	0.9%	64.7%	17.4%	17.9%	
A - Boilermaker	121,284	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%	
A - Building/Construction Inspector	88,754	5,064	17	1,254	3,793	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%	
A - Roofer	49,013	12,214	1,960	5,308	4,946	24.9%	4.0%	10.8%	0.0%	0.0%	0.0%	
A - Sheet Metal Worker	24,646	3,916	307	2,573	1,037	15.9%	1.2%	10.4%	7.8%	65.7%	26.5%	
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	10,963	481	68	283	130	4.4%	0.6%	2.6%	14.1%	58.8%	27.0%	
A - Plasterer	10,831	347	136	57,033	211	3.2%	1.3%	526.6%	39.2%	16436.1%	60.8%	
A - Bricklayer	8,875	2,780	82	671	2,027	31.3%	0.9%	7.6%	2.9%	24.1%	72.9%	
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%	
A - Glazier	4,393	564	402	20	142	12.8%	9.2%	0.5%	71.3%	3.5%	25.2%	
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 Insula	920	26	-	-	26	2.8%	0.0%	0.0%	0.0%	0.0%	100.0%	
A - Brick Tender	895	24	24	-	-	2.7%	2.7%	0.0%	0.0%	0.0%	0.0%	
A - Driver	532	-	-	-	-	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	5,233,759	683,231	128,054	320,254	234,923	13.1%	2.4%	6.1%	18.7%	46.9%	34.4%	
A - Laborer	2,968,573	403,586	46,359	260,392	96,836	13.6%	1.6%	8.8%	11.5%	64.5%	24.0%	
Total Apprenticeable	8,202,333	1,086,818	174,413	580,646	331,759	13.3%	2.1%	7.1%	16.0%	53.4%	30.5%	
Total Non-Apprenticeable	460,578											
Total WSIP - Covered by PLA	8,662,910	1										

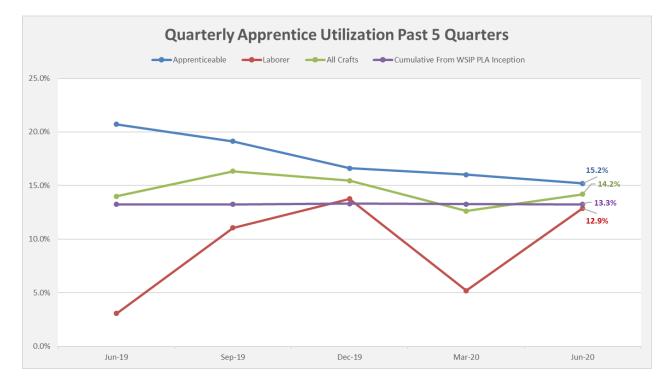
For the three months ending June 30, 2020, 39% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



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

				Incentio	n Through June 30	2020							
	Inception Through June 30, 2020 Apprentice Utilization By Project												
	Apprentice Orination by Project All Workers Hours Apprentice Hours Apprentice Utilization %												
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %		
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%		
HH-953 - Tesla Portal Protection	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%		
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%		
DB-116 - Tesla Treatment Facili	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%		
WD-2729 - Fish Passage Facilit	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%		
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%		
WD-2798 - SF Westside Recyc	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%		
WD-2727 - Peninsula Pipeline S	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%		
WD-2552 - Alameda Siphon No.	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	15.5%	19.6%			
WD-2575 - San Antonio Backup	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%			
WD-2498 - New Crystal Springs	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%			
WD-2640 - Bioregional Habitat I	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%			
WD-2539 - University Mound Re	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%		
WD-2629 - Seismic Upgrade of	134,349	73,390	1,614	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%			
WD-2651R - Peninsula 2011 W	22,569	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%			
WD-2668 - Regional Groundwat	161,469	101,339	1,079	59,051	160,390	18,467	7,375	25,842	18.2%	10.3%			
WD-2668 - Regional Groundwar WD-2776 - SF Westside Recyc	101,469	81,738	1,079	26,731	108,469	15,642	1,745	25,842	18.2%	6.5%			
,							673		20.2%				
WD-2573 - Pulgas Balancing Re	50,367	35,362	310	14,695	50,056	7,144		7,817		4.6%			
WD-2797 - SF Westside Recyc	13,437	6,032	-	7,405	13,437	812	1,269	2,081	13.5%	17.1%			
HH-914R - Roselle Crossover Ir	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%			
WD-2582 - Sunol Valley Water	462,423	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%			
WD-2596 - HTWTP Long-Term	1,013,848	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%			
WD-2600 - Regional Groundwat	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%			
WD-2627R - Sutro Reservoir Re	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	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%			
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%		
WD-2513 - San Andreas Pipelin	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%		
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-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%		
WD-2822R2 - Lower Crystal Sp	7,758	1,869	128	5,762	7,631	235	699	933	12.5%	12.1%	12.2%		
WD-2566 - San Antonio Pump S	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%		
HH-935C - San Joaquin Pipeline	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	12.1%		
WD-2621R - SF Groundwater S	52,623	31,711	-	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%		
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-2809 - SF Groundwater Su	29,997	14,677	-	15,320	29,997	2,666	625	3,291	18.2%	4.1%	11.0%		
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-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%		
HH-935A - San Joaquin Pipeline	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%			
HH-935B - San Joaquin Pipeline	100,492	52,940	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%			
WD-2601 - Crystal Springs / Sa	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%			
WD-2541 - Bay Division Pipeline	208,058	88,905	12,802	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%			
WD-2501 - Alemany Pump Stati	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%			
WD-2542 - Bay Division Pipeline	288,044	90,020	31,498	166,526	256,546	7,403	19,161	26,210	7.8%	11.5%	10.37		
WD-2542 - Bay Division Pipeline WD-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%			
WD-2829R - San Andreas Pipel	25,209	11,768	1,335	12,106	23,873	350	1,842	2,191	3.0%	15.2%			
WD-2591 - Lower Crystal Spring	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%			
WD-2665 - Bay Division Pipeline	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%			
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%			
WD-2666 - BHR - Sheep Camp	23,492	16,708	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%			
WD-2589 - SCADA System Pha	1,498	728	-	771	1,498	115	•	115	15.8%	0.0%			
WD-2623 - Harding Park Recyc	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%			
WD-2531 - Bay Division Pipeline	583,318	412,690	91,164	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%			
WD-2543 - North University Mor	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%			
WD-2654R - Peninsula Vegetati	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%			
WD-2511 - Standby Power Faci	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%		
WD-2529 - Noe Valley Transmis	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%		
WD-2564 - HTWTP - Short Terr	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%		
WD-2855 - Turner Dam Spillway	2,088	1,649	-	439	2,088	-	-	-	0.0%	0.0%	0.0%		
WSIP - Covered by PLA (57 Proje	8,662,910	5,233,759	460,578	2,968,573	8,202,333	683,231	403,586	1,086,818	13.1%	13.6%	13.3%		

The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending June 30, 2020.



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.

15,086 pre-employment tests have been administered as of June 30, 2020 to people who were cleared to work. 202 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.

Project Clean WD-2596 - Harry Tracy Water Treatment Project 2,4 WD-2561 - Calaveras Dam Replacement Project 2,1 WD-2561 - Crystal Springs / San Andreas Transmission System Upgrade 1,2 WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir 7 WD-2581 - New Irvington Tunnel 6 WD-2584 - Lake Merced Pump Station Essential Upgrade - Bay Tunnel 5 WD-2584 - Lake Merced Pump Station Essential Upgrades 5 WD-2581 - New Joixion Pipeline No. 5 - East Bay Reaches 5 WD-2581 - San Joaquin Pipeline No. 5 - East Bay Reaches 5 WD-2583 - Joaquin Pipeline System - Eastern Segment & Other Facilities 3 WD-2583 - University Mound Reservoir North Basin Seismic Upgrades 3 WD-2584 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 WD-2584 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 WD-2686 - Regional Groundwater Storage and Recovery 2 VD-2686 - Aegional Groundwater Storage and Recovery 2 VD-2682 - San Joaquin Pipeline System - Western Segment 3 MD-2689 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault 3 MD-2629 - Seismic Upgrade o	mber ared 2,401 2,122 2,228 704 651 531 509 375 374 335 319 305 277 265 229 226 226 226 226 226 226 226 226 226
ND-2551 - Calaveras Dam Replacement Project 2,1 ND-2611 - Crystal Springs / San Andreas Transmission System Upgrade 1,2 ND-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir 7 ND-2581 - New Irvington Tunnel 6 ND-2581 - Lake Merced Pump Station Essential Upgrades 5 ND-2543 - Lake Merced Pump Station 5 Path 6 - Tesl Treatment Facility 3 Ph-195 - Tesl Treatment Facility 3 Ph-195 - Tesl Treatment Facility 3 Ph-2543 - Lake Merced Pupleine No. 5 - East Bay Reaches 5 MD-2543 - Bay Division Pipeline No. 5 - Feast Bay Reaches 5 MD-2543 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 MD-2543 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 MD-2542 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant 2 MD-2552 - Alameda Siphon No. 4 Project 2 MD-2629 - Seismic Upgrade of Bay Division Pipeline No. 5 - Sat 4 at the Hayward Fault 2 MD-2629 - Seismic Upgrade of Bay Division Pipeline No. 3 - Western Segment 2 MD-2629 - Seismic Upgrade of Bay Division Pipeline No. 3 - Sat 4 at the Hayward Fault 2 MD-2629 - Seismic Vada of Sas Division Pipeline No. 3 - Sat 4 at the Hayward Fault	2,122 ,282 704 651 531 509 375 374 335 375 374 305 277 265 229 229 229 226 226
ND-2601 - Crystal Springs / San Andreas Transmission System Upgrade 1,2 ND-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir 7 ND-2583 - New Invington Tunnel 6 ND-2584 - Lake Merced Pump Station Essential Upgrades 5 ND-2544 - Lake Merced Pump Station Essential Upgrades 5 ND-2541 - Bay Division Pipeline No. 5 - East Bay Reaches 5 ND-2541 - Bay Division Pipeline No. 5 - East Bay Reaches 5 ND-2541 - Bay Jong Dipeline System - Eastern Segment & Other Facilities 3 H1+935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities 3 ND-2542 - Bay Division Pipeline System - Treatment Facility at Oceanside Plant 2 ND-2543 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant 2 ND-2552 - Alameda Siphon No. 4 Project 2 ND-2658 - Regional Groundwater Storage and Recovery 2 SP-366 - Advanced Meter Infrastructure 2 ND-2627 - Sutro Reservoir Rebabilitation and Seismic Upgrade 2 ND-26278 - Sutro Reservoir Rebabilitation and Seismic Upgrade 2 ND-26278 - Sutro Reservoir Rebabilitation and Seismic Upgrade 2 ND-26278 - Sutro Reservoir Rebabilitation and Seismic Upgrade 2 ND-26278 - S	,282 704 651 581 509 375 374 335 319 305 277 265 229 229 229 229 226 226
ND-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir 7 ND-2581 - New Irvington Tunnel 66 ND-2543 - Lake Merced Pump Station Essential Upgrade - Bay Tunnel 5 ND-2544 - Bay Division Pipelines No. 5 - East Bay Reaches 5 ND-2541 - Bay Division Pipeline No. 5 - East Bay Reaches 5 ND-2501 - Alemany Pump Station 3 DP-501 - Alemany Pump Station 3 DP-2502 - San Joaquin Pipeline No. 5 - Peninsula Reaches 3 ND-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 ND-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 ND-2568 - Regional Groundwater Storage and Recovery 2 Se-386 - Advanced Meter Infrastructure 2 ND-2525 - Alameda Siphon No. 4 Project 2 HI-335B - San Joaquin Pipeline System - Western Segment 2 ND-2529 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault 2 ND-2547 - Sutro Reservoir Rehabilitation and Seismic Upgrade 2 ND-2548 - San Joaquin Pipeline System - Crossovers 1 ND-2548 - San Joaquin Pipeline System - Crossovers 1 ND-2547 - Sutro Reservoir Structural Rehabilitation and Roof Replacement 1 ND-2547 - San Antorio B	704 651 581 509 375 374 335 374 335 319 305 277 265 229 229 226 226 226
ND-2581 - New Irvington Tunnel 6 ND-2548 - Lake Merced Pump Station Essential Upgrades 5 ND-2548 - Lake Merced Pump Station Essential Upgrades 5 ND-2548 - Lake Merced Pump Station Essential Upgrades 5 ND-2549 - Lake Merced Pump Station 5 D2510 - Alemany Pump Station 5 D25116 - Tesla Treatment Facility 5 H-33C0 - San Joaquin Pipeline No. 5 - East Bay Reaches 5 ND-2539 - University Mound Reservoir North Basin Seismic Upgrades 5 ND-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 5 ND-2765 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant 2 ND-2668 - Regional Groundwater Storage and Recovery 2 S-383 - Advanced Meter Infrastructure 2 ND-2652 - Alameda Siphon No. 4 Project 2 HP-335B - San Joaquin Pipeline System - Western Segment 2 ND-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault 2 ND-2629 - Seismic Upgrade of Say Division Pipeline Nos. 3&4 at the Hayward Fault 2 ND-2629 - Seismic Upgrade of Say Division Pipeline Nos. 3&4 at the Hayward Fault 2 ND-2629 - Sue Stati Springs Bypass (Polhemus) Tunnel 2 2	651 581 509 375 374 335 319 305 277 265 229 229 226 226
ND-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel 5 ND-2543 - Lake Merced Pump Station Essential Upgrades 5 ND-2541 - Bay Division Pipeline No. 5 - East Bay Reaches 5 ND-2501 - Alemany Pump Station 3 DB-116 - Tesla Treatment Facility 3 VD-2532 - University Mound Reservoir North Basin Seismic Upgrades 3 ND-2539 - University Mound Reservoir North Basin Seismic Upgrades 3 ND-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 ND-2668 - Regional Groundwater Storage and Recovery 2 Se396 - Advanced Meter Infrastructure 2 ND-2552 - Alameda Siphon No. 4 Project 2 H-9336 - San Joaquin Pipeline System - Western Segment 2 ND-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault 2 ND-2634 - Stanford Heights Reservoir Seismic Retrofit and Improvement 1 HH-9358 - San Joaquin Pipeline System - Crossovers 1 ND-2534 - BUPL Nos. 3&4 Crossover Facilities 1 ND-2549 - Sian Antonio Backup Pipeline 1 ND-2540 - San Antonio Backup Pipeline 1 ND-25513 - San Antonio Backup Pipeline 1 ND-25414 - Laner Asine Pracines Noter Acidities 1 <td>581 531 509 375 374 335 319 305 277 265 229 229 226 226</td>	581 531 509 375 374 335 319 305 277 265 229 229 226 226
WD-2548 - Lake Merced Pump Station Essential Upgrades 5 WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches 5 WD-2501 - Alemany Pump Station 3 DB-116 - Tesla Treatment Facility 3 WD-2503 - University Mound Reservoir North Basin Seismic Upgrades 3 WD-2542 - Bay Division Pipeline System - Eastern Segment & Other Facilities 3 WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 WD-2563 - Regional Groundwater Storage and Recovery 2 Se-936 - Advanced Meter Infrastructure 2 WD-2552 - Alameda Siphon No. 4 Project 2 HP-3585 - San Joaquin Pipeline System - Western Segment 2 WD-26277 - Sutro Reservoir Rehabilitation and Seismic Upgrade 2 WD-26278 - Sutro Reservoir Rehabilitation and Seismic Upgrade 2 WD-26278 - Sutro Reservoir Structural Rehabilitation and Roof Replacement 1 HP3545 - San Joaquin Pipeline System - Crossovers 1 WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement 1 WD-2575 - San Andreas Pipeline No.3 Installation Project 1 WD-25591 - Lower Crystal Springs Dam Improvements 1 <t< td=""><td>531 509 375 374 335 319 305 277 265 229 229 229 226 226</td></t<>	531 509 375 374 335 319 305 277 265 229 229 229 226 226
ND-2541 - Bay Division Pipeline No. 5 - East Bay Reaches 5 VD-2501 - Alemany Pump Station 3 DB-116 - Tesla Treatment Facility 3 H1+935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities 3 WD-2539 - University Mound Reservoir North Basin Seismic Upgrades 3 ND-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 ND-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant 2 ND-2668 - Regional Groundwater Storage and Recovery 2 CS-936 - Advanced Meter Infrastructure 2 ND-2652 - Alameda Siphon No. 4 Project 2 H-935B - San Joaquin Pipeline System - Western Segment 2 ND-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault 2 ND-2648 - San Joaquin Pipeline System - Crossovers 1 ND-2547 - Suto Reservoir Seismic Retrofit and Improvement 1 H-9358 - San Joaquin Pipeline System - Crossovers 1 ND-2548 - BDPL Nos. 3&4 Crossover Facilities 1 ND-2575 - San Antonio Backup Pipeline 1 ND-2575 - San Antonio Backup Pipeline 1 ND-2559 - Lower Crystal Springs Dam Improvements 1 ND-2555 - Crystal Springs Dam Improvements </td <td>509 375 374 335 319 305 277 265 229 229 226 226</td>	509 375 374 335 319 305 277 265 229 229 226 226
ND-2501 - Alemany Pump Station S DB-116 - Tesla Treatment Facility S HI-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities S ND-2539 - University Mound Reservoir North Basin Seismic Upgrades S ND-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches S ND-2548 - Regional Groundwater Storage and Recovery Z CS-936 - Advanced Meter Infrastructure Z ND-2552 - Alameda Siphon No. 4 Project Z VD-2687 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault Z ND-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade Z ND-2527 - Sutro Reservoir Rehabilitation and Seismic Upgrade Z ND-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade Z ND-2527 - Sutro Reservoir Seismic Retrofit and Improvement 11 HI-9356 - San Joaquin Pipeline System - Crossovers 11 ND-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement 11 ND-2575 - San Antonio Backup Pipeline 11 ND-2591 - Lower Crystal Springs Dum Improvements 11 ND-2592 - Forest Knolls Pump Station and Storage Tank Upgrade 11 ND-2593 - Lower Crystal Springs Dipeline No.2 Replacement Proiect 11	375 374 335 319 305 277 265 229 229 229 226 226
DB-116 - Tesla Treatment Facility 3 HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities 3 WD-2539 - University Mound Reservoir North Basin Seismic Upgrades 3 WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant 2 VD-2668 - Regional Groundwater Storage and Recovery 2 CS-936 - Advanced Meter Infrastructure 2 VD-2552 - Alameda Siphon No. 4 Project 2 HI-935B - San Joaquin Pipeline System - Western Segment 2 VD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault 2 VD-2629 - Sutro Reservoir Rehabilitation and Seismic Upgrade 2 VD-2489 - New Crystal Springs Bypass (Polhemus) Tunnel 2 VD-2533 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement 1 VD-2543 - San Andreas Pipeline No.3 Installation Project 1 VD-2555 - Crystal Springs Dam Improvements 1 VD-2555 - Crystal Springs Dam Improvements 1 VD-2555 - Stan Francisco Groundwater Supply Well Stations 1 VD-2556 - Baden and San Pedro Valve Lot Improvements 1 VD-2555 - San Francisco Groundwater Supply Well Stations<	374 335 319 305 277 265 229 229 226 226
HI-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities 3 WD-2539 - University Mound Reservoir North Basin Seismic Upgrades 3 WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 WD-2766 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant 2 WD-2668 - Regional Groundwater Storage and Recovery 2 CS-936 - Advanced Meter Infrastructure 2 WD-2552 - Alameda Siphon No. 4 Project 2 HI-935B - San Joaquin Pipeline System - Western Segment 2 WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault 2 WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade 2 WD-2634 - Stanford Heights Reservoir Seismic Retrofit and Improvement 1 HI-9355 - San Joaquin Pipeline System - Crossovers 1 ND-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement 1 ND-2573 - San Antoras Pipeline No.3 Installation Project 1 ND-2555 - San Antorio Backup Pipeline 1 ND-2555 - San Antorio Backup Pipeline 1 ND-2555 - Crystal Springs Dam Improvements 1 ND-2555 - Crystal Springs Dam Improvements 1 ND-2555 - San Antonio Backup Pipeline 1	335 319 305 277 265 229 229 229 226 226
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades S WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches S WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant S WD-2688 - Regional Groundwater Storage and Recovery S Sc936 - Advanced Meter Infrastructure S WD-2552 - Alameda Siphon No. 4 Project S WD-2627R - Sutro Reservoir System - Western Segment S WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade S WD-2627R - Sutro Reservoir Seismic Retrofit and Improvement 1 HH-935A - San Joaquin Pipeline System - Crossovers 1 WD-2568 - BDPL Nos. 3&4 Crossover Facilities 1 WD-2568 - BDPL Nos. 3&4 Crossover Facilities 1 WD-2575 - San Andreas Pipeline No.3 Installation Project 1 WD-2575 - San Andreas Pipeline No.3 Installation Project 1 WD-2555 - Crystal Springs Dam Improvements 1 WD-2555 - Crystal Springs Dipeline No.3 Replacement Project 1 WD-2556 - Sand Antonio Backup Pipeline 1 WD-2555 - Crystal Springs Dam Improvements 1 WD-2556 - San Antonio Backup Pipeline No.3 Replacement Project 1 WD-2555 - Crystal Springs Pipe	319 305 277 265 229 229 226 226 226
ND-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches 3 MD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant 2 VD-2668 - Regional Groundwater Storage and Recovery 2 CS-936 - Advanced Meter Infrastructure 2 VD-2552 - Alameda Siphon No. 4 Project 2 HI-935B - San Joaquin Pipeline System - Western Segment 2 WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault 2 WD-24027R - Sutro Reservoir Rehabilitation and Seismic Upgrade 2 WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement 1 HI-935A - San Joaquin Pipeline System - Crossovers 1 WD-25273 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement 1 WD-25273 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement 1 WD-25273 - Sun Andreas Pipeline No.3 Installation Project 1 WD-25275 - San Antonio Backup Pipeline 1 WD-2525 - Crystal Springs Dam Improvements 1 WD-2525 - Crystal Springs Dam Improvements 1 WD-25264 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3 1 WD-2652 - Bioregional Habitat Restoration, San Antonio Creek 1 WD	305 277 265 229 229 226 226
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Total Cleared 15,0	,086

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. Inc. on Jun. 26, 2007 in the amount of \$17,899,960.

Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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