HETCH HETCHY
WATER SYSTEM IMPROVEMENT PROGRAM

Water System Improvement Program
Project Labor Agreement

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

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

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Executive Summary

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. 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	Inception Through September 30, 2019			
	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.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending September 30, 2019			
	Worker Count	Sum of Hours	Sum 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

*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

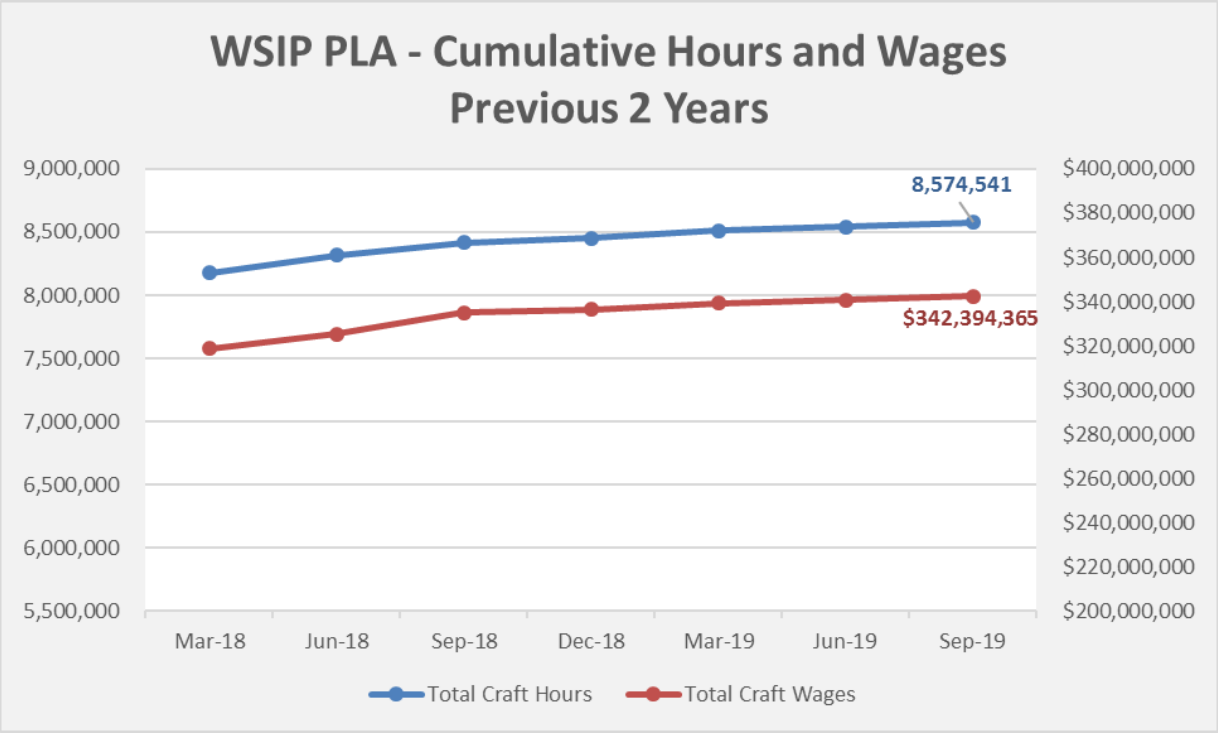
Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through September 30, 2019					
Award Date	**Contract No.**	**Prime Contractor**	**Project**	**Engineer's Estimate**	**Award $**
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	$20 Million	$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	$2.9 Million	$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch	$5.8 Million	$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	$29 to $34 Million	$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Faci	$70 to 80 Million	$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	$11.2 Million	$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	$28.6 Million	$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Wate	$30 Million	$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	$10.8 Million	$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	$16 Million	$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	$50 Million	$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	$13.6 Million	$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	$22.5 Million	$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	$34 to $38 Million	$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	$28 to $36 Million	$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	$2.7 Million	$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	$49 to $54 Million	$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood P	$5.9 to $6.7 Million	$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	$2.4 Million	$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I	$3.6 to $4.2 Million	$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	$5.8 Million	$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	$13 Million	$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andrea	$6.4 Million	$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	$2.4 Million	$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	$52 to $57 Million	$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	$250 to $300 Million	$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	$220 to $245 Million	$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	$43 to $48 Million	$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	$70 Million	$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	$18 to $22 Million	$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	$100 to $130 Million	$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	$6.5 Million	$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	$230 to $260 Million	$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	$109 Million	$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	$21.6 Million	$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	$235 to $260 Million	$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	$62 to $69 Million	$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	$88 to $98 Million	$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	$10.6 Million	$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	$14 to $18 Million	$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	$8.5 to $9.5 Million	$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	$3.1 Million	$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	$20 to $25 Million	$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	$47 to $52 Million	$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	$45.5 Million	$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	$21.5 Million	$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	$52 to $60 Million	$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	$62.8 Million	$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	$15 to $18 Million	$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	$6 to $8 Million	$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	$55 to $65 Million	$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	$90 Million	$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	$15 to $18 Million	$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	$15 to $18 Million	$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	$5.5 to $7 Million	$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	$18 to $22 Million	$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	$5.7 Million	$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	$18 to $24 Million	$ 17,899,960
Total 58 Projects					**$ 2,216,344,430**

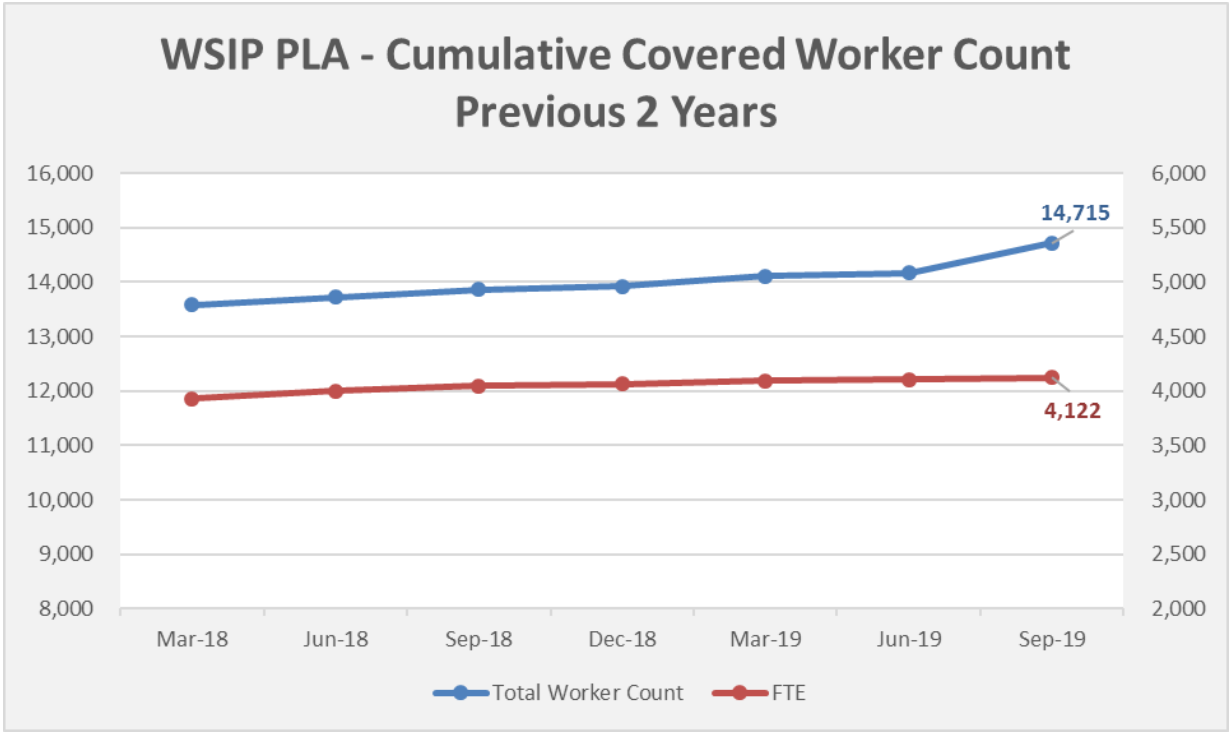
* indicates projects located in San Francisco

Summary Charts

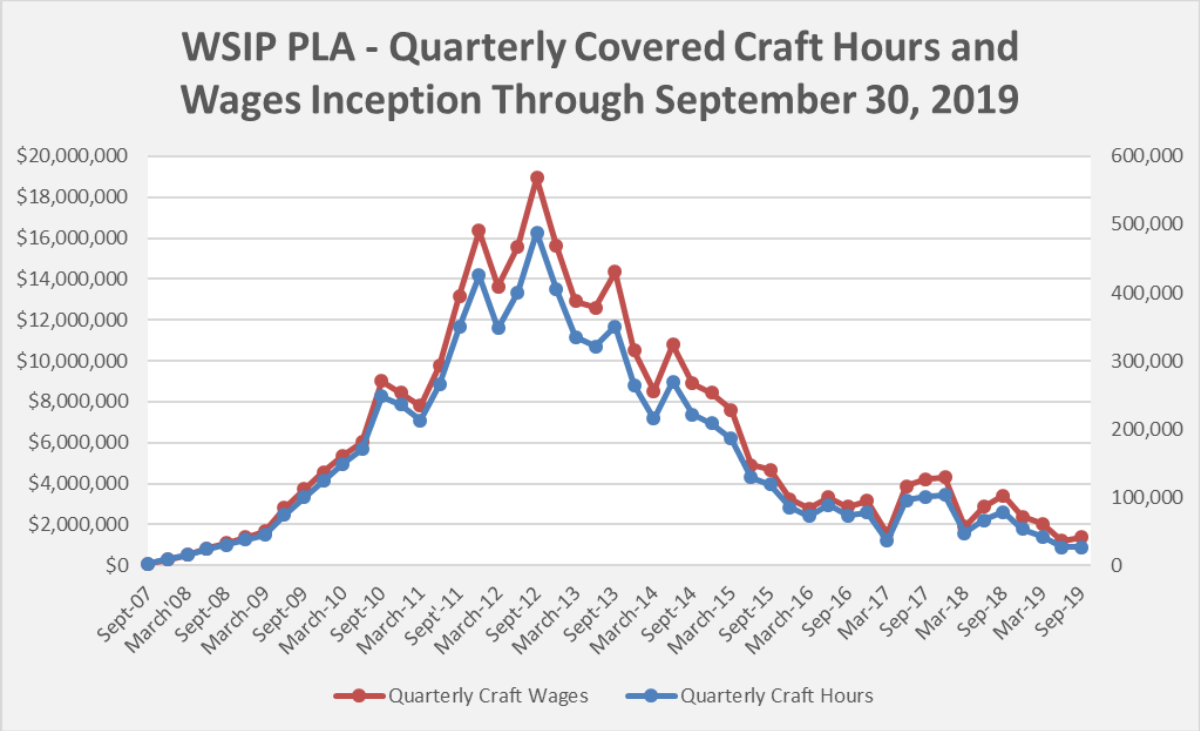
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending September 30, 2019; 14,715 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,574,541 craft hours and $342,394,365 in craft wages.

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

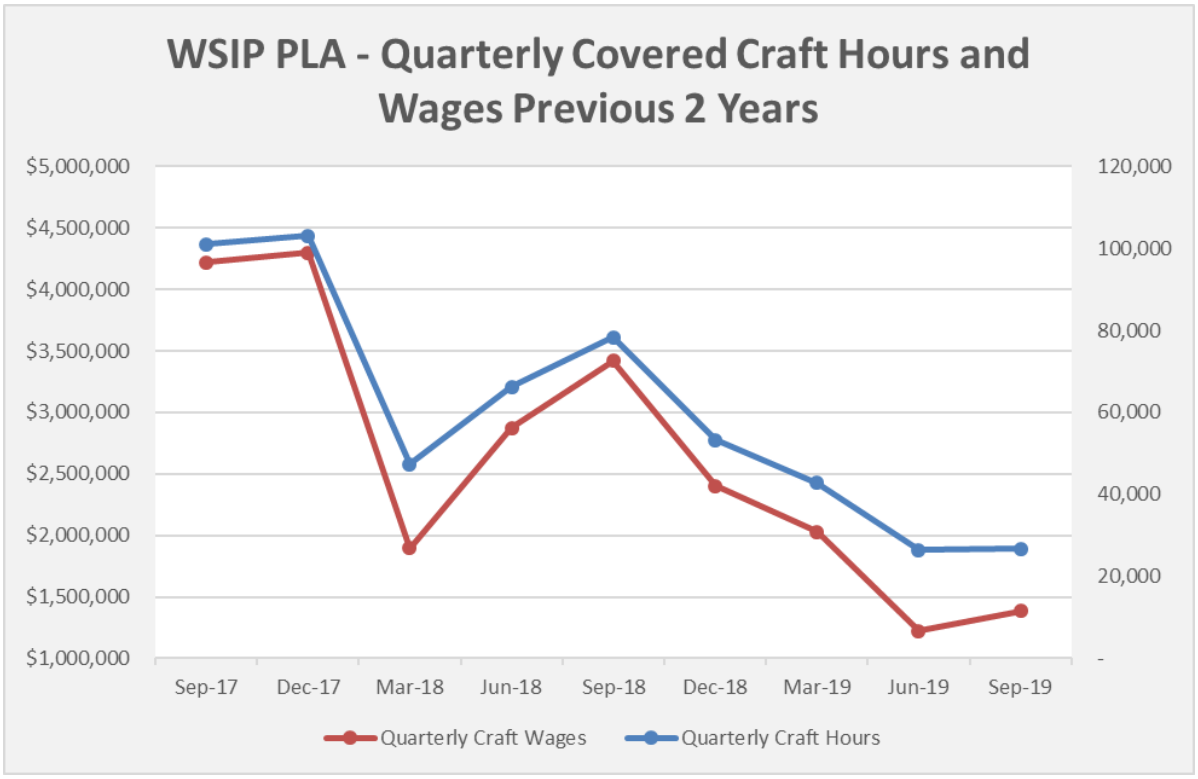




The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 97% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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.

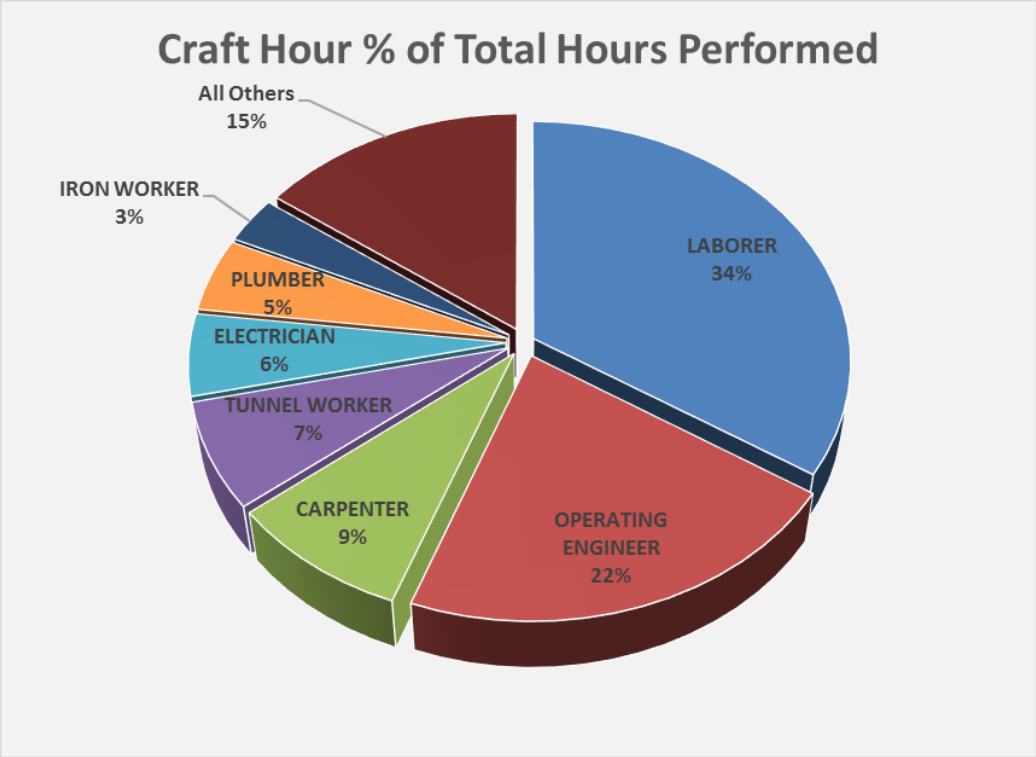
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

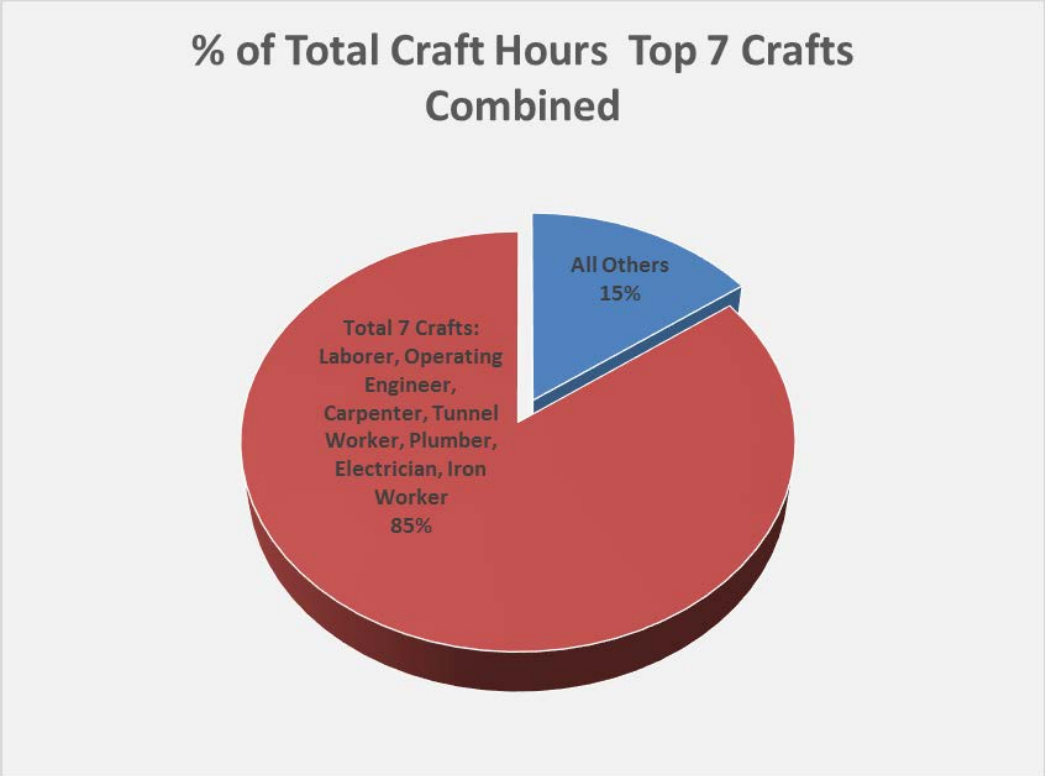
Sorted by Total Craft Hours

Cumulative Employment by Craft
Inception Through September 30, 2019

Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
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**

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.

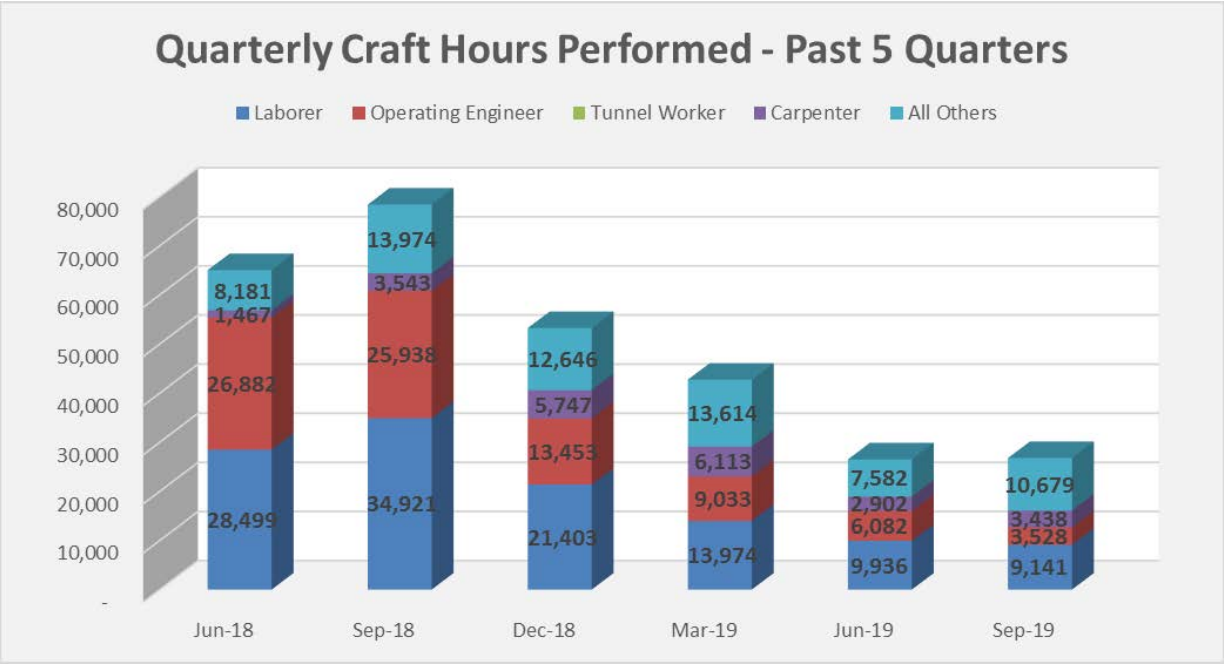


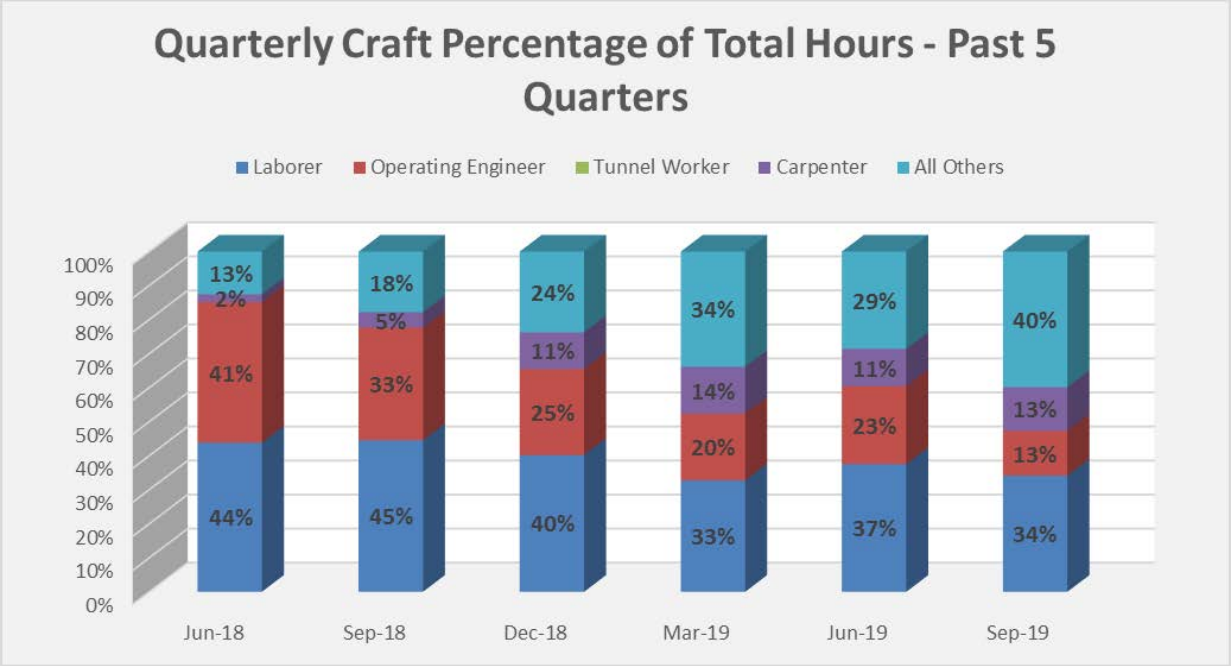


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 9-30-2019 Hours	Quarter 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	$ 974,643	1,463	$ 80,128
Drywall Installer/Lather	10,804	$ 458,452	8	$ 292
Bricklayer	8,620	$ 329,139	-	$ -
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 Hig	79,393	$ 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	1,131	$ 32,404	-	$ -
Steel Erector And Fabricator (Operating Engineer - Hea	1,123	$ 56,467	-	$ -
Traffic Control/Lane Closure (Laborer)	888	$ 31,991	-	$ -
Dredger Operating Engineer	831	$ 33,307	-	$ -
Operating Engineer (Building Construction)	635	$ 24,810	-	$ -
Slurry Seal Worker	592	$ 17,811	-	$ -
Parking And Highway Improvement Painter (Painter)	247	$ 10,082	-	$ -
Ironworker (Db)	80	$ 2,772	-	$ -
Teamster (Special Single Shift Rate)	11	$ 291	-	$ -
Total Non-Apprenticeable	**459,614**	**$ 23,857,523**	**425**	**$ 44,734**
Total Apprenticable	**8,114,927**	**$ 318,536,842**	**26,360**	**$ 1,337,554**
Total WSIP PLA	**8,574,541**	**$ 342,394,365**	**26,785**	**$ 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.

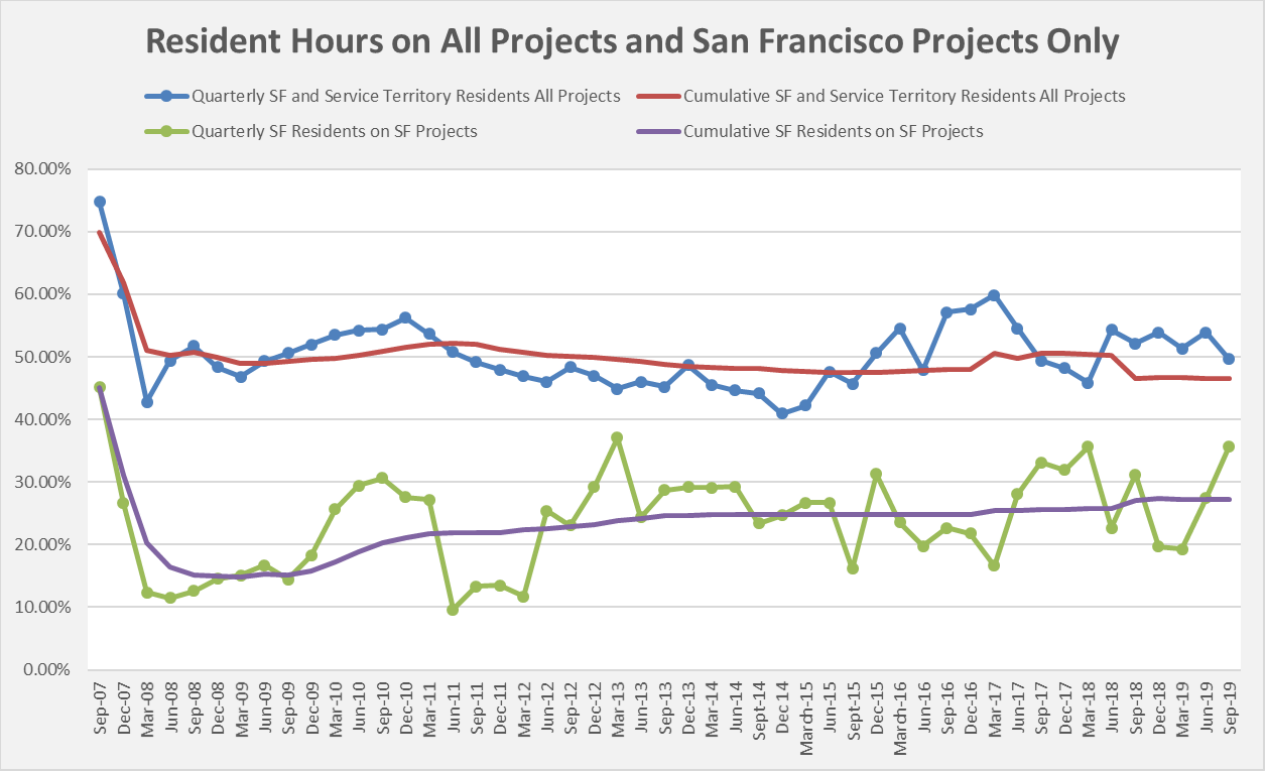




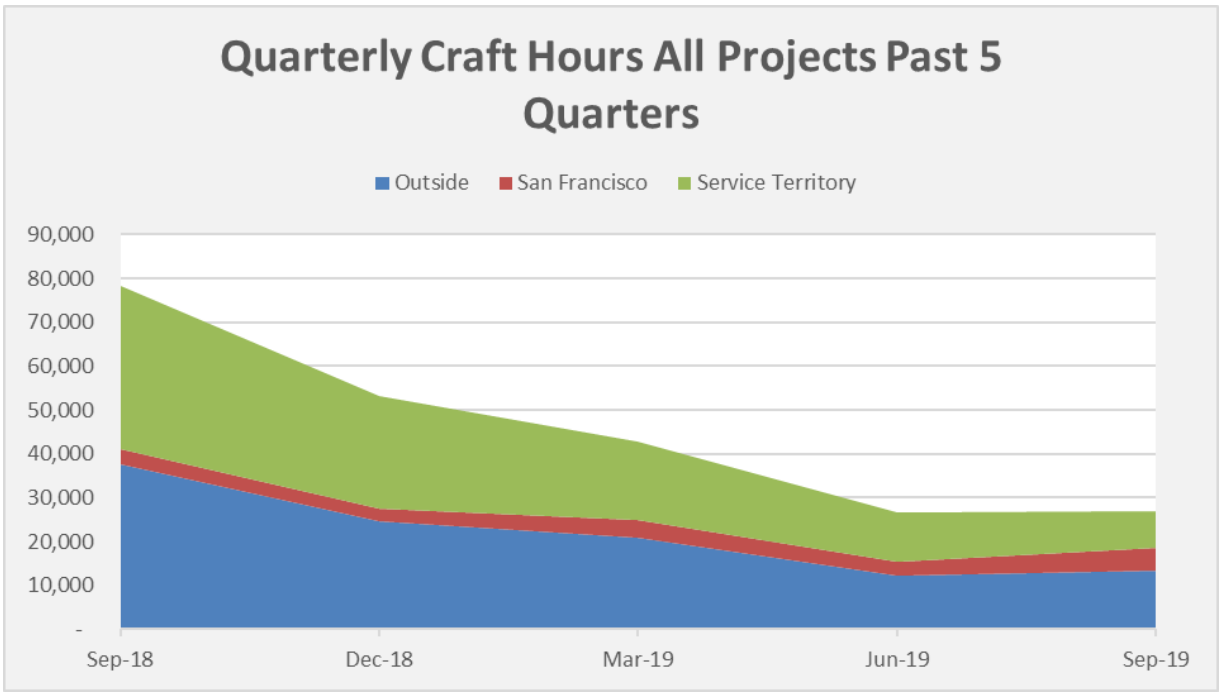
Worker Residence on the WSIP PLA

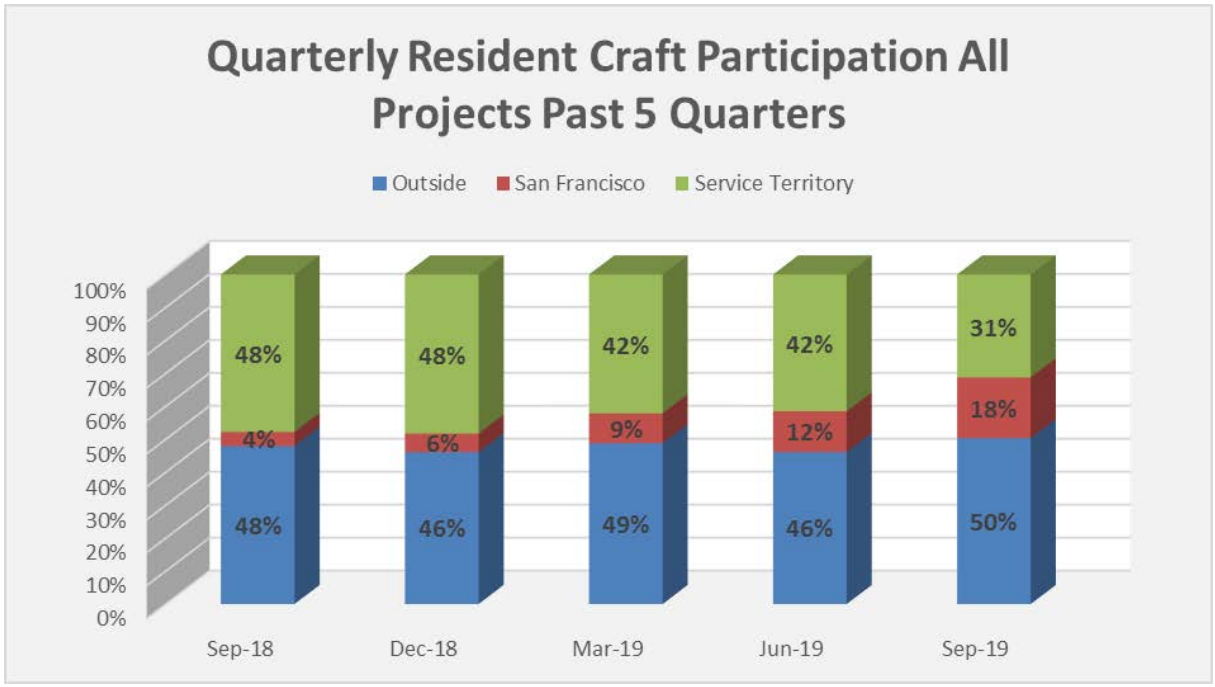
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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.

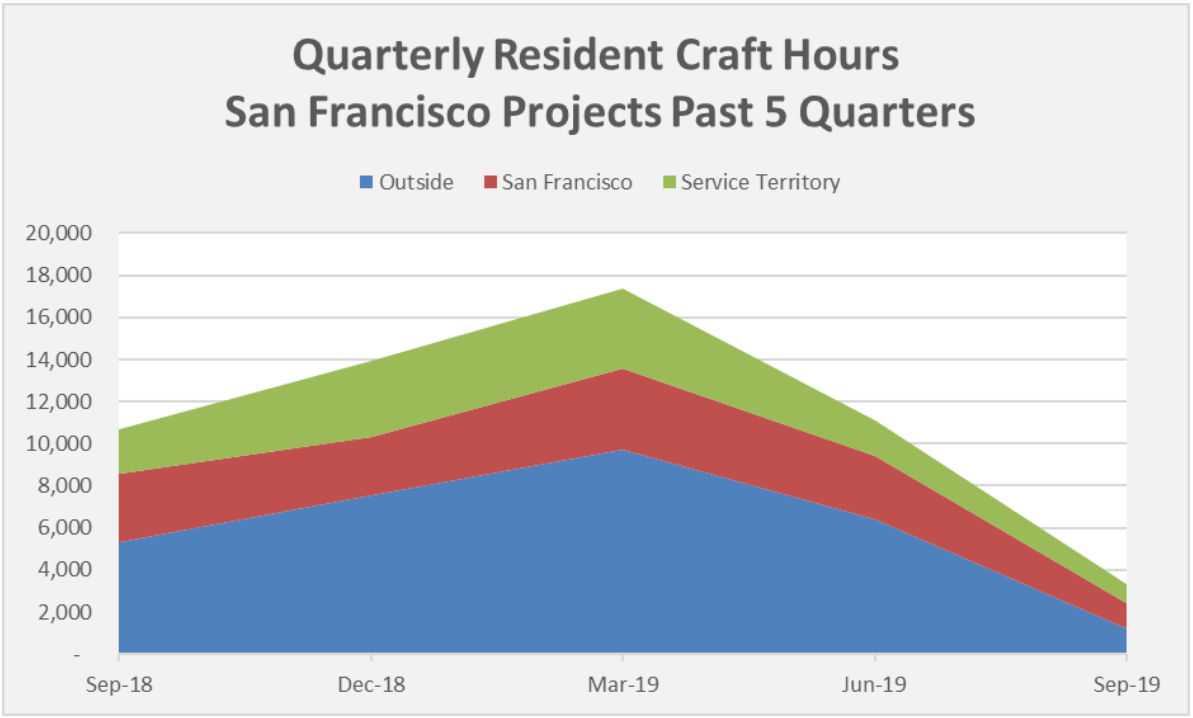


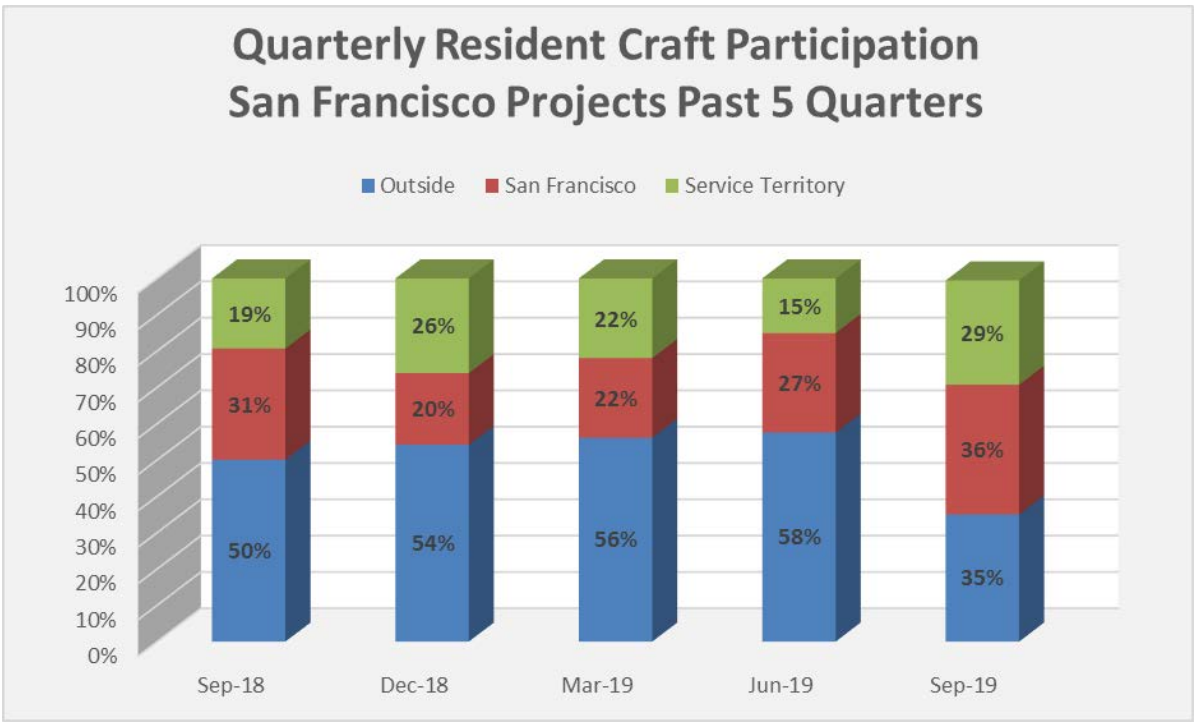
Residence on *ALL* WSIP PLA Projects - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



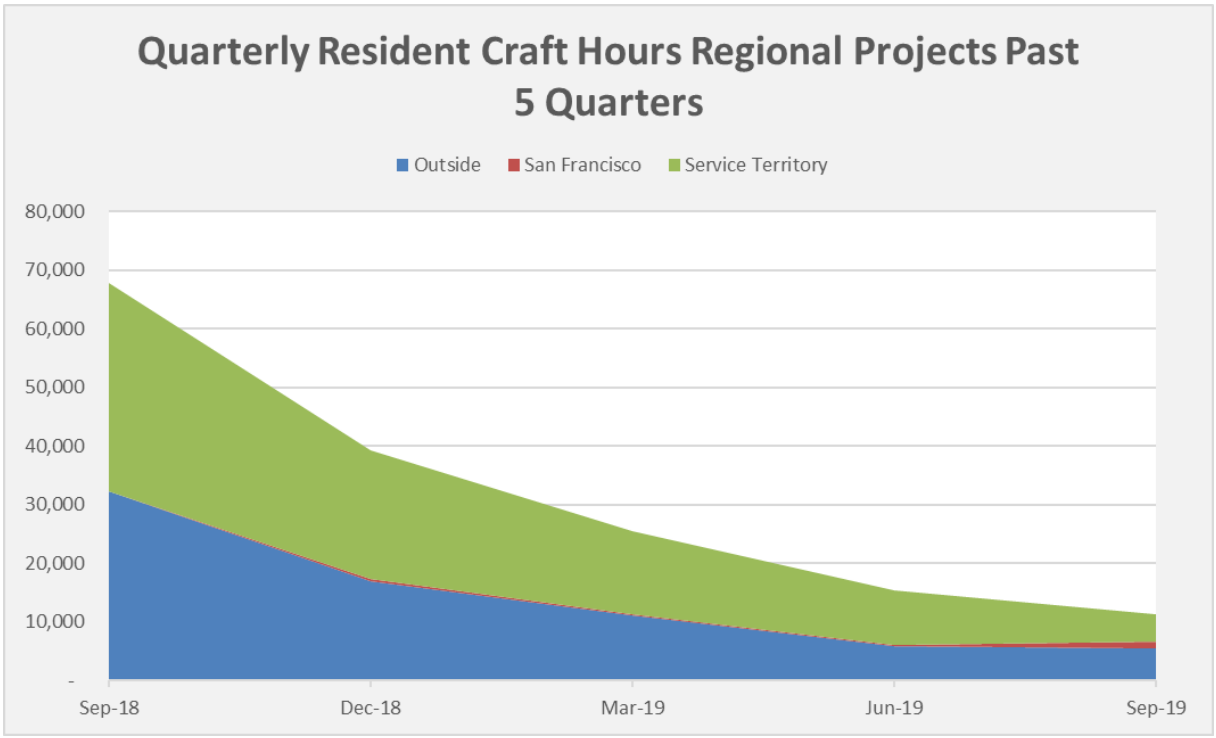


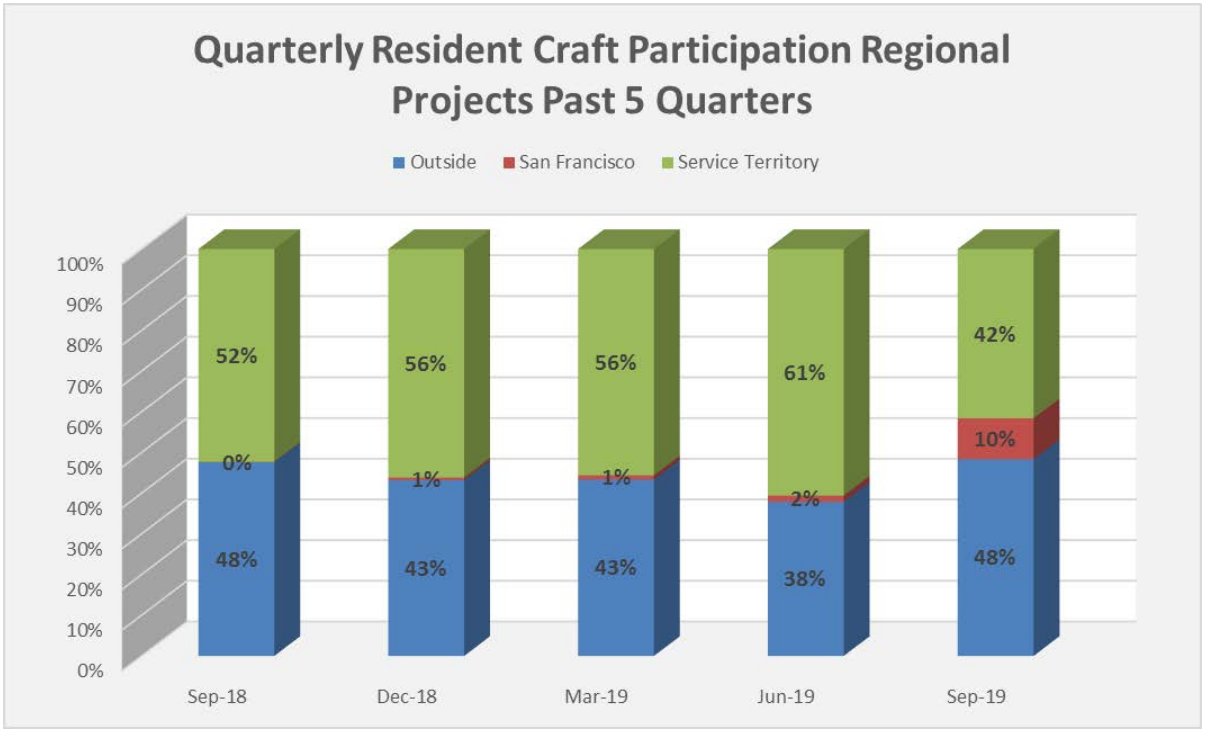
Residence on *San Francisco-located* WSIP PLA Projects - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





Residence *by County*

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence Inception Through September 30,2019					
County	**Total Craft Hours**	**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%	1,968	584
San Joaquin County	837,557	$ 31,747,642	9.8%	1,243	403
San Mateo County	733,685	$ 29,859,875	8.6%	1,230	353
San Francisco County	**596,929**	**$ 22,753,741**	**7.0%**	**1,286**	**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**

San Francisco Residents *by Zip Code*

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through September 30, 2019					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	114,899	$ 4,050,779	19.2%	212	55
94124	100,677	$ 3,960,089	16.9%	266	48
94116	83,750	$ 3,901,447	14.0%	83	40
94110	80,464	$ 2,799,653	13.5%	181	39
94134	40,162	$ 1,220,672	6.7%	116	19
94122	31,359	$ 1,436,176	5.3%	68	15
94103	23,903	$ 729,261	4.0%	38	11
94121	19,505	$ 777,512	3.3%	47	9
94118	14,929	$ 734,235	2.5%	21	7
94127	13,645	$ 568,406	2.3%	21	7
94117	10,718	$ 291,982	1.8%	18	5
94132	10,636	$ 432,313	1.8%	33	5
94107	9,501	$ 355,362	1.6%	27	5
94102	8,540	$ 377,120	1.4%	20	4
94131	6,691	$ 205,146	1.1%	24	3
94109	4,886	$ 154,387	0.8%	20	2
94133	4,392	$ 176,135	0.7%	8	2
94114	4,248	$ 183,479	0.7%	15	2
94130	3,173	$ 67,607	0.5%	11	2
94108	2,918	$ 64,629	0.5%	6	1
94115	2,287	$ 75,956	0.4%	24	1
94142	1,740	$ 68,149	0.3%	7	1
94111	915	$ 21,546	0.2%	3	0
94123	561	$ 28,323	0.1%	2	0
94104	523	$ 13,179	0.1%	2	0
94129	447	$ 14,182	0.1%	1	0
94188	366	$ 9,790	0.1%	3	0
94105	350	$ 10,481	0.1%	3	0
94140	288	$ 11,589	0.0%	1	0
94119	255	$ 7,976	0.0%	1	0
94147	162	$ 4,785	0.0%	1	0
94125	21	$ 768	0.0%	1	0
94158	16	$ 362	0.0%	2	0
94164	6	$ 264	0.0%	1	0
Total	**596,929**	**$ 22,753,741**	**100.0%**	**1,286**	**287**
WSIP-PLA Total	**8,574,541**	**$ 342,394,365**	**-**		**4,122**

Residence *by Craft*

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through September 30, 2019							
Craft	**Total Hours**	**San Francisco Hours**	**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							
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	-	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	**459,614**	**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*

Sorted by Total Hours

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
WD-2551 - Calaveras Dam Replacemer	1,532,115	4,664	572,553	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improve	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%	41.3%	52.1%
WD-2539 - University Mound Reservoir	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Al	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Stora	159,033	26,435	80,442	52,157	16.6%	50.6%	32.8%
WD-2627R - Sutro Reservoir Rehabilitat	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%
HH-935C - San Joaquin Pipeline - East	143,988	83	80,508	63,397	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,910	3,122	93,841	44,948	2.2%	66.1%	31.7%
WD-2629 - Seismic Upgrade of Bay Div	134,349	1,815	52,403	80,131	1.4%	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%	47.1%
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	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Cross	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipelin	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir S	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2776 - SF Westside Recycled Wat	63,229	17,427	16,155	29,647	27.6%	25.6%	46.9%
WD-2543 - North University Mound Sys	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply W	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1%
WD-2573 - Pulgas Balancing Reservoir	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2568 - BDPL Nos. 3&4 Crossover 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%	45.1%
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	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2809 - SF Groundwater Supply Pha	24,509	5,025	2,573	16,911	20.5%	10.5%	69.0%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Wat	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Ma	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bav Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station I	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvem	12,859	0	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restorat	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2829R - San Andreas Pipeline No.	7,255	1,479	1,685	4,091	20.4%	23.2%	56.4%
WD-2600 - Regional Groundwater Stora	6,088	0	296	5,792	0.0%	4.9%	95.1%
WD-2822R2 - Lower Crystal Springs Da	4,051	152	1,594	2,305	3.8%	39.4%	56.9%
WD-2855 - Turner Dam Spillway and Po	2,088	0	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
Total WSIP PLA	**8,574,541**	**596,929**	**3,390,326**	**4,587,285**	**7.0%**	**39.5%**	**53.5%**

Apprentice Utilization

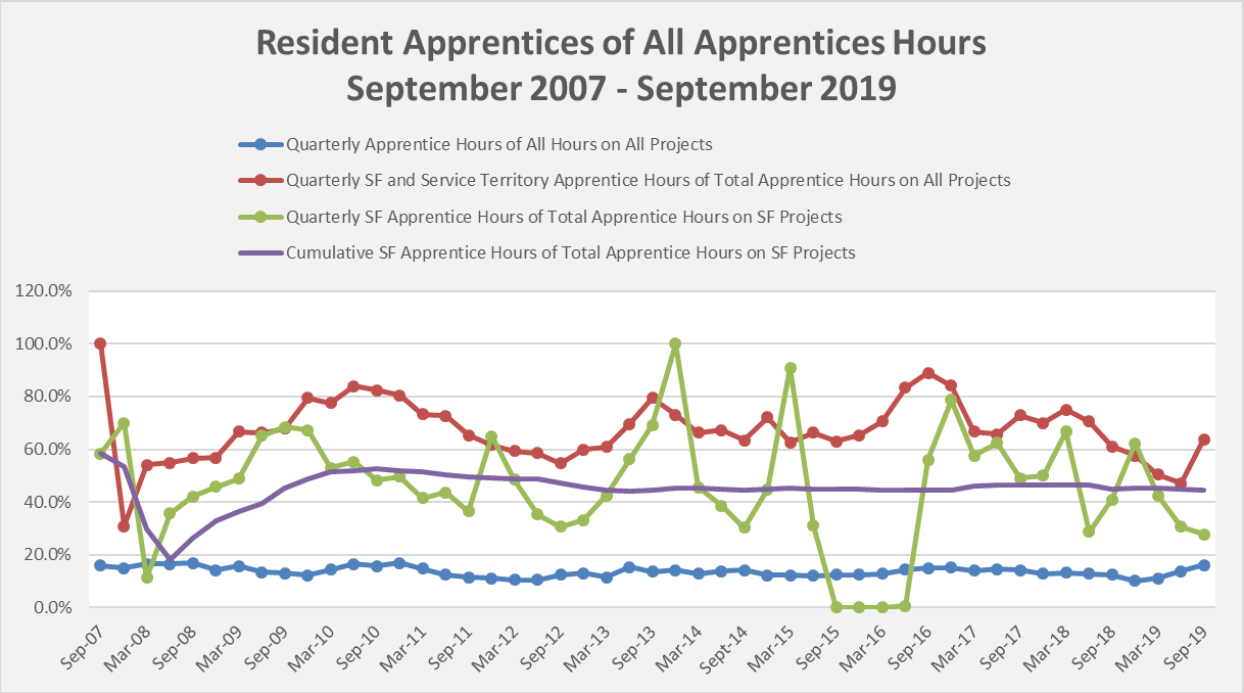
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

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.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,845,588	208,916	25,292	86,218	97,406	11.3%	1.4%	4.7%	12.1%	41.3%	46.6%
A - Carpenter	745,059	119,258	31,111	56,714	31,433	16.0%	4.2%	7.6%	26.1%	47.6%	26.4%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	475,861	90,614	10,505	63,290	16,819	19.0%	2.2%	13.3%	11.6%	69.8%	18.6%
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%	9.9%	18.1%	44.7%	37.3%
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%
A - Painter	146,931	25,144	1,741	6,247	17,156	17.1%	1.2%	4.3%	6.9%	24.8%	68.2%
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%
A - Building/Construction Inspector	88,328	5,036	13	1,254	3,769	5.7%	0.0%	1.4%	0.3%	24.9%	74.8%
A - Roofer	48,597	12,037	1,960	5,300	4,777	24.8%	4.0%	10.9%	16.3%	44.0%	39.7%
A - Field Surveyor	21,992	734	11	71	652	3.3%	0.1%	0.3%	1.5%	9.7%	88.8%
A - Sheet Metal Worker	20,183	3,157	293	1,835	1,030	15.6%	1.4%	9.1%	9.3%	58.1%	32.6%
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%	6.6%	3.1%	21.3%	75.6%
A - Plasterer	8,426	347	136	-	211	4.1%	1.6%	0.0%	39.2%	0.0%	60.8%
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%	25.2%
A - Metal Roofing Systems Installer	2,586	757	-	757	-	29.3%	0.0%	29.3%	0.0%	100.0%	0.0%
A - Asbestos Worker, Heat and Frost Insul	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%	100.0%	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%	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 Finisher	4	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sub-Total Apprenticeable	5,176,686	674,132	124,920	317,918	231,294	13.0%	2.4%	6.1%	18.5%	47.2%	34.3%
A - Laborer	2,938,241	400,125	45,225	259,302	95,598	13.6%	1.5%	8.8%	11.3%	64.8%	23.9%
Total Apprenticeable	8,114,927	1,074,257	170,145	577,220	326,892	13.2%	2.1%	7.1%	15.8%	53.7%	30.4%
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.

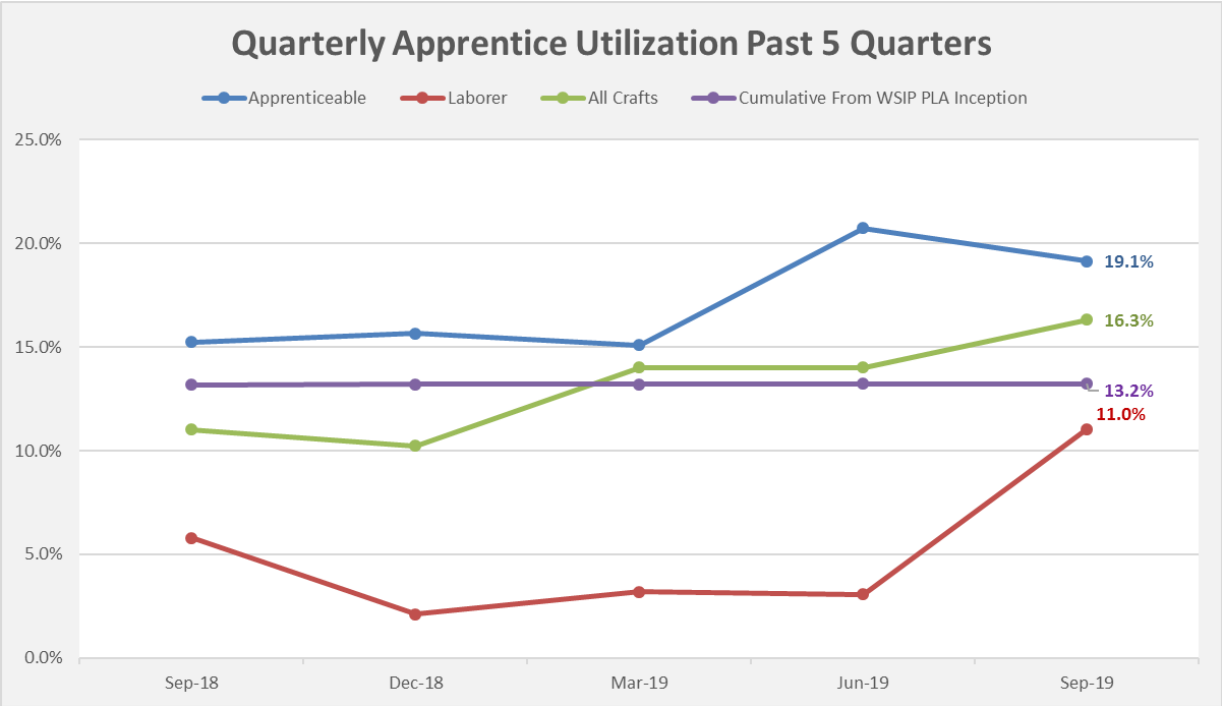


The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.2%.

WSIP - Covered by PLA Apprentice Utilization By Project
Inception Through September 30, 2019

Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2729 - Fish Passage 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%	21.0%
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 Pipelii	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 Springs	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 Ter	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 Pec	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%	6.5%
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 - Bay Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2666 - BHR - Sheep Camp	23,492	16,708	-	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2654R - Peninsula Vegetat	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2829R - San Andreas Pipe	7,255	3,357	379	3,520	6,876	8	365	373	0.2%	10.4%	5.4%
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-2600 - Regional Groundwa	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	2,088	-	-	-	0.0%	0.0%	0.0%
WSIP - Covered by PLA (53 Pr	**8,574,541**	**5,176,686**	**457,595**	**2,938,241**	**8,114,927**	**674,132**	**400,125**	**1,074,257**	**13.0%**	**13.6%**	**13.2%**

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.

WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary Tests Administered to Individuals Cleared to Work Through 9/30/2019	
Project	**Number Cleared**
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
WD-2668 - Regional Groundwater Storage and Recovery	265
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	226
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-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 Proiect	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Proiect	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-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.

HETCH HETCHY
WATER SYSTEM IMPROVEMENT PROGRAM

Water System Improvement Program
Project Labor Agreement

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

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

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Executive Summary

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. 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.

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, 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			
	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.

Summary of Craft Worker Employment

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

*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

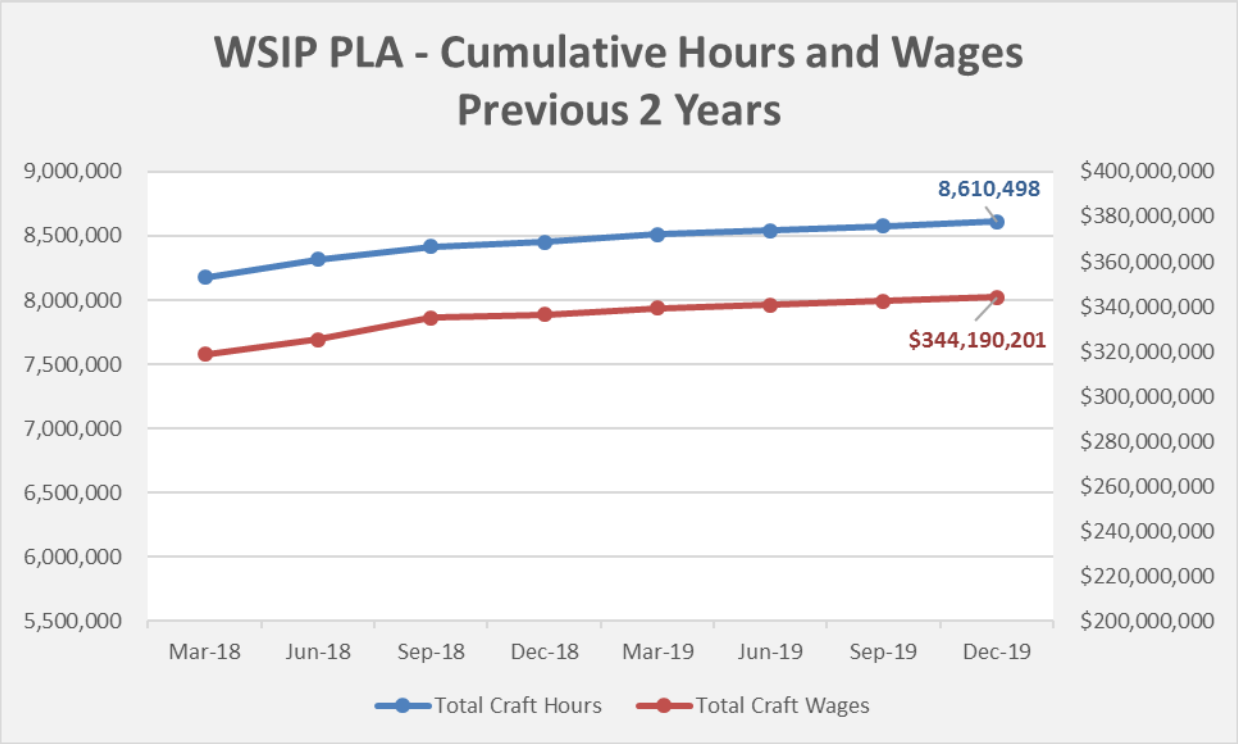
Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through December 31, 2019					
Award Date	**Contract No.**	**Prime Contractor**	**Project**	**Engineer's Estimate**	**Award $**
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	$20 Million	$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	$2.9 Million	$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch	$5.8 Million	$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	$29 to $34 Million	$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facil	$70 to 80 Million	$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	$11.2 Million	$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	$28.6 Million	$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Water	$30 Million	$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	$10.8 Million	$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	$16 Million	$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	$50 Million	$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	$13.6 Million	$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	$22.5 Million	$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	$34 to $38 Million	$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	$28 to $36 Million	$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	$2.7 Million	$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	$49 to $54 Million	$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pc	$5.9 to $6.7 Million	$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	$2.4 Million	$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I	$3.6 to $4.2 Million	$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	$5.8 Million	$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	$13 Million	$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas	$6.4 Million	$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	$2.4 Million	$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	$52 to $57 Million	$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	$250 to $300 Million	$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	$220 to $245 Million	$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	$43 to $48 Million	$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	$70 Million	$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	$18 to $22 Million	$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	$100 to $130 Million	$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	$6.5 Million	$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	$230 to $260 Million	$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	$109 Million	$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	$21.6 Million	$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	$235 to $260 Million	$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	$62 to $69 Million	$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	$88 to $98 Million	$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	$10.6 Million	$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	$14 to $18 Million	$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	$8.5 to $9.5 Million	$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	$3.1 Million	$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	$20 to $25 Million	$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	$47 to $52 Million	$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	$45.5 Million	$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	$21.5 Million	$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	$52 to $60 Million	$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	$62.8 Million	$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	$15 to $18 Million	$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	$6 to $8 Million	$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	$55 to $65 Million	$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	$90 Million	$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	$15 to $18 Million	$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	$15 to $18 Million	$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	$5.5 to $7 Million	$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	$18 to $22 Million	$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	$5.7 Million	$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	$18 to $24 Million	$ 17,899,960
Total 58 Projects					**$ 2,216,344,430**

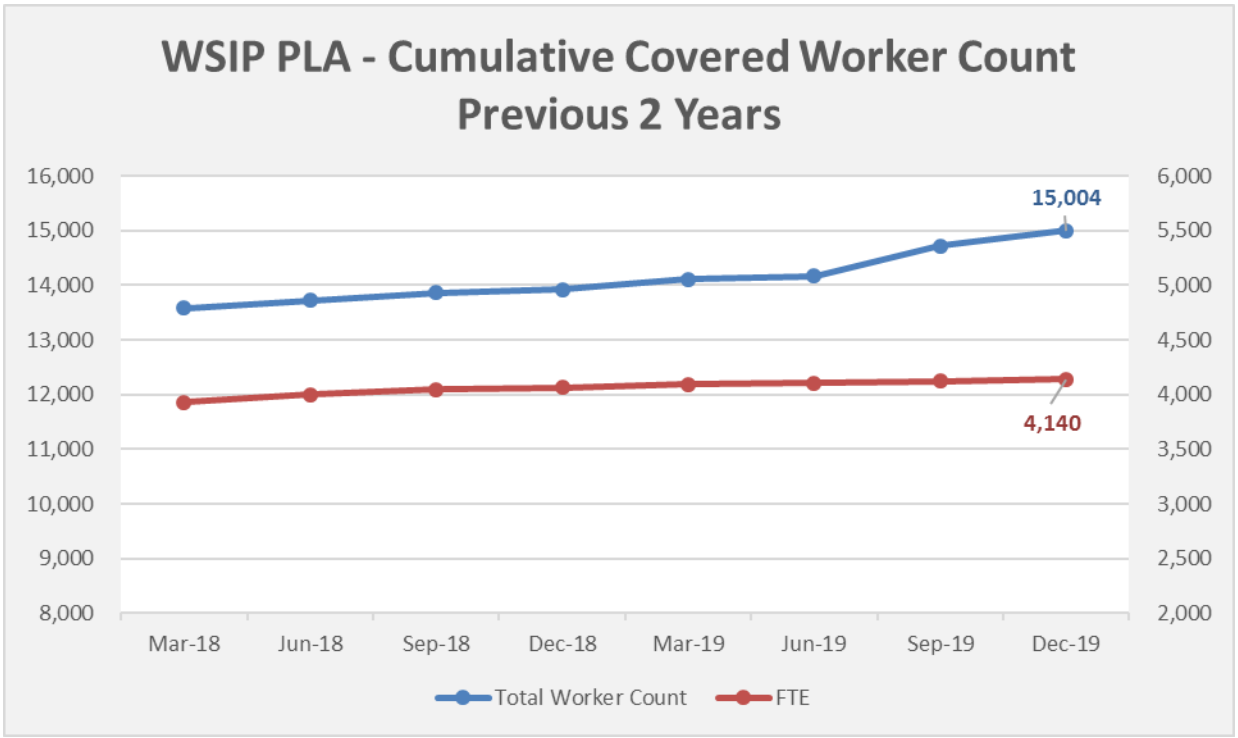
* indicates projects located in San Francisco

Summary Charts

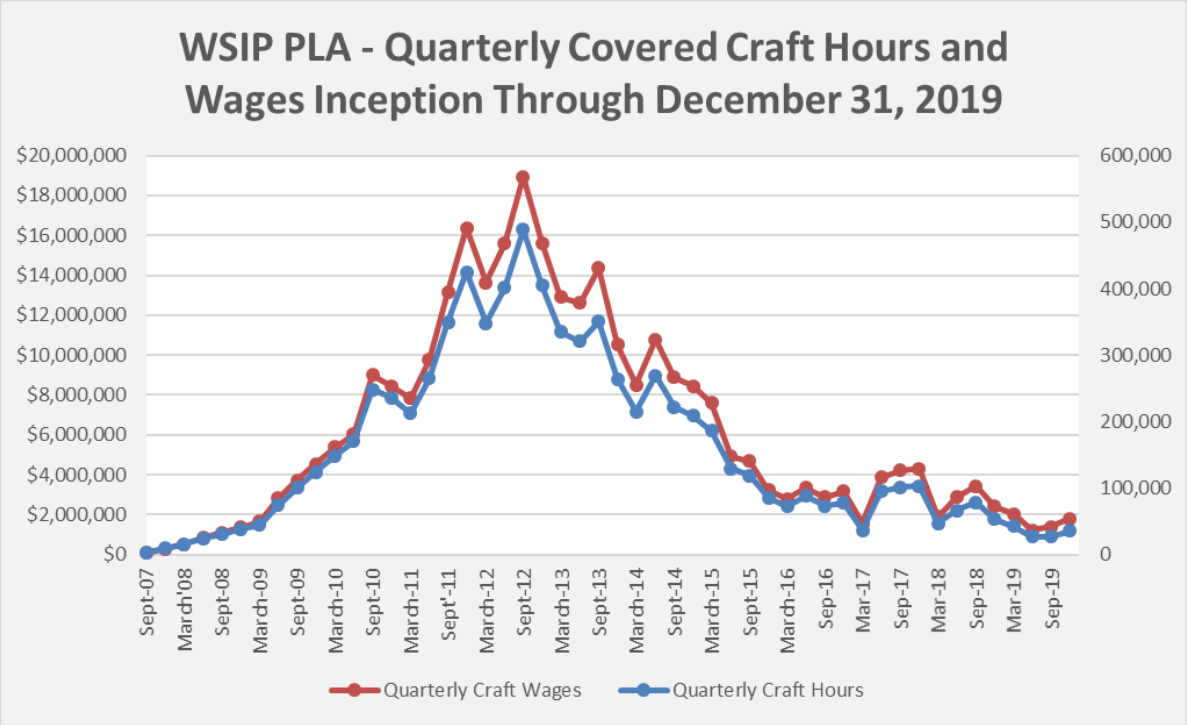
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending December 31, 2019; 15,004 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,610,498 craft hours and $344,190,201 in craft wages.

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

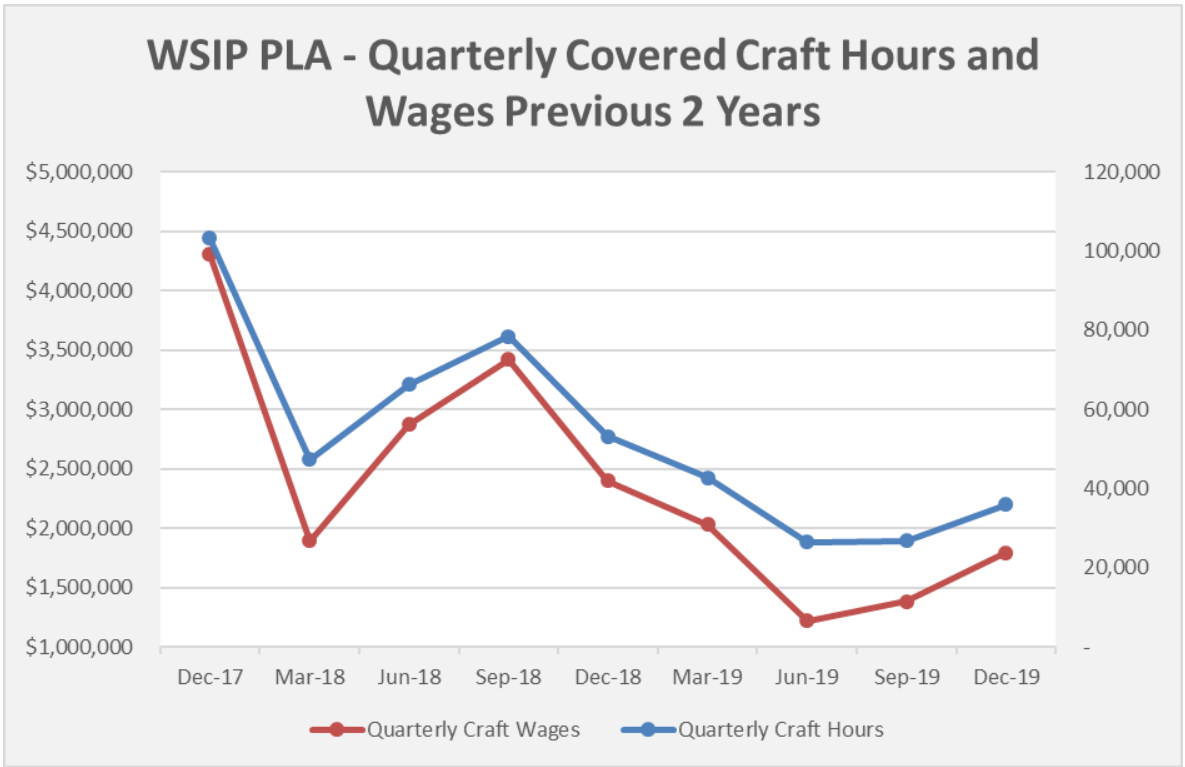




The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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.

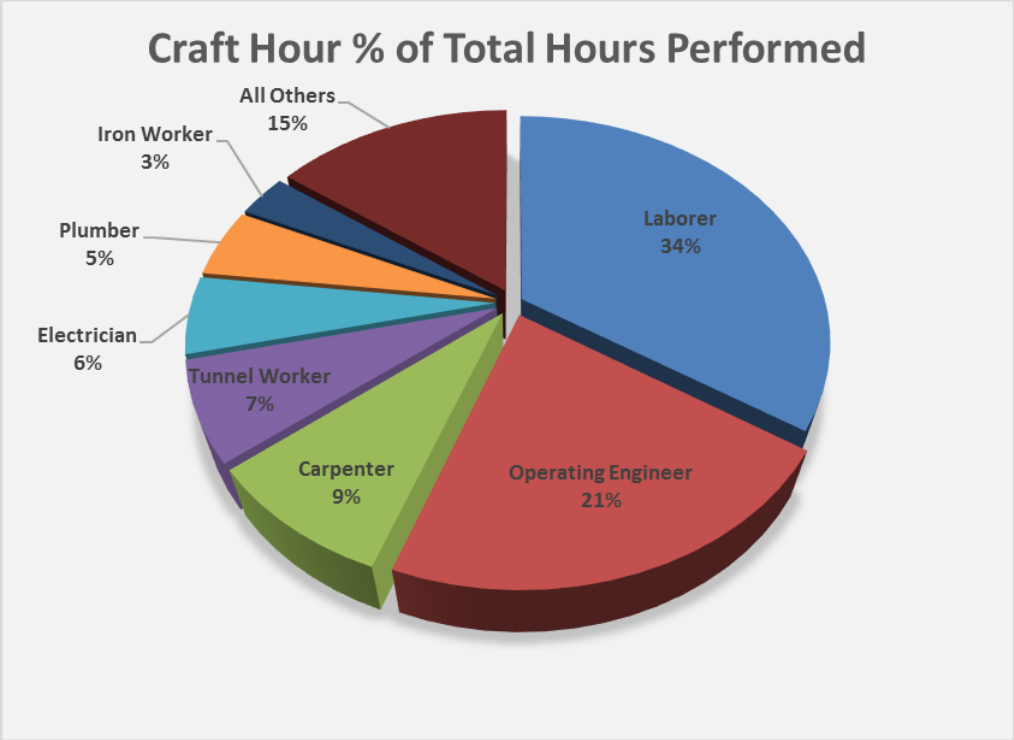
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

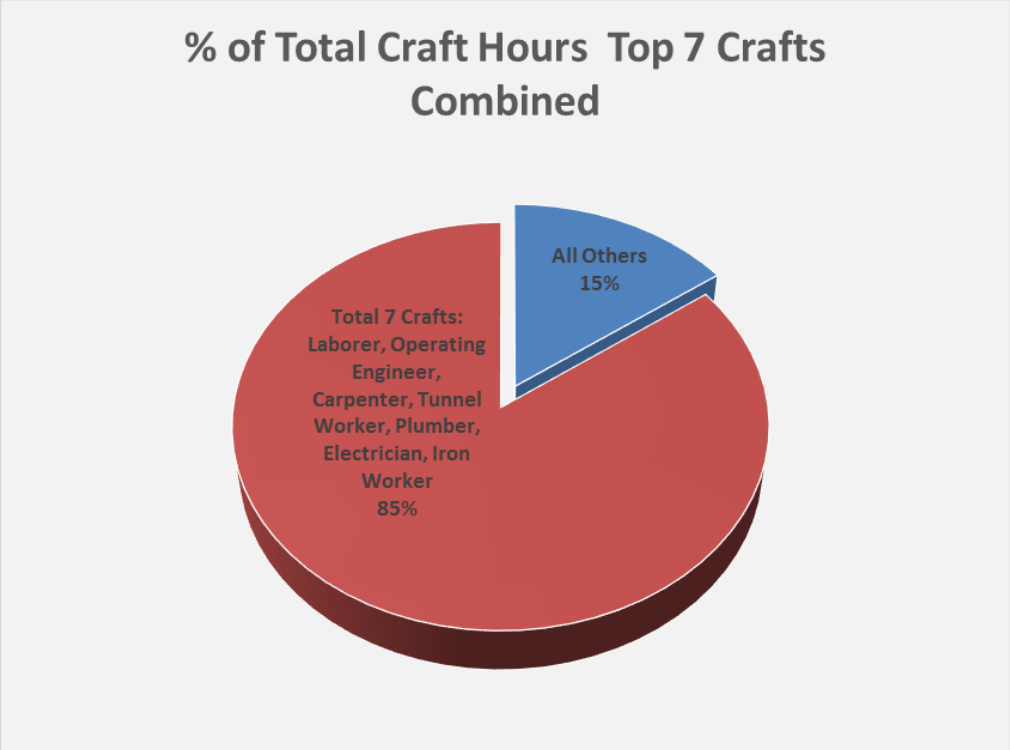
Sorted by Total Craft Hours

Cumulative Employment by Craft
Inception Through December 31, 2019

Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of 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**

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.

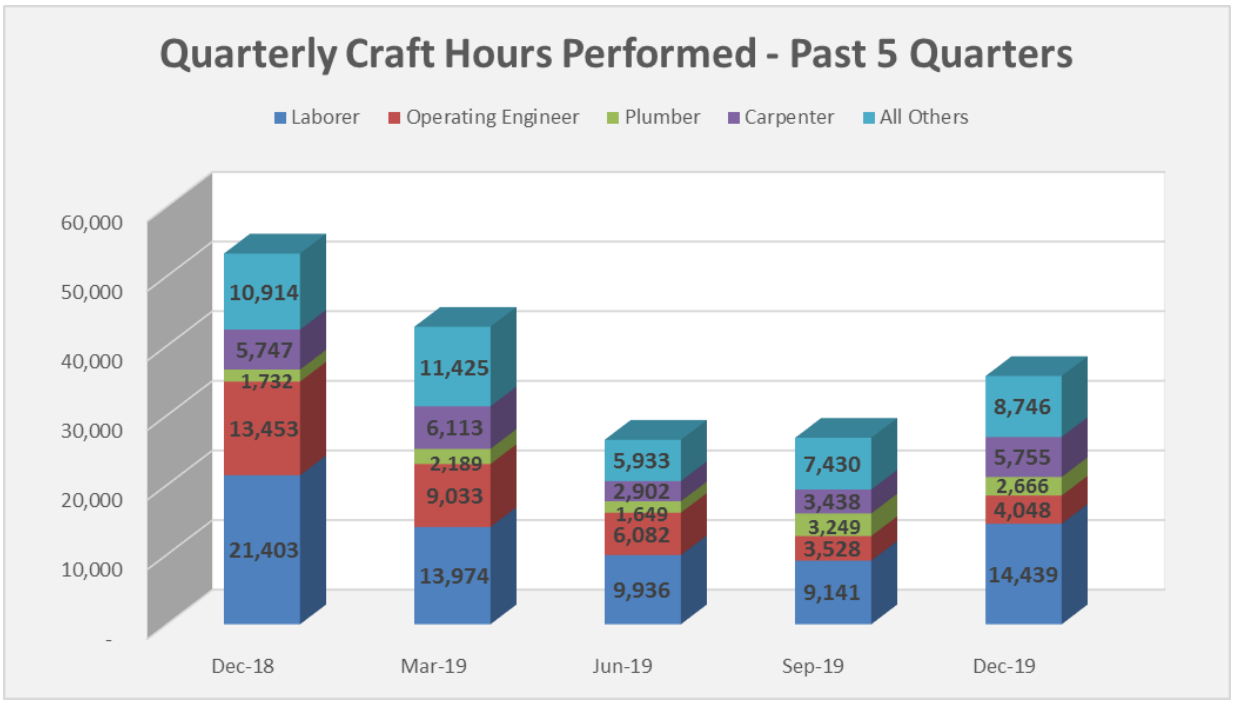


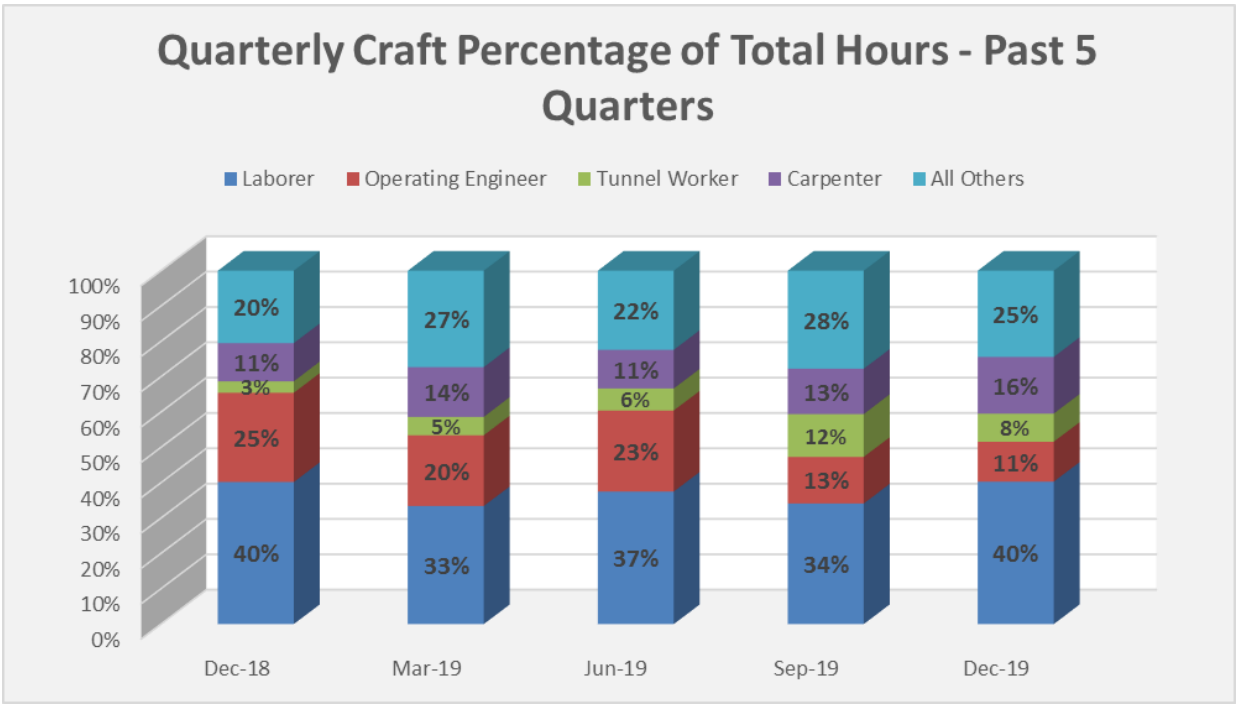


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 12-31-2019 Hours	Quarter 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	$ 5,836	-	$ -
Terrazzo Worker	199	$ 8,163	-	$ -
Sprinkler Fitter	64	$ 4,417	64	$ 4,417
Marble Finisher	40	$ 1,342	-	$ -
Terrazzo Finisher	4	$ 160	-	$ -
	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	79,393	$ 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	1,131	$ 32,404	-	$ -
Steel Erector And Fabricator (Operating Engineer - Heat	1,123	$ 56,467	-	$ -
Traffic Control/Lane Closure (Laborer)	888	$ 31,991	-	$ -
Dredger Operating Engineer	831	$ 33,307	-	$ -
Operating Engineer (Building Construction)	635	$ 24,810	-	$ -
Slurry Seal Worker	592	$ 17,811	-	$ -
Parking And Highway Improvement Painter (Painter)	247	$ 10,082	-	$ -
Ironworker (Db)	80	$ 2,772	-	$ -
Teamster (Special Single Shift Rate)	11	$ 291	-	$ -
Total Non-Apprenticeable	**459,919**	**$ 23,889,810**	**305**	**$ 32,287**
Total Apprenticable	**8,150,579**	**$ 320,300,392**	**35,652**	**$ 1,763,550**
Total WSIP PLA	**8,610,498**	**$ 344,190,201**	**35,957**	**$ 1,795,837**

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

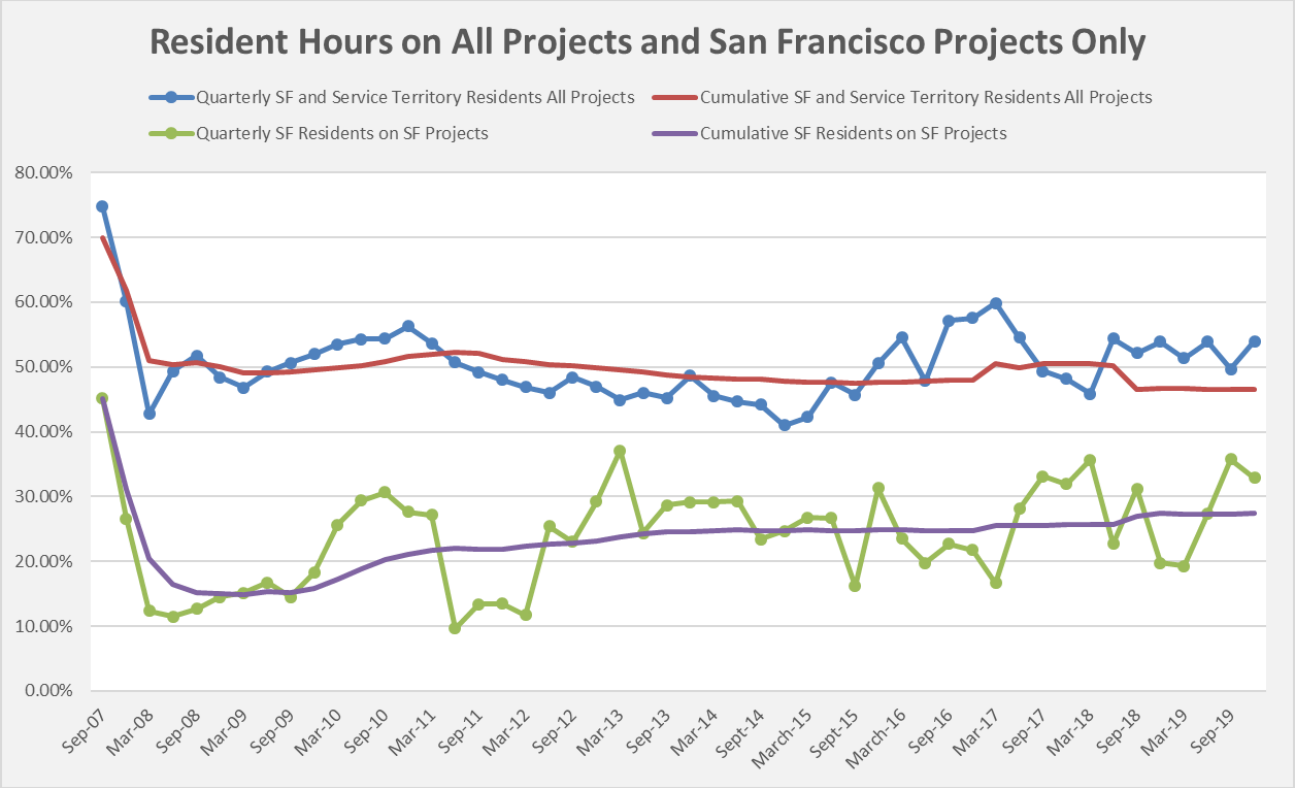




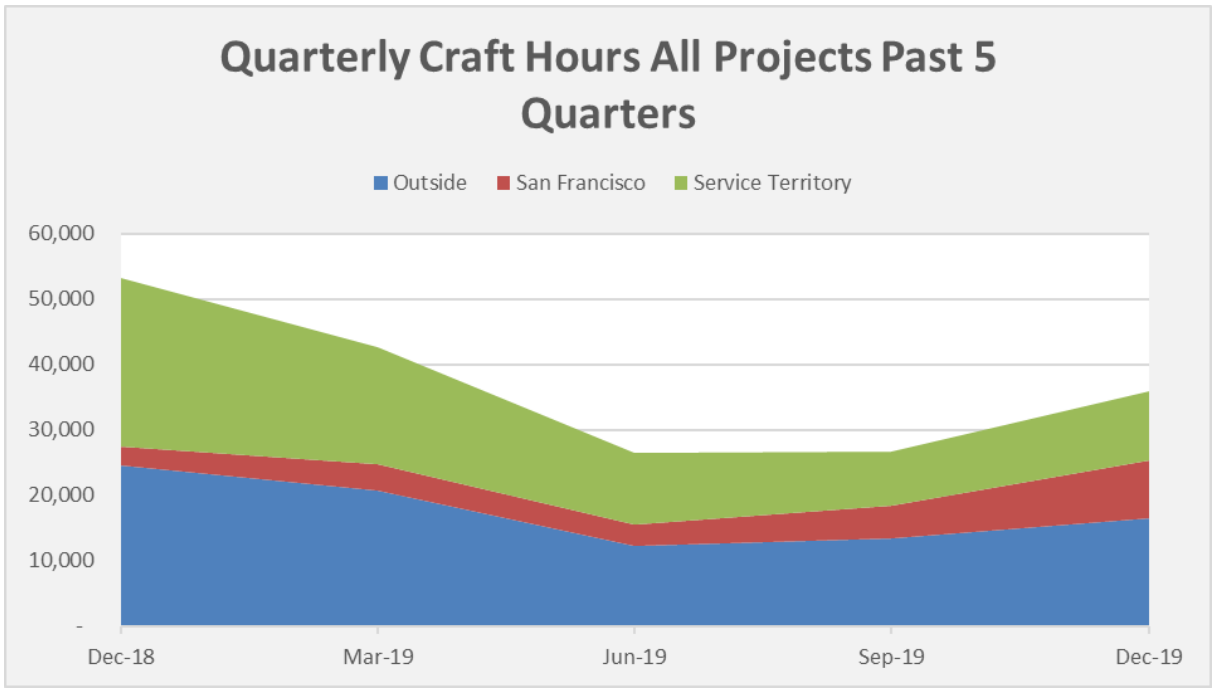
Worker Residence on the WSIP PLA

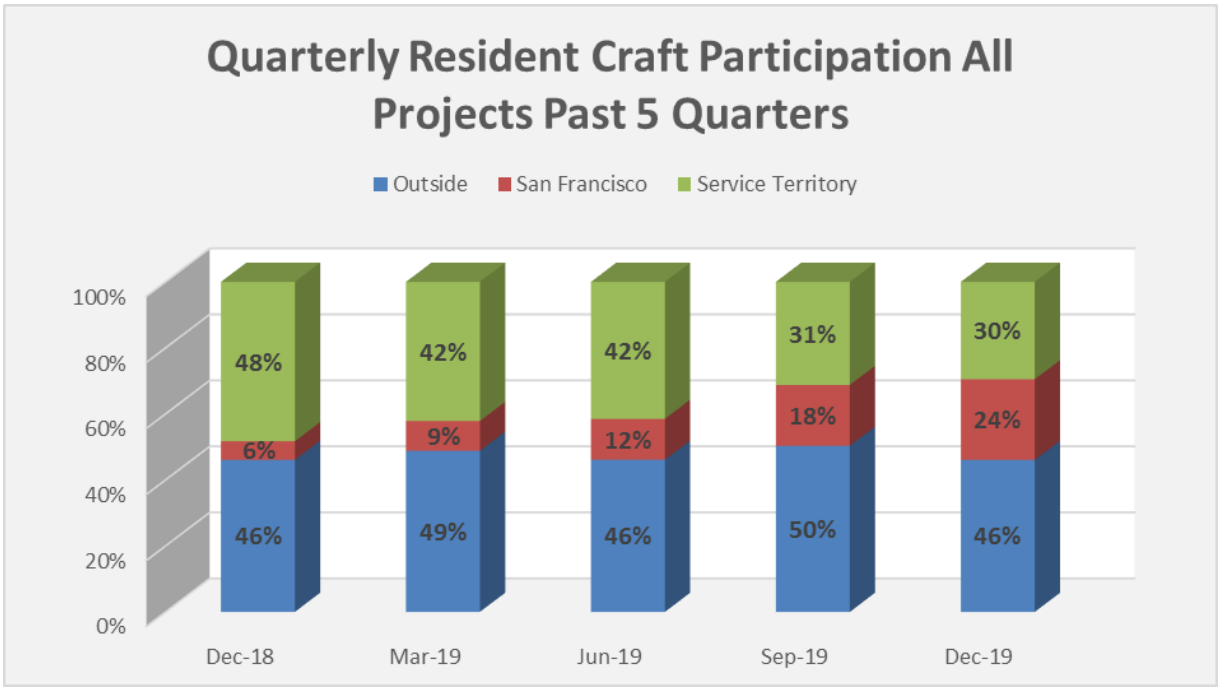
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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.

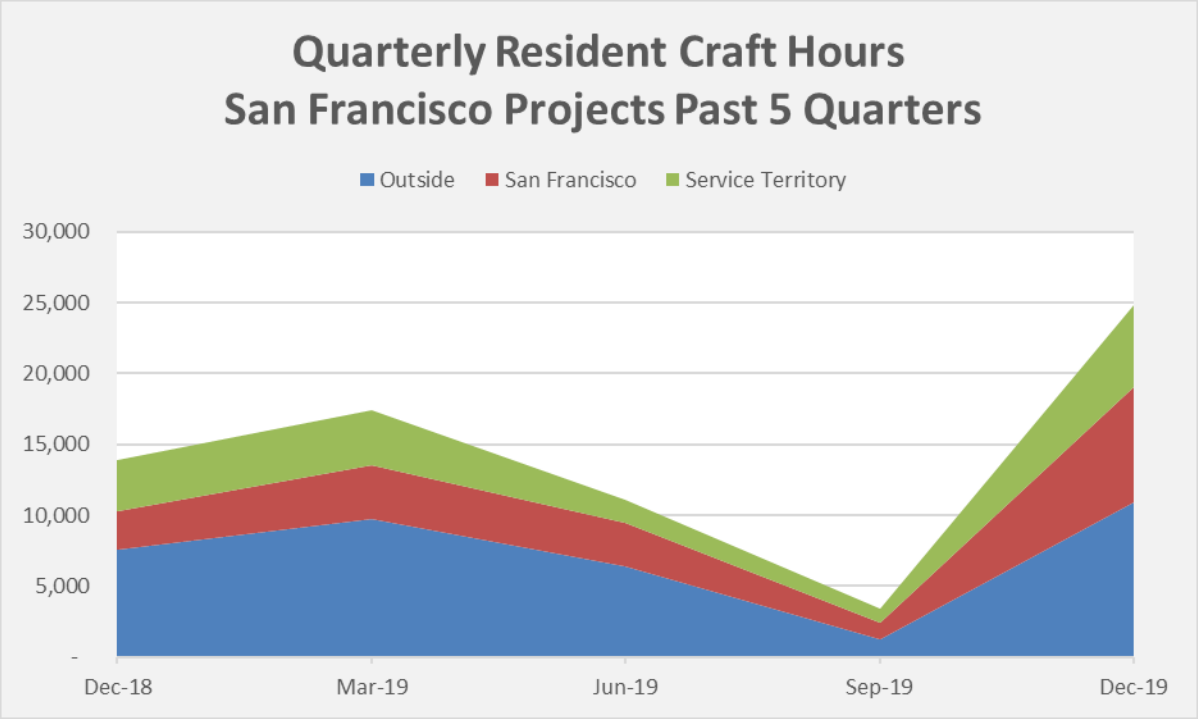


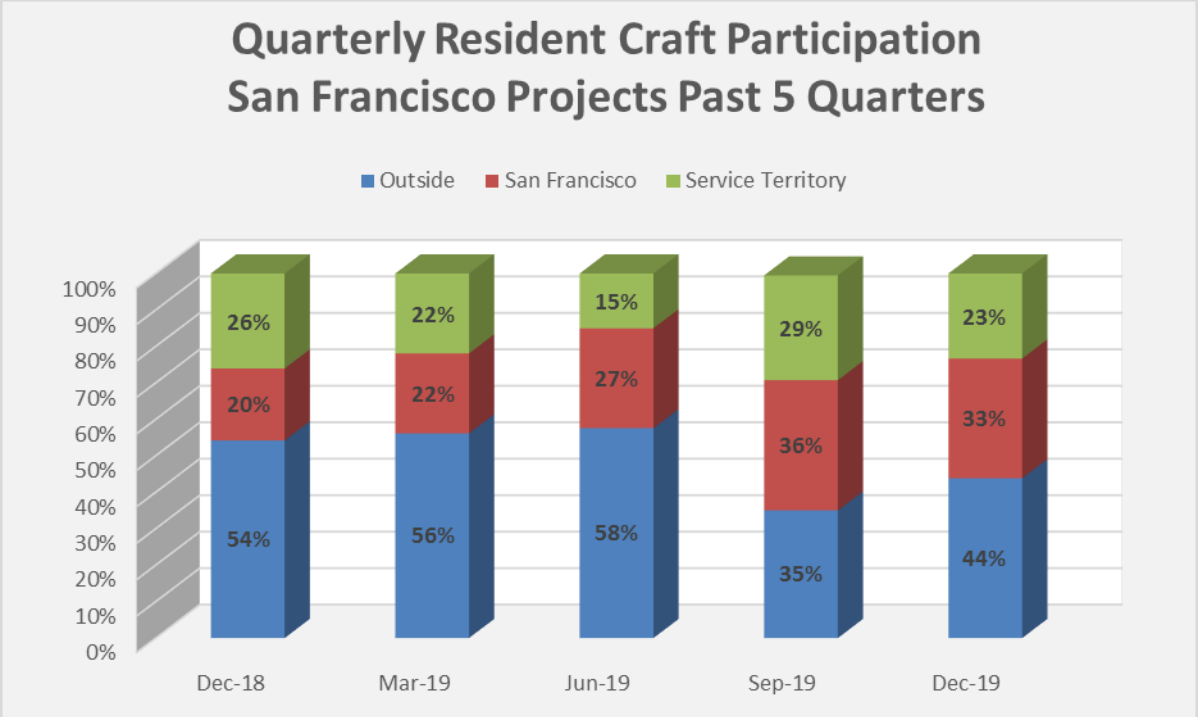
Residence on *ALL* WSIP PLA Projects - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



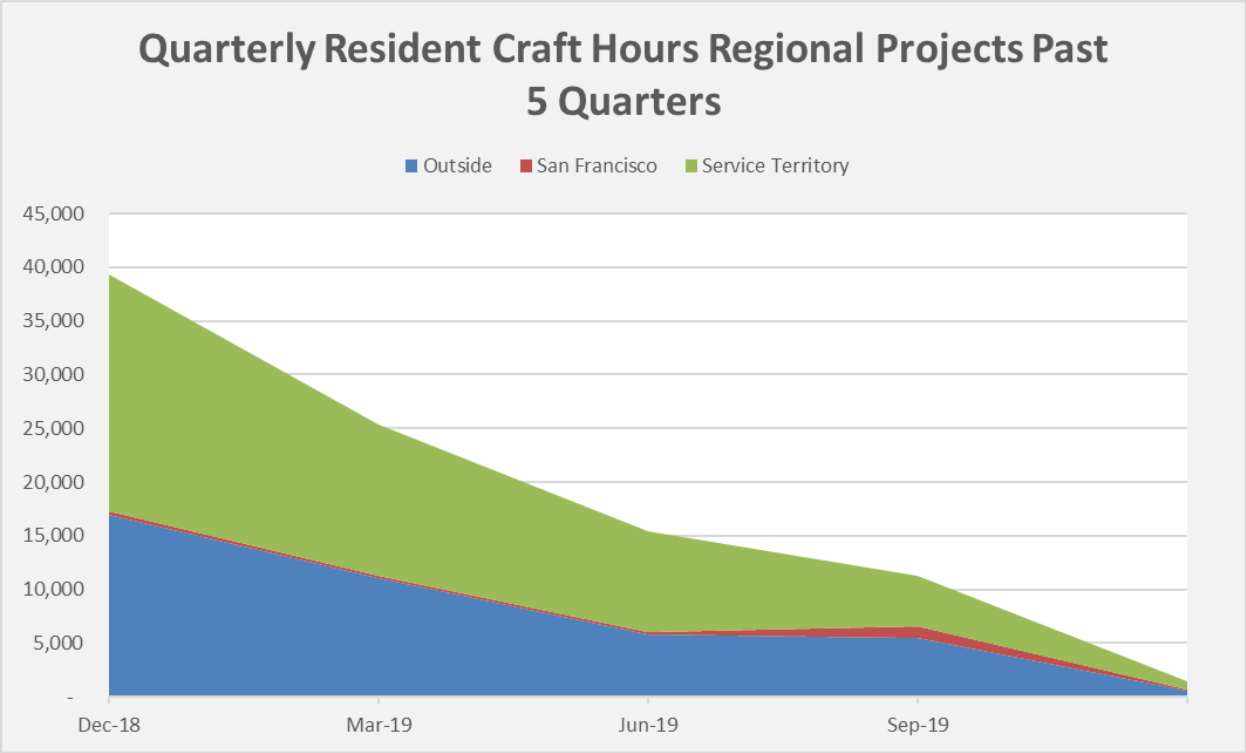


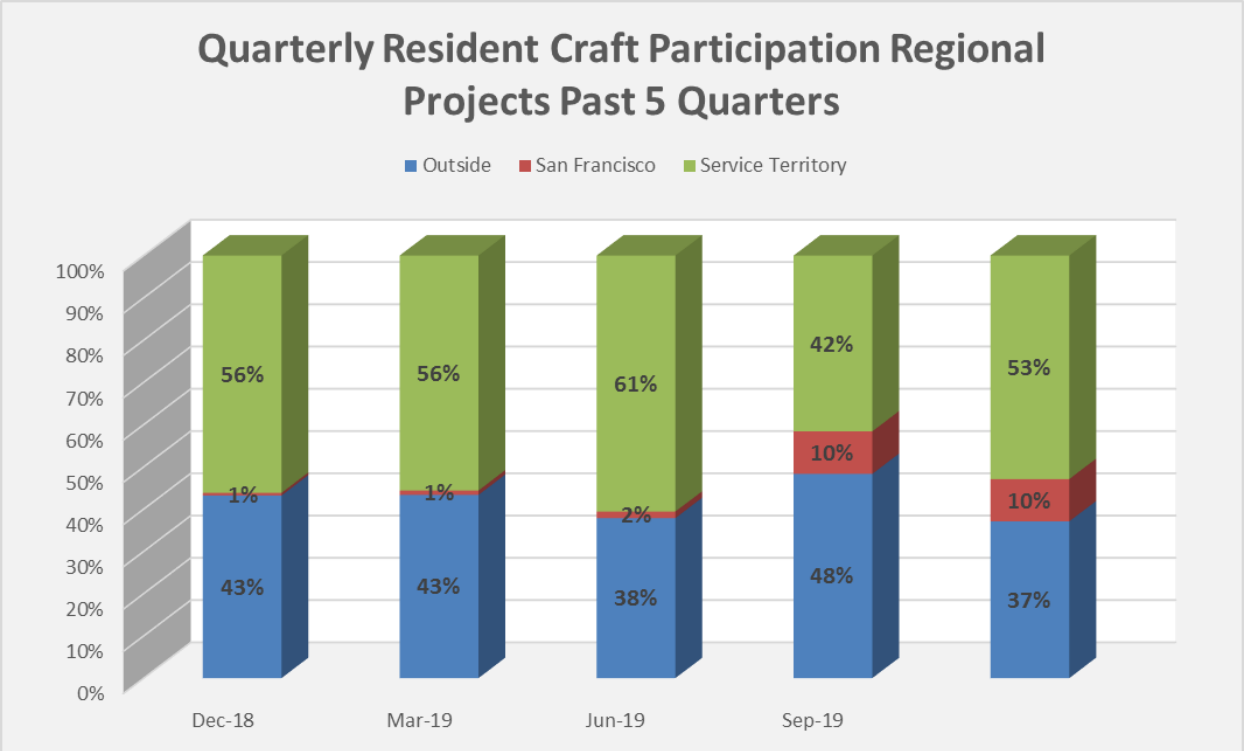
Residence on *San Francisco-located* WSIP PLA Projects - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





Residence *by County*

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence Inception Through December 31,2019					
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**

San Francisco Residents *by Zip Code*

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through December 31, 2019					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	116,298	$ 4,129,510	19.2%	219	56
94124	102,703	$ 4,062,197	17.0%	278	49
94116	84,261	$ 3,924,104	13.9%	85	41
94110	81,649	$ 2,862,894	13.5%	184	39
94134	40,730	$ 1,235,639	6.7%	120	20
94122	31,891	$ 1,478,681	5.3%	75	15
94103	23,903	$ 729,261	3.9%	38	11
94121	19,587	$ 779,956	3.2%	48	9
94118	14,929	$ 734,235	2.5%	21	7
94127	13,979	$ 591,839	2.3%	22	7
94132	10,833	$ 438,787	1.8%	35	5
94117	10,718	$ 291,982	1.8%	18	5
94107	9,562	$ 357,916	1.6%	31	5
94102	8,823	$ 386,798	1.5%	22	4
94131	6,815	$ 209,181	1.1%	25	3
94109	4,939	$ 156,479	0.8%	21	2
94133	4,683	$ 187,482	0.8%	10	2
94114	4,353	$ 189,922	0.7%	16	2
94108	3,416	$ 83,898	0.6%	7	2
94130	3,179	$ 67,807	0.5%	12	2
94115	2,748	$ 93,545	0.5%	26	1
94142	1,740	$ 68,149	0.3%	7	1
94111	915	$ 21,546	0.2%	3	0
94123	561	$ 28,323	0.1%	2	0
94104	523	$ 13,179	0.1%	2	0
94129	447	$ 14,182	0.1%	1	0
94105	410	$ 12,781	0.1%	4	0
94188	366	$ 9,790	0.1%	3	0
94140	288	$ 11,589	0.0%	1	0
94119	255	$ 7,976	0.0%	1	0
94147	162	$ 4,785	0.0%	1	0
94158	24	$ 697	0.0%	3	0
94125	21	$ 768	0.0%	1	0
94164	6	$ 264	0.0%	1	0
Total	**605,714**	**$ 23,186,143**	**100.0%**	**1,342**	**291**
WSIP-PLA Total	**8,610,498**	**$ 344,190,201**	**-**	**15,004**	**4,140**

Residence *by Craft*

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through December 31, 2019							
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%
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%
Tile Setter	351	-	344	7	0.0%	98.0%	2.0%
Tile Finisher	277	-	237	40	0.0%	85.6%	14.4%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	64	-	32	32	0.0%	50.0%	50.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
Total Apprenticeable	**5,197,899**	**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	1,123	-	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	**8,610,498**	**605,714**	**3,400,934**	**4,603,849**	**7.0%**	**39.5%**	**53.5%**

Residence *by Project*

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project
Craft Employment Summary Through December 31, 2019

Project	Total Hours	San Francisco Hours	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%	41.3%	52.1%
WD-2539 - University Mound Reservoir	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Al	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Stora	160,412	26,575	81,162	52,675	16.6%	50.6%	32.8%
WD-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%
WD-2629 - Seismic Upgrade of Bay Div	134,349	1,815	52,403	80,131	1.4%	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%	47.1%
WD-2498 - New Crystal Springs Bypass	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2%
HH-935B - San Joaquin Pipeline - West	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Cross	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2776 - SF Westside Recycled Wat	79,601	22,382	20,441	36,777	28.1%	25.7%	46.2%
WD-2575 - San Antonio Backup Pipelin	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir S	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound Sys	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply W	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1%
WD-2573 - Pulgas Balancing Reservoir	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2568 - BDPL Nos. 3&4 Crossover 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%	45.1%
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	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2809 - SF Groundwater Supply Pha	28,038	5,591	2,924	19,523	19.9%	10.4%	69.6%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Wat	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Ma	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bav Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station I	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
WD-2829R - San Andreas Pipeline No.	14,462	1,907	4,393	8,163	13.2%	30.4%	56.4%
HH-914R - Roselle Crossover Improvem	12,859	0	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restorat	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Da	6,530	196	2,954	3,380	3.0%	45.2%	51.8%
WD-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%
WD-2855 - Turner Dam Spillway and Pc	2,088	0	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
Total WSIP PLA	**8,610,498**	**605,714**	**3,400,934**	**4,603,849**	**7.0%**	**39.5%**	**53.5%**

Apprentice Utilization

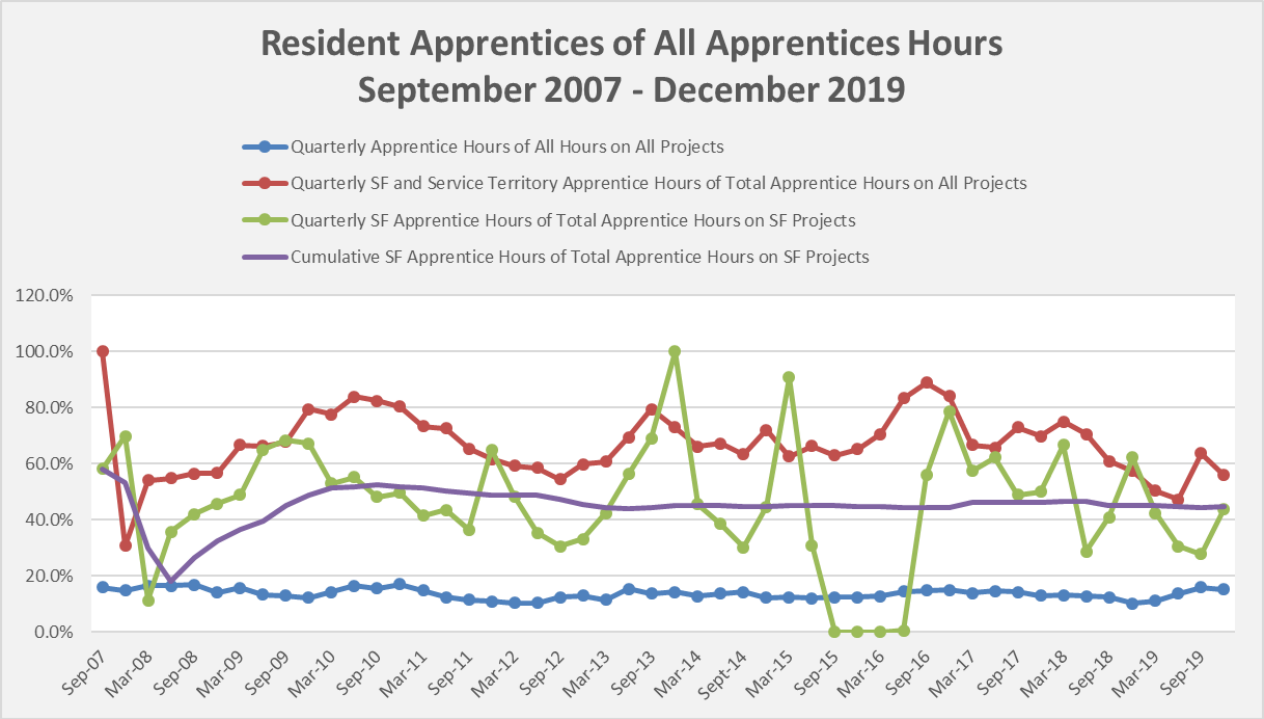
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

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.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,849,636	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%	18.7%
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%	23.1%
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%	18.0%
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%	74.8%
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%	88.8%
A - Sheet Metal Worker	20,795	3,182	293	1,860	1,030	15.3%	1.4%	8.9%	9.2%	58.5%	32.4%
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%	0.0%
A - Glazier	4,347	564	402	20	142	13.0%	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 Insul	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	5,197,899	677,657	126,092	318,403	233,162	13.0%	2.4%	6.1%	18.6%	47.0%	34.4%
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.

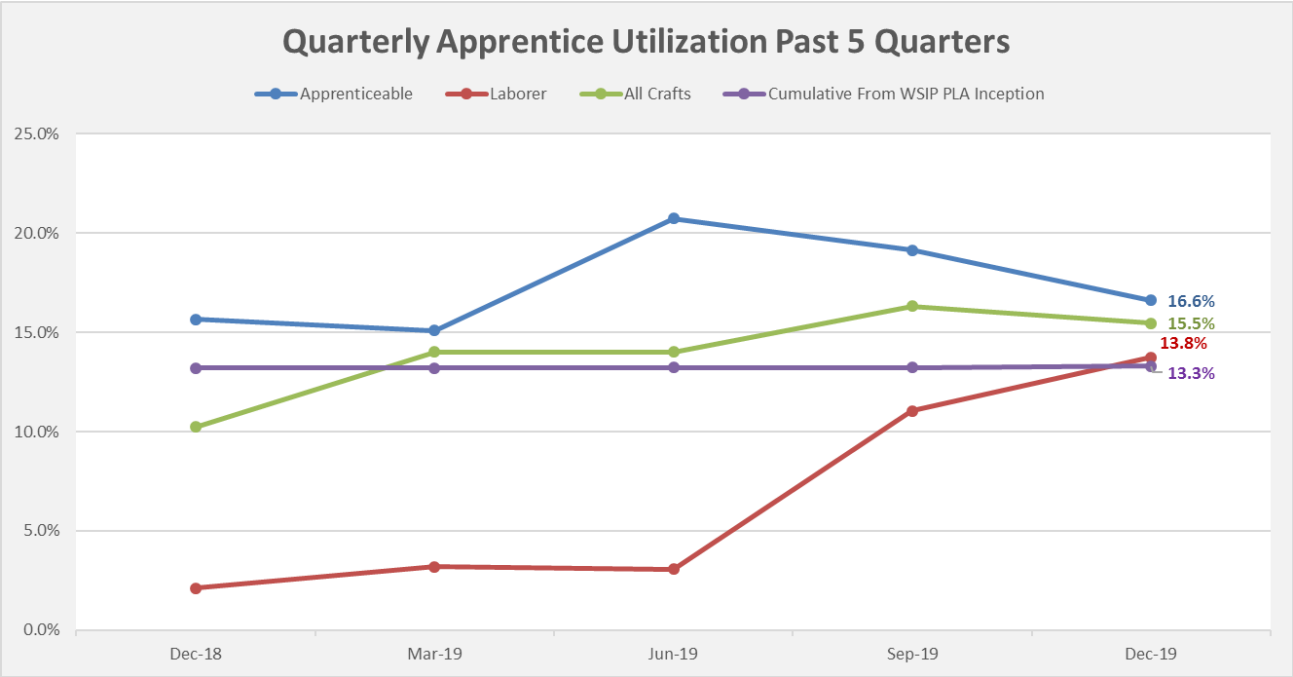


The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project
Inception Through December 31, 2019

Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
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 Nc	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%	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-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 Pec	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 Pipelii	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%	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	28,038	13,228	-	14,810	28,038	2,520	625	3,145	19.1%	4.2%	11.2%
WD-2797 - SF Westside Recyc	4,972	1,593	-	3,379	4,972	55	502	557	3.4%	14.9%	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%	11.0%
WD-2555 - Crystal Springs Pip	127,763	49,074	9,202	69,487	118,561	7,559	5,394	12,953	15.4%	7.8%	10.9%
WD-2548 - Lake Merced Pump	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	10.9%
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-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%	10.5%
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%	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 - 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	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	-	6,784	23,492	228	1,615	1,843	1.4%	23.8%	7.8%
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	79,535	492,226	14,153	18,238	32,391	3.4%	22.9%	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 Ter	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%
WSIP - Covered by PLA (57 Pr	**8,610,498**	**5,197,899**	**457,900**	**2,954,699**	**8,138,819**	**677,657**	**402,111**	**1,078,548**	**13.0%**	**13.6%**	**13.3%**

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.

WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary Tests Administered to Individuals Cleared to Work Through 12/31/2019	
Project	**Number Cleared**
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
WD-2668 - Regional Groundwater Storage and Recovery	265
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	226
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	214
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2513 - San Andreas Pipeline No.3 Installation Project	178
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
WD-2575 - San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	125
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Proiect	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bav 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	-
Total Cleared	**15,011**

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.

HETCH HETCHY
WATER SYSTEM IMPROVEMENT PROGRAM

Water System Improvement Program
Project Labor Agreement

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

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

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Executive Summary

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. 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.

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, 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.

Region of Worker Residence	Inception Through March 31, 2020			
	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.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending March 31, 2020			
	Worker Count	Sum of Hours	Sum 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

*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

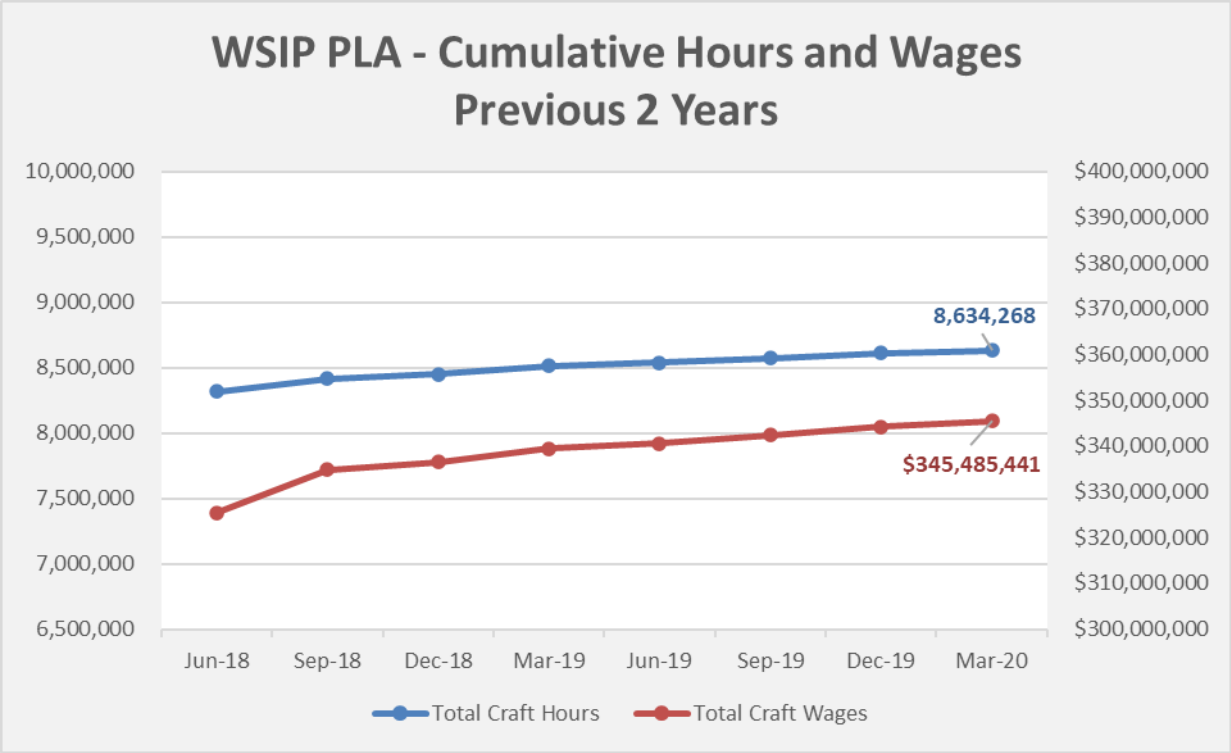
Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through March 31, 2020					
Award Date	**Contract No.**	**Prime Contractor**	**Project**	**Engineer's Estimate**	**Award $**
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	$20 Million	$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	$2.9 Million	$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch	$5.8 Million	$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	$29 to $34 Million	$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facil	$70 to 80 Million	$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	$11.2 Million	$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	$28.6 Million	$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Water	$30 Million	$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	$10.8 Million	$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	$16 Million	$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	$50 Million	$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	$13.6 Million	$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	$22.5 Million	$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	$34 to $38 Million	$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	$28 to $36 Million	$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	$2.7 Million	$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	$49 to $54 Million	$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Pc	$5.9 to $6.7 Million	$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	$2.4 Million	$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I	$3.6 to $4.2 Million	$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	$5.8 Million	$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	$13 Million	$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas	$6.4 Million	$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	$2.4 Million	$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	$52 to $57 Million	$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	$250 to $300 Million	$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	$220 to $245 Million	$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	$43 to $48 Million	$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	$70 Million	$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	$18 to $22 Million	$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	$100 to $130 Million	$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	$6.5 Million	$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	$230 to $260 Million	$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	$109 Million	$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	$21.6 Million	$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	$235 to $260 Million	$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	$62 to $69 Million	$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	$88 to $98 Million	$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	$10.6 Million	$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	$14 to $18 Million	$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	$8.5 to $9.5 Million	$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	$3.1 Million	$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	$20 to $25 Million	$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	$47 to $52 Million	$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	$45.5 Million	$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	$21.5 Million	$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	$52 to $60 Million	$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	$62.8 Million	$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	$15 to $18 Million	$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	$6 to $8 Million	$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	$55 to $65 Million	$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	$90 Million	$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	$15 to $18 Million	$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	$15 to $18 Million	$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	$5.5 to $7 Million	$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	$18 to $22 Million	$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	$5.7 Million	$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	$18 to $24 Million	$ 17,899,960
Total 58 Projects					**$ 2,216,344,430**

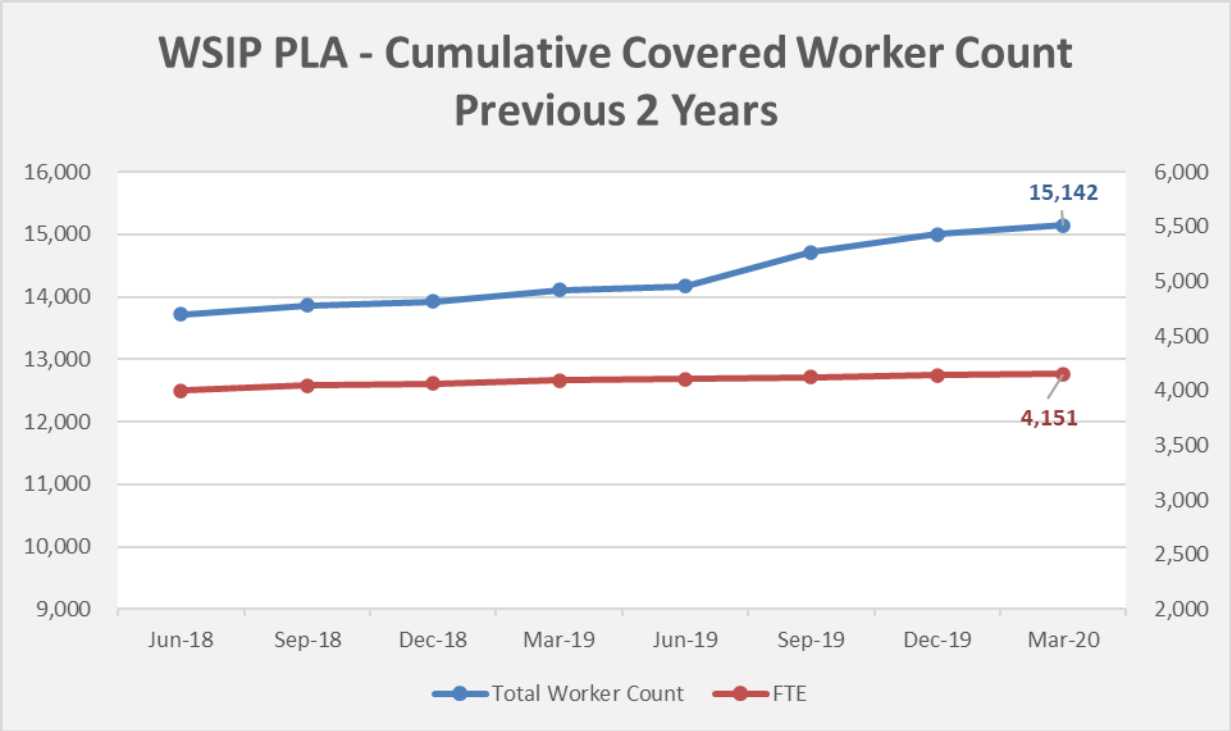
* indicates projects located in San Francisco

Summary Charts

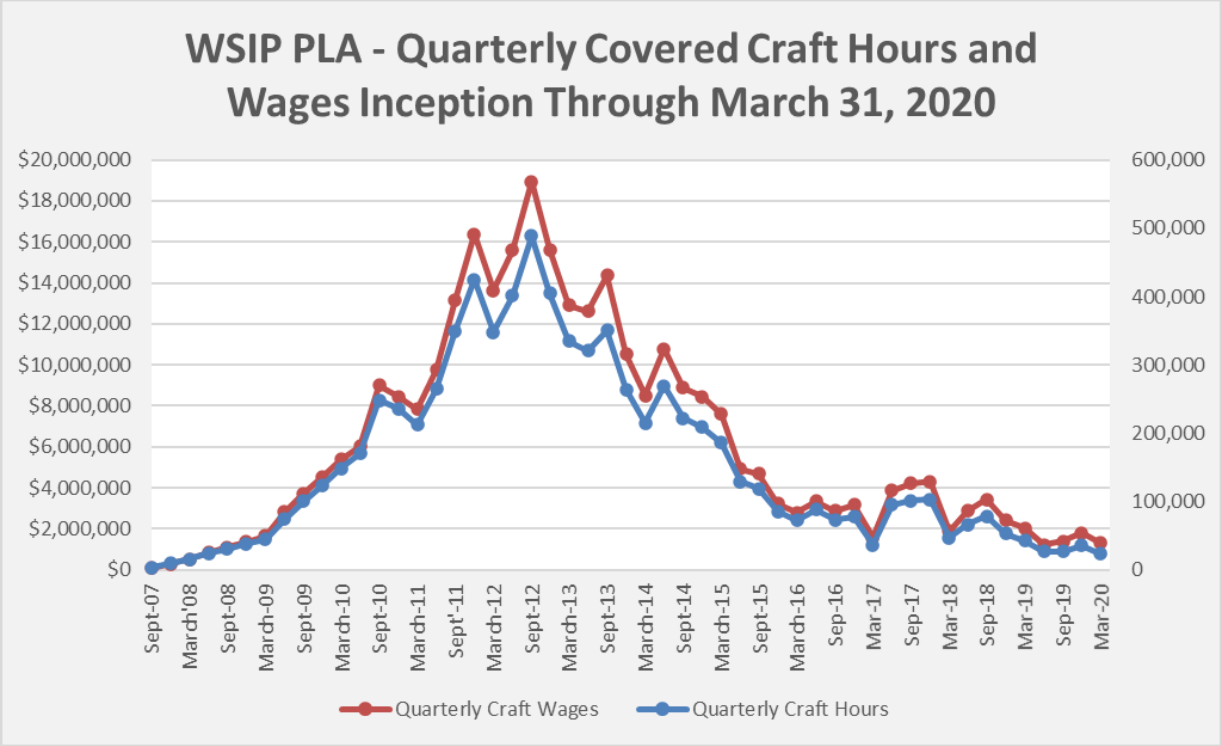
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending March 31, 2020; 15,004 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,610,498 craft hours and $344,190,201 in craft wages.

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

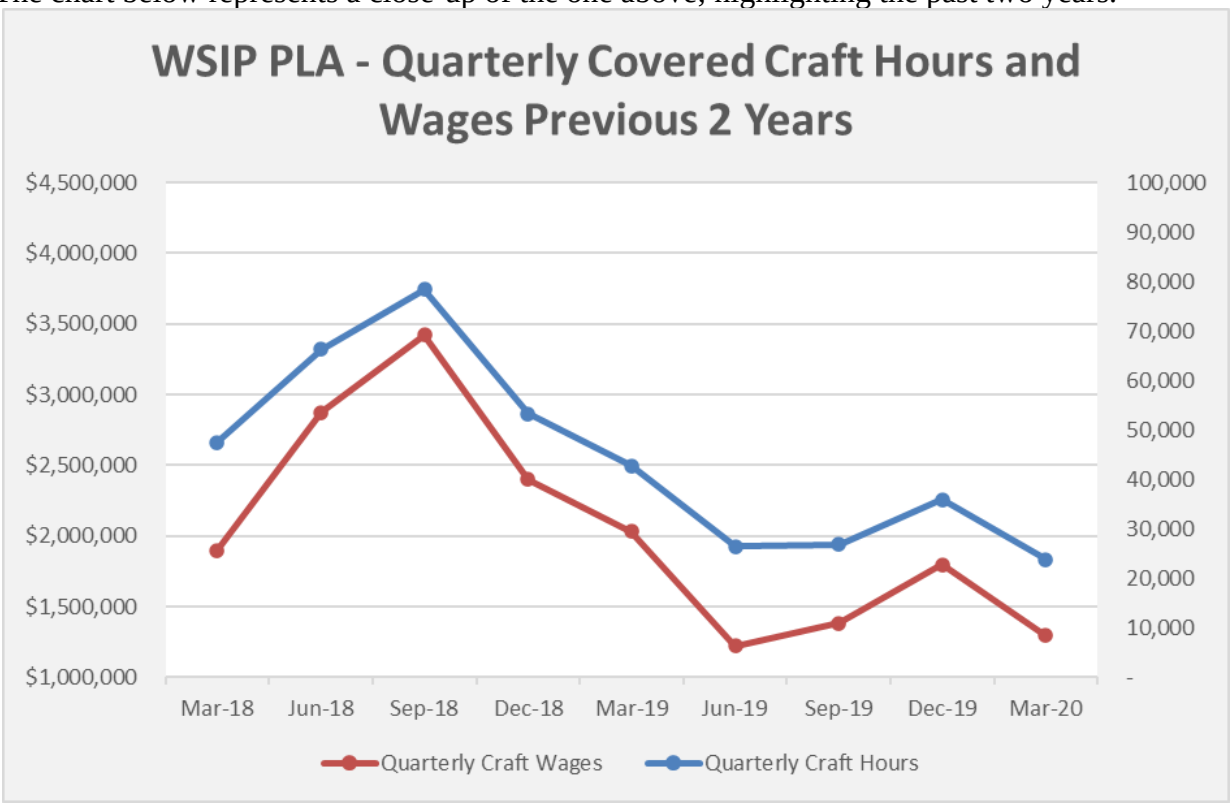




The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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

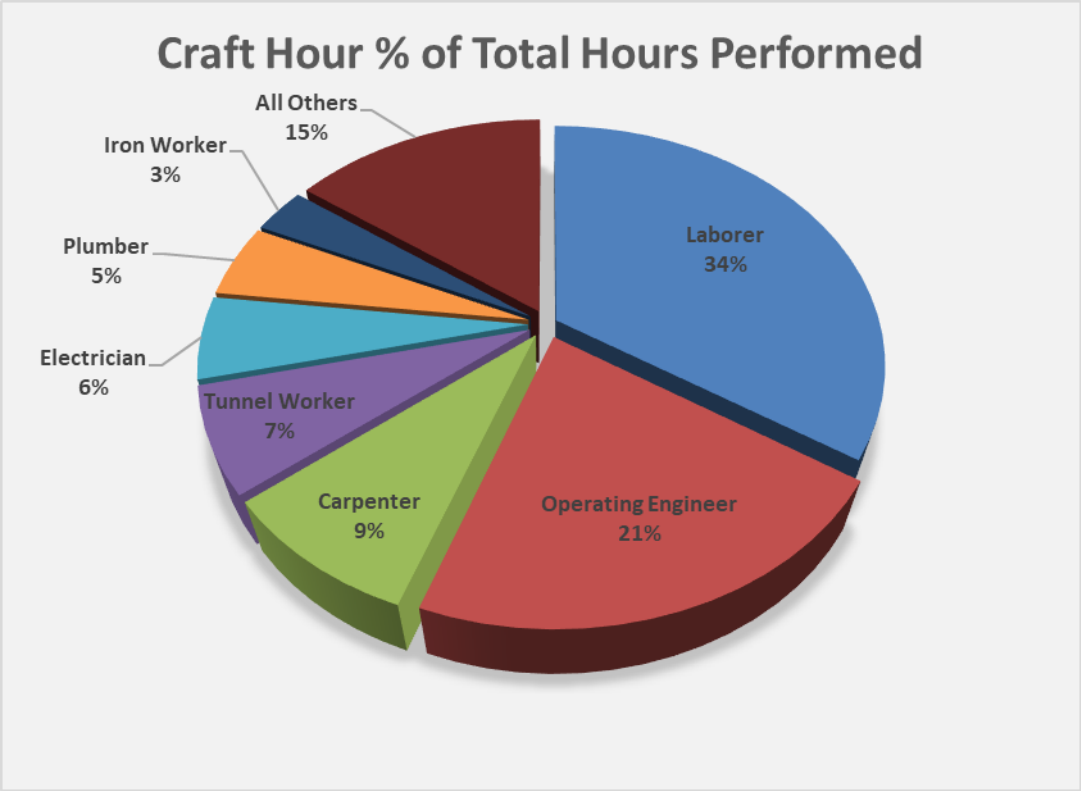
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

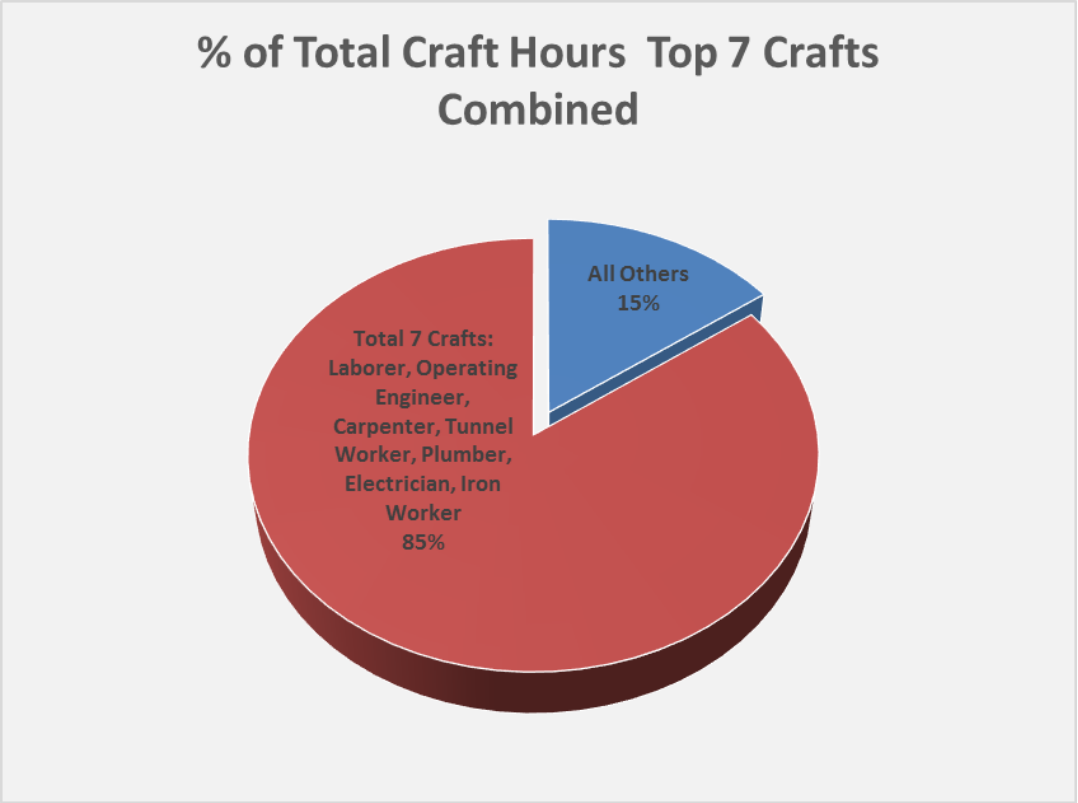
Sorted by Total Craft Hours

Cumulative Employment by Craft
Inception Through March 31, 2020

Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
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 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	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**

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.

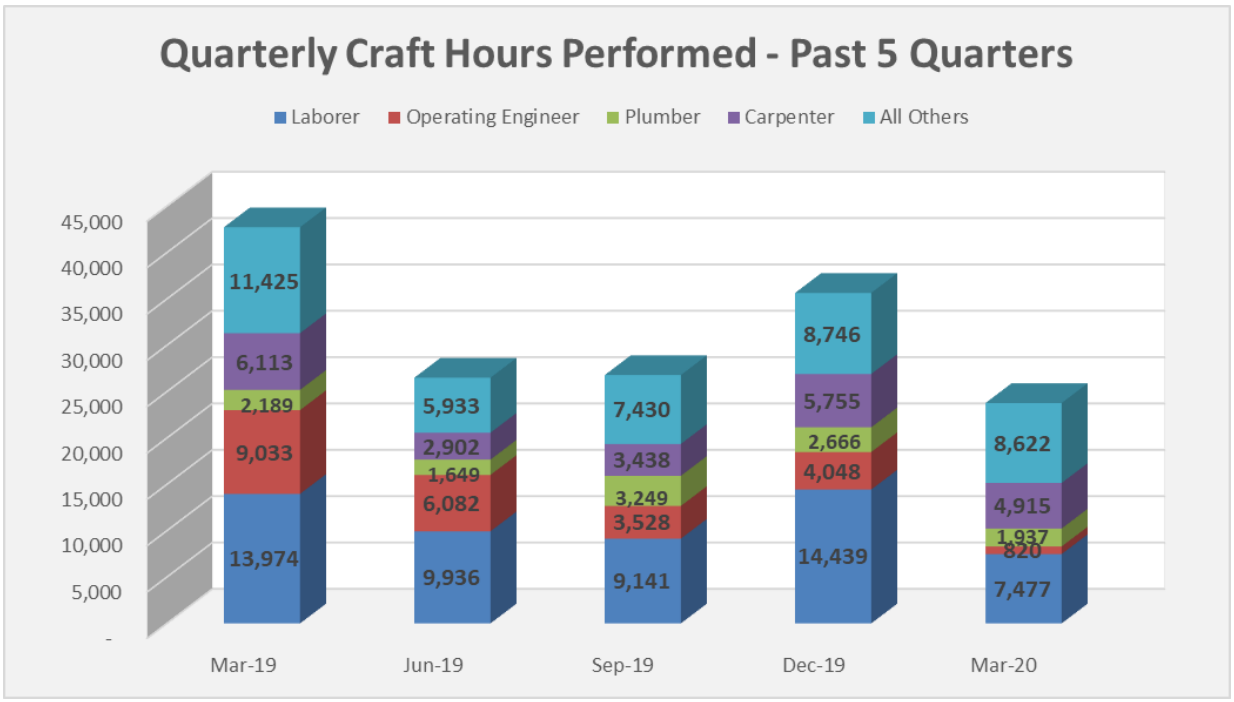


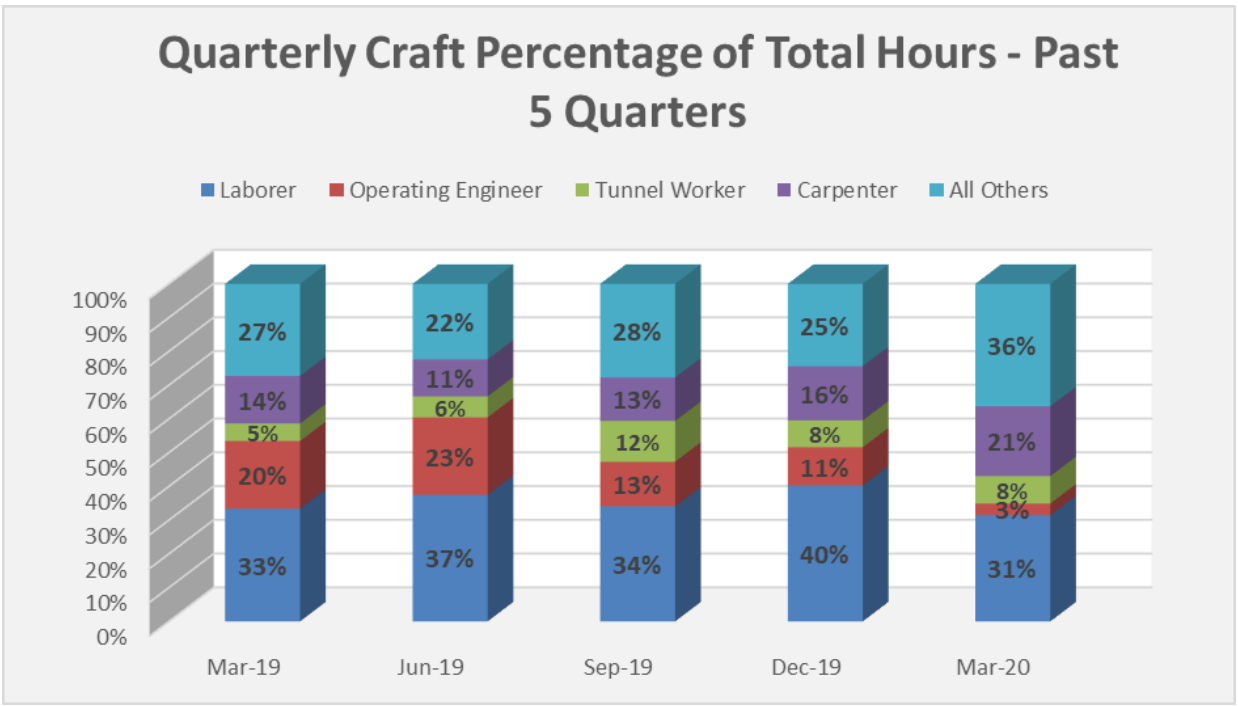


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 3-31-2020 Hours	Quarter Ending 3-31-2020 Wages
Laborer	2,960,157	$ 92,091,942	7,477	$ 315,749
Operating Engineer	1,850,456	$ 77,951,578	820	$ 48,468
Carpenter	755,728	$ 32,223,810	4,915	$ 287,442
Tunnel Worker	612,964	$ 26,175,557	-	$ -
Electrician	481,664	$ 25,653,757	3,212	$ 235,897
Plumber	430,931	$ 20,427,162	1,937	$ 140,376
Iron Worker	274,290	$ 9,515,742	1,994	$ 88,350
Pile Driver	181,764	$ 9,710,884	-	$ -
Painter	147,975	$ 5,798,613	76	$ 3,876
Cement Mason	128,208	$ 4,511,057	63	$ 1,971
Boilermaker	120,156	$ 6,376,759	-	$ -
Building/Construction Inspector	88,728	$ 4,999,687	42	$ 1,831
Roofer	49,013	$ 1,661,094	22	$ 973
Sheet Metal Worker	22,824	$ 1,137,157	2,029	$ 120,331
Field Surveyor	22,095	$ 1,262,291	26	$ 1,235
Drywall Installer/Lather	10,863	$ 461,330	-	$ -
Plasterer	10,137	$ 370,979	858	$ 34,617
Bricklayer	8,875	$ 340,166	255	$ 11,027
Electrical Utility Lineman	6,909	$ 425,367	-	$ -
Glazier	4,393	$ 217,923	46	$ 3,095
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	-	$ -
	8,174,349	**321,595,631**	**23,770**	**1,295,240**
Teamster	136,065	$ 6,427,969	-	$ -
Driver (On/Off-Hauling To/From Construction Site)	98,483	$ 7,354,816	-	$ -
Operating Engineer (Heavy And Highway Work) (Specia	95,289	$ 4,512,513	-	$ -
Tunnel/Underground (Operating Engineer-Heavy And Hig	79,393	$ 3,676,393	-	$ -
Asbestos Removal Worker (Laborer)	17,057	$ 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	1,131	$ 32,404	-	$ -
Steel Erector And Fabricator (Operating Engineer - Heat	1,123	$ 56,467	-	$ -
Traffic Control/Lane Closure (Laborer)	888	$ 31,991	-	$ -
Dredger Operating Engineer	831	$ 33,307	-	$ -
Operating Engineer (Building Construction)	635	$ 24,810	-	$ -
Slurry Seal Worker	592	$ 17,811	-	$ -
Parking And Highway Improvement Painter (Painter)	247	$ 10,082	-	$ -
Ironworker (Db)	80	$ 2,772	-	$ -
Teamster (Special Single Shift Rate)	11	$ 291	-	$ -
Total Non-Apprenticeable	**459,919**	**$ 23,889,810**	**-**	**$ -**
Total Apprenticable	**8,174,349**	**$ 321,595,631**	**23,770**	**$ 1,295,240**
Total WSIP PLA	**8,634,268**	**$ 345,485,441**	**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.

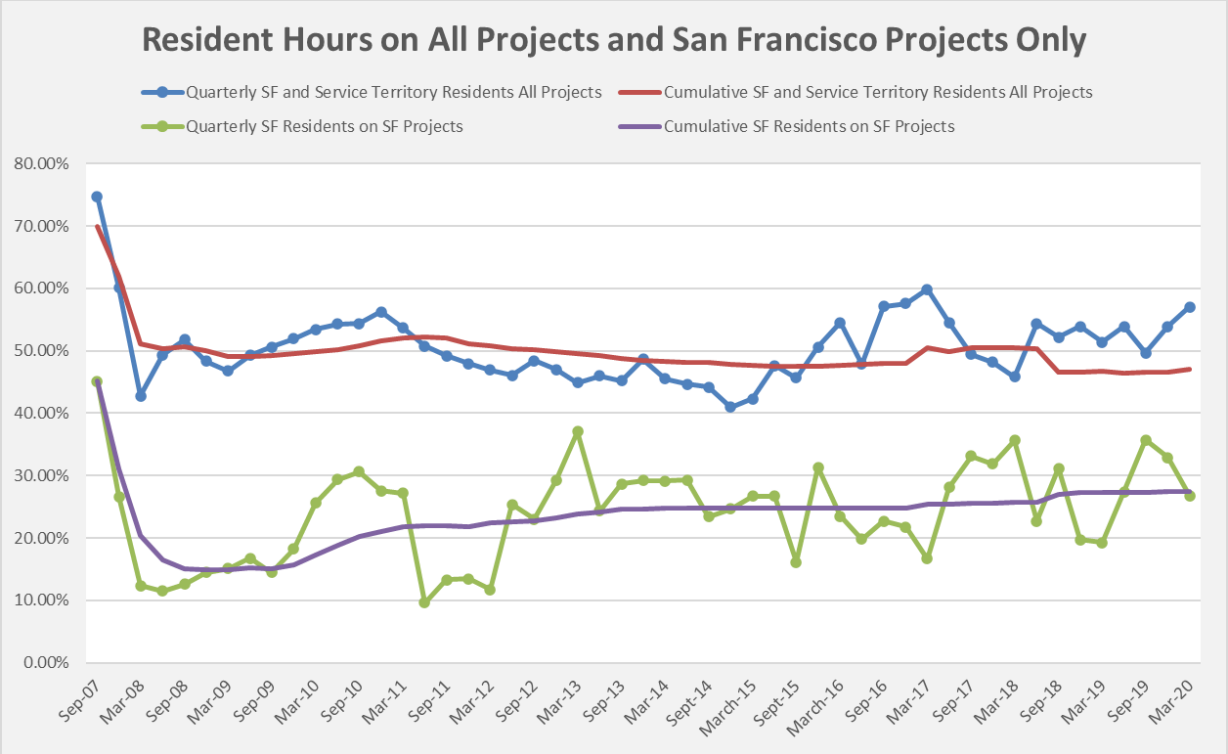




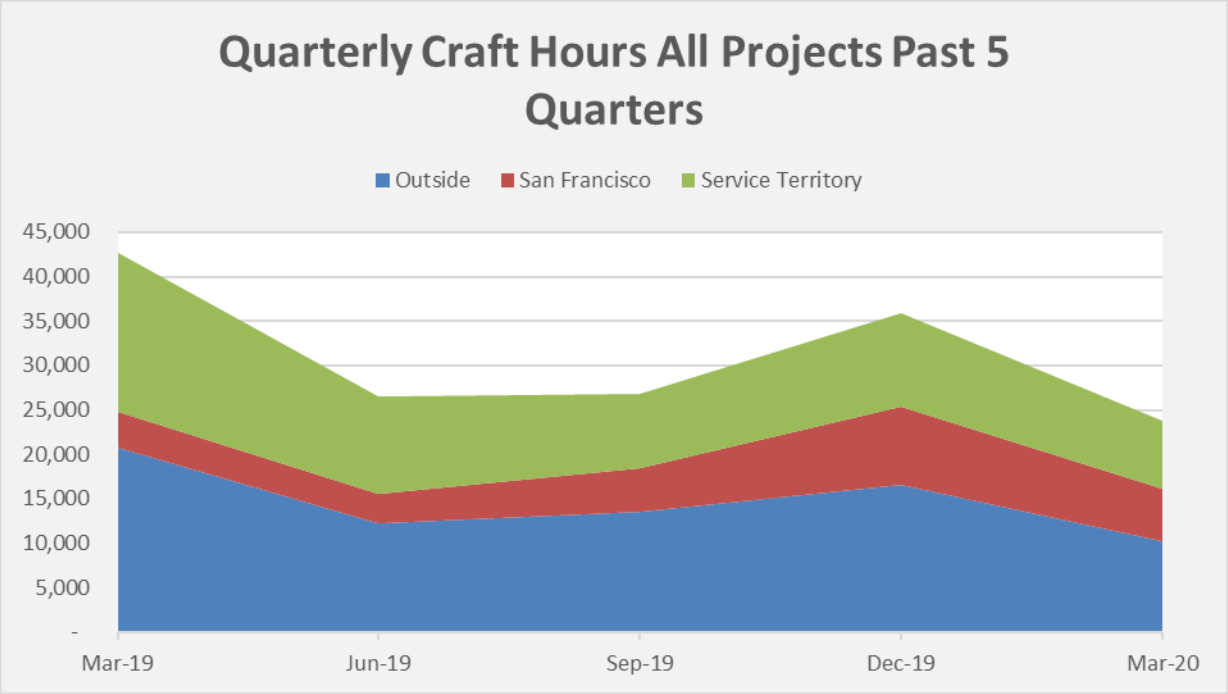
Worker Residence on the WSIP PLA

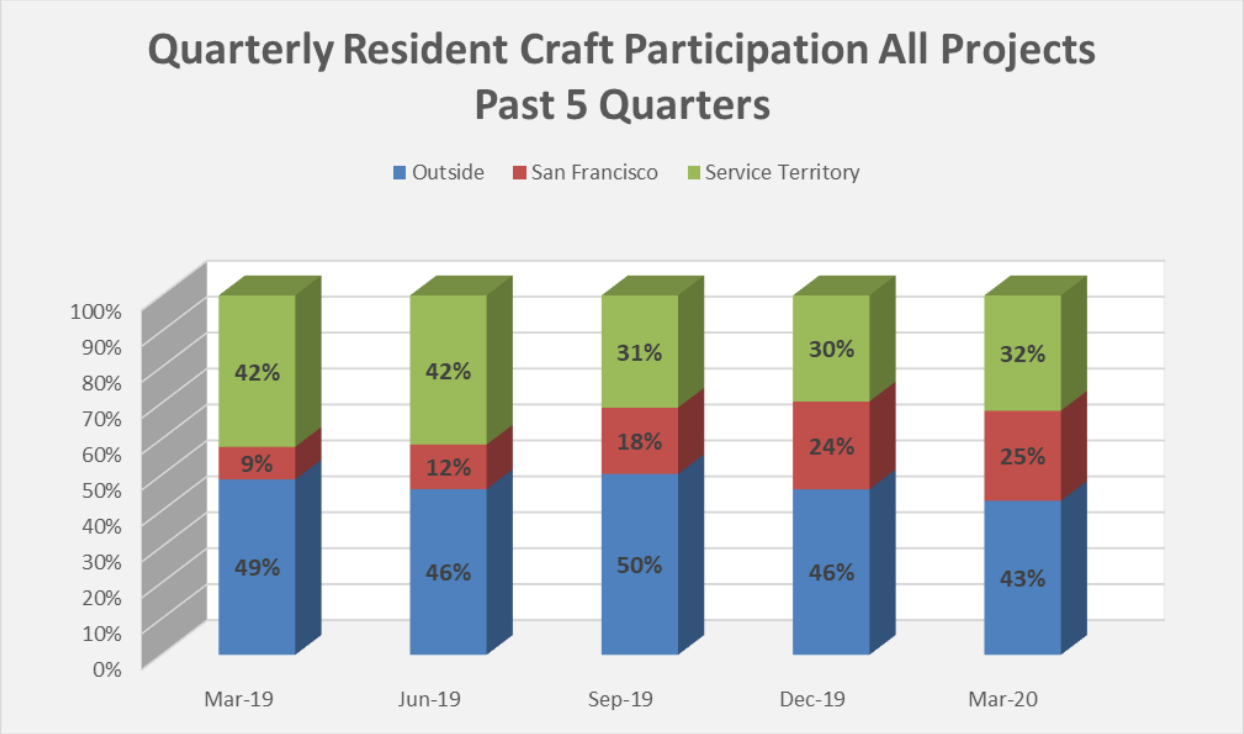
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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.

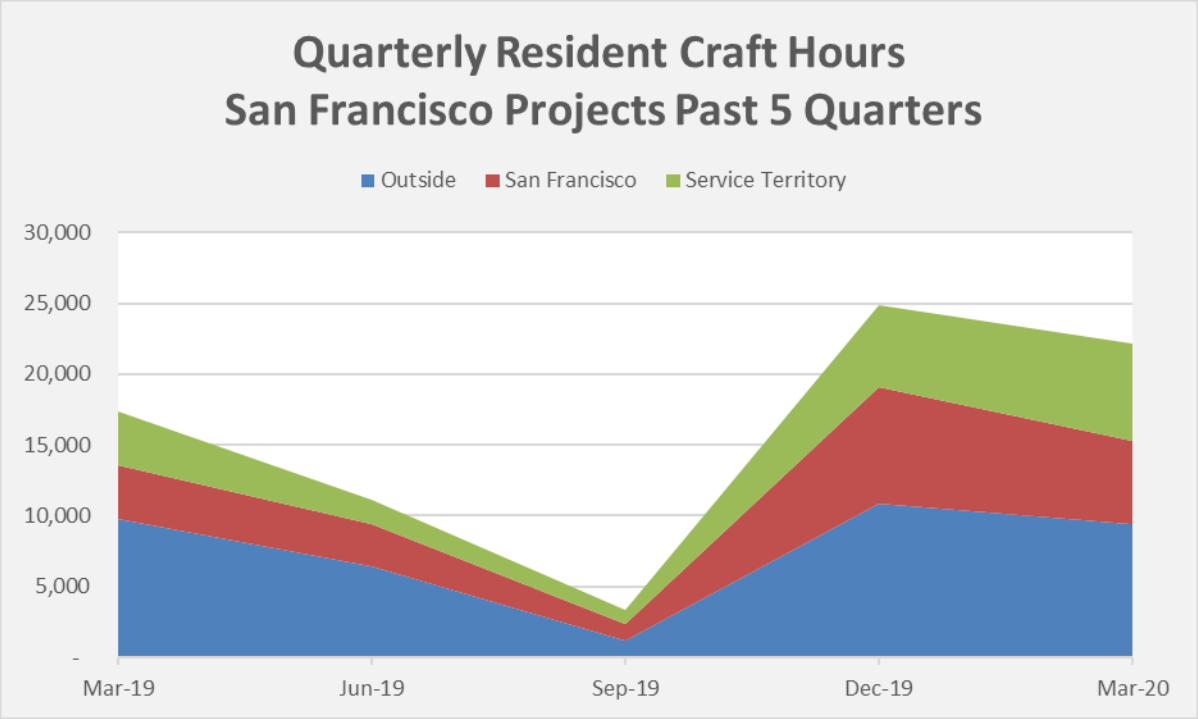


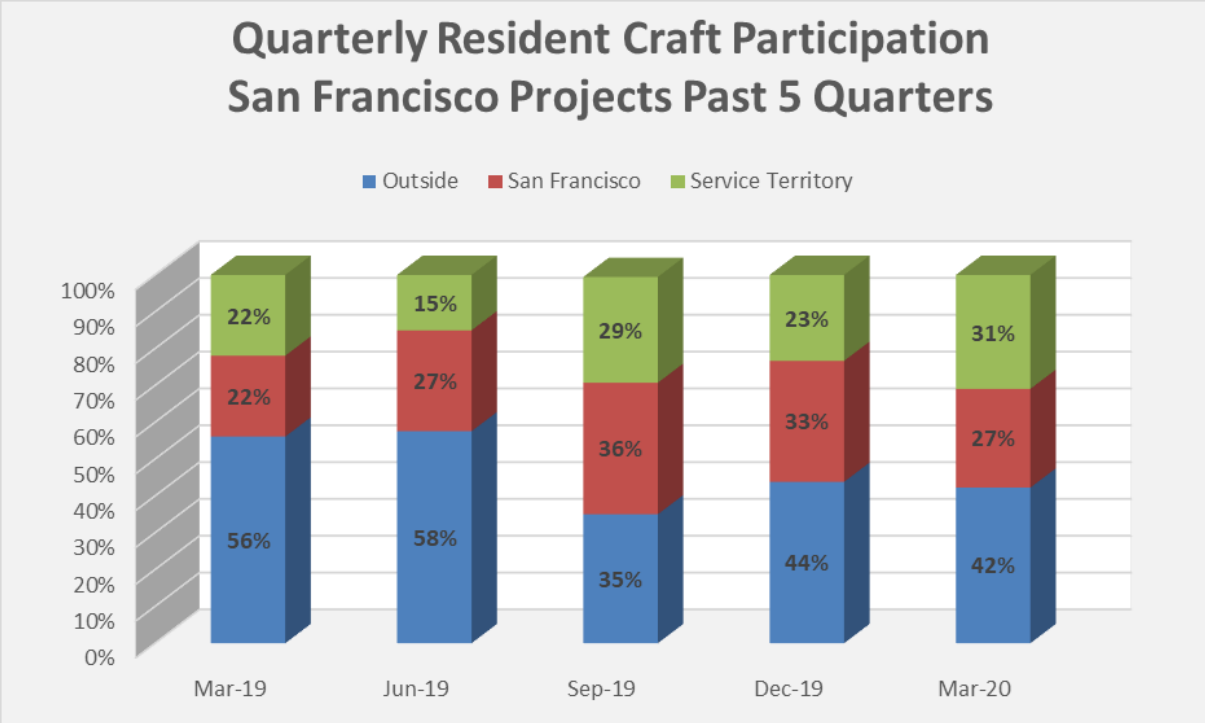
Residence on *ALL* WSIP PLA Projects - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



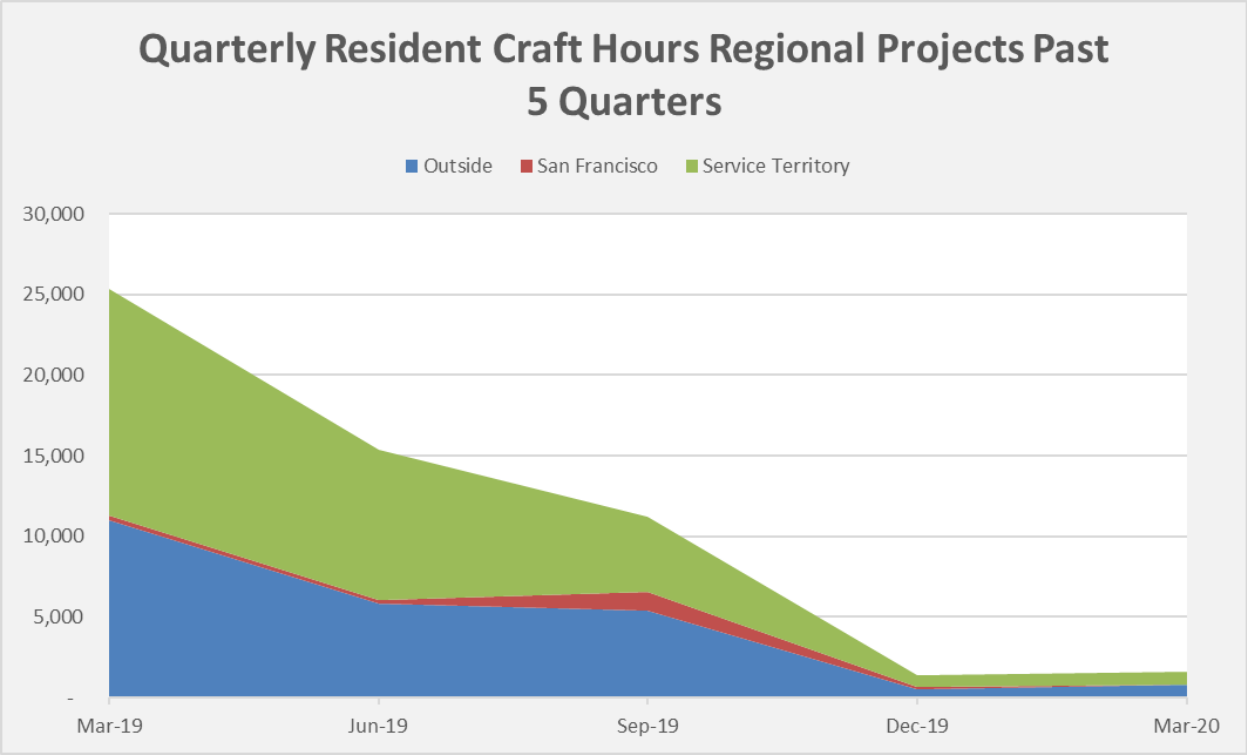


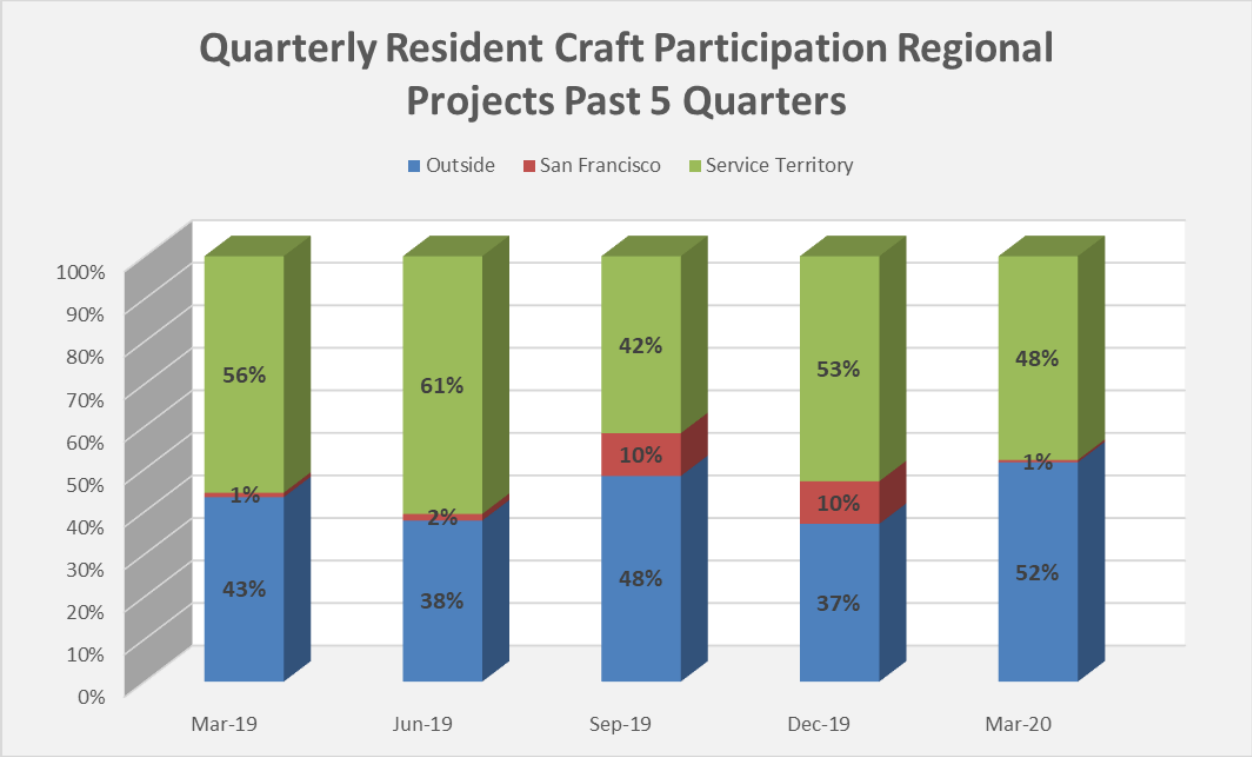
Residence on *San Francisco-located* WSIP PLA Projects - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





Residence *by County*

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**

San Francisco Residents *by Zip Code*

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through March 31, 2020					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	117,522	$ 4,188,920	19.2%	224	57
94124	103,777	$ 4,111,384	17.0%	280	50
94116	84,686	$ 3,942,794	13.8%	87	41
94110	82,064	$ 2,885,868	13.4%	185	39
94134	40,746	$ 1,236,143	6.7%	120	20
94122	32,583	$ 1,522,764	5.3%	75	16
94103	23,903	$ 729,261	3.9%	38	11
94121	19,716	$ 787,969	3.2%	50	9
94118	14,929	$ 734,235	2.4%	21	7
94127	14,320	$ 619,102	2.3%	23	7
94132	10,896	$ 440,759	1.8%	35	5
94117	10,718	$ 291,982	1.8%	18	5
94107	9,586	$ 358,962	1.6%	31	5
94102	8,852	$ 387,998	1.4%	23	4
94131	6,823	$ 209,441	1.1%	25	3
94133	5,409	$ 215,867	0.9%	10	3
94109	4,988	$ 158,503	0.8%	22	2
94114	4,460	$ 196,487	0.7%	16	2
94108	3,424	$ 84,151	0.6%	7	2
94115	3,215	$ 117,395	0.5%	27	2
94130	3,179	$ 67,807	0.5%	12	2
94142	1,740	$ 68,149	0.3%	7	1
94111	915	$ 21,546	0.1%	3	0
94123	685	$ 33,250	0.1%	3	0
94104	523	$ 13,179	0.1%	2	0
94129	447	$ 14,182	0.1%	1	0
94105	442	$ 13,968	0.1%	4	0
94188	366	$ 9,790	0.1%	3	0
94140	288	$ 11,589	0.0%	1	0
94119	255	$ 7,976	0.0%	1	0
94147	162	$ 4,785	0.0%	1	0
94158	24	$ 697	0.0%	3	0
94125	21	$ 768	0.0%	1	0
94164	6	$ 264	0.0%	1	0
Total	**611,668**	**$ 23,487,934**	**100.0%**	**1,358**	**294**
WSIP-PLA Total	**8,634,268**	**$ 345,485,441**	**-**	**15,004**	**4,151**

Residence *by Craft*

Sorted by Total Hours

Cumulative Employment of Residents By Craft
Inception Through 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	351	-	344	7	0.0%	98.0%	2.0%
Tile Finisher	277	-	237	40	0.0%	85.6%	14.4%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	64	-	32	32	0.0%	50.0%	50.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
Total Apprenticeable	**5,214,192**	**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*

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project
Craft Employment Summary Through March 31, 2020

Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam 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%	41.3%	52.1%
WD-2539 - University Mound Reservoir	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Al	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Stora	160,977	26,584	81,666	52,727	16.5%	50.7%	32.8%
WD-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%
WD-2629 - Seismic Upgrade of Bay Div	134,349	1,815	52,403	80,131	1.4%	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%	47.1%
WD-2498 - New Crystal Springs Bypass	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2%
HH-935B - San Joaquin Pipeline - West	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
WD-2776 - SF Westside Recycled Wat	95,066	26,091	24,526	44,449	27.4%	25.8%	46.8%
HH-935A - San Joaquin Pipeline - Cross	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipelin	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir S	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound Sys	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply W	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1%
WD-2573 - Pulgas Balancing Reservoir	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2568 - BDPL Nos. 3&4 Crossover 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%	45.1%
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	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2809 - SF Groundwater Supply Pha	29,298	5,826	3,004	20,468	19.9%	10.3%	69.9%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Wat	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Ma	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bav Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station I	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
WD-2829R - San Andreas Pipeline No.	14,462	1,907	4,393	8,163	13.2%	30.4%	56.4%
HH-914R - Roselle Crossover Improvem	12,859	-	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restorat	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2797 - SF Westside Recycled Wat	10,414	4,654	3,856	1,904	44.7%	37.0%	18.3%
WD-2822R2 - Lower Crystal Springs Da	7,567	196	3,217	4,154	2.6%	42.5%	54.9%
WD-2600 - Regional Groundwater Stora	6,088	-	296	5,792	0.0%	4.9%	95.1%
WD-2855 - Turner Dam Spillway and Po	2,088	-	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
Total WSIP PLA	**8,634,268**	**611,668**	**3,408,559**	**4,614,041**	**7.1%**	**39.5%**	**53.4%**

Apprentice Utilization

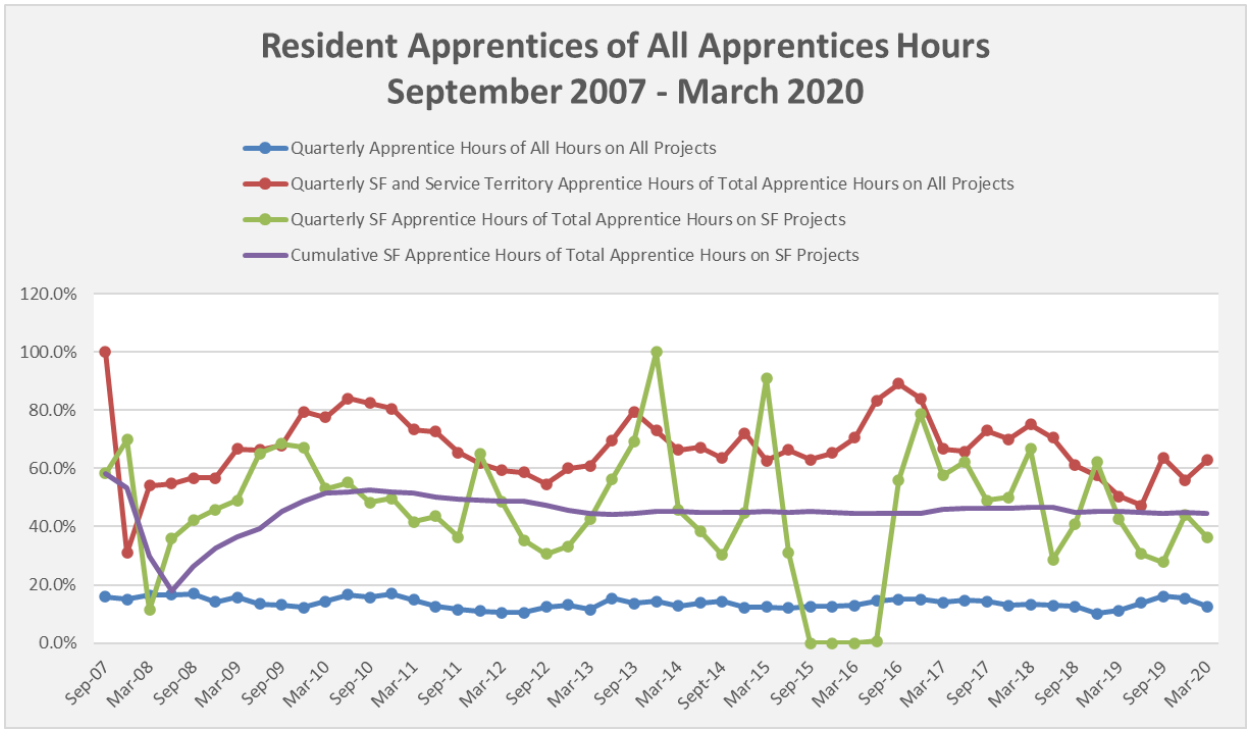
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

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

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,850,456	209,038	25,334	86,299	97,406	11.3%	1.4%	4.7%	12.1%	41.3%	46.6%
A - Carpenter	755,728	121,228	31,682	56,843	32,703	16.0%	4.2%	7.5%	26.1%	46.9%	27.0%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	481,664	91,974	11,226	63,309	17,440	19.1%	2.3%	13.1%	12.2%	68.8%	19.0%
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%	5.4%	24.0%	52.9%	23.1%
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%
A - Building/Construction Inspector	88,728	5,048	17	1,254	3,777	5.7%	0.0%	1.4%	0.3%	24.8%	74.8%
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	22,824	3,474	293	2,145	1,037	15.2%	1.3%	9.4%	8.4%	61.7%	29.8%
A - Field Surveyor	22,095	734	11	71	652	3.3%	0.0%	0.3%	1.5%	9.7%	88.8%
A - Drywall Installer/Lather	10,863	481	68	283	130	4.4%	0.6%	2.6%	14.1%	58.8%	27.0%
A - Plasterer	10,137	347	136	-	211	3.4%	1.3%	0.0%	39.2%	0.0%	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 Insul	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	5,214,192	680,267	126,837	319,162	234,268	13.0%	2.4%	6.1%	18.6%	46.9%	34.4%
A - Laborer	2,960,157	402,499	46,359	259,975	96,165	13.6%	1.6%	8.8%	11.5%	64.6%	23.9%
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.

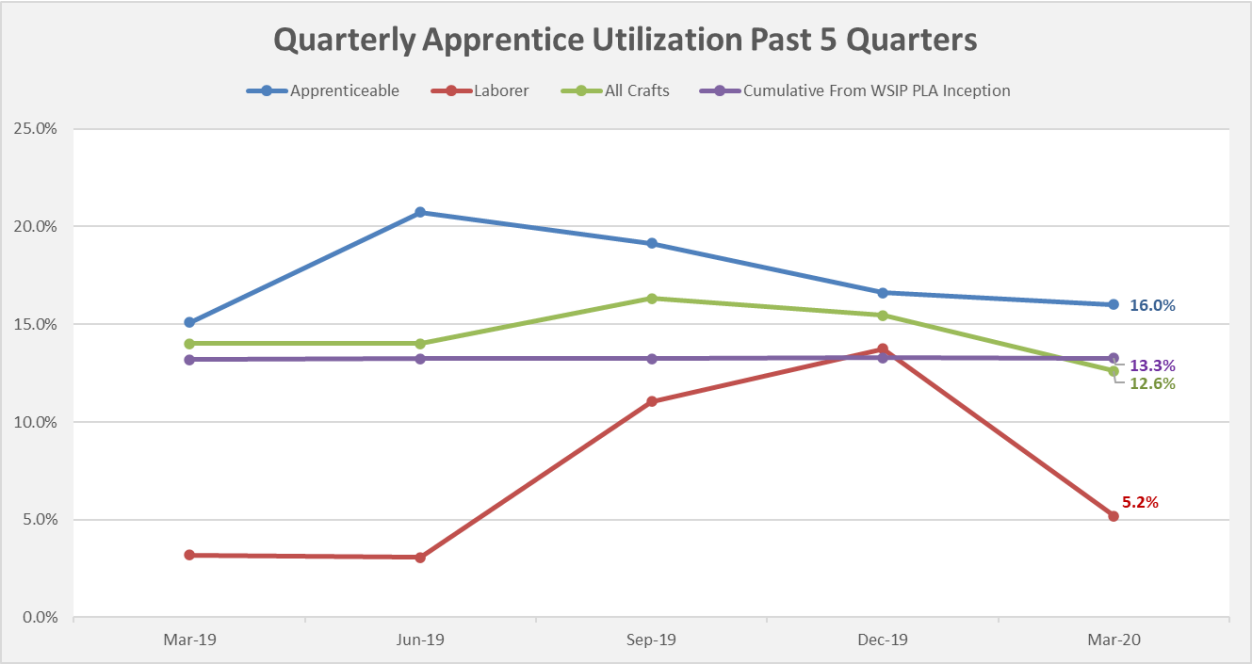


The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project
Inception Through March 31, 2020

Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - 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 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	0.0%	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 Springs	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-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-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 Pec	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 Pipelir	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	0.0%	7.8%	11.0%
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-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 Pipelin	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	10.8%
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-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 - 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	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 Ter	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%
WSIP - Covered by PLA (57 Pr	**8,634,268**	**5,214,192**	**457,900**	**2,960,157**	**8,160,570**	**680,267**	**402,499**	**1,081,546**	**13.0%**	**13.6%**	**13.3%**

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.

WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary Tests Administered to Individuals Cleared to Work Through 3/31/2020	
Project	**Number Cleared**
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-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
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2513 - San Andreas Pipeline No.3 Installation Project	178
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
WD-2575 - San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	125
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Proiect	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-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
WD-2640 - Bioregional Habitat Restoration	-
Total Cleared	**15,049**

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.

HETCH HETCHY
WATER SYSTEM IMPROVEMENT PROGRAM

Water System Improvement Program
Project Labor Agreement

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

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

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Executive Summary

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. 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.

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, 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	Inception Through June 30, 2020			
	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**

Construction Activity Highlights – *Quarter Ending June 30, 2020*

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.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending June 30, 2020			
	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

*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

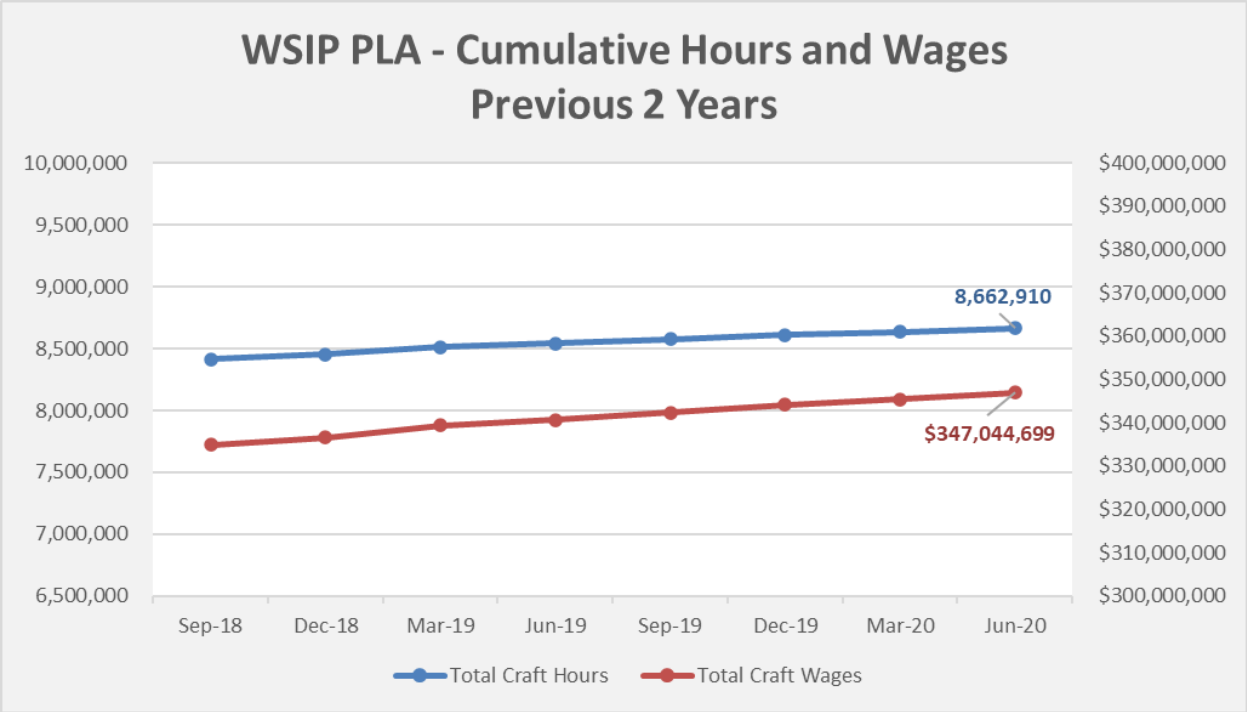
Sorted by Award Date

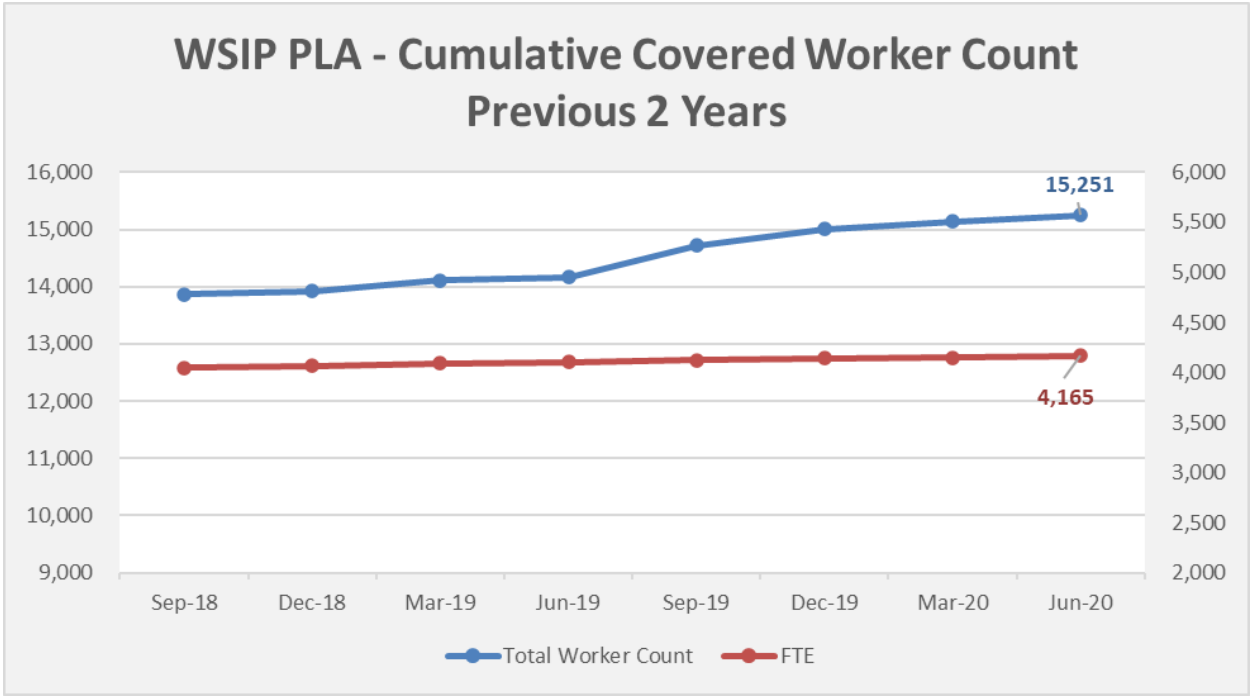
Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through June 30, 2020					
Award Date	**Contract No.**	**Prime Contractor**	**Project**	**Engineer's Estimate**	**Award $**
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station and R(	$20 Million	$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	$2.9 Million	$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Channel	$5.8 Million	$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	$29 to $34 Million	$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facility at	$70 to 80 Million	$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	$11.2 Million	$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	$28.6 Million	$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	$30 Million	$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	$10.8 Million	$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	$16 Million	$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	$50 Million	$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	$13.6 Million	$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	$22.5 Million	$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	$34 to $38 Million	$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	$28 to $36 Million	$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	$2.7 Million	$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	$49 to $54 Million	$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Point..	$5.9 to $6.7 Million	$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	$2.4 Million	$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well Drilli	$3.6 to $4.2 Million	$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	$5.8 Million	$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	$13 Million	$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas...	$6.4 Million	$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	$2.4 Million	$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	$52 to $57 Million	$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	$250 to $300 Million	$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	$220 to $245 Million	$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	$43 to $48 Million	$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	$70 Million	$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	$18 to $22 Million	$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	$100 to $130 Million	$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	$6.5 Million	$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	$230 to $260 Million	$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	$109 Million	$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	$21.6 Million	$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	$235 to $260 Million	$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	$62 to $69 Million	$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	$88 to $98 Million	$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	$10.6 Million	$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	$14 to $18 Million	$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	$8.5 to $9.5 Million	$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	$3.1 Million	$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	$20 to $25 Million	$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	$47 to $52 Million	$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	$45.5 Million	$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	$21.5 Million	$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	$52 to $60 Million	$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	$62.8 Million	$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	$15 to $18 Million	$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	$6 to $8 Million	$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	$55 to $65 Million	$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	$90 Million	$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	$15 to $18 Million	$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	$15 to $18 Million	$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	$5.5 to $7 Million	$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	$18 to $22 Million	$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	$5.7 Million	$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	$18 to $24 Million	$ 17,899,960
Total 58 Projects					**$ 2,216,344,430**

Summary Charts

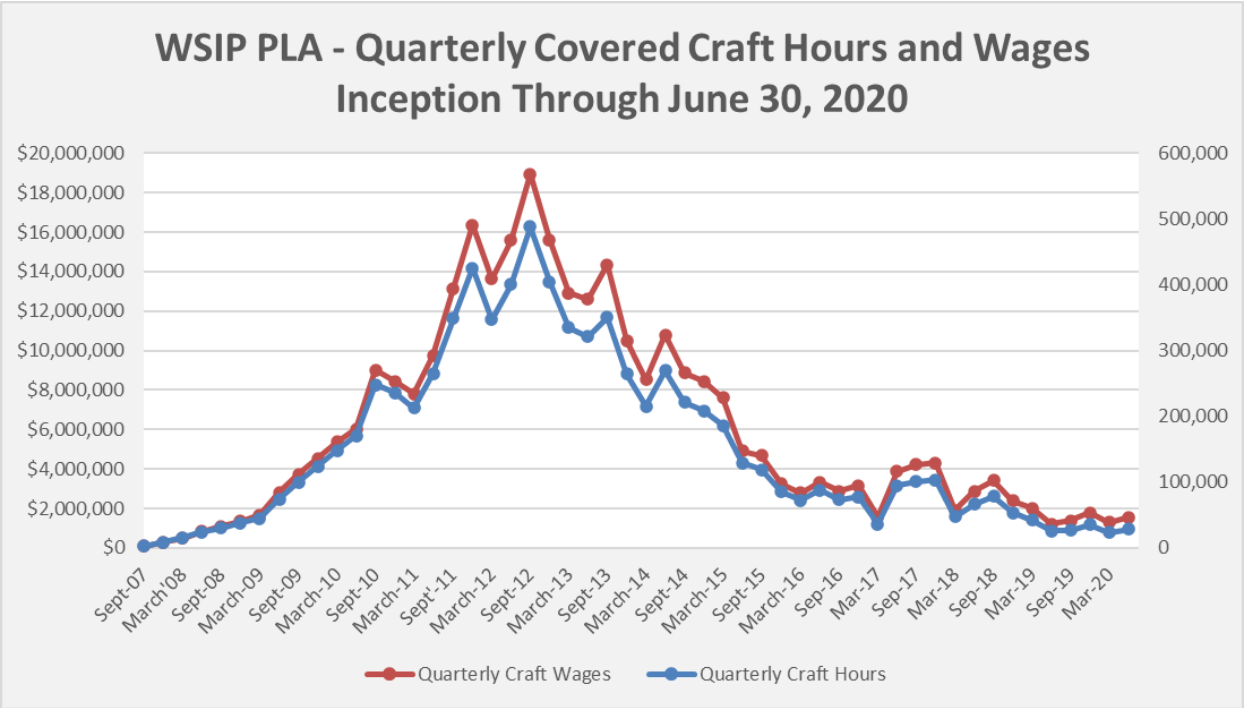
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending June 30, 2020; 15,251 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,662,910 craft hours and $347,044,699 in craft wages.

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

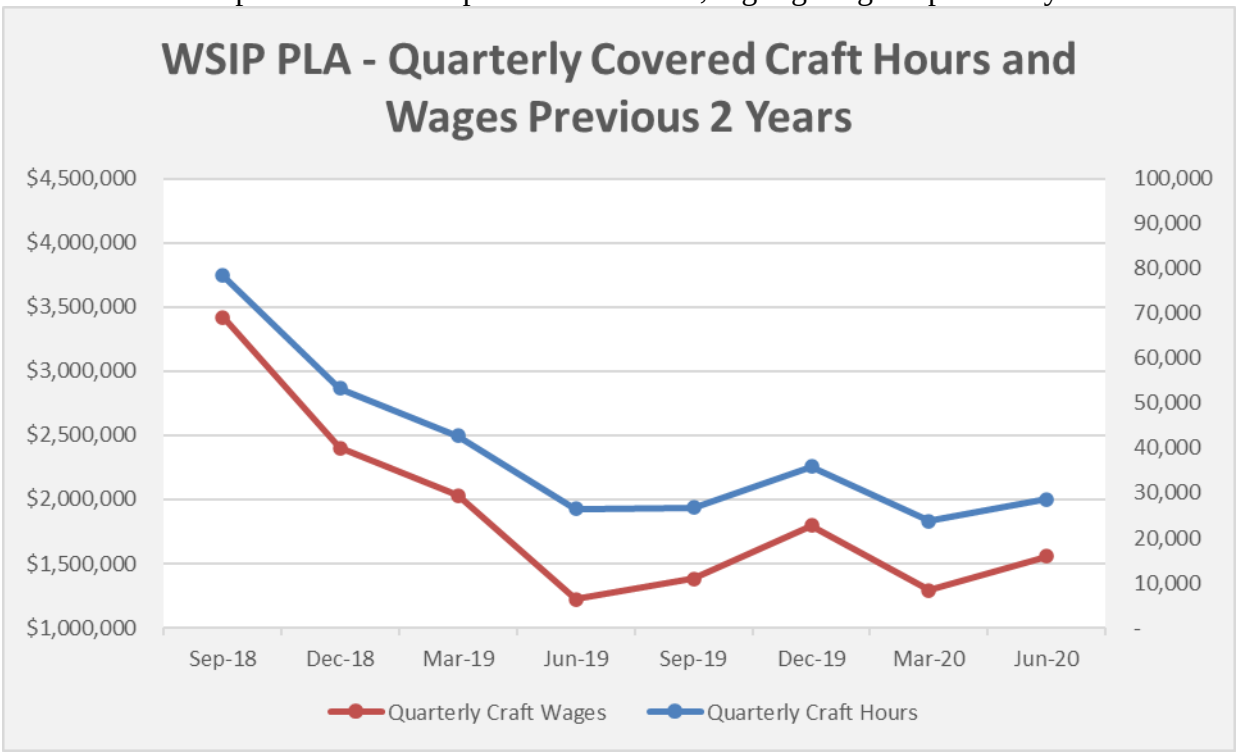




The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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.

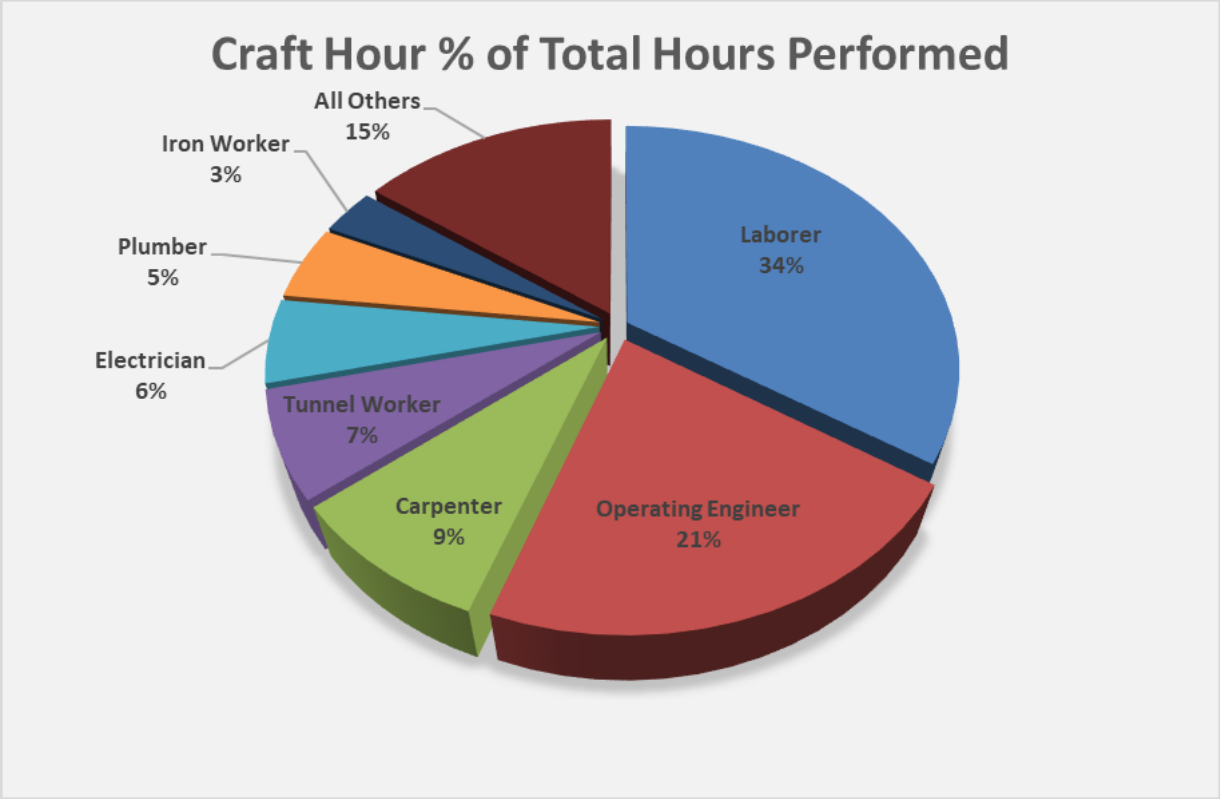
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

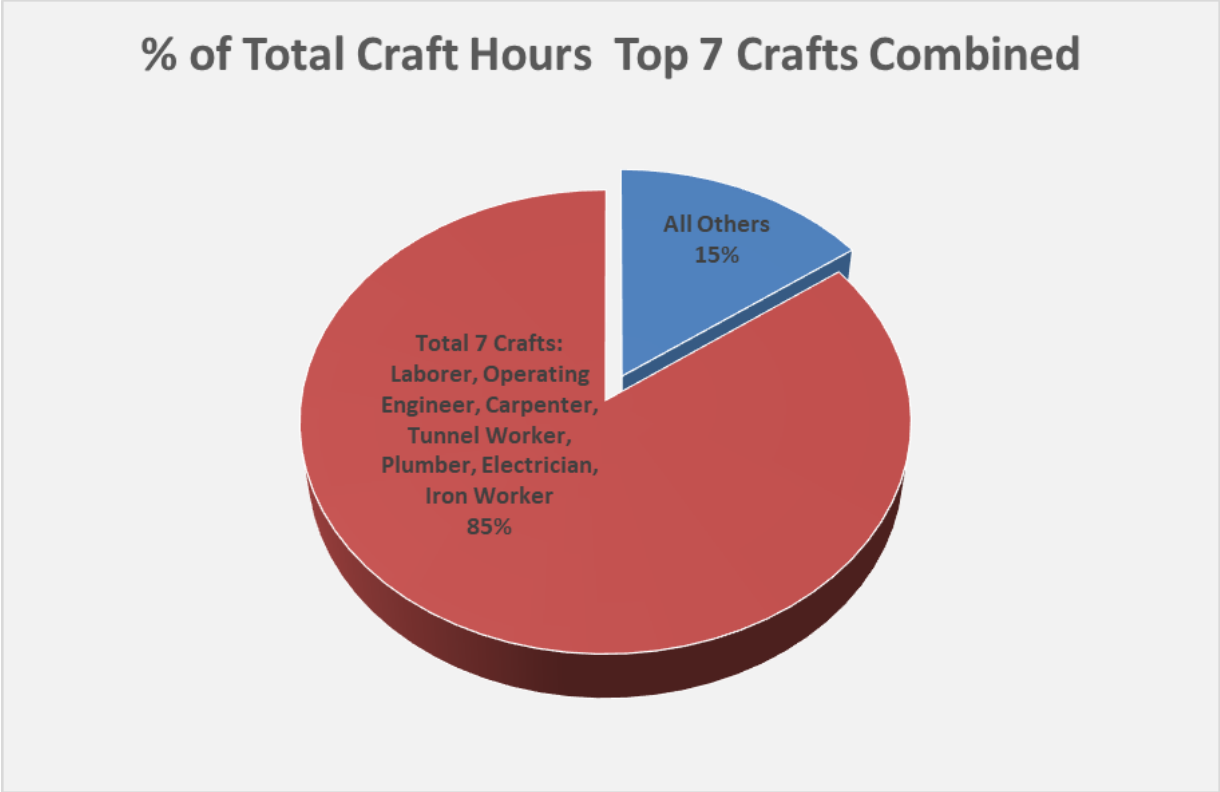
Sorted by Total Craft Hours

Cumulative Employment by Craft
Inception Through June 30, 2020

Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% 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**

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.

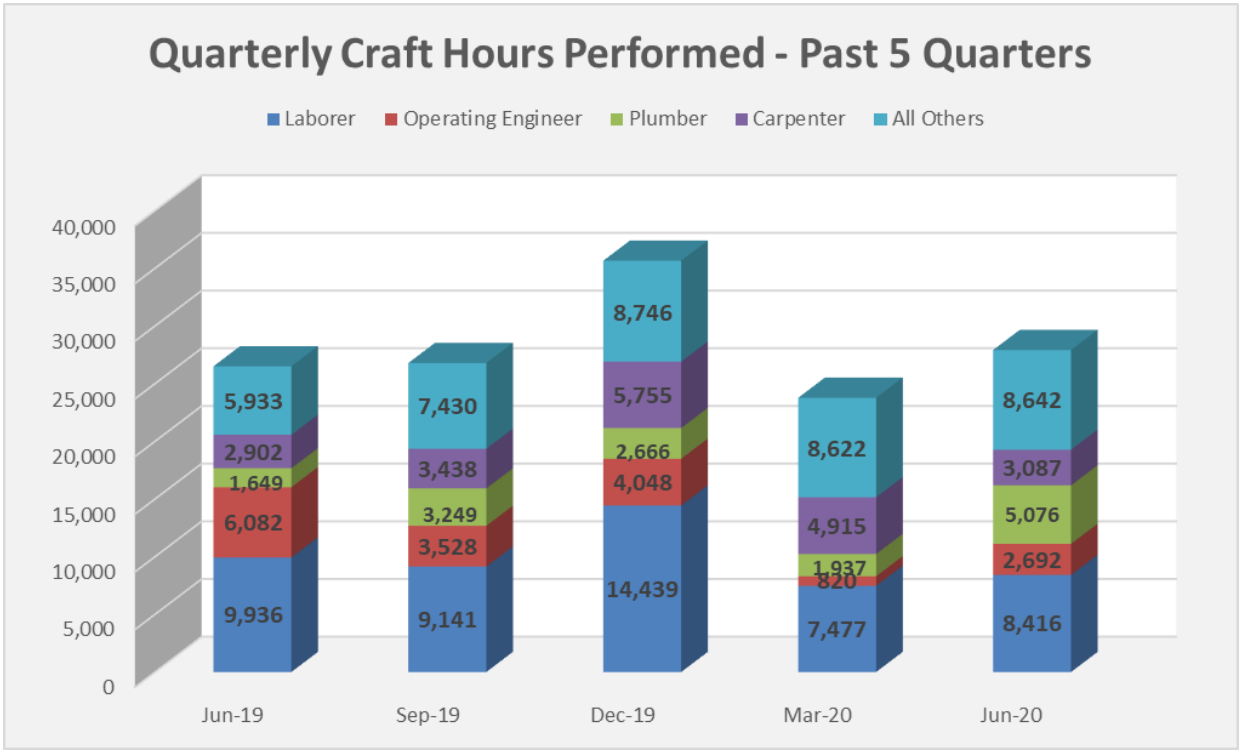


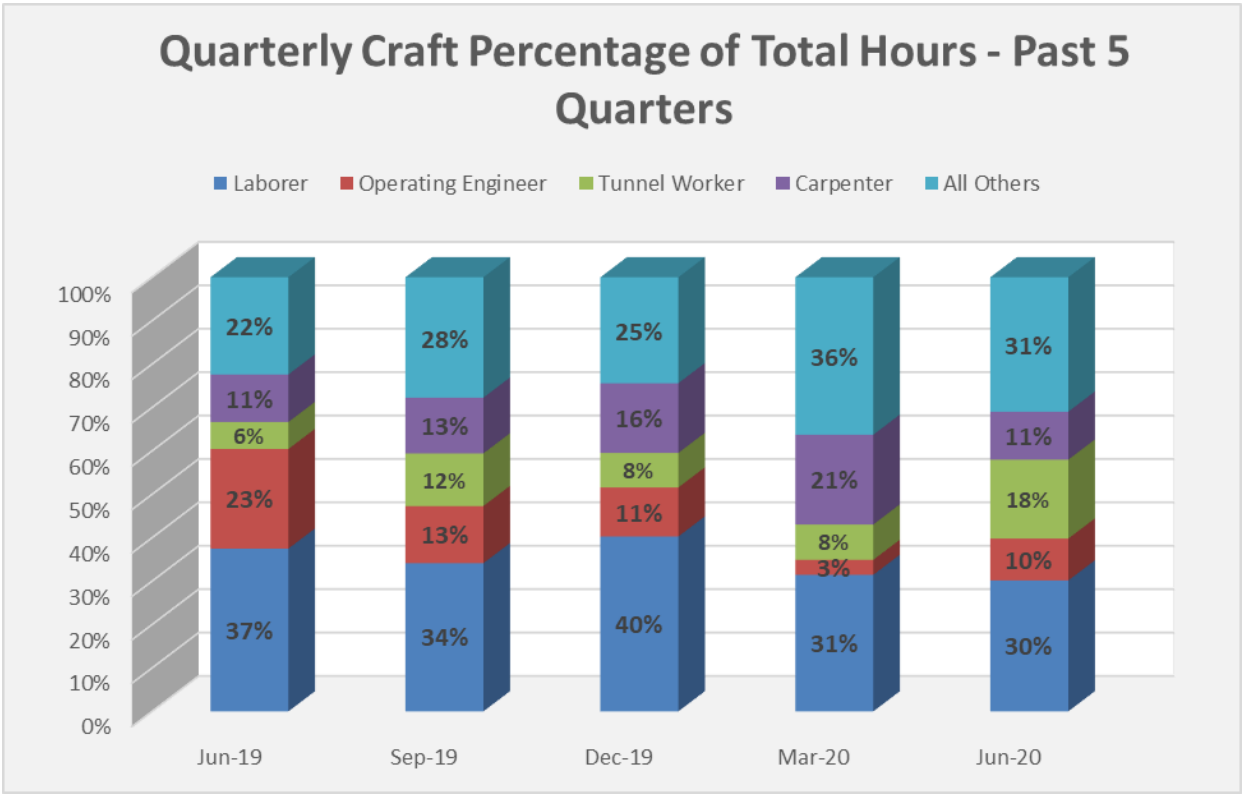


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 6-30-2020 Hours	Quarter Ending 6-30-2020 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	-	$ -
Drywall Installer/Lather	10,963	$ 466,988	100	$ 5,657
Plasterer	10,831	$ 399,095	694	$ 28,117
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	$ 291	-	$ -
Total Non-Apprenticeable	**460,578**	**$ 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.

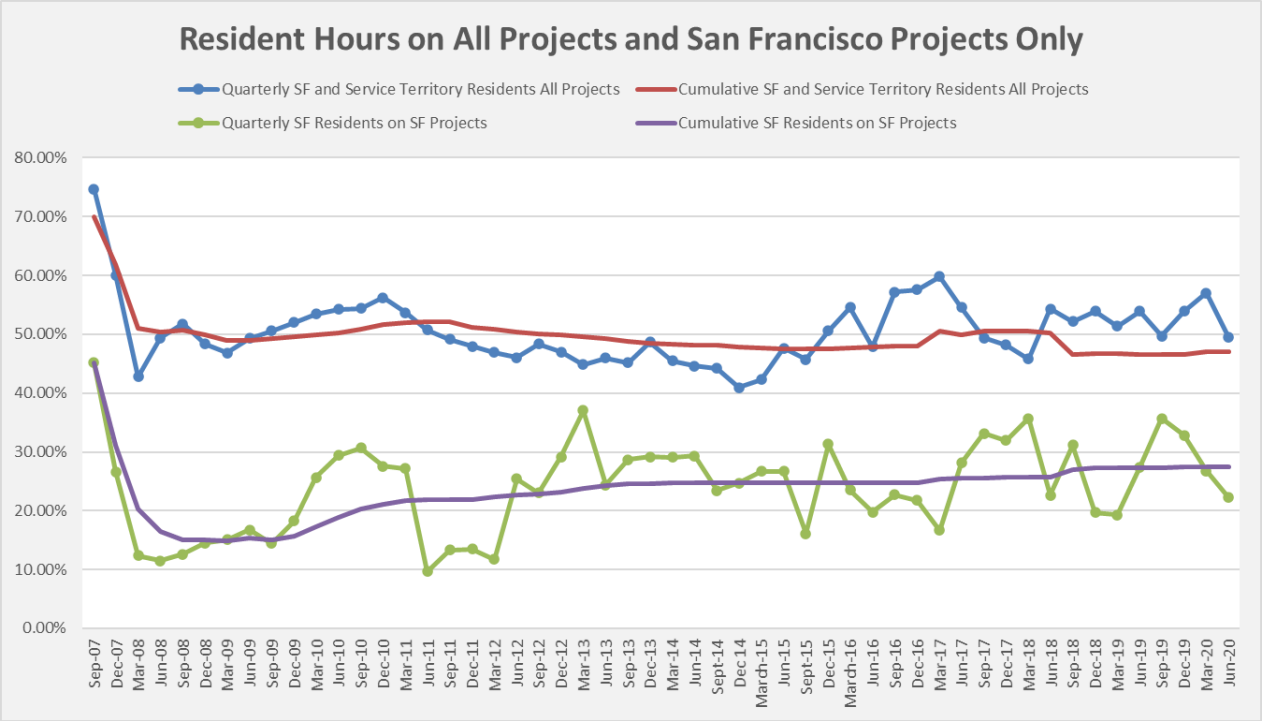




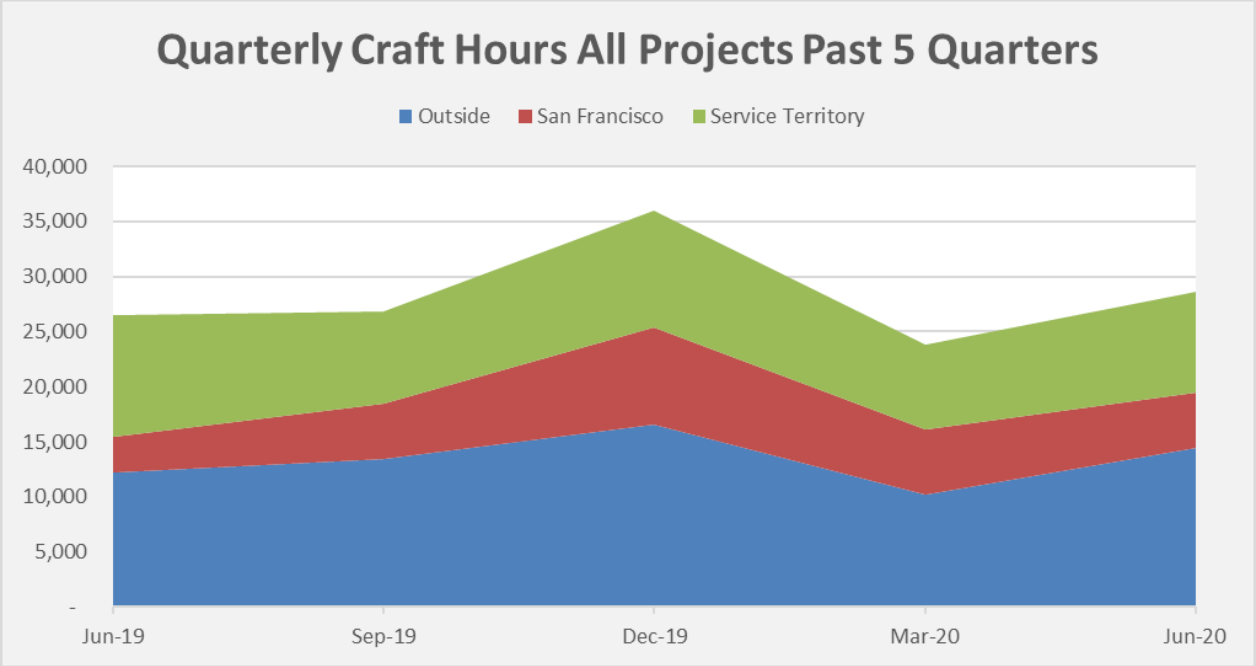
Worker Residence on the WSIP PLA

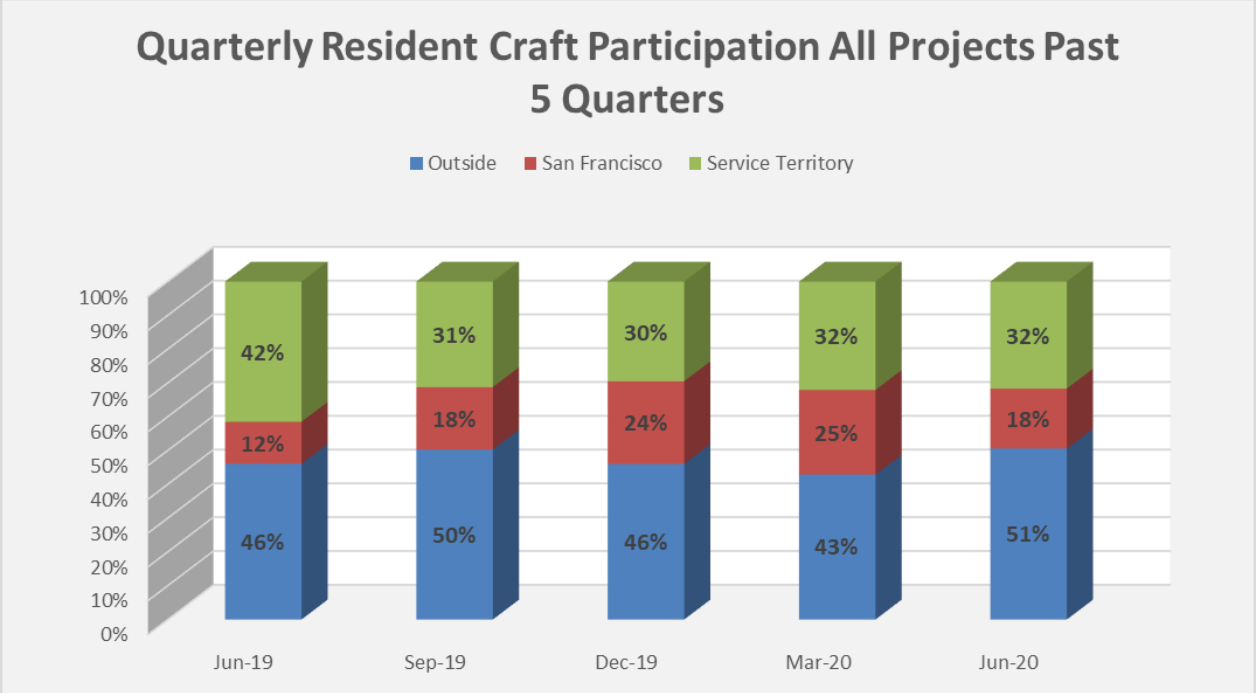
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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.

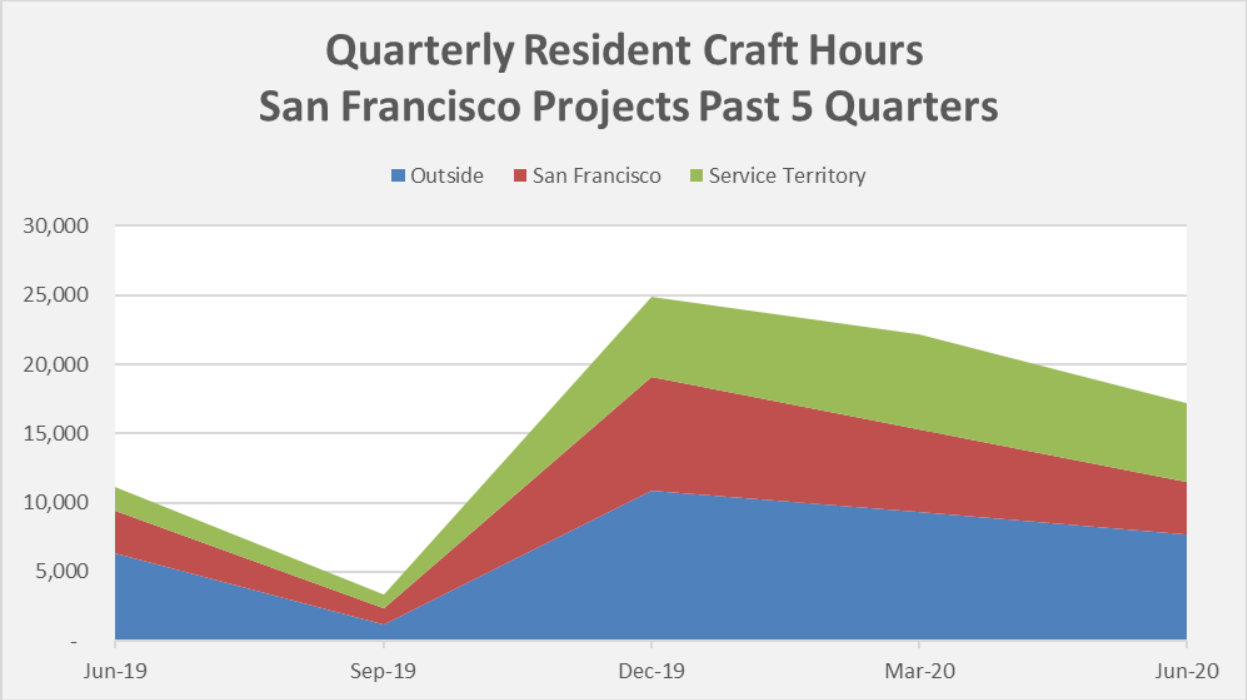


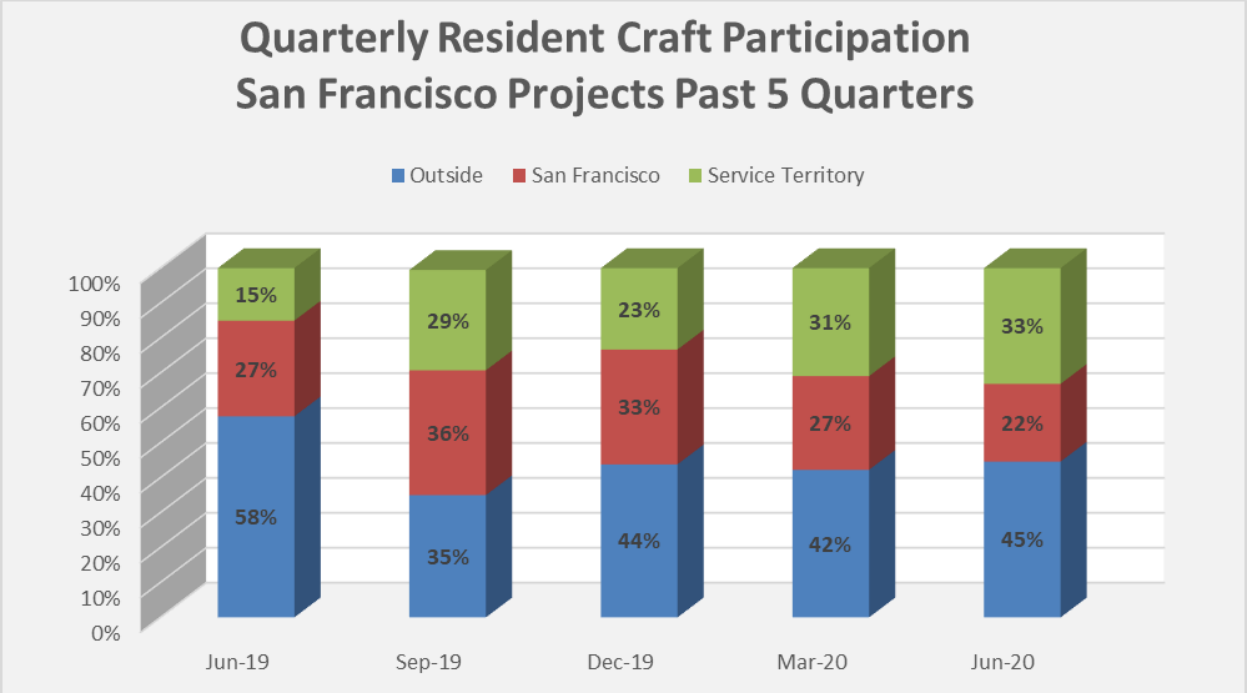
Residence on *ALL* WSIP PLA Projects - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



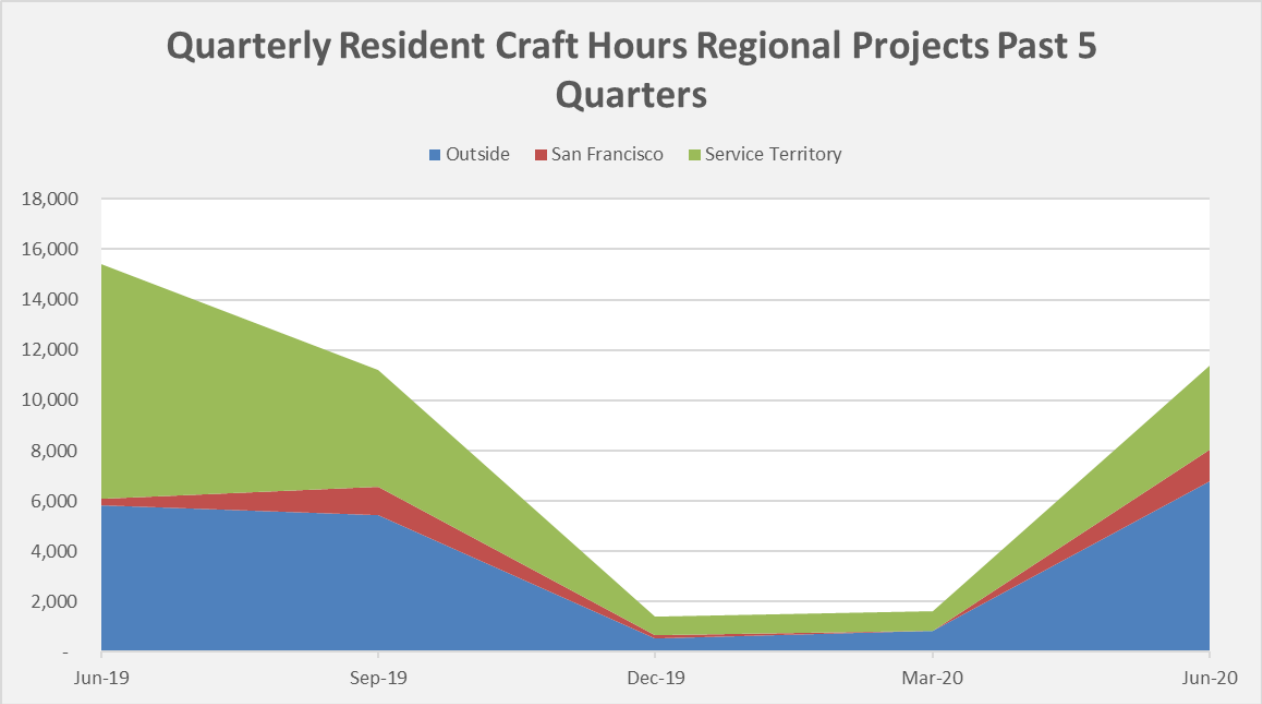


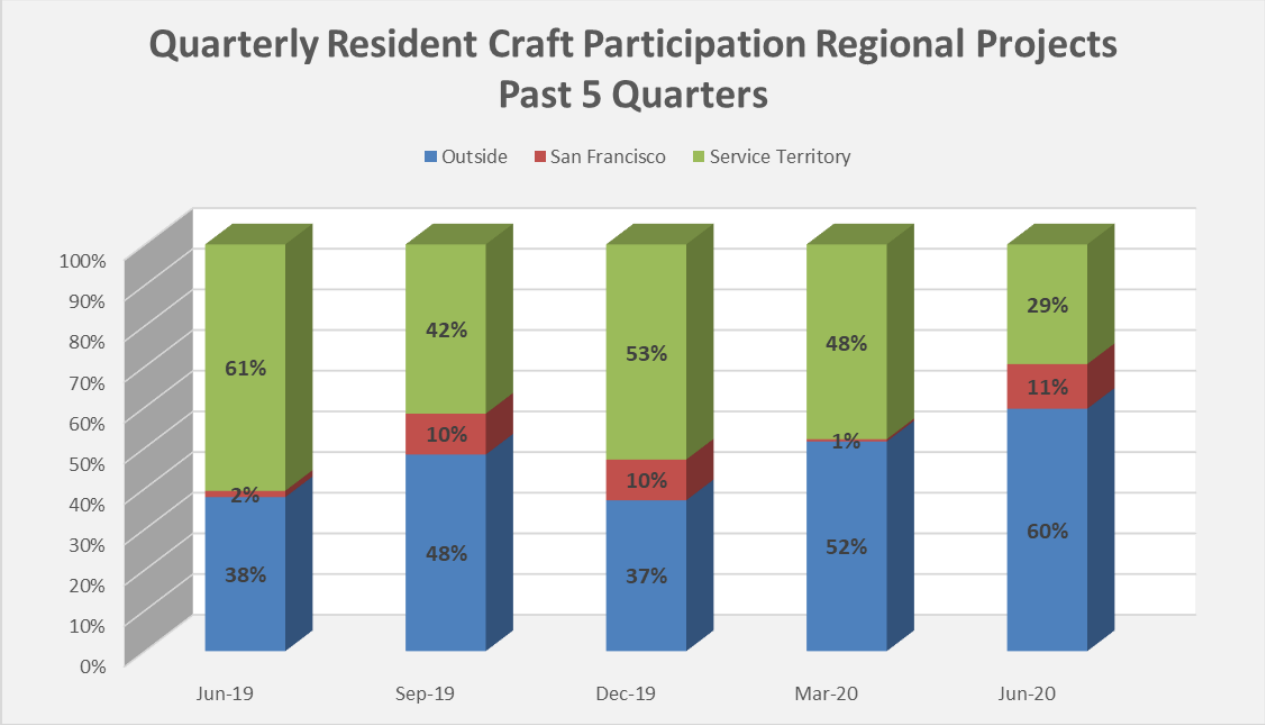
Residence on *San Francisco-located* WSIP PLA Projects - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





Residence *by County*

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence Inception Through June 30,2020					
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*

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through June 30, 2020					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
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	0
94123	764	$ 36,436	0.1%	3	0
94104	677	$ 22,206	0.1%	3	0
94129	447	$ 14,182	0.1%	1	0
94105	442	$ 13,968	0.1%	4	0
94188	366	$ 9,790	0.1%	3	0
94140	288	$ 11,589	0.0%	1	0
94119	255	$ 7,976	0.0%	1	0
94147	162	$ 4,785	0.0%	1	0
94158	53	$ 2,524	0.0%	4	0
94125	21	$ 768	0.0%	1	0
94164	6	$ 264	0.0%	1	0
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

Cumulative Employment of Residents By Craft Inception Through June 30, 2020							
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%	42.9%	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%	51.8%	39.1%
Sheet Metal Worker	24,646	2,731	12,762	9,154	11.1%	51.8%	37.1%
Field Surveyor	22,095	1,382	4,038	16,676	6.3%	18.3%	75.5%
Drywall Installer/Lather	10,963	4,150	1,931	4,883	37.9%	17.6%	44.5%
Plasterer	10,831	6,442	1,148	3,241	59.5%	10.6%	29.9%
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	351	-	344	7	0.0%	98.0%	2.0%
Tile Finisher	277	-	237	40	0.0%	85.6%	14.4%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	64	-	32	32	0.0%	50.0%	50.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
Total Apprenticeable	**5,233,759**	**354,881**	**1,901,115**	**2,977,763**	**6.8%**	**36.3%**	**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%	59.0%	34.3%
Driver (On/Off-Hauling To/From Construction	99,110	17,609	65,703	15,798	17.8%	66.3%	15.9%
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-Hea	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,089	951	2,161	13,977	5.6%	12.6%	81.8%
Tunnel/Underground (Operating Engineer-Hea	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%	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	**460,578**	**27,958**	**237,520**	**195,099**	**6.1%**	**51.6%**	**42.4%**
Total WSIP PLA	**8,662,910**	**616,744**	**3,417,605**	**4,628,562**	**7.1%**	**39.5%**	**53.4%**

Residence *by Project*

Sorted by Total Hours

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
WD-2551 - Calaveras Dam Replacemen	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 Reliab	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andrea	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatmer	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
WD-2542 - Bay Division Pipeline No. 5 -	288,044	5,836	129,660	152,548	2.0%	45.0%	53.0%
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	28.7%
WD-2541 - Bay Division Pipeline No. 5 -	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
WD-2539 - University Mound Reservoir S	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Ala	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Stora	161,469	26,592	82,142	52,735	16.5%	50.9%	32.7%
WD-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%
WD-2629 - Seismic Upgrade of Bay Divi	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6%
WD-2552 - Alameda Siphon No. 4 Projec	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%	47.1%
WD-2498 - New Crystal Springs Bypass	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2776 - SF Westside Recycled Wate	108,558	28,685	28,441	51,433	26.4%	26.2%	47.4%
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 - Weste	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam I	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Cross	84,483	0	45,318	38,942	0.0%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3 I	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir S	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic U	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound Syst	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 S	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%	45.1%
WD-2798 - SF Westside Recycled Wate	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2654R - Peninsula Vegetation Remo	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2809 - SF Groundwater Supply Pha	29,997	5,880	3,031	21,086	19.6%	10.1%	70.3%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2829R - San Andreas Pipeline No. 2	25,209	3,146	7,254	14,809	12.5%	28.8%	58.7%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Wate	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Ma	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bav Division Pipeline No. 5, (	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pipe	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station U	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
WD-2797 - SF Westside Recycled Wate	13,437	5,835	5,616	1,986	43.4%	41.8%	14.8%
HH-914R - Roselle Crossover Improvem	12,859	223	8,861	3,999	1.7%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restorati	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Da	7,758	196	3,225	4,337	2.5%	41.6%	55.9%
WD-2600 - Regional Groundwater Stora	6,088	0	296	5,792	0.0%	4.9%	95.1%
WD-2855 - Turner Dam Spillway and Po	2,088	0	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
Total WSIP PLA	**8,662,910**	**616,744**	**3,417,605**	**4,628,562**	**7.1%**	**39.5%**	**53.4%**

Apprentice Utilization

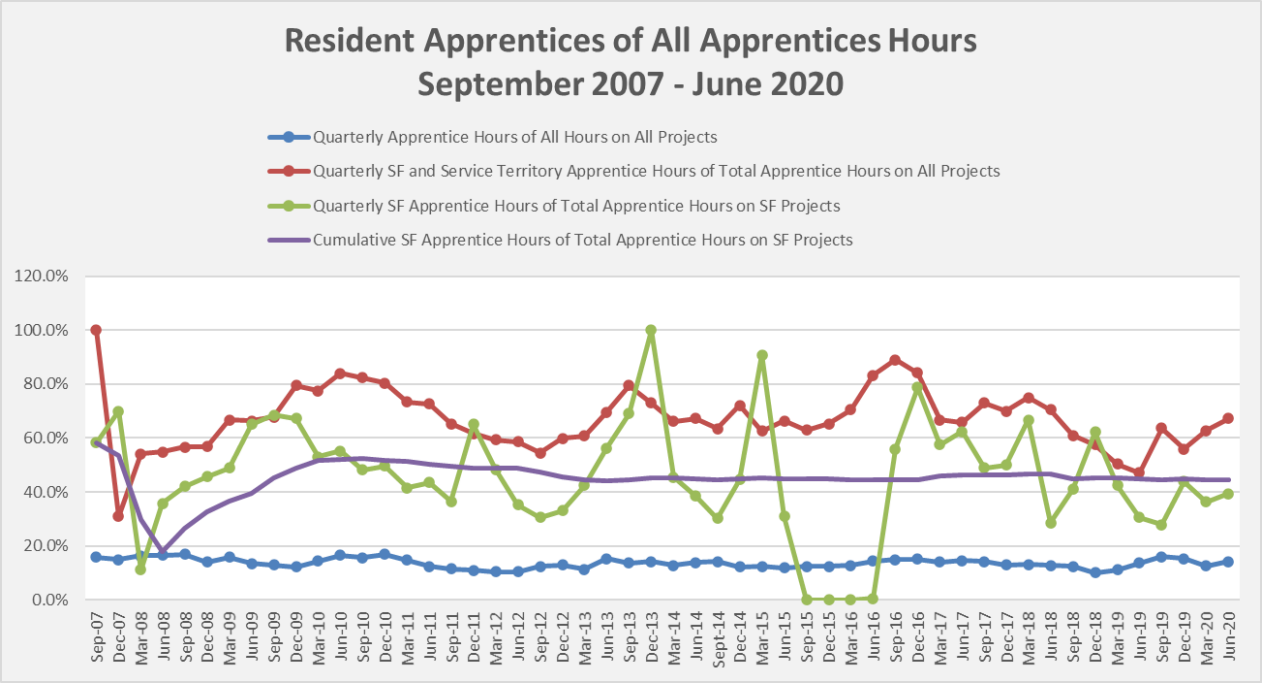
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

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

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,853,147	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										

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.

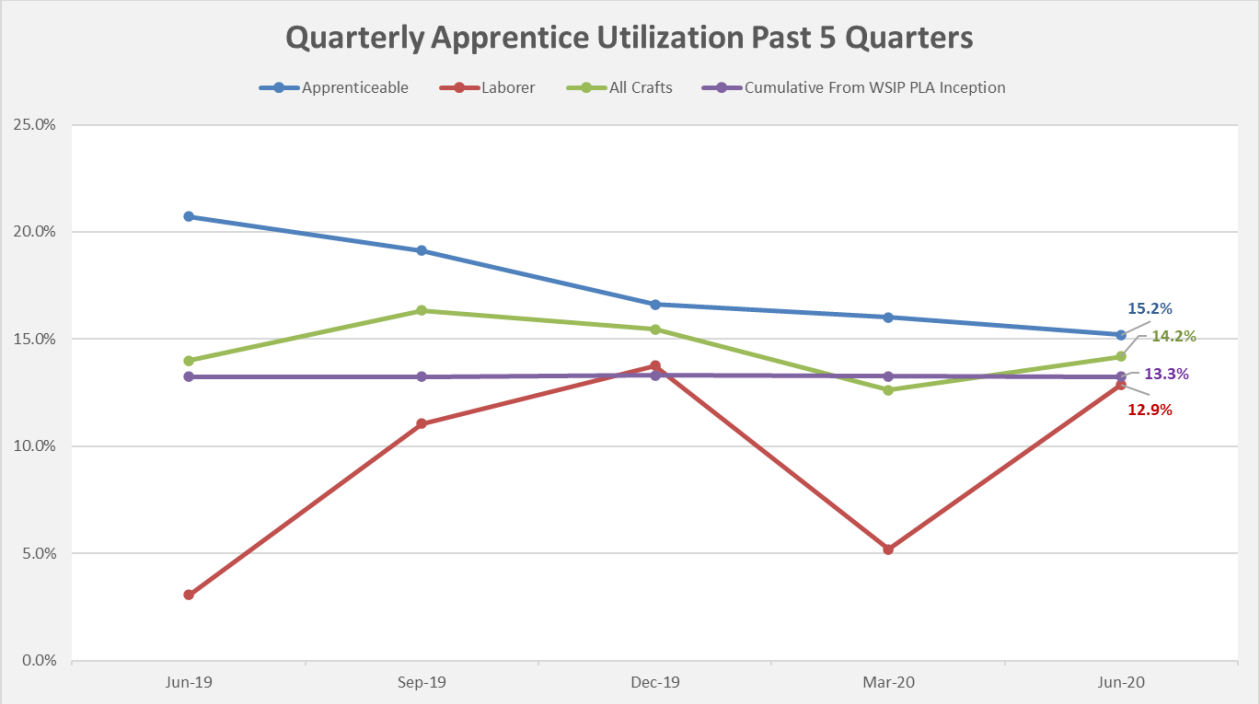


The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project
Inception Through June 30, 2020

Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - 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%	17.1%
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%	16.8%
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%	16.7%
WD-2640 - Bioregional Habitat F	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
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%	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 Groundwat	161,469	101,339	1,079	59,051	160,390	18,467	7,375	25,842	18.2%	12.5%	16.1%
WD-2776 - SF Westside Recyc	108,558	81,738	88	26,731	108,469	15,642	1,745	17,386	19.1%	6.5%	16.0%
WD-2573 - Pulgas Balancing Re	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	15.6%
WD-2797 - SF Westside Recyc	13,437	6,032	-	7,405	13,437	812	1,269	2,081	13.5%	17.1%	15.5%
HH-914R - Roselle Crossover In	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 Groundwat	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 Ped	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 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%	10.8%
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%	10.5%
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%	10.5%
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%	10.3%
WD-2501 - Alemany Pump Stati	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	10.3%
WD-2542 - Bay Division Pipeline	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-2829R - San Andreas Pipel	25,209	11,768	1,335	12,106	23,873	350	1,842	2,191	3.0%	15.2%	9.2%
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%	8.9%
WD-2665 - Bay Division Pipeline	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	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2589 - SCADA System Pha	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 Pipeline	583,318	412,690	91,164	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
WD-2543 - North University Mou	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	6.5%
WD-2654R - Peninsula Vegetati	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
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.

WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary Tests Administered to Individuals Cleared to Work Through 6/30/2020	
Project	**Number Cleared**
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-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-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	277
WD-2668 - Regional Groundwater Storage and Recovery	265
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	226
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2513 - San Andreas Pipeline No.3 Installation Project	178
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
WD-2575 - San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	125
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Proiect	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Skylin	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	41
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 Grassland	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
WD-2640 - Bioregional Habitat Restoration	-
Total Cleared	**15,086**

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.