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WATER SYSTEM **IMPROVEMENT** PROGRAM

# **Water System Improvement Program Project Labor Agreement**

## **Quarterly Report Quarter Ended September 30, 2020 (First Quarter FY 2020-2021)**

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

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**Executive Summary**

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty-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, 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, 15,608 construction workers were employed for 8,707,072 hours and earned wages of \$ \$349,599,322 on WSIP PLA-covered projects.
- 1,441 San Francisco residents worked 625,192 hours and earned \$ \$24,322,954 on WSIP PLA-covered projects representing 7% of covered hours and 301 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. 6,364 residents of the Regional Service Territory earned wages of \$ \$133,332,110 and worked 3,432,067 hours, representing 39% of covered hours and 1,650 full-time equivalent worker years.
- 15,129 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of September 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 September 30, 2020			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	15,608	8,707,072	\$ 349,599,322	4,186
San Francisco	1,441	625,192	\$ 24,322,954	301
SFPUC Service Territory	6,364	3,432,067	\$ 133,332,110	1,650
Outside	7,816	4,649,814	\$ 191,944,258	2,235

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Construction Activity Highlights – Quarter Ending September 30, 2020

**Contracting:**

- There were no contracts awarded during the reporting period.

**Employment:**

- 358 construction workers were employed for 44,162 hours and earned wages of \$2,554,622 on WSIP PLA-covered projects.
- 67 San Francisco residents worked 8,448 hours and earned wages of \$543,883 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, 116 residents of the Regional Service Territory worked 14,462 hours and earned wages of \$791,756 on WSIP PLA-covered projects.
- 43 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, 2020			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	358	44,162	\$ 2,554,622	21
San Francisco	67	8,448	\$ 543,883	4
SFPUC Service Territory	116	14,462	\$ 791,756	7
Outside	175	21,252	\$ 1,218,984	10

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

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**Summary of WSIP PLA-Covered Contract Awards**

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA						
Inception through September 30, 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 P	\$5.9 to \$6.7 Million	\$ 5,591,750	
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000	
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million	\$ 2,998,685	
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100	
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400	
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andrea	\$6.4 Million	\$ 6,499,000	
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000	
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416	
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850	
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000	
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350	
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379	
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400	
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000	
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water 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	
<b>Total 58 Projects</b>					<b>\$ 2,216,344,430</b>	

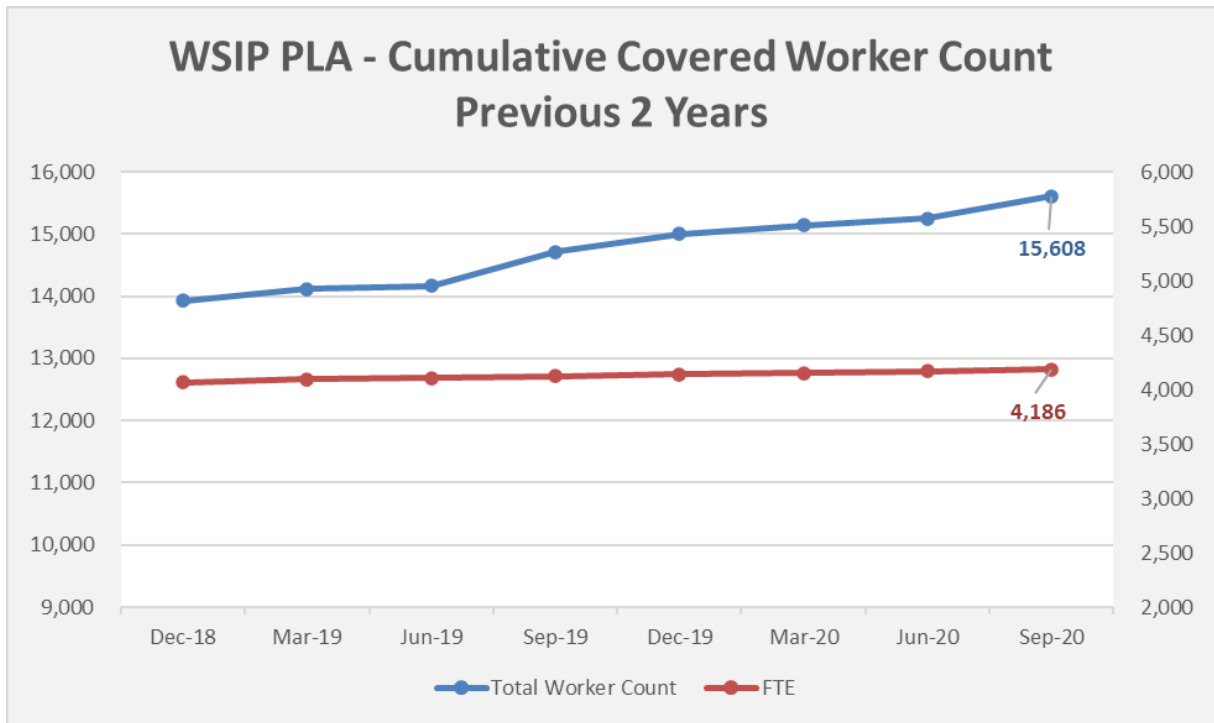
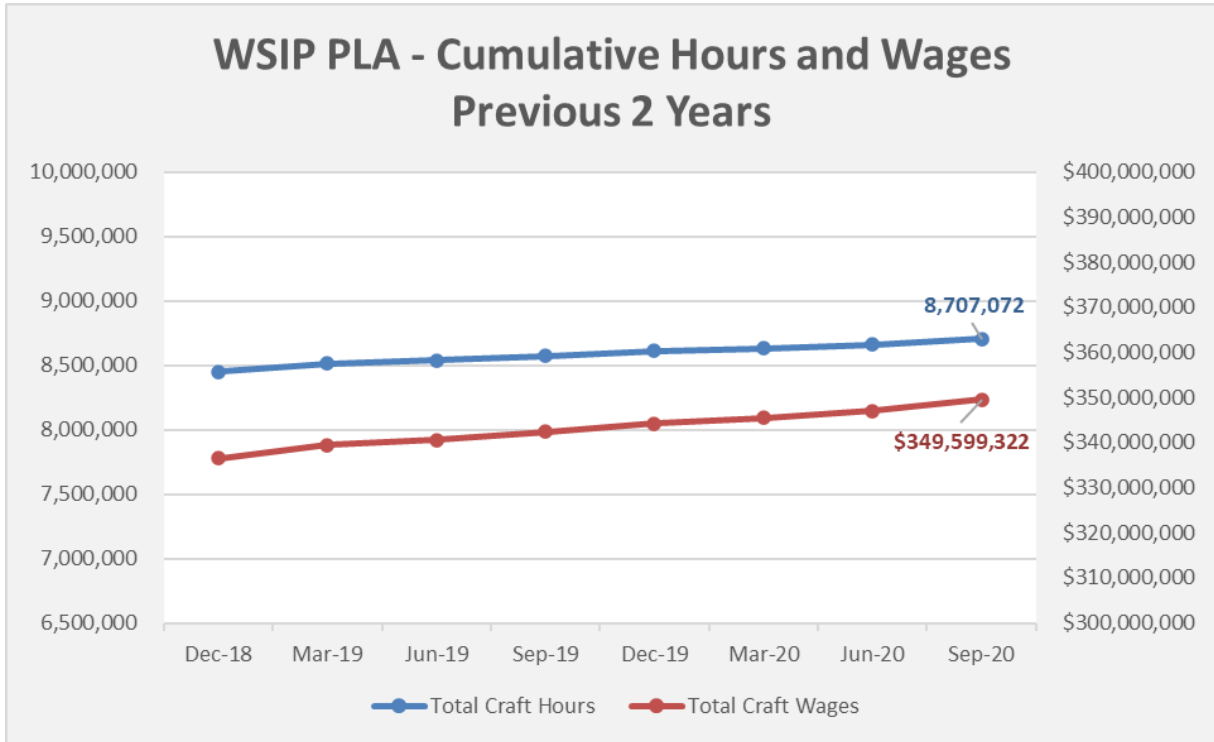
\* Indicates projects located in San Francisco

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**Summary Charts**

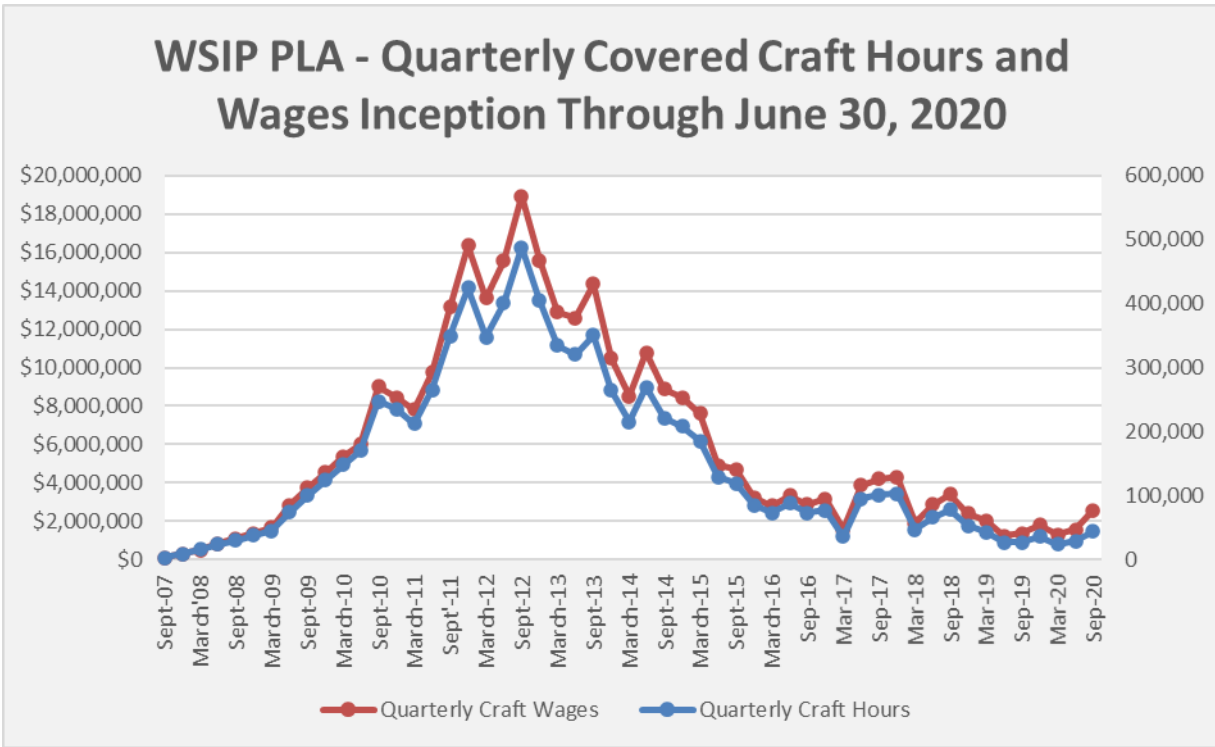
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending September 30, 2020; 15,608 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,707,072 craft hours and \$349,599,322 in craft wages.

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

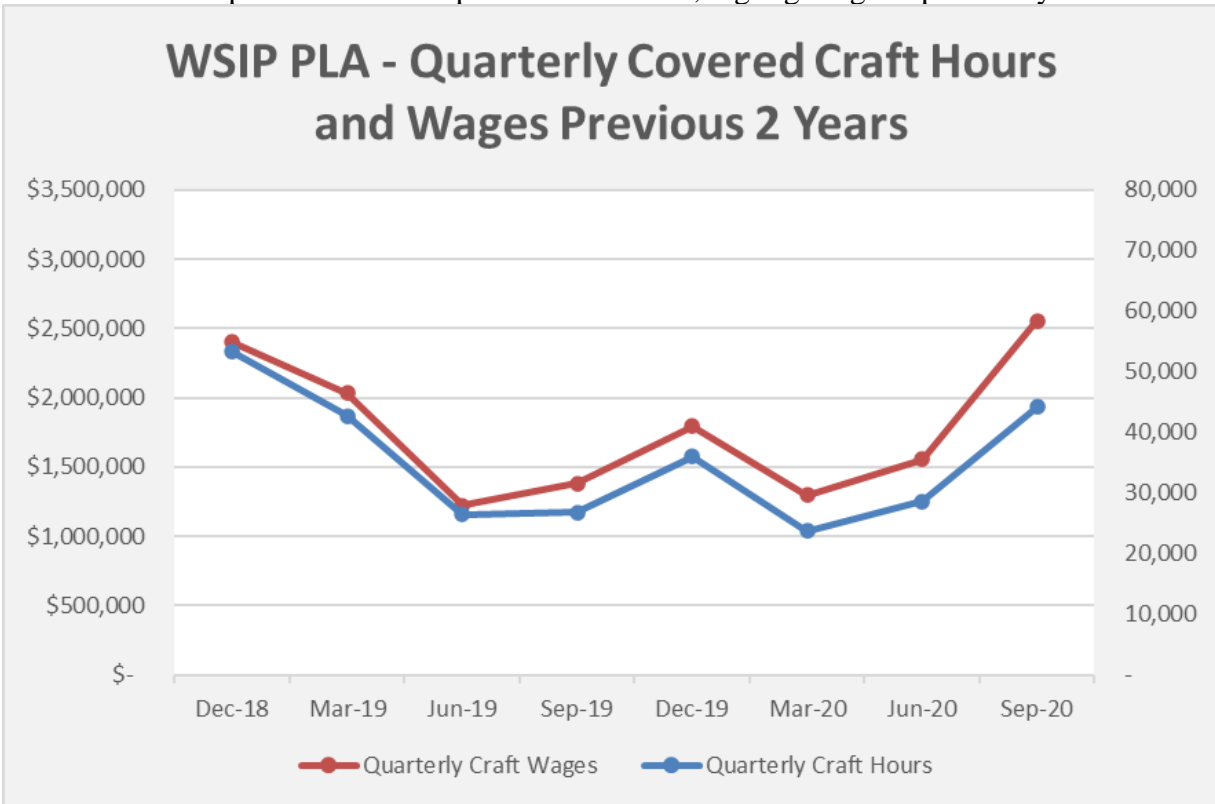


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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**Craft Utilization on WSIP PLA-Covered Projects**

As of September 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.

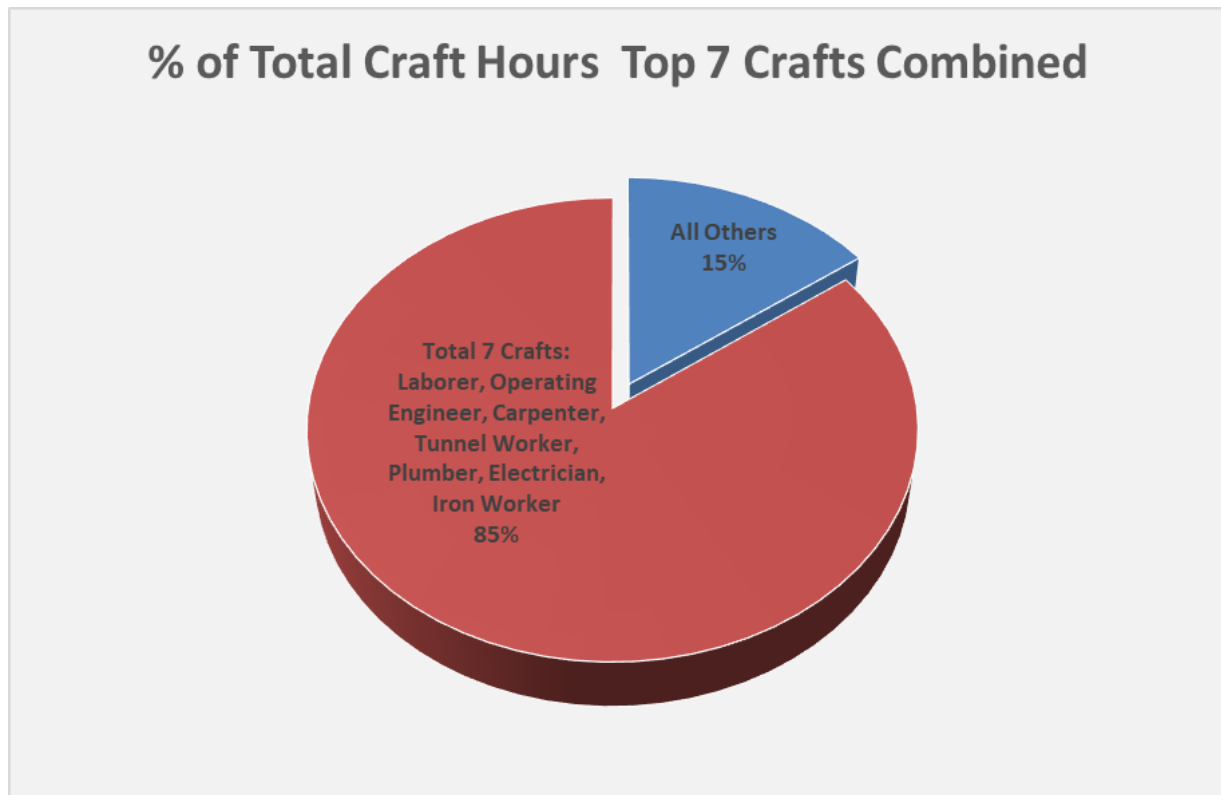
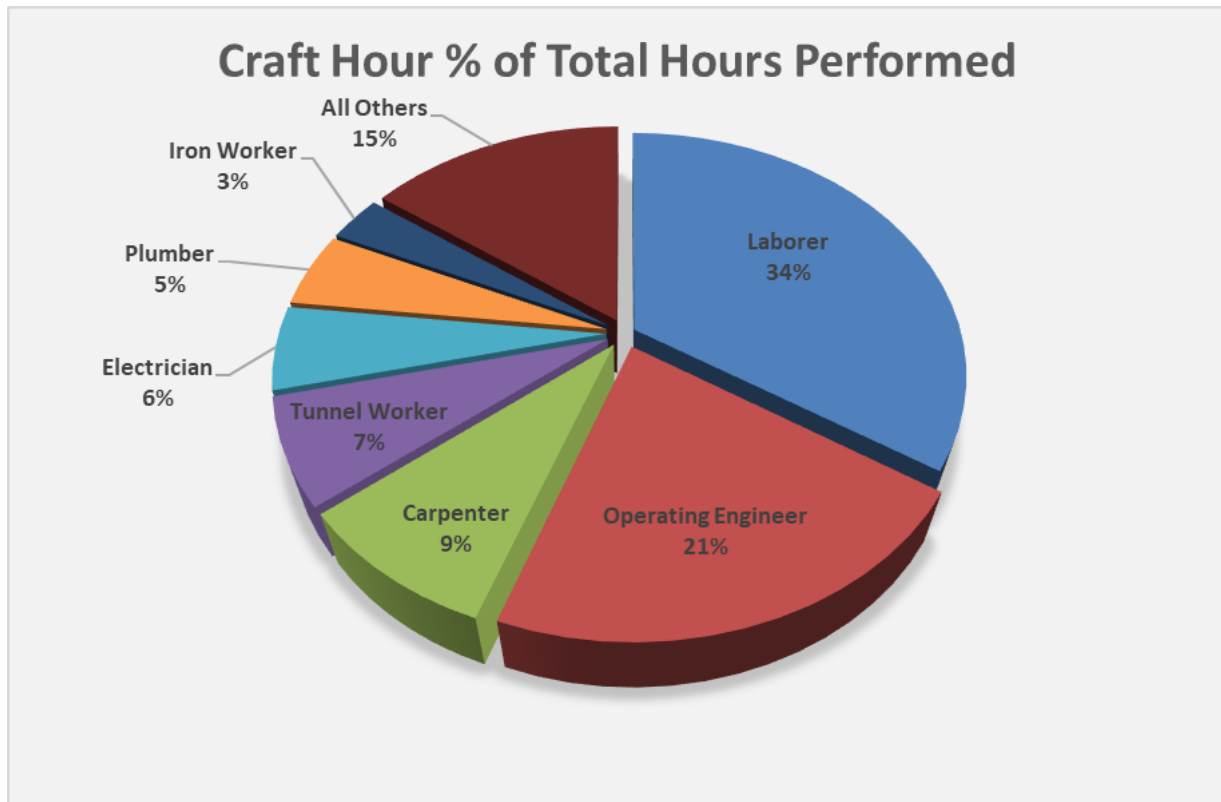
Sorted by Total Craft Hours

<b>Cumulative Employment by Craft</b>					
Inception Through September 30, 2020					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
Laborer	2,981,276	\$ 92,924,226	34.2%	26.6%	1,433
Operating Engineer	1,855,893	\$ 78,331,336	21.3%	22.4%	892
Carpenter	763,657	\$ 32,677,266	8.8%	9.3%	367
Tunnel Worker	612,964	\$ 26,175,557	7.0%	7.5%	295
Electrician	489,715	\$ 26,244,578	5.6%	7.5%	235
Plumber	443,834	\$ 21,304,286	5.1%	6.1%	213
Iron Worker	276,809	\$ 9,628,195	3.2%	2.8%	133
<b>Top 7 Sub-Total</b>	<b>7,424,148</b>	<b>\$ 287,285,444</b>	<b>85.3%</b>	<b>82.2%</b>	<b>3,569</b>
Pile Driver	181,764	\$ 9,710,884	2.1%	2.8%	87
Painter	151,639	\$ 5,972,798	1.7%	1.7%	73
Cement Mason	128,460	\$ 4,521,592	1.5%	1.3%	62
Boilermaker	121,771	\$ 6,494,850	1.4%	1.9%	59
Building/Construction Inspector	88,822	\$ 5,004,016	1.0%	1.4%	43
Roofer	49,025	\$ 1,661,611	0.6%	0.5%	24
Sheet Metal Worker	28,575	\$ 1,475,207	0.3%	0.4%	14
Field Surveyor	22,095	\$ 1,262,291	0.3%	0.4%	11
Drywall Installer/Lather	11,761	\$ 512,264	0.1%	0.1%	6
Plasterer	11,083	\$ 409,630	0.1%	0.1%	5
Bricklayer	8,899	\$ 341,242	0.1%	0.1%	4
Electrical Utility Lineman	6,909	\$ 425,367	0.1%	0.1%	3
Glazier	4,834	\$ 237,178	0.1%	0.1%	2
Metal Roofing Systems Installer	2,586	\$ 92,217	0.0%	0.0%	1
Asbestos Worker, Heat and Frost Insulation	920	\$ 55,784	0.0%	0.0%	0
Brick Tender	895	\$ 30,418	0.0%	0.0%	0
Driver	557	\$ 56,185	0.0%	0.0%	0
Carpet Layer	354	\$ 16,311	0.0%	0.0%	0
Tile Setter	351	\$ 12,929	0.0%	0.0%	0
Tile Finisher	277	\$ 5,836	0.0%	0.0%	0
Terrazzo Worker	199	\$ 8,163	0.0%	0.0%	0
Sprinkler Fitter	64	\$ 4,417	0.0%	0.0%	0
Marble Finisher	40	\$ 1,342	0.0%	0.0%	0
Terrazzo Finisher	4	\$ 160	0.0%	0.0%	0
<b>Remaining Apprenticeable Sub-Total</b>	<b>821,881</b>	<b>\$ 38,312,694</b>	<b>9.4%</b>	<b>11.0%</b>	<b>395</b>
<b>Total Non-Apprenticeable</b>	<b>461,043</b>	<b>\$ 24,001,183</b>	<b>5.3%</b>	<b>6.9%</b>	<b>222</b>
<b>Total WSIP-Covered by PLA</b>	<b>8,707,072</b>	<b>\$ 349,599,322</b>	<b>100.0%</b>	<b>100.0%</b>	<b>4,186</b>



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



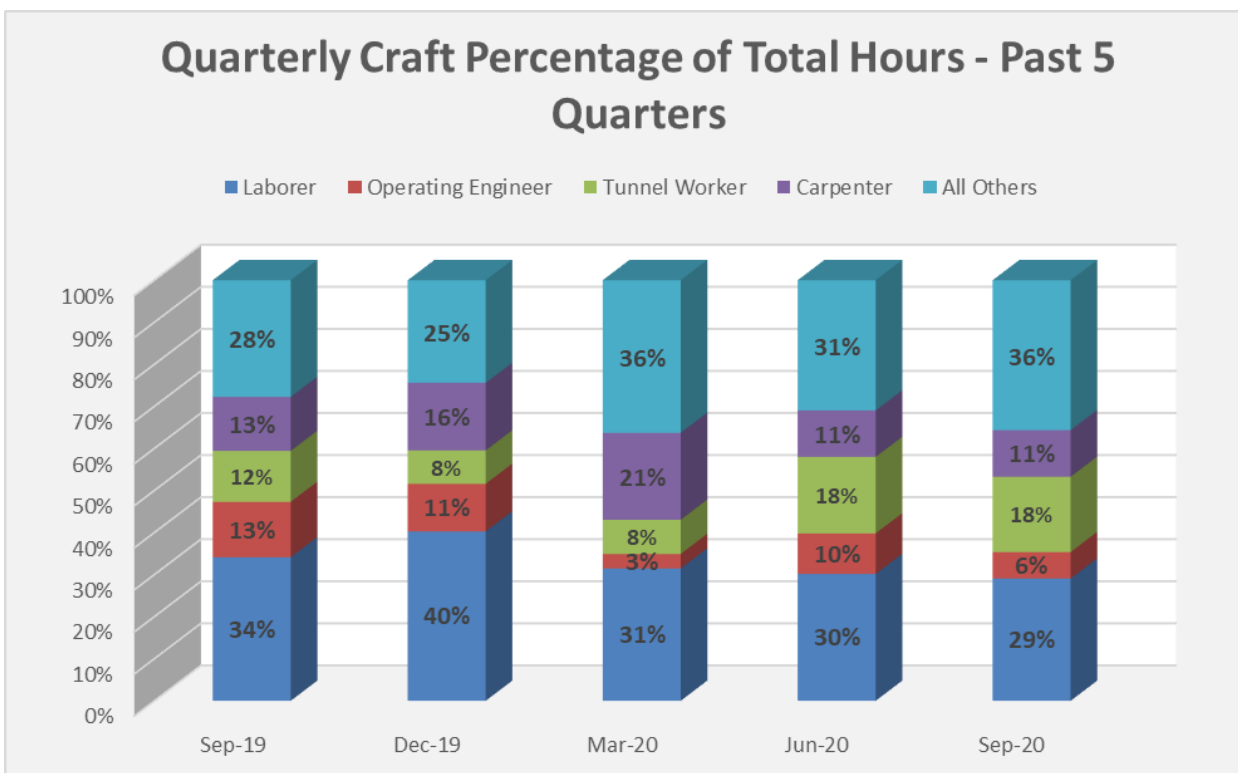
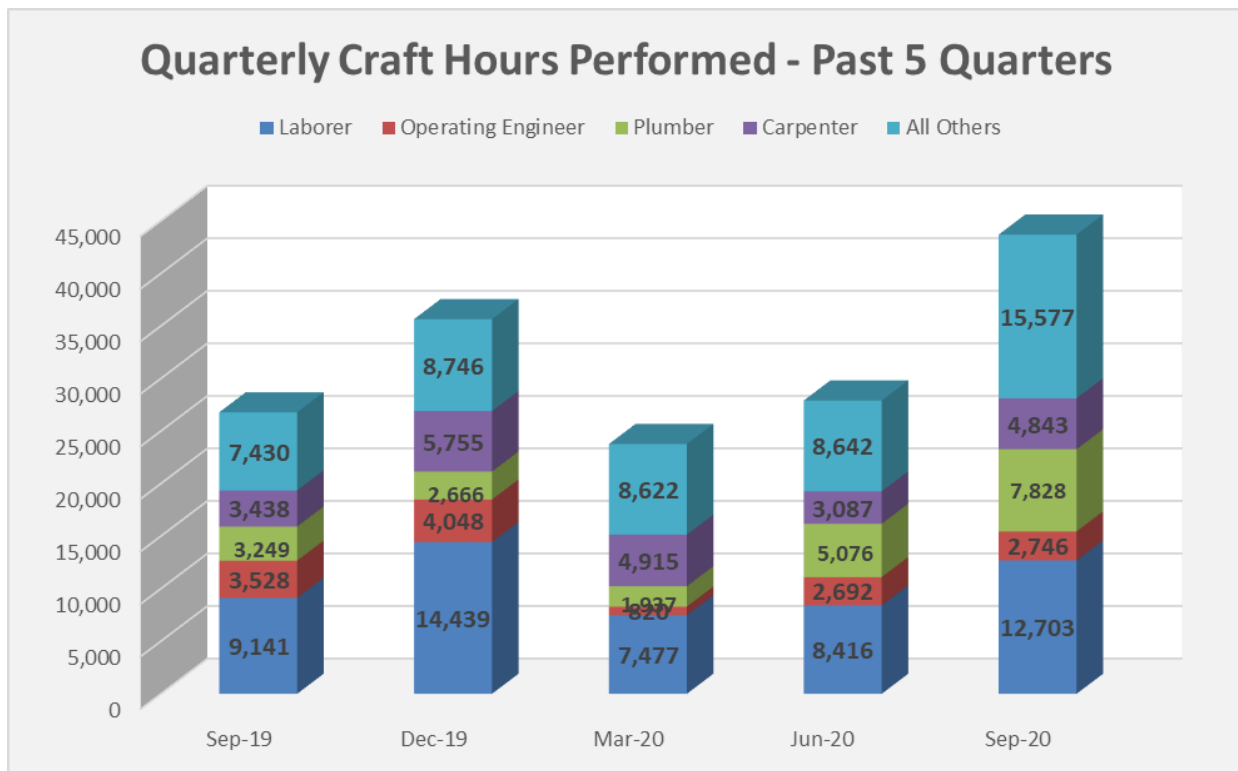
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 9-30-2020 Hours	Quarter Ending 9-30-2020 Wages
Laborer	2,981,276	\$ 92,924,226	12,703	\$ 513,263
Operating Engineer	1,855,893	\$ 78,331,336	2,746	\$ 232,220
Carpenter	763,657	\$ 32,677,266	4,843	\$ 282,221
Tunnel Worker	612,964	\$ 26,175,557	-	\$ -
Electrician	489,715	\$ 26,244,578	5,668	\$ 417,112
Plumber	443,834	\$ 21,304,286	7,828	\$ 533,690
Iron Worker	276,809	\$ 9,628,195	2,087	\$ 92,097
Pile Driver	181,764	\$ 9,710,884	-	\$ -
Painter	151,639	\$ 5,972,798	1,535	\$ 75,966
Cement Mason	128,460	\$ 4,521,592	252	\$ 10,535
Boilermaker	121,771	\$ 6,494,850	488	\$ 33,620
Building/Construction Inspector	88,822	\$ 5,004,016	68	\$ 3,322
Roofer	49,025	\$ 1,661,611	12	\$ 517
Sheet Metal Worker	28,575	\$ 1,475,207	3,929	\$ 238,005
Field Surveyor	22,095	\$ 1,262,291	-	\$ -
Drywall Installer/Lather	11,761	\$ 512,264	798	\$ 45,276
Plasterer	11,083	\$ 409,630	252	\$ 10,535
Bricklayer	8,899	\$ 341,242	24	\$ 1,076
Electrical Utility Lineman	6,909	\$ 425,367	-	\$ -
Glazier	4,834	\$ 237,178	441	\$ 19,255
Metal Roofing Systems Installer	2,586	\$ 92,217	-	\$ -
Asbestos Worker, Heat and Frost Insulator	920	\$ 55,784	-	\$ -
Brick Tender	895	\$ 30,418	-	\$ -
Driver	557	\$ 56,185	24	\$ 987
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	-	\$ -
	<b>8,246,029</b>	<b>325,598,139</b>	<b>43,697</b>	<b>2,509,697</b>
Teamster	136,065	\$ 6,427,969	-	\$ -
Driver (On/Off-Hauling To/From Construction Site)	99,543	\$ 7,464,064	433	\$ 43,906
Operating Engineer (Heavy And Highway Work) (Specialty)	95,289	\$ 4,512,513	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	79,393	\$ 3,676,393	-	\$ -
Asbestos Removal Worker (Laborer)	17,121	\$ 437,612	32	\$ 1,019
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	13,201	\$ 590,532	-	\$ -
Water Well Driller	12,313	\$ 608,914	-	\$ -
Tree Trimmer (High Voltage Line Clearance)	1,422	\$ 36,006	-	\$ -
Telecommunications Technician	1,160	\$ 37,245	-	\$ -
Landscape Maintenance Laborer	1,131	\$ 32,404	-	\$ -
Steel Erector And Fabricator (Operating Engineer - Heavy And Highway Work)	1,123	\$ 56,467	-	\$ -
Traffic Control/Lane Closure (Laborer)	888	\$ 31,991	-	\$ -
Dredger Operating Engineer	831	\$ 33,307	-	\$ -
Operating Engineer (Building Construction)	635	\$ 24,810	-	\$ -
Slurry Seal Worker	592	\$ 17,811	-	\$ -
Parking And Highway Improvement Painter (Painter)	247	\$ 10,082	-	\$ -
Ironworker (Db)	80	\$ 2,772	-	\$ -
Teamster (Special Single Shift Rate)	11	\$ 291	-	\$ -
<b>Total Non-Apprenticeable</b>	<b>461,043</b>	<b>\$ 24,001,183</b>	<b>465</b>	<b>\$ 44,925</b>
<b>Total Apprenticable</b>	<b>8,246,029</b>	<b>\$ 325,598,139</b>	<b>43,697</b>	<b>\$ 2,509,697</b>
<b>Total WSIP PLA</b>	<b>8,707,072</b>	<b>\$ 349,599,322</b>	<b>44,162</b>	<b>\$ 2,554,622</b>

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

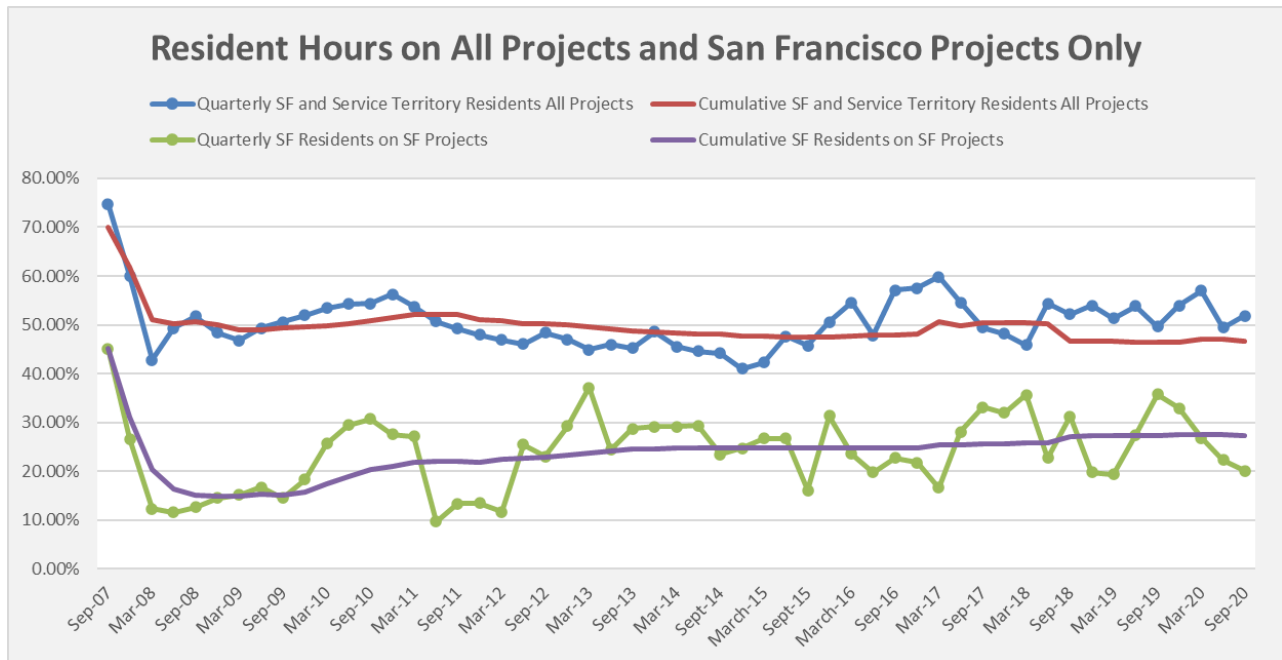


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**Worker Residence on the WSIP PLA**

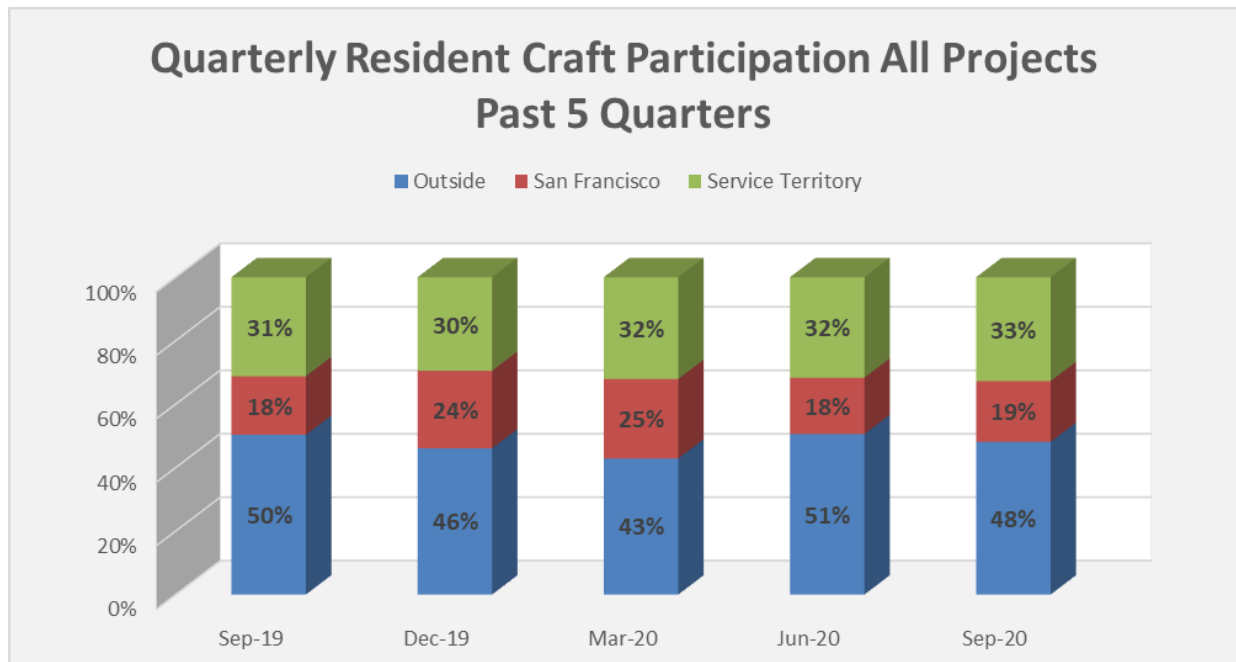
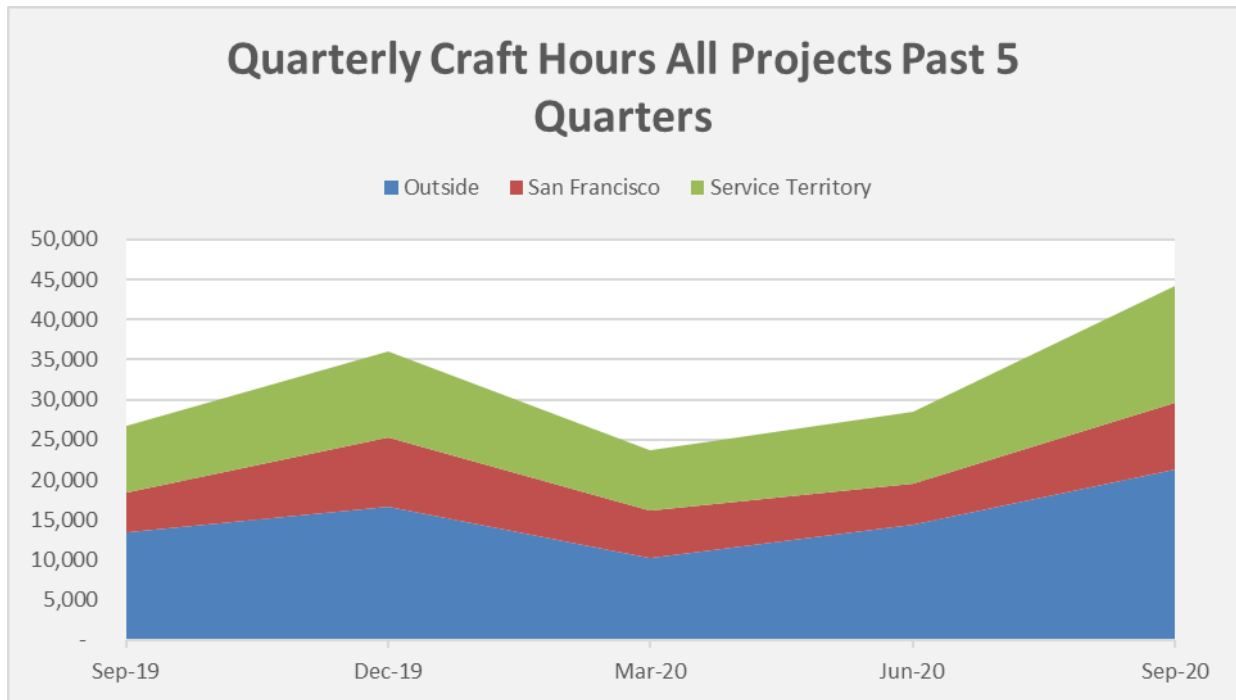
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through September 30, 2020.



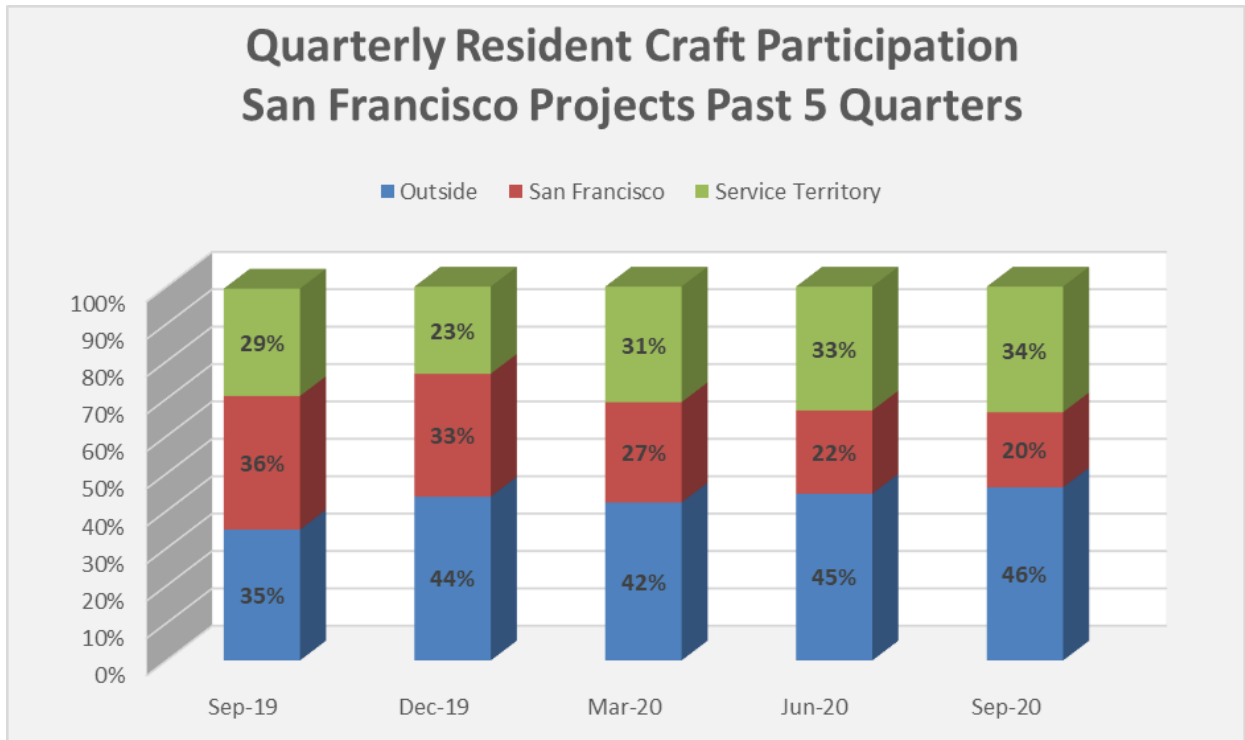
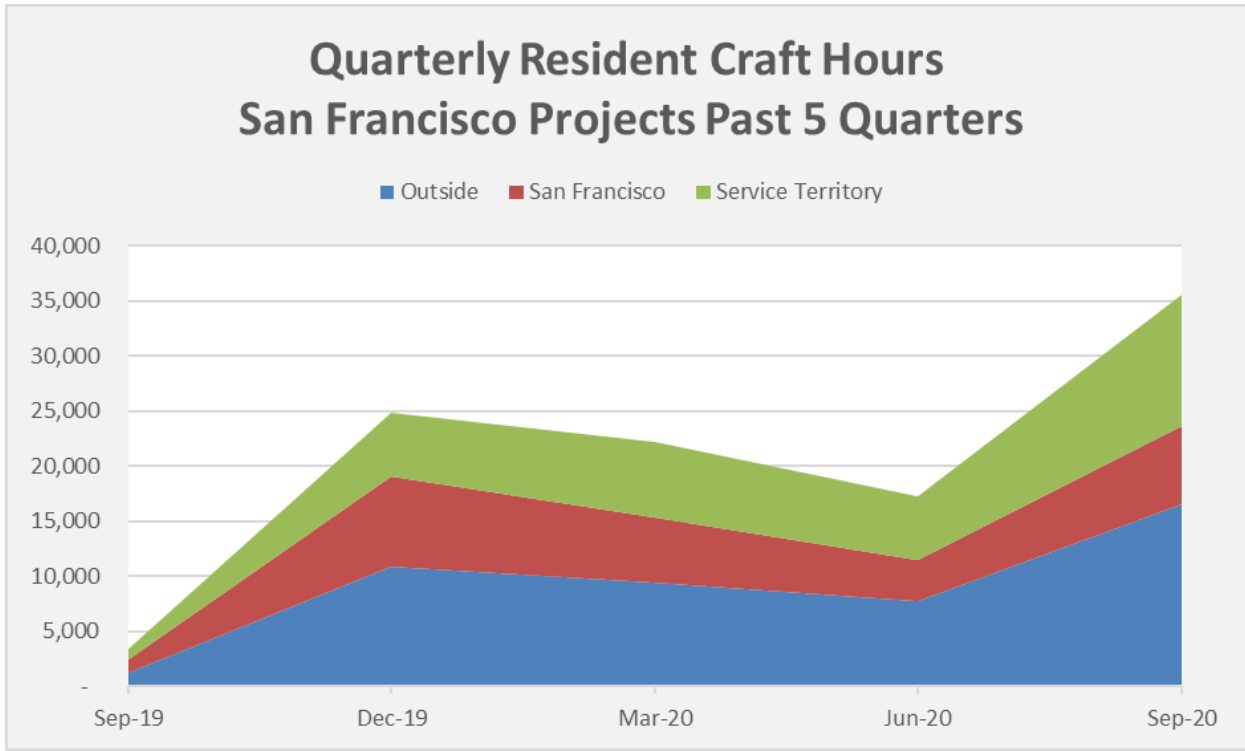
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**Residence on ALL WSIP PLA Projects** - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



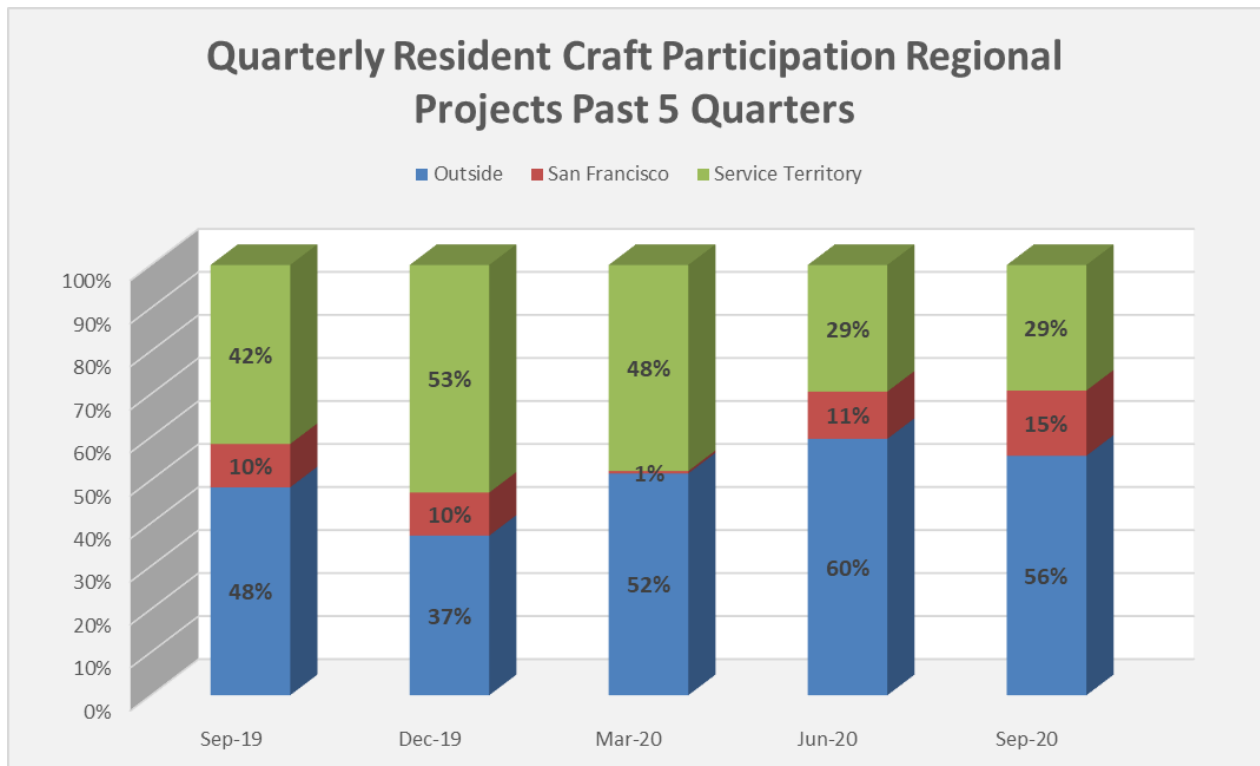
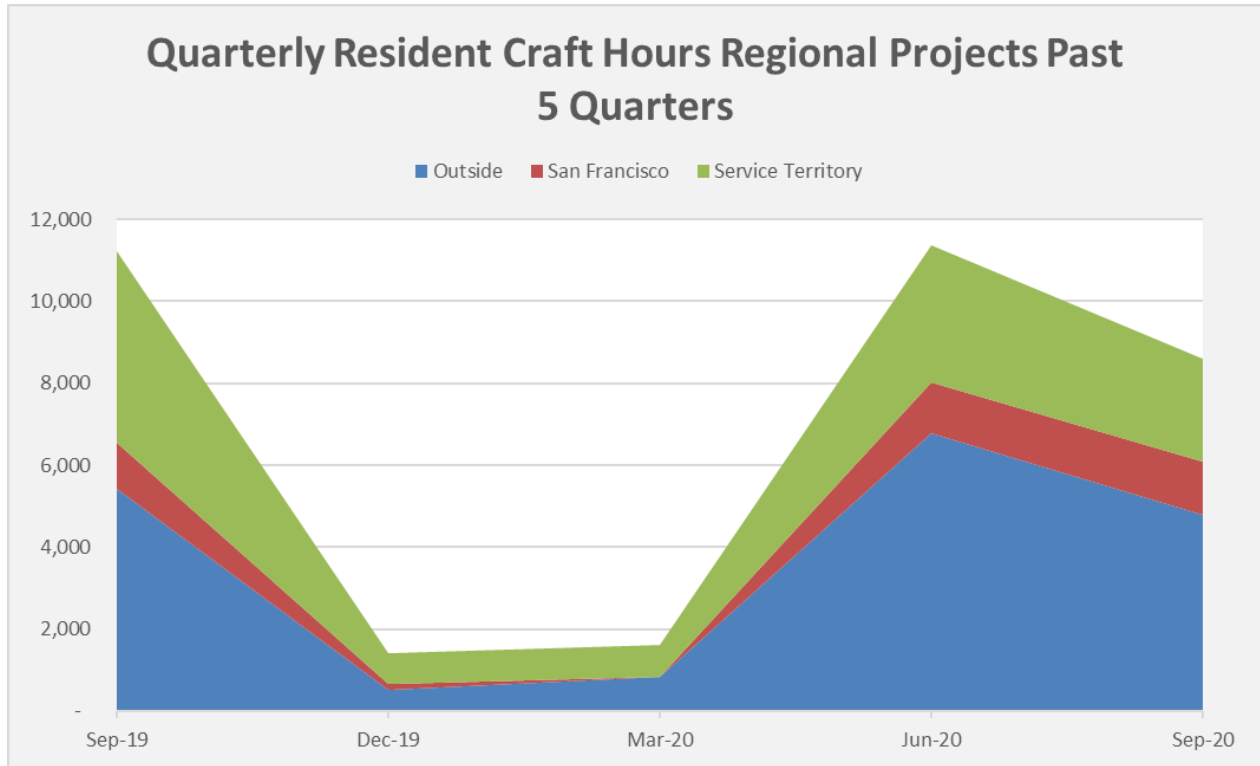
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**Residence on San Francisco-located WSIP PLA Projects** - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.



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



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**Residence by County**

Sorted by Total Craft Hours

<b>WSIP-PLA Employment by Top 20 Counties of Residence</b>					
Inception Through September 30, 2020					
<b>County</b>	<b>Total Craft Hours</b>	<b>Wages</b>	<b>% Craft Hours</b>	<b>Worker Count</b>	<b>FTE</b>
Alameda County	1,549,768	\$ 58,225,647	17.8%	2,990	745
Contra Costa County	1,232,388	\$ 48,988,776	14.2%	2,086	592
San Joaquin County	841,208	\$ 31,924,949	9.7%	1,297	404
San Mateo County	754,840	\$ 30,988,378	8.7%	1,335	363
<b>San Francisco County</b>	<b>625,192</b>	<b>\$ 24,322,954</b>	<b>7.2%</b>	<b>1,441</b>	<b>301</b>
Santa Clara County	454,515	\$ 18,307,914	5.2%	1,319	219
Solano County	434,215	\$ 17,684,611	5.0%	902	209
Stanislaus County	389,515	\$ 14,482,184	4.5%	656	187
Sacramento County	352,453	\$ 14,531,445	4.0%	650	169
Butte County	212,869	\$ 8,445,990	2.4%	132	102
Sonoma County	192,489	\$ 7,997,642	2.2%	390	93
Placer County	111,983	\$ 5,068,144	1.3%	141	54
Tuolumne County	102,588	\$ 3,982,918	1.2%	103	49
Calaveras County	101,582	\$ 4,516,595	1.2%	80	49
El Dorado County	88,624	\$ 3,770,176	1.0%	87	43
Los Angeles County	72,614	\$ 3,265,783	0.8%	145	35
Yolo County	71,668	\$ 2,991,491	0.8%	94	34
Shasta County	70,894	\$ 3,305,744	0.8%	47	34
Riverside County	65,996	\$ 3,122,393	0.8%	112	32
Clark County	62,062	\$ 2,842,502	0.7%	72	30
<b>Top 20 Counties by Hours</b>	<b>7,787,461</b>	<b>\$ 308,766,234</b>	<b>89.4%</b>	<b>14,079</b>	<b>3,744</b>
All Other Counties	919,611	\$ 40,833,088	10.6%	1,529	442
<b>WSIP-PLA Total</b>	<b>8,707,072</b>	<b>\$ 349,599,322</b>	<b>100.0%</b>	<b>15,608</b>	<b>4,186</b>



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**San Francisco Residents by Zip Code**

Sorted by Total Craft Hours

<b>Employment by San Francisco Zip Code</b>					
Inception Through September 30, 2020					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	119,637	\$ 4,289,787	19.1%	237	58
94124	105,814	\$ 4,332,333	16.9%	290	51
94116	85,303	\$ 3,970,452	13.6%	91	41
94110	83,768	\$ 2,963,198	13.4%	192	40
94134	40,935	\$ 1,247,400	6.5%	126	20
94122	34,902	\$ 1,678,150	5.6%	82	17
94103	24,034	\$ 734,442	3.8%	41	12
94121	20,205	\$ 813,449	3.2%	58	10
94127	15,034	\$ 670,745	2.4%	24	7
94118	14,929	\$ 734,235	2.4%	21	7
94132	10,922	\$ 442,082	1.7%	37	5
94117	10,718	\$ 291,982	1.7%	18	5
94107	10,019	\$ 378,389	1.6%	32	5
94102	8,852	\$ 387,998	1.4%	23	4
94131	7,567	\$ 244,204	1.2%	30	4
94133	6,338	\$ 250,631	1.0%	13	3
94109	5,035	\$ 160,992	0.8%	24	2
94114	4,465	\$ 196,710	0.7%	17	2
94108	3,949	\$ 125,101	0.6%	9	2
94115	3,265	\$ 120,164	0.5%	28	2
94130	3,179	\$ 67,807	0.5%	12	2
94142	1,740	\$ 68,149	0.3%	7	1
94111	915	\$ 21,546	0.1%	3	0
94123	852	\$ 40,062	0.1%	4	0
94104	677	\$ 22,206	0.1%	3	0
94105	484	\$ 15,548	0.1%	6	0
94129	447	\$ 14,182	0.1%	1	0
94188	366	\$ 9,790	0.1%	3	0
94140	288	\$ 11,589	0.0%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94158	110	\$ 5,839	0.0%	6	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
<b>Total</b>	<b>625,192</b>	<b>\$ 24,322,954</b>	<b>100.0%</b>	<b>1,374</b>	<b>301</b>
<b>WSIP-PLA Total</b>	<b>8,707,072</b>	<b>\$ 349,599,322</b>	<b>-</b>	<b>15,608</b>	<b>4,186</b>

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**Residence by Craft**

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through September 30, 2020							
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
Operating Engineer	1,855,893	68,625	662,823	1,124,444	3.7%	35.7%	60.6%
Carpenter	763,657	90,681	311,209	361,768	11.9%	40.8%	47.4%
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%
Electrician	489,715	28,340	254,558	206,817	5.8%	52.0%	42.2%
Plumber	443,834	91,166	148,760	203,909	20.5%	33.5%	45.9%
Iron Worker	276,809	18,196	106,239	152,374	6.6%	38.4%	55.0%
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%
Painter	151,639	9,726	17,442	124,472	6.4%	11.5%	82.1%
Cement Mason	128,460	10,345	54,960	63,156	8.1%	42.8%	49.2%
Boilermaker	121,771	48	23,484	98,239	0.0%	19.3%	80.7%
Building/Construction Inspector	88,822	3,987	12,214	72,621	4.5%	13.8%	81.8%
Roofer	49,025	4,487	25,385	19,153	9.2%	51.8%	39.1%
Sheet Metal Worker	28,575	2,857	14,117	11,602	10.0%	49.4%	40.6%
Field Surveyor	22,095	1,382	4,038	16,676	6.3%	18.3%	75.5%
Drywall Installer/Lather	11,761	4,162	2,298	5,301	35.4%	19.5%	45.1%
Plasterer	11,083	6,646	1,148	3,289	60.0%	10.4%	29.7%
Bricklayer	8,899	82	4,281	4,536	0.9%	48.1%	51.0%
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%
Glazier	4,834	1,158	1,560	2,117	23.9%	32.3%	43.8%
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	557	541	8	7	97.3%	1.4%	1.3%
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%
Tile Setter	351	-	344	7	0.0%	98.0%	2.0%
Tile Finisher	277	-	237	40	0.0%	85.6%	14.4%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	64	-	32	32	0.0%	50.0%	50.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
<b>Total Apprenticeable</b>	<b>5,264,753</b>	<b>360,561</b>	<b>1,910,673</b>	<b>2,993,520</b>	<b>6.8%</b>	<b>36.3%</b>	<b>56.9%</b>
Laborer	2,981,276	236,304	1,283,821	1,461,152	7.9%	43.1%	49.0%
<b>Non-Apprenticeable</b>							
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%
Driver (On/Off-Hauling To/From Construction)	99,543	17,978	65,756	15,809	18.1%	66.1%	15.9%
Operating Engineer (Heavy And Highway We	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%
Parking And Highway Improvement Painter (	247	-	165	82	0.0%	66.8%	33.2%
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%
<b>Total Non-Apprenticeable</b>	<b>461,043</b>	<b>28,327</b>	<b>237,573</b>	<b>195,142</b>	<b>6.1%</b>	<b>51.5%</b>	<b>42.3%</b>
<b>Total WSIP PLA</b>	<b>8,707,072</b>	<b>625,192</b>	<b>3,432,067</b>	<b>4,649,814</b>	<b>7.2%</b>	<b>39.4%</b>	<b>53.4%</b>

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**Residence by Project**

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary Through September 30, 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 Replacem	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	161,946	26,596	82,615	52,735	16.4%	51.0%	32.6%
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-2776 - SF Westside Recycled Wat	135,164	33,945	35,948	65,270	25.1%	26.6%	48.3%
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 Proj	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-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 P	47,910	4,201	13,222	30,486	8.8%	27.6%	63.6%
WD-2641R - Habitat Reserve Program	44,018	8,771	10,167	25,081	19.9%	23.1%	57.0%
WD-2564 - HTWTP - Short Term Improv	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1%
WD-2798 - SF Westside Recycled Wat	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2829R - San Andreas Pipeline No.	32,886	4,349	9,246	19,291	13.2%	28.1%	58.7%
WD-2654R - Peninsula Vegetation Rerr	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2809 - SF Groundwater Supply Pha	30,360	5,881	3,044	21,435	19.4%	10.0%	70.6%
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 M	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2797 - SF Westside Recycled Wat	22,033	7,719	10,048	4,266	35.0%	45.6%	19.4%
WD-2665 - Bav Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvem	12,859	0	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restora	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Da	8,201	291	3,270	4,640	3.6%	39.9%	56.6%
WD-2600 - Regional Groundwater Stora	6,088	0	296	5,792	0.0%	4.9%	95.1%
WD-2855 - Turner Dam Spillway and Pd	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%
<b>Total WSIP PLA</b>	<b>8,707,072</b>	<b>625,192</b>	<b>3,432,067</b>	<b>4,649,814</b>	<b>7.2%</b>	<b>39.4%</b>	<b>53.4%</b>

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**Apprentice Utilization**

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

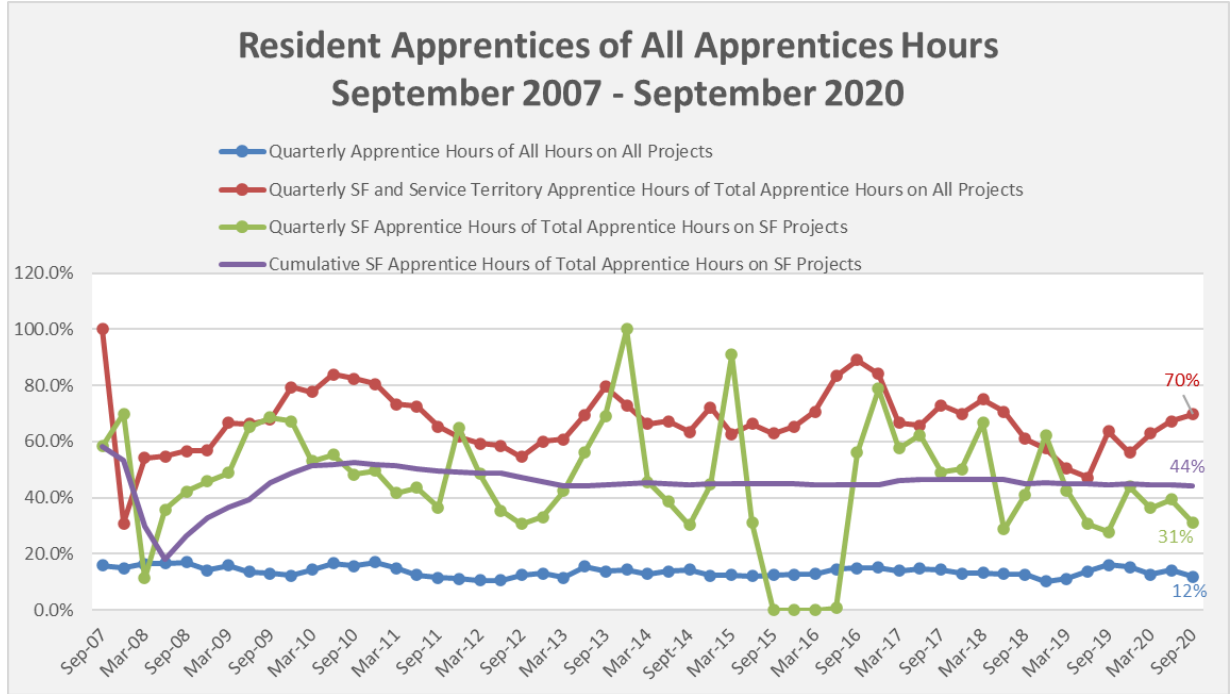
Through the end of the current quarter, 13.2% of craft hours in apprenticeable trades have been worked by apprentices. 16% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Regional Service Territory, or 69% combined.

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	1,855,893	209,075	25,360	86,299	97,417	11.3%	1.4%	4.6%	12.1%	41.3%	46.6%
A - Carpenter	763,657	121,970	32,255	56,989	32,727	16.0%	4.2%	7.5%	26.4%	46.7%	26.8%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	489,715	93,322	11,816	63,645	17,861	19.1%	2.4%	13.0%	12.7%	68.2%	19.1%
A - Plumber	443,834	120,873	35,529	57,707	27,636	27.2%	8.0%	13.0%	29.4%	0.0%	0.0%
A - Iron Worker	276,809	61,319	10,976	26,970	23,374	22.2%	4.0%	9.7%	17.9%	44.0%	38.1%
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%
A - Painter	151,639	25,756	1,747	6,426	17,583	17.0%	1.2%	4.2%	6.8%	24.9%	68.3%
A - Cement Mason	128,460	6,448	4,173	1,124	1,151	5.0%	3.2%	0.9%	64.7%	17.4%	17.9%
A - Boilermaker	121,771	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%
A - Building/Construction Inspector	88,822	5,068	17	1,254	3,797	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%
A - Roofer	49,025	12,218	1,960	5,312	4,946	24.9%	4.0%	10.8%	0.0%	0.0%	0.0%
A - Sheet Metal Worker	28,575	4,423	307	3,080	1,037	15.5%	1.1%	10.8%	6.9%	69.6%	23.4%
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	11,761	525	68	283	174	4.5%	0.6%	2.4%	13.0%	53.9%	33.1%
A - Plasterer	11,083	347	136	-	211	3.1%	1.2%	0.0%	39.2%	0.0%	60.8%
A - Bricklayer	8,899	2,788	82	679	2,027	31.3%	0.9%	7.6%	2.9%	24.4%	72.7%
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%
A - Glazier	4,834	754	532	80	142	15.6%	11.0%	1.7%	70.6%	10.6%	18.8%
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	557	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Carpet Layer	354	27	-	23	4	7.6%	0.0%	6.5%	0.0%	85.2%	14.8%
A - Tile Setter	351	20	-	20	-	5.7%	0.0%	5.7%	0.0%	0.0%	0.0%
A - Tile Finisher	277	40	-	-	40	14.4%	0.0%	0.0%	0.0%	0.0%	100.0%
A - Terrazzo Worker	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Sprinkler Fitter	64	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Marble Finisher	40	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Terrazzo Finisher	4	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sub-Total Apprenticeable	5,264,753	687,509	129,481	321,861	236,166	13.1%	2.5%	6.1%	18.8%	46.8%	34.4%
A - Laborer	2,981,276	404,571	46,493	260,887	97,190	13.6%	1.6%	8.8%	11.5%	64.5%	24.0%
Total Apprenticeable	8,246,029	1,092,080	175,975	582,748	333,357	13.2%	2.1%	7.1%	16.1%	53.4%	30.5%
Total Non-Apprenticeable	461,043										
Total WSIP - Covered by PLA	8,707,072										

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For the three months ending September 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.



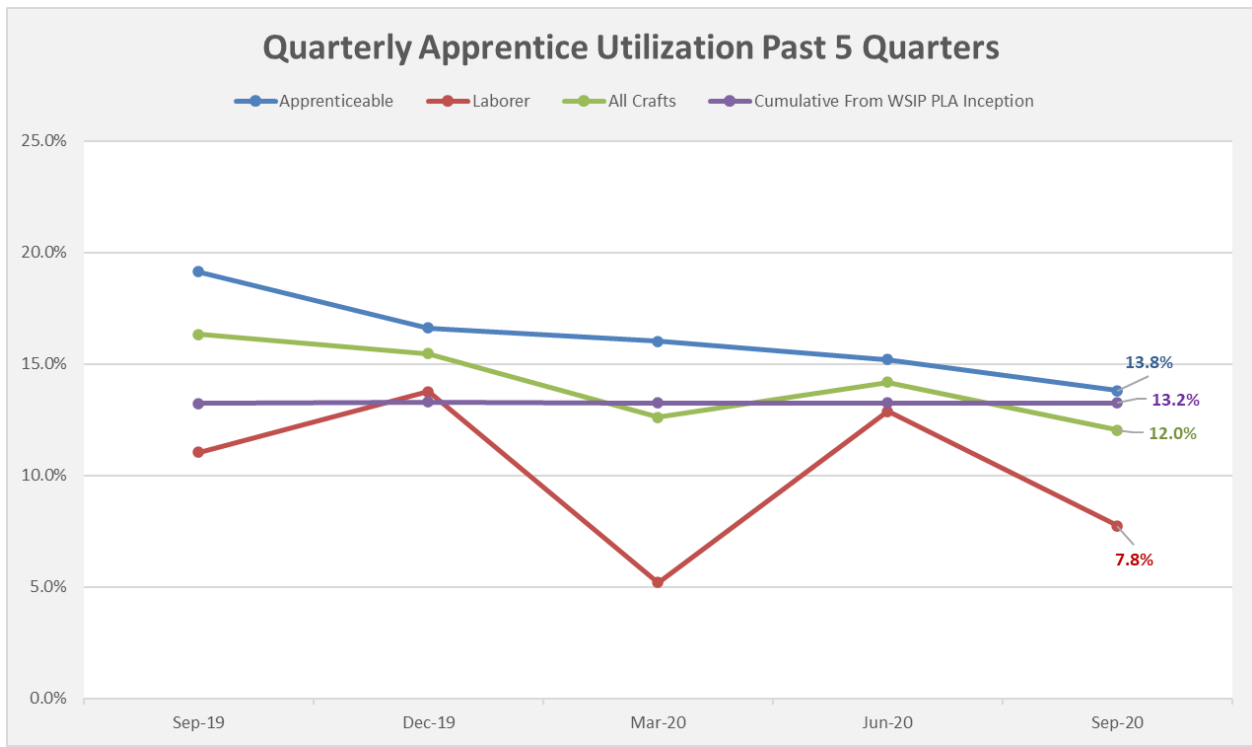
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.2%.

WSIP - Covered by PLA Apprentice Utilization By Project											
Inception Through September 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 - Advanced Meter Infras	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 Faci	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 - Bioregional Habitat	110,655	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	19.1%
WD-2798 - San Francisco Wes	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
WD-2727 - Peninsula Pipeline	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%
WD-2552 - Alameda Siphon No	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	15.5%	19.6%	17.1%
WD-2575 - San Antonio Backu	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2498 - New Crystal Spring	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2640 - Bioregional Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2539 - University Mound R	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-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-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	161,946	101,660	1,079	59,207	160,867	18,467	7,375	25,842	18.2%	12.5%	16.1%
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-2776 - San Francisco Wes	135,164	103,855	113	31,196	135,051	19,287	1,772	21,059	18.6%	5.7%	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 - Harry Tracy Water	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 R	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-2797 - San Francisco Wes	22,033	10,590	-	11,443	22,033	1,324	1,750	3,074	12.5%	15.3%	13.9%
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2513 - San Andreas Pipeli	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%
WD-2622 - San Francisco Gro	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 - San Francisco Gr	52,623	31,711	-	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%
WD-2822R2 - Lower Crystal Sp	8,201	1,882	264	6,056	7,937	235	699	933	12.5%	11.5%	11.8%
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	0.0%	7.8%	10.9%
WD-2548 - Lake Merced Pump	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	10.9%
WD-2809 - San Francisco Gro	30,360	14,988	-	15,372	30,360	2,666	625	3,291	17.8%	4.1%	10.8%
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 / S	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 Cr	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2829R - San Andreas Pipe	32,886	15,442	1,608	15,836	31,278	470	2,318	2,788	3.0%	14.6%	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 Innington 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 - Bioregional Habitat	23,492	16,708	-	6,784	23,492	228	1,615	1,843	1.4%	23.8%	7.8%
WD-2589 - Supervisory Contro	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 Vegeta	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 - Harry Tracy Water	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	2,088	-	-	-	0.0%	0.0%	0.0%
<b>WSIP - Covered by PLA (57 Pr</b>	<b>8,707,072</b>	<b>5,264,753</b>	<b>458,991</b>	<b>2,983,327</b>	<b>8,248,081</b>	<b>687,509</b>	<b>404,571</b>	<b>1,092,080</b>	<b>13.1%</b>	<b>13.6%</b>	<b>13.2%</b>

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



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**Substance Abuse Prevention**

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

**15,129** pre-employment tests have been administered as of September 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.



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<b>WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary</b>	
Tests Administered to Individuals Cleared to Work Through 9/30/2020	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Project	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	314
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
WD-2668 - Regional Groundwater Storage and Recovery	265
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	226
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2513 - San Andreas Pipeline No.3 Installation Project	178
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
WD-2575 - San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	125
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Project	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2829R - San Andreas Pipeline No. 2 Replacement	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2654R - Peninsula Vegetation Removal	34
WD-2511 - Standby Power Facilities, Various Locations	30
WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30
WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28
WD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassla	23
WD-2600 - Regional Groundwater Storage and Recovery Project- Test Well Drilling	22
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	10
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	-
<b>Total Cleared</b>	<b>15,129</b>

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**Legislative History of the WSIP PLA**

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

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

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

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

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

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

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**Governance**

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

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

**Pre-Job Conferences and Jurisdictional Disputes**

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

**Web-Based Labor Compliance Program**

All SFPUC construction projects including those covered by the WSIP PLA utilize the City's web-based labor compliance program (LCPtracker, Inc.) which allows contractors to submit their weekly certified payroll reports electronically over the internet. LCPtracker' 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, 2020  
(Second Quarter FY 2020-2021)**

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San Francisco Public Utilities Commission  
Water System Improvement Program Project Labor Agreement  
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**Executive Summary**

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty-nine (59) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.218 billion in original contract award through December 31, 2020.

Construction Activity Highlights – Program-to-Date

**Contracting:**

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

**Employment:**

- Since inception, 15,781 construction workers were employed for 8,732,453 hours and earned wages of \$351,042,179 on WSIP PLA-covered projects.
- 1,471 San Francisco residents worked 630,010 hours and earned \$24,638,884 on WSIP PLA-covered projects representing 7% of covered hours and 303 full-time equivalent worker years.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. 6,416 residents of the Regional Service Territory earned wages of \$133,779,275 and worked 3,440,809 hours, representing 39% of covered hours and 1,654 full-time equivalent worker years.
- 15,169 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of December 31, 2020. 203 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Region of Worker Residence	Inception Through December 31, 2020			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	15,781	8,732,453	\$ 351,042,179	4,198
San Francisco	1,471	631,010	\$ 24,638,884	303
SFPUC Service Territory	6,416	3,440,809	\$ 133,779,275	1,654
Outside	7,894	4,660,635	\$ 192,624,020	2,241

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Construction Activity Highlights – Quarter Ending December 31, 2020

**Contracting:**

- There were no contracts awarded during the reporting period.

**Employment:**

- 280 construction workers were employed for 25,381 hours and earned wages of \$1,442,858 on WSIP PLA-covered projects.
- 54 San Francisco residents worked 5,819 hours and earned wages of \$315,930 on WSIP PLA-covered projects.
- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 92 residents of the Regional Service Territory worked 8,742 hours and earned wages of \$447,165 on WSIP PLA-covered projects.
- 40 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and one individual was prevented from working as the result of a positive test.

**Summary of Craft Worker Employment**

Region of Worker Residence	Three Months Ending December 31, 2020			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	280	25,381	\$ 1,442,858	12
San Francisco	54	5,819	\$ 315,930	3
SFPUC Service Territory	92	8,742	\$ 447,165	4
Outside	134	10,821	\$ 679,763	5

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

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**Summary of WSIP PLA-Covered Contract Awards**

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA						
Inception through December 31, 2020						
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$	
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation System	\$3 Million	\$ 2,483,525	
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station and	\$20 Million	\$ 15,633,200	
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$ 1,498,010	
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Channel	\$5.8 Million	\$ 4,784,700	
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200	
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facility	\$70 to \$80 Million	\$ 87,597,000	
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$ 9,780,000	
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$ 21,729,720	
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	\$30 Million	\$ 28,939,300	
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544	
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100	
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047	
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$ 8,676,685	
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ 20,736,380	
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ 31,372,335	
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ 27,453,000	
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500	
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000	
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Park	\$5.9 to \$6.7 Million	\$ 5,591,750	
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000	
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million	\$ 2,998,685	
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100	
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400	
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas	\$6.4 Million	\$ 6,499,000	
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000	
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416	
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850	
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000	
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350	
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379	
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400	
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000	
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$ 5,251,100	
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700	
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160	
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817	
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530	
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400	
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005	
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250	
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000	
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000	
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000	
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350	
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000	
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695	
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000	
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000	
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980	
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500	
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000	
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000	
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562	
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370	
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000	
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000	
12/07/07	WD-2501*	Monterey Mechanical	Aleman Pump Station	\$18 to \$22 Million	\$ 23,269,000	
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000	
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960	
<b>Total 59 Projects</b>					<b>\$ 2,218,827,955</b>	

\* indicates projects located in San Francisco

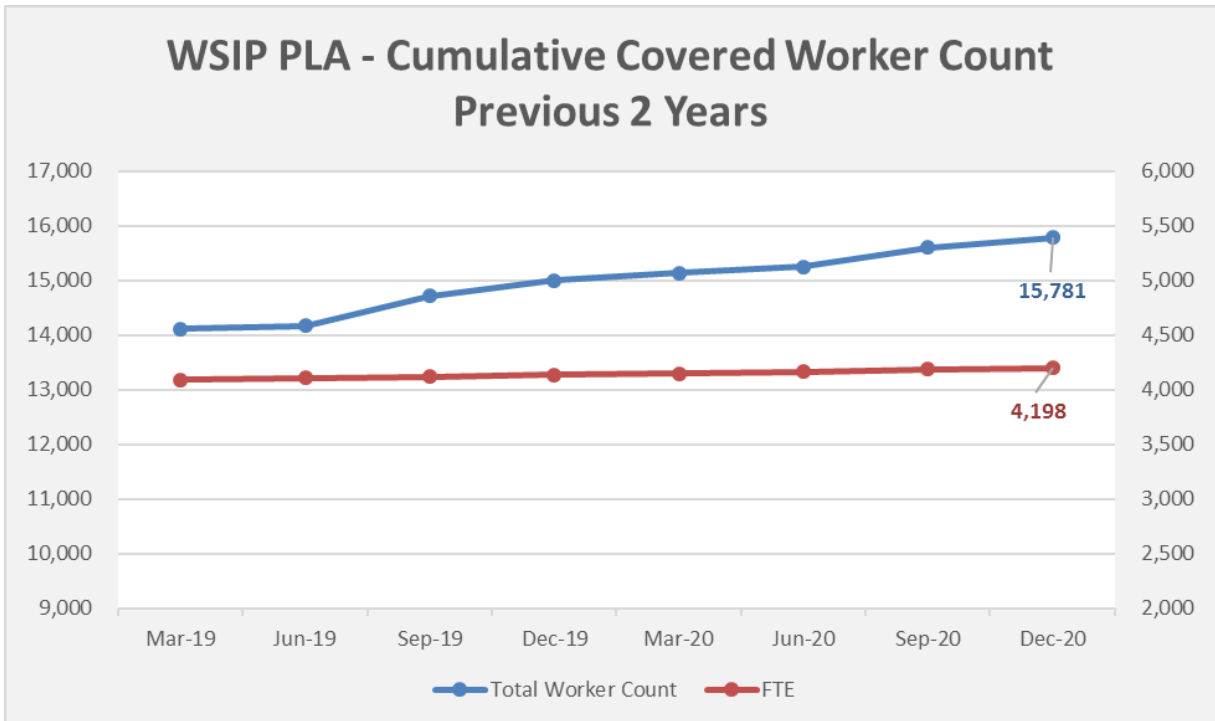
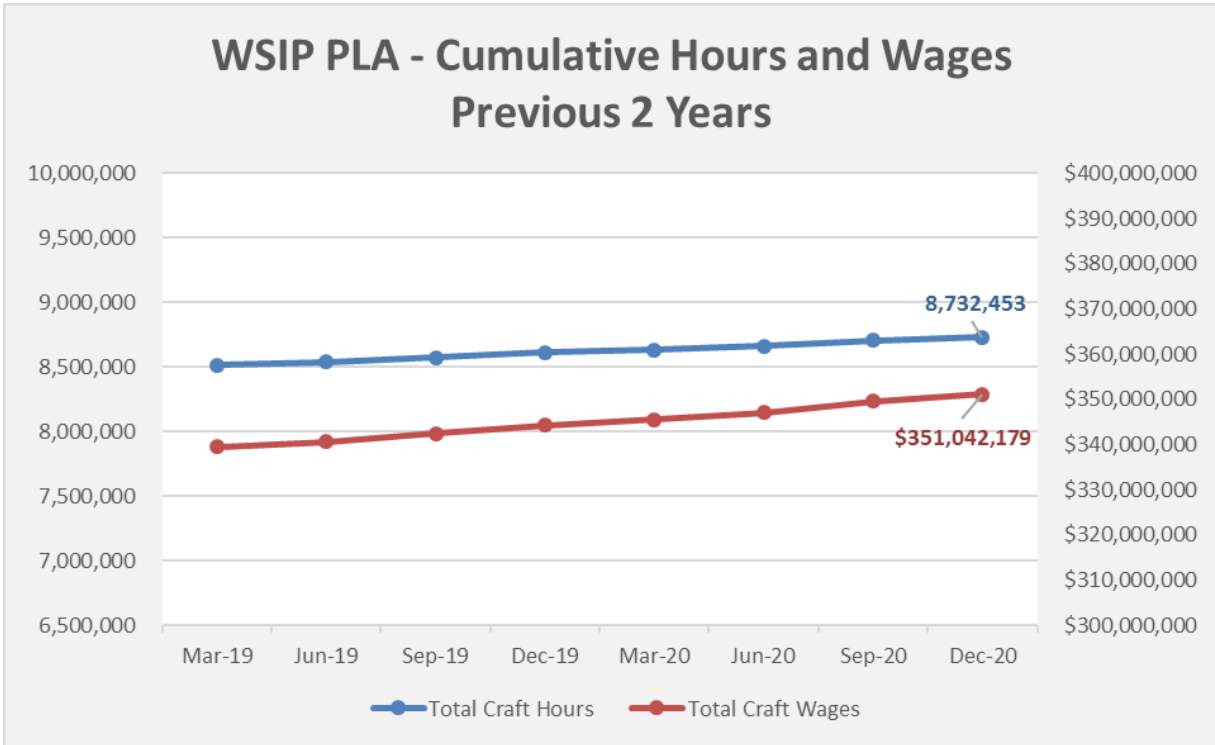


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**Summary Charts**

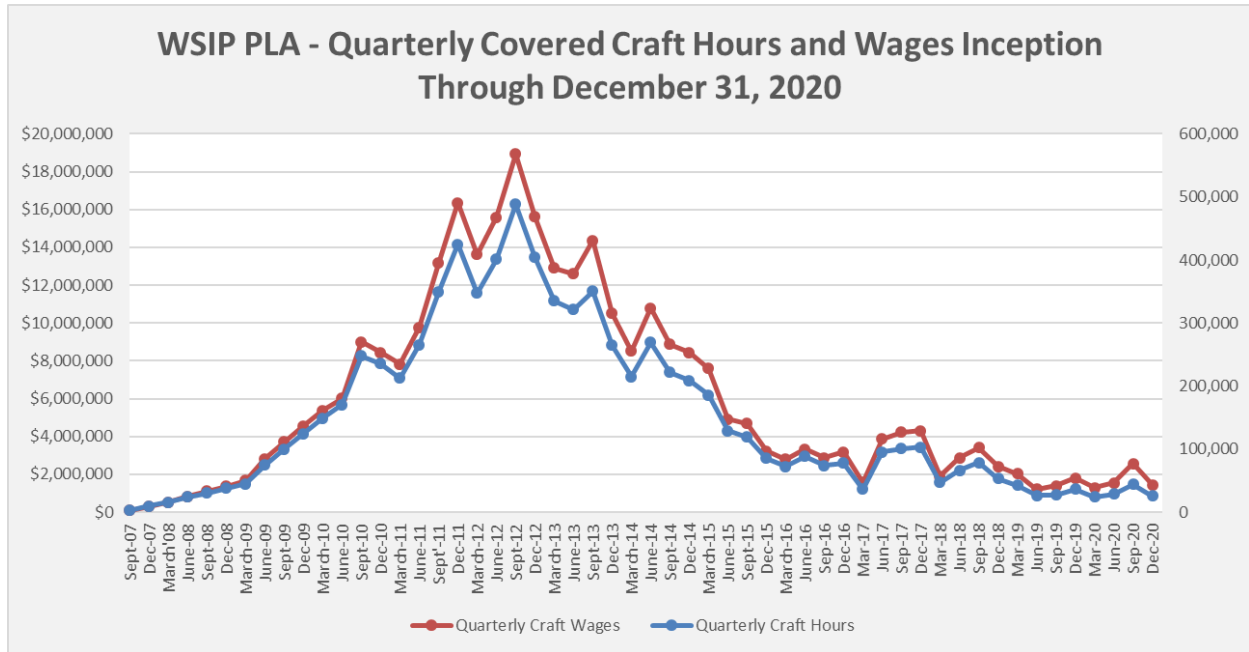
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending December 31, 2020, 15,781 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,732,453 craft hours and \$351,042,179 in craft wages.

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

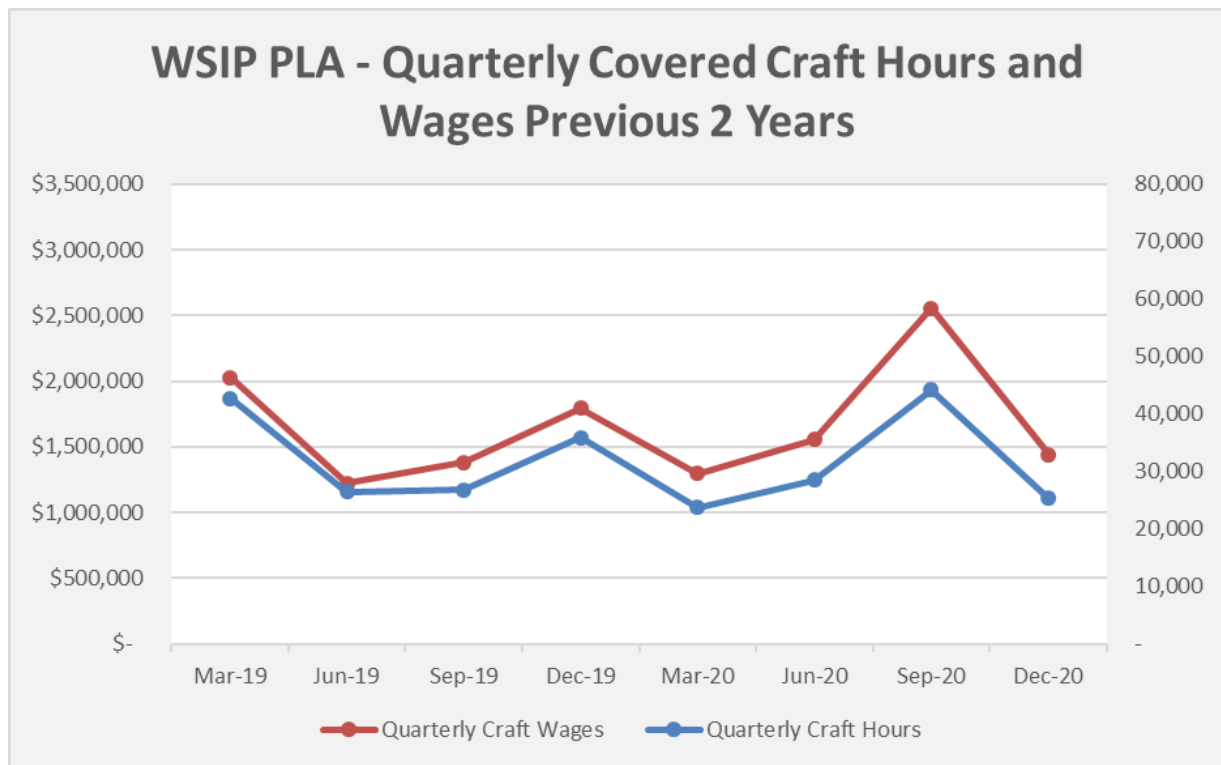


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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**Craft Utilization on WSIP PLA-Covered Projects**

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

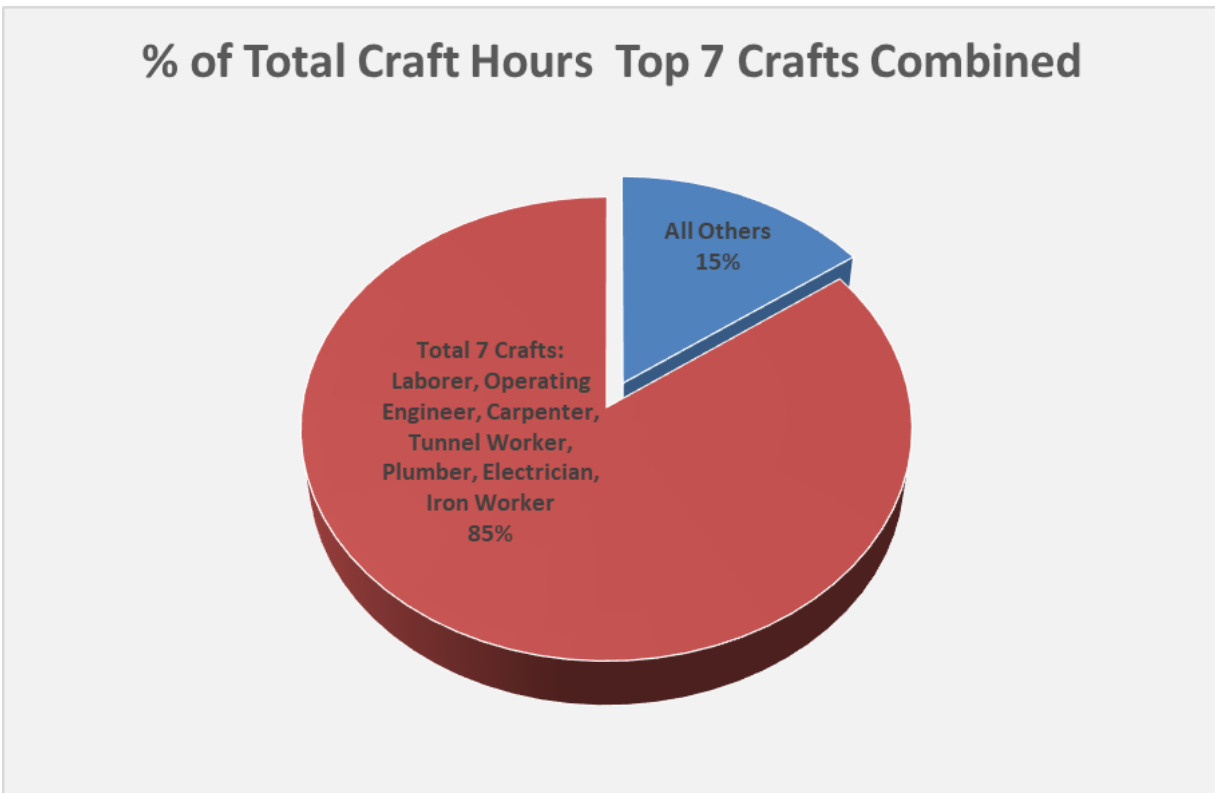
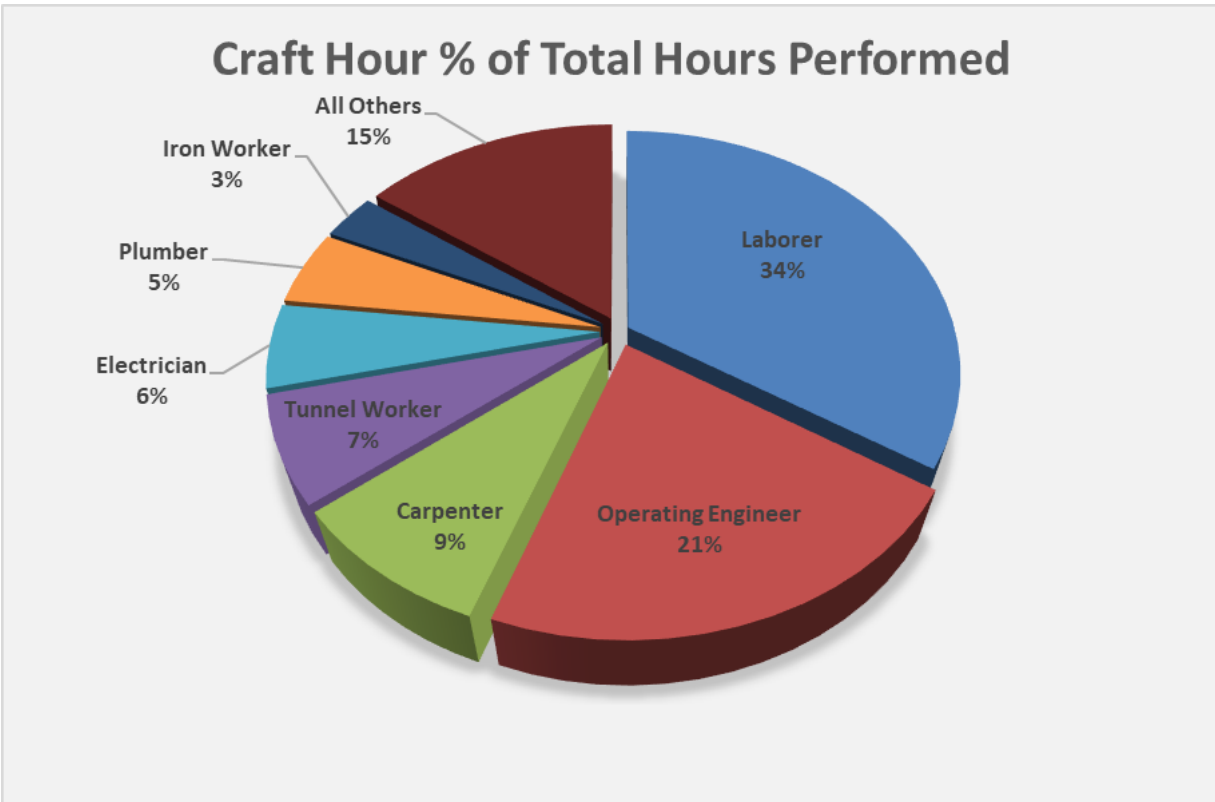
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

<b>Cumulative Employment by Craft</b>					
Inception Through December 31, 2020					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
Laborer	2,987,266	\$ 93,166,691	34.2%	26.5%	1,436
Operating Engineer	1,857,090	\$ 78,404,785	21.3%	22.3%	893
Carpenter	765,182	\$ 32,766,704	8.8%	9.3%	368
Tunnel Worker	612,964	\$ 26,175,557	7.0%	7.5%	295
Electrician	496,079	\$ 26,683,578	5.7%	7.6%	238
Plumber	449,230	\$ 21,658,930	5.1%	6.2%	216
Iron Worker	277,026	\$ 9,637,638	3.2%	2.7%	133
<b>Top 7 Sub-Total</b>	<b>7,444,837</b>	<b>\$ 288,493,882</b>	<b>85.3%</b>	<b>82.2%</b>	<b>3,579</b>
Pile Driver	181,764	\$ 9,710,884	2.1%	2.8%	87
Painter	151,835	\$ 5,980,839	1.7%	1.7%	73
Cement Mason	128,556	\$ 4,524,745	1.5%	1.3%	62
Boilermaker	121,771	\$ 6,494,850	1.4%	1.9%	59
Building/Construction Inspector	88,866	\$ 5,006,218	1.0%	1.4%	43
Roofer	50,048	\$ 1,705,160	0.6%	0.5%	24
Sheet Metal Worker	29,929	\$ 1,551,290	0.3%	0.4%	14
Field Surveyor	22,095	\$ 1,262,291	0.3%	0.4%	11
Drywall Installer/Lather	12,834	\$ 569,208	0.1%	0.2%	6
Plasterer	11,222	\$ 415,086	0.1%	0.1%	5
Bricklayer	8,899	\$ 341,242	0.1%	0.1%	4
Electrical Utility Lineman	6,909	\$ 425,367	0.1%	0.1%	3
Glazier	5,180	\$ 252,080	0.1%	0.1%	2
Metal Roofing Systems Installer	2,586	\$ 92,217	0.0%	0.0%	1
Asbestos Worker, Heat and Frost Insu	1,259	\$ 71,950	0.0%	0.0%	1
Brick Tender	895	\$ 30,418	0.0%	0.0%	0
Driver	557	\$ 56,185	0.0%	0.0%	0
Carpet Layer	354	\$ 16,311	0.0%	0.0%	0
Tile Setter	351	\$ 12,929	0.0%	0.0%	0
Tile Finisher	277	\$ 5,836	0.0%	0.0%	0
Terrazzo Worker	199	\$ 8,163	0.0%	0.0%	0
Sprinkler Fitter	64	\$ 4,417	0.0%	0.0%	0
Marble Finisher	40	\$ 1,342	0.0%	0.0%	0
Terrazzo Finisher	4	\$ 160	0.0%	0.0%	0
<b>Remaining Apprenticeable Sub-Total</b>	<b>826,491</b>	<b>\$ 38,539,191</b>	<b>9.5%</b>	<b>11.0%</b>	<b>397</b>
<b>Total Non-Apprenticeable</b>	<b>461,125</b>	<b>\$ 24,009,106</b>	<b>5.3%</b>	<b>6.8%</b>	<b>222</b>
<b>Total WSIP-Covered by PLA</b>	<b>8,732,453</b>	<b>\$ 351,042,179</b>	<b>100.0%</b>	<b>100.0%</b>	<b>4,198</b>

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



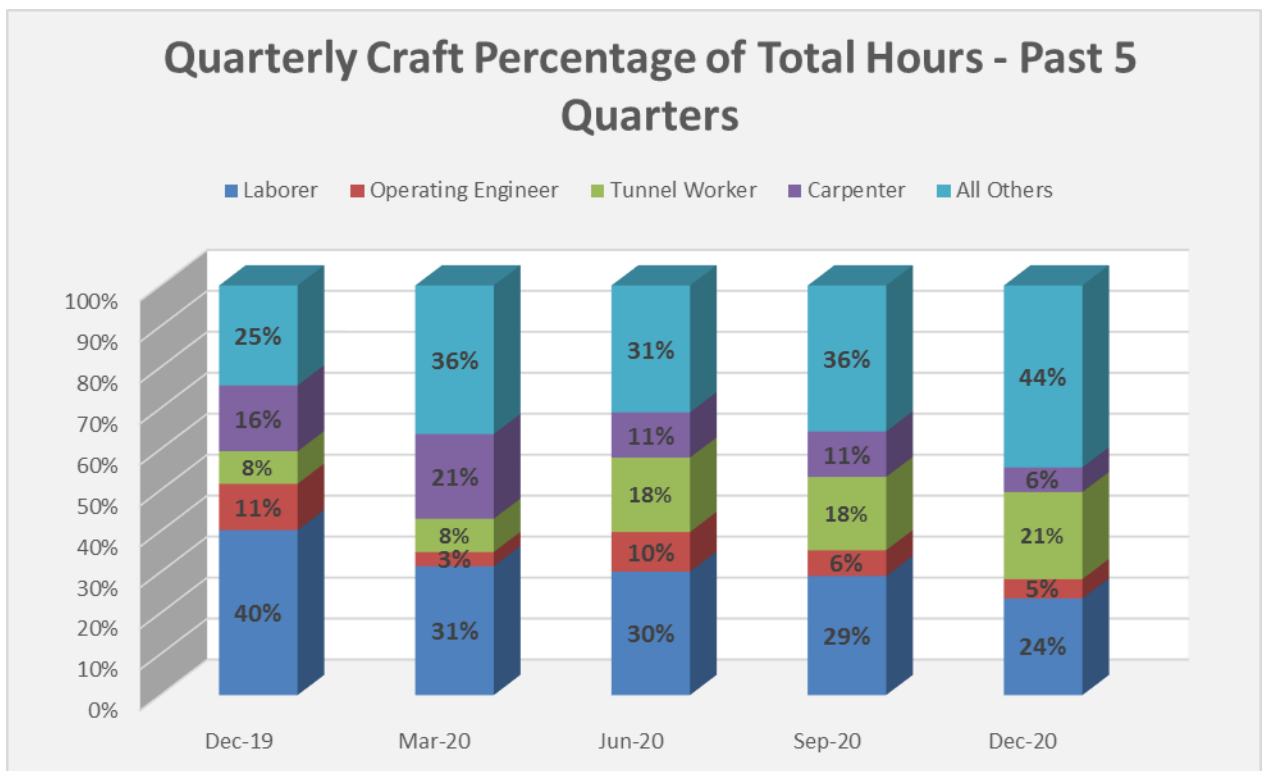
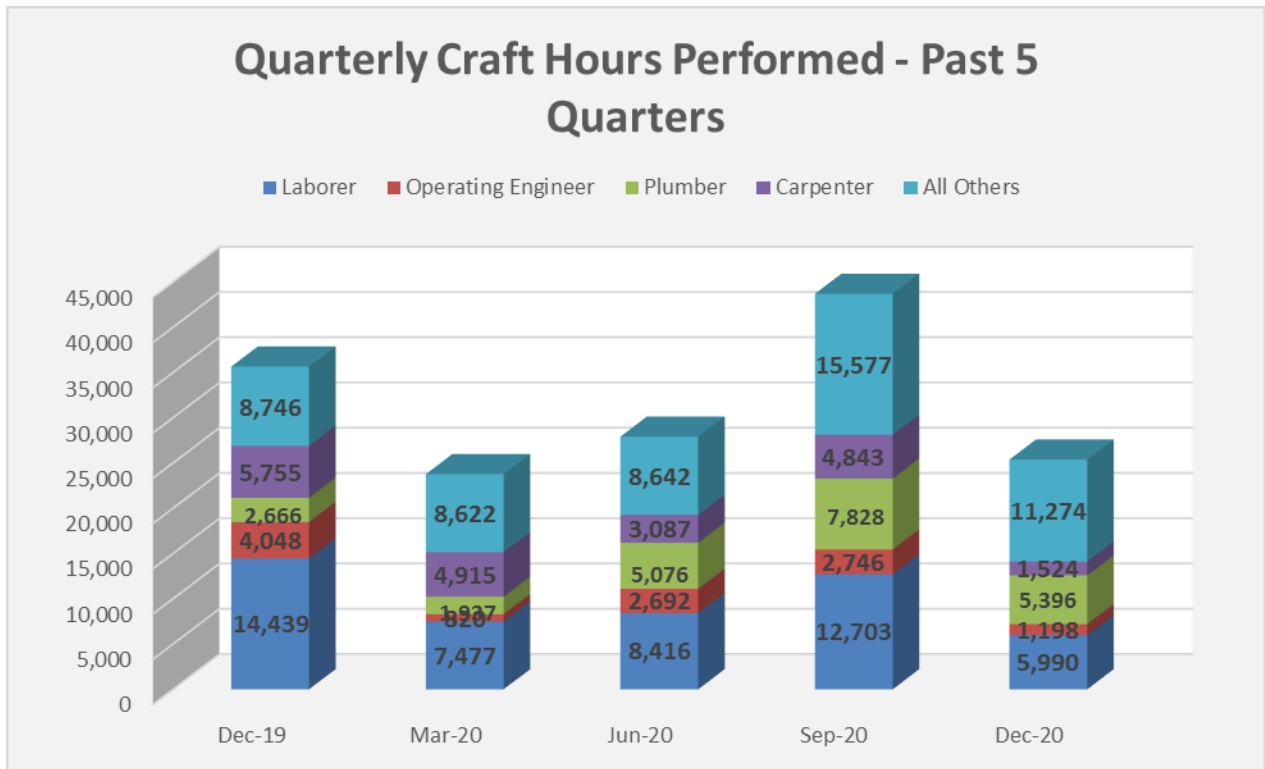
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 12-31-2020 Hours	Quarter Ending 12-31-2020 Wages
Laborer	2,987,266	\$ 93,166,691	5,990	\$ 242,465
Operating Engineer	1,857,090	\$ 78,404,785	1,198	\$ 73,449
Carpenter	765,182	\$ 32,766,704	1,524	\$ 89,437
Tunnel Worker	612,964	\$ 26,175,557	-	\$ -
Electrician	496,079	\$ 26,683,578	6,364	\$ 439,000
Plumber	449,230	\$ 21,658,930	5,396	\$ 354,644
Iron Worker	277,026	\$ 9,637,638	217	\$ 9,443
Pile Driver	181,764	\$ 9,710,884	-	\$ -
Painter	151,835	\$ 5,980,839	196	\$ 8,041
Cement Mason	128,556	\$ 4,524,745	96	\$ 3,153
Boilermaker	121,771	\$ 6,494,850	-	\$ -
Building/Construction Inspector	88,866	\$ 5,006,218	44	\$ 2,202
Roofer	50,048	\$ 1,705,160	1,024	\$ 43,550
Sheet Metal Worker	29,929	\$ 1,551,290	1,354	\$ 76,083
Field Surveyor	22,095	\$ 1,262,291	-	\$ -
Drywall Installer/Lather	12,834	\$ 569,208	1,073	\$ 56,944
Plasterer	11,222	\$ 415,086	139	\$ 5,456
Bricklayer	8,899	\$ 341,242	-	\$ -
Electrical Utility Lineman	6,909	\$ 425,367	-	\$ -
Glazier	5,180	\$ 252,080	346	\$ 14,902
Metal Roofing Systems Installer	2,586	\$ 92,217	-	\$ -
Asbestos Worker, Heat and Frost Insulator	1,259	\$ 71,950	339	\$ 16,166
Brick Tender	895	\$ 30,418	-	\$ -
Driver	557	\$ 56,185	-	\$ -
Carpet Layer	354	\$ 16,311	-	\$ -
Tile Setter	351	\$ 12,929	-	\$ -
Tile Finisher	277	\$ 5,836	-	\$ -
Terrazzo Worker	199	\$ 8,163	-	\$ -
Sprinkler Fitter	64	\$ 4,417	-	\$ -
Marble Finisher	40	\$ 1,342	-	\$ -
Terrazzo Finisher	4	\$ 160	-	\$ -
	<b>8,271,328</b>	<b>327,033,074</b>	<b>25,299</b>	<b>1,434,935</b>
Teamster	136,065	\$ 6,427,969	-	\$ -
Driver (On/Off-Hauling To/From Construction Site)	99,625	\$ 7,471,987	82	\$ 7,923
Operating Engineer (Heavy And Highway Work) (Specialized)	95,289	\$ 4,512,513	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	79,393	\$ 3,676,393	-	\$ -
Asbestos Removal Worker (Laborer)	17,121	\$ 437,612	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	13,201	\$ 590,532	-	\$ -
Water Well Driller	12,313	\$ 608,914	-	\$ -
Tree Trimmer (High Voltage Line Clearance)	1,422	\$ 36,006	-	\$ -
Telecommunications Technician	1,160	\$ 37,245	-	\$ -
Landscape Maintenance Laborer	1,131	\$ 32,404	-	\$ -
Steel Erector And Fabricator (Operating Engineer - Heavy And Highway Work)	1,123	\$ 56,467	-	\$ -
Traffic Control/Lane Closure (Laborer)	888	\$ 31,991	-	\$ -
Dredger Operating Engineer	831	\$ 33,307	-	\$ -
Operating Engineer (Building Construction)	635	\$ 24,810	-	\$ -
Slurry Seal Worker	592	\$ 17,811	-	\$ -
Parking And Highway Improvement Painter (Painter)	247	\$ 10,082	-	\$ -
Ironworker (Db)	80	\$ 2,772	-	\$ -
Teamster (Special Single Shift Rate)	11	\$ 291	-	\$ -
<b>Total Non-Apprenticeable</b>	<b>461,125</b>	<b>\$ 24,009,106</b>	<b>82</b>	<b>\$ 7,923</b>
<b>Total Apprenticable</b>	<b>8,271,328</b>	<b>\$ 327,033,074</b>	<b>25,299</b>	<b>\$ 1,434,935</b>
<b>Total WSIP PLA</b>	<b>8,732,453</b>	<b>\$ 351,042,179</b>	<b>25,381</b>	<b>\$ 1,442,858</b>

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

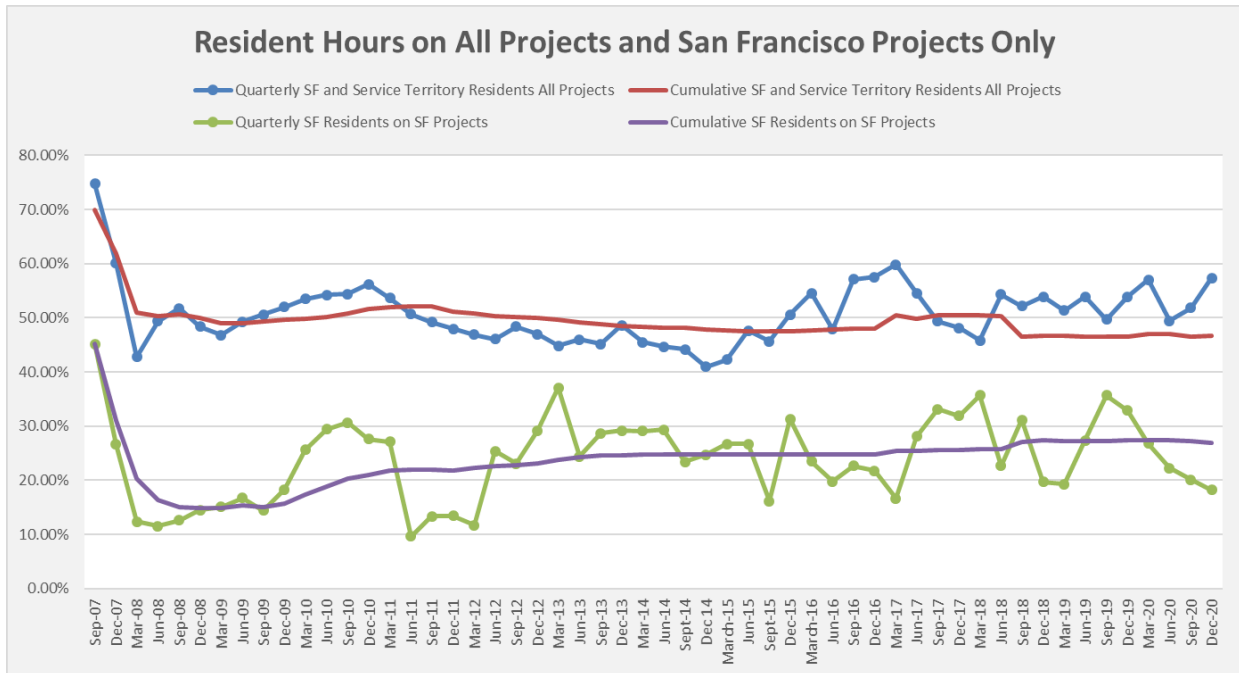


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**Worker Residence on the WSIP PLA**

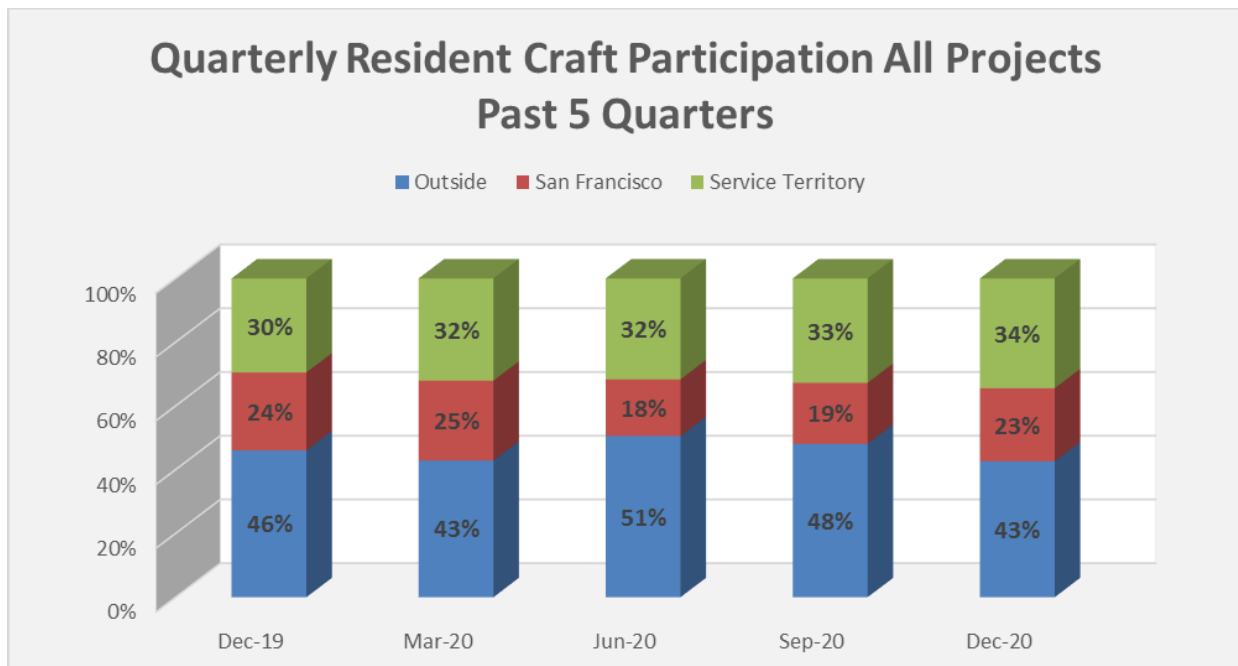
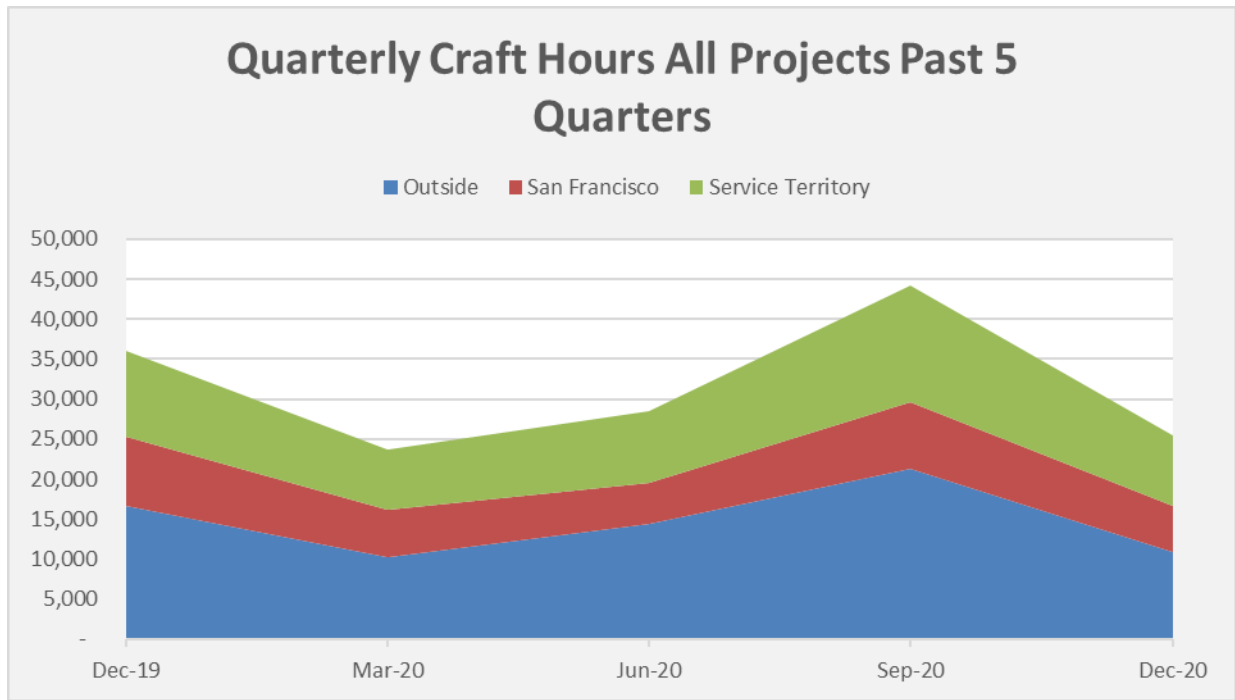
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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



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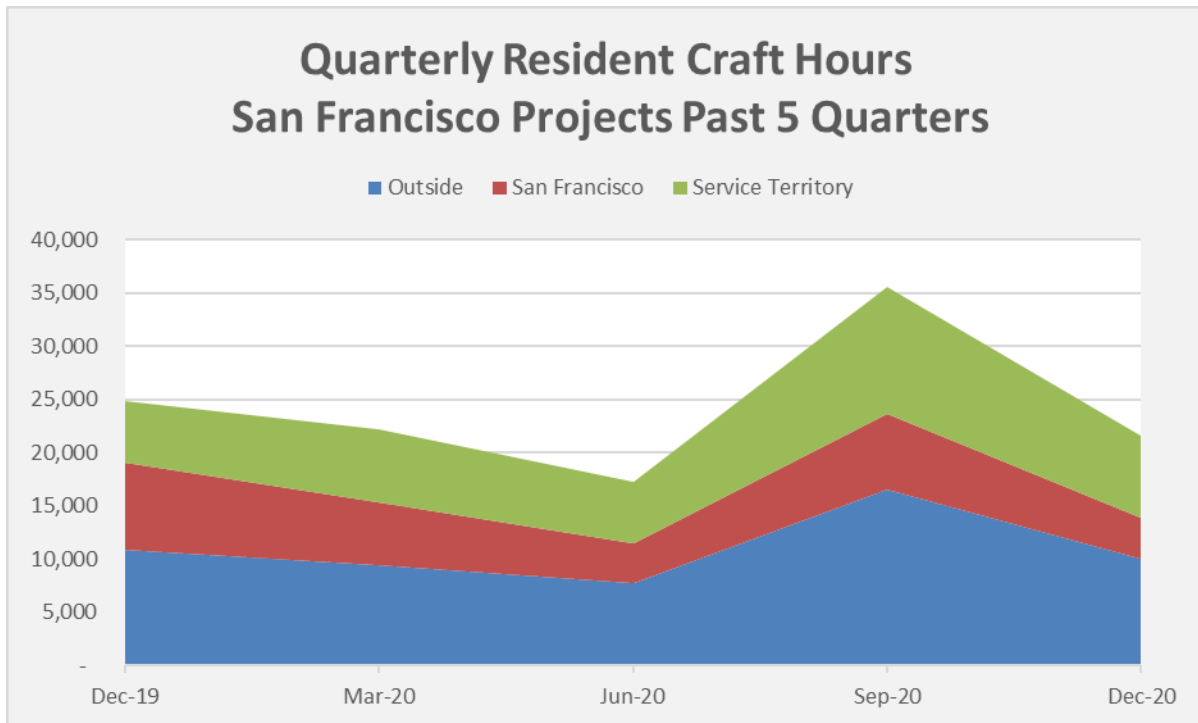
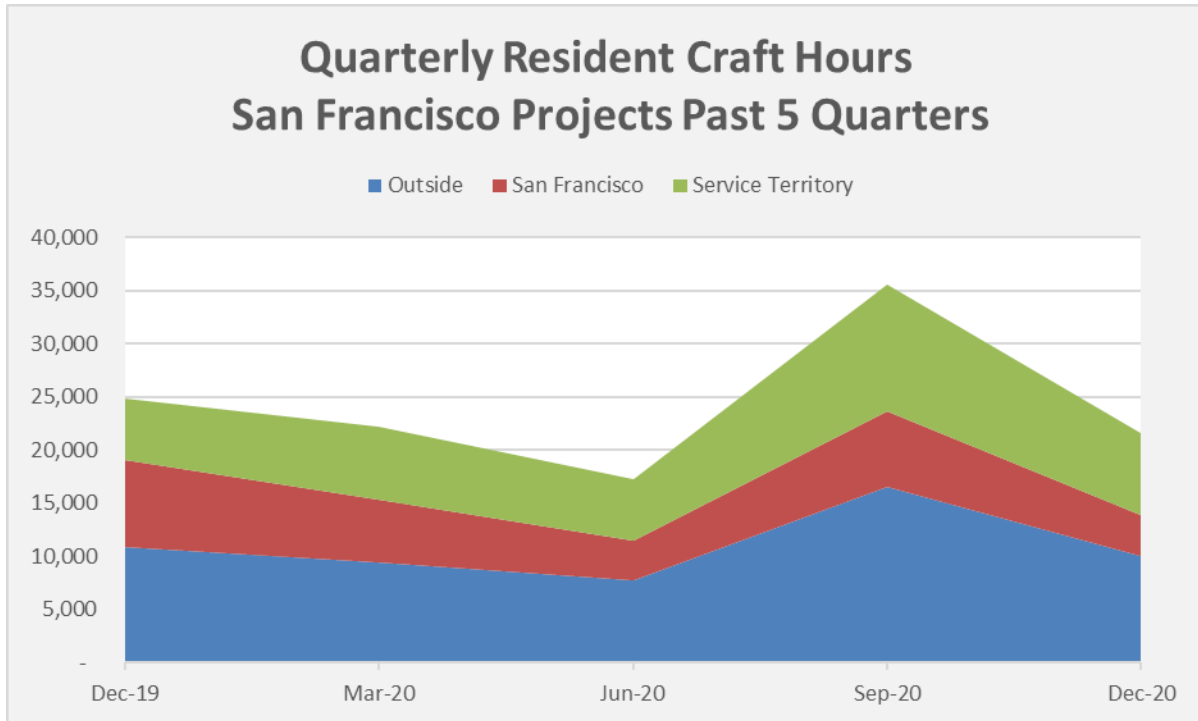
**Residence on ALL WSIP PLA Projects** - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.





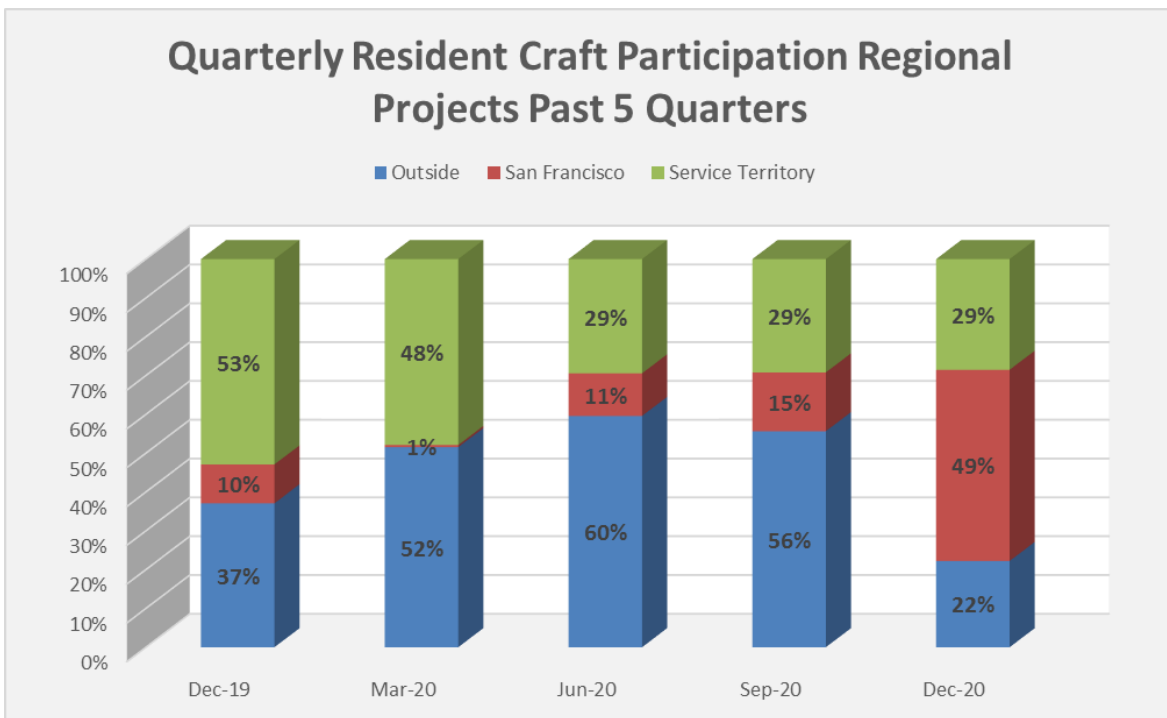
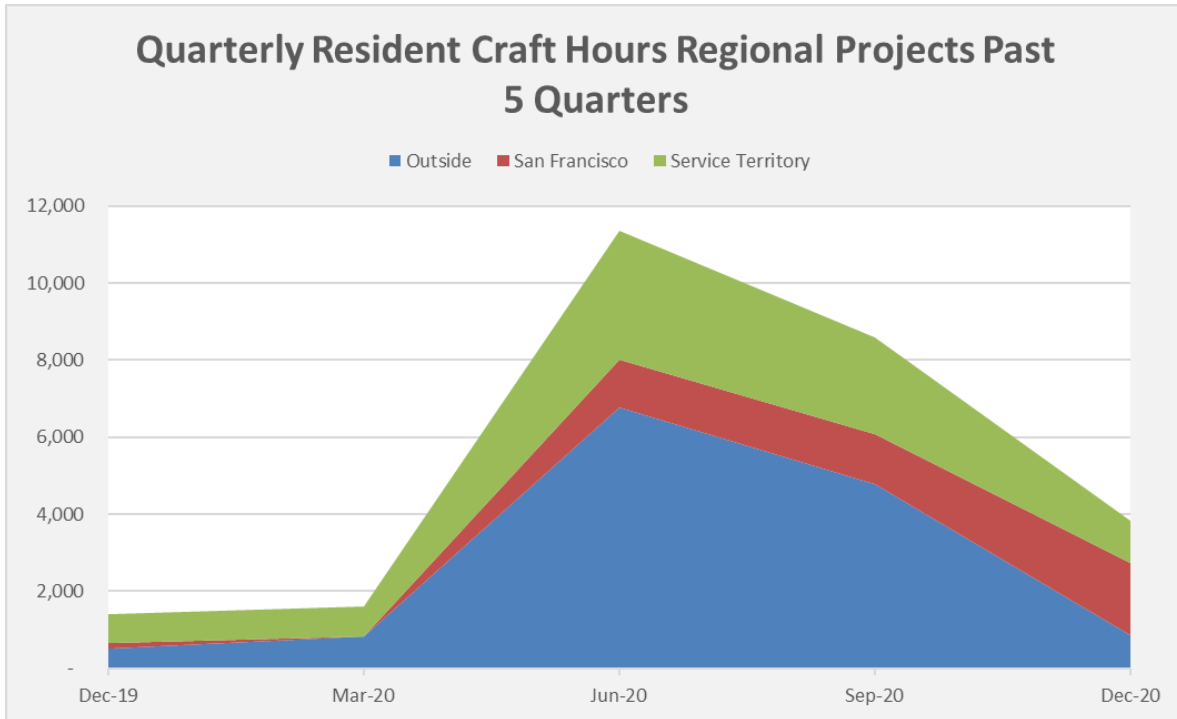
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**Residence on San Francisco-located WSIP PLA Projects** - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.



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



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**Residence by County**

Sorted by Total Craft Hours

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

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**San Francisco Residents by Zip Code**

Sorted by Total Craft Hours

<b>Employment by San Francisco Zip Code</b>					
Inception Through December 31, 2020					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	121,246	\$ 4,373,710	19.2%	247	58
94124	106,208	\$ 4,363,351	16.8%	294	51
94116	85,482	\$ 3,977,699	13.5%	92	41
94110	84,855	\$ 3,007,934	13.4%	195	41
94134	41,031	\$ 1,253,322	6.5%	127	20
94122	35,926	\$ 1,735,343	5.7%	82	17
94103	24,130	\$ 737,432	3.8%	43	12
94121	20,412	\$ 829,696	3.2%	61	10
94127	15,419	\$ 698,581	2.4%	24	7
94118	15,085	\$ 739,788	2.4%	23	7
94132	10,951	\$ 443,053	1.7%	38	5
94117	10,718	\$ 291,982	1.7%	18	5
94107	10,037	\$ 378,996	1.6%	33	5
94102	8,852	\$ 387,998	1.4%	23	4
94131	7,757	\$ 252,646	1.2%	31	4
94133	6,421	\$ 253,885	1.0%	13	3
94109	5,035	\$ 160,992	0.8%	24	2
94114	4,465	\$ 196,710	0.7%	17	2
94108	4,194	\$ 144,211	0.7%	9	2
94115	3,265	\$ 120,164	0.5%	28	2
94130	3,179	\$ 67,807	0.5%	12	2
94142	1,740	\$ 68,149	0.3%	7	1
94111	915	\$ 21,546	0.1%	3	0
94123	871	\$ 40,845	0.1%	4	0
94104	677	\$ 22,206	0.1%	3	0
94105	487	\$ 15,646	0.1%	7	0
94129	447	\$ 14,182	0.1%	1	0
94188	366	\$ 9,790	0.1%	3	0
94140	288	\$ 11,589	0.0%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94158	110	\$ 5,839	0.0%	6	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
<b>Total</b>	<b>631,010</b>	<b>\$ 24,638,884</b>	<b>100.0%</b>	<b>1,471</b>	<b>303</b>
<b>WSIP-PLA Total</b>	<b>8,732,453</b>	<b>\$ 351,042,179</b>	<b>-</b>	<b>15,781</b>	<b>4,198</b>

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**Residence by Craft**

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through December 31, 2020							
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
Operating Engineer	1,857,090	69,518	663,089	1,124,484	3.7%	35.7%	60.6%
Carpenter	765,182	91,312	311,794	362,076	11.9%	40.7%	47.3%
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%
Electrician	496,079	29,587	256,419	210,073	6.0%	51.7%	42.3%
Plumber	449,230	92,174	150,334	206,723	20.5%	33.5%	46.0%
Iron Worker	277,026	18,196	106,307	152,523	6.6%	38.4%	55.1%
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%
Painter	151,835	9,726	17,442	124,668	6.4%	11.5%	82.1%
Cement Mason	128,556	10,401	54,960	63,196	8.1%	42.8%	49.2%
Boilermaker	121,771	48	23,484	98,239	0.0%	19.3%	80.7%
Building/Construction Inspector	88,866	3,987	12,218	72,661	4.5%	13.7%	81.8%
Roofer	50,048	4,623	26,187	19,239	9.2%	52.3%	38.4%
Sheet Metal Worker	29,929	2,885	14,941	12,104	9.6%	49.9%	40.4%
Field Surveyor	22,095	1,382	4,038	16,676	6.3%	18.3%	75.5%
Drywall Installer/Lather	12,834	4,238	2,386	6,210	33.0%	18.6%	48.4%
Plasterer	11,222	6,748	1,148	3,326	60.1%	10.2%	29.6%
Bricklayer	8,899	82	4,281	4,536	0.9%	48.1%	51.0%
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%
Glazier	5,180	1,246	1,612	2,323	24.0%	31.1%	44.8%
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%
Asbestos Worker, Heat and Frost Insulator	1,259	112	229	918	8.9%	18.2%	72.9%
Brick Tender	895	287	19	589	32.1%	2.1%	65.8%
Driver	557	541	8	7	97.3%	1.4%	1.3%
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%
Tile Setter	351	-	344	7	0.0%	98.0%	2.0%
Tile Finisher	277	-	237	40	0.0%	85.6%	14.4%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	64	-	32	32	0.0%	50.0%	50.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
<b>Total Apprenticeable</b>	<b>5,284,062</b>	<b>364,937</b>	<b>1,916,796</b>	<b>3,002,329</b>	<b>6.9%</b>	<b>36.3%</b>	<b>56.8%</b>
Laborer	2,987,266	237,675	1,286,437	1,463,154	8.0%	43.1%	49.0%
<b>Non-Apprenticeable</b>							
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%
Driver (On/Off-Hauling To/From Construction)	99,625	18,049	65,758	15,818	18.1%	66.0%	15.9%
Operating Engineer (Heavy And Highway We	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%
Parking And Highway Improvement Painter (	247	-	165	82	0.0%	66.8%	33.2%
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%
<b>Total Non-Apprenticeable</b>	<b>461,125</b>	<b>28,398</b>	<b>237,576</b>	<b>195,151</b>	<b>6.2%</b>	<b>51.5%</b>	<b>42.3%</b>
<b>Total WSIP PLA</b>	<b>8,732,453</b>	<b>631,010</b>	<b>3,440,809</b>	<b>4,660,635</b>	<b>7.2%</b>	<b>39.4%</b>	<b>53.4%</b>

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**Residence by Project**

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary Through December 31, 2020							
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam Replacement	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improvement	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
WD-2531 - Bay Division Pipelines Reliability	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andreas	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
WD-2542 - Bay Division Pipeline No. 5	288,044	5,836	129,660	152,548	2.0%	45.0%	53.0%
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	28.7%
WD-2541 - Bay Division Pipeline No. 5	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
WD-2539 - University Mound Reservoir	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Alameda	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Storage	162,241	26,650	82,837	52,755	16.4%	51.1%	32.5%
WD-2627R - Sutro Reservoir Rehabilitation	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%
WD-2776 - SF Westside Recycled Water	152,234	37,005	41,109	74,120	24.3%	27.0%	48.7%
HH-935C - San Joaquin Pipeline - Eastern	143,988	83	80,508	63,397	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,910	3,122	93,841	44,948	2.2%	66.1%	31.7%
WD-2629 - Seismic Upgrade of Bay Division	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6%
WD-2552 - Alameda Siphon No. 4 Project	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2%
WD-2555 - Crystal Springs Pipeline No. 3	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1%
WD-2498 - New Crystal Springs Bypass	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2%
HH-935B - San Joaquin Pipeline - Western	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Cross	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir Siphon	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 System	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply Well	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 Project	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 Improvement	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1%
WD-2798 - SF Westside Recycled Water	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2829R - San Andreas Pipeline No. 3	36,411	6,181	10,115	20,114	17.0%	27.8%	55.2%
WD-2809 - SF Groundwater Supply Phase	30,557	5,926	3,095	21,536	19.4%	10.1%	70.5%
WD-2654R - Peninsula Vegetation Removal	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2797 - SF Westside Recycled Water	26,318	8,547	12,487	5,285	32.5%	47.4%	20.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Water	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 Main	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bay Division Pipeline No. 5, 6	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 Pipeline	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvement	12,859	0	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restoration	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Dam	8,209	291	3,270	4,648	3.5%	39.8%	56.6%
WD-2600 - Regional Groundwater Storage	6,088	0	296	5,792	0.0%	4.9%	95.1%
WD-2855 - Turner Dam Spillway and Pond	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%
<b>Total WSIP PLA</b>	<b>8,732,453</b>	<b>631,010</b>	<b>3,440,809</b>	<b>4,660,635</b>	<b>7.2%</b>	<b>39.4%</b>	<b>53.4%</b>

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**Apprentice Utilization**

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

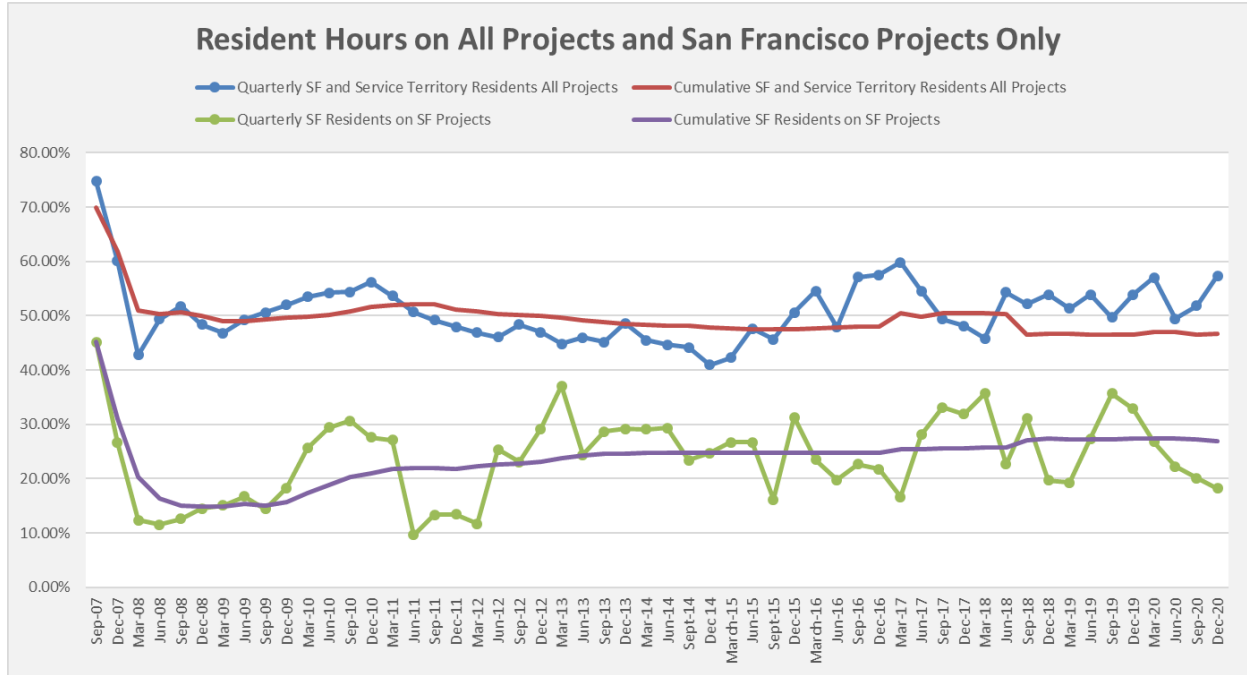
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Regional Service Territory, or 69% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,857,090	209,122	25,395	86,311	97,417	11.3%	1.4%	4.6%	12.1%	41.3%	46.6%
A - Carpenter	765,182	122,008	32,255	57,027	32,727	15.9%	4.2%	7.5%	26.4%	46.7%	26.8%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	496,079	95,307	12,219	64,531	18,557	19.2%	2.5%	13.0%	12.8%	67.7%	19.5%
A - Plumber	449,230	122,304	35,942	58,404	27,958	27.2%	8.0%	13.0%	29.4%	0.0%	0.0%
A - Iron Worker	277,026	61,355	10,976	26,970	23,409	22.1%	4.0%	9.7%	17.9%	44.0%	38.2%
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%
A - Painter	151,835	25,860	1,747	6,426	17,687	17.0%	1.2%	4.2%	6.8%	24.8%	68.4%
A - Cement Mason	128,556	6,496	4,221	1,124	1,151	5.1%	3.3%	0.9%	65.0%	17.3%	17.7%
A - Boilermaker	121,771	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%
A - Building/Construction Inspector	88,866	5,068	17	1,254	3,797	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%
A - Roofer	50,048	12,662	2,096	5,601	4,965	25.3%	4.2%	11.2%	0.0%	0.0%	0.0%
A - Sheet Metal Worker	29,929	4,772	307	3,276	1,190	15.9%	1.0%	10.9%	6.4%	68.6%	24.9%
A - Field Surveyor	22,095	734	11	71	652	3.3%	0.0%	0.3%	1.5%	9.7%	88.8%
A - Drywall Installer/Lather	12,834	689	68	283	338	5.4%	0.5%	2.2%	9.9%	41.1%	49.1%
A - Plasterer	11,222	347	136	-	211	3.1%	1.2%	0.0%	39.2%	0.0%	60.8%
A - Bricklayer	8,899	2,788	82	679	2,027	31.3%	0.9%	7.6%	2.9%	24.4%	72.7%
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%
A - Glazier	5,180	897	620	132	145	17.3%	12.0%	2.5%	69.1%	14.7%	16.2%
A - Metal Roofing Systems Installer	2,586	757	-	757	-	29.3%	0.0%	29.3%	0.0%	100.0%	0.0%
A - Asbestos Worker, Heat and Frost Insul	1,259	138	112	-	26	11.0%	8.9%	0.0%	81.2%	0.0%	18.8%
A - Brick Tender	895	24	24	-	-	2.7%	2.7%	0.0%	0.0%	0.0%	0.0%
A - Driver	557	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Carpet Layer	354	27	-	23	4	7.6%	0.0%	6.5%	0.0%	85.2%	14.8%
A - Tile Setter	351	20	-	20	-	5.7%	0.0%	5.7%	0.0%	0.0%	0.0%
A - Tile Finisher	277	40	-	-	40	14.4%	0.0%	0.0%	0.0%	0.0%	100.0%
A - Terrazzo Worker	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Sprinkler Fitter	64	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Marble Finisher	40	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Terrazzo Finisher	4	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sub-Total Apprenticeable	5,284,062	692,410	130,716	324,030	237,663	13.1%	2.5%	6.1%	18.9%	46.8%	34.3%
A - Laborer	2,987,266	404,571	46,656	261,376	97,190	13.5%	1.6%	8.7%	11.5%	64.6%	24.0%
Total Apprenticeable	8,271,328	1,096,981	177,372	585,406	334,854	13.3%	2.1%	7.1%	16.2%	53.4%	30.5%
Total Non-Apprenticeable	461,125										
Total WSIP - Covered by PLA	8,732,453										

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For the three months ending December 31, 2020, 24% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.





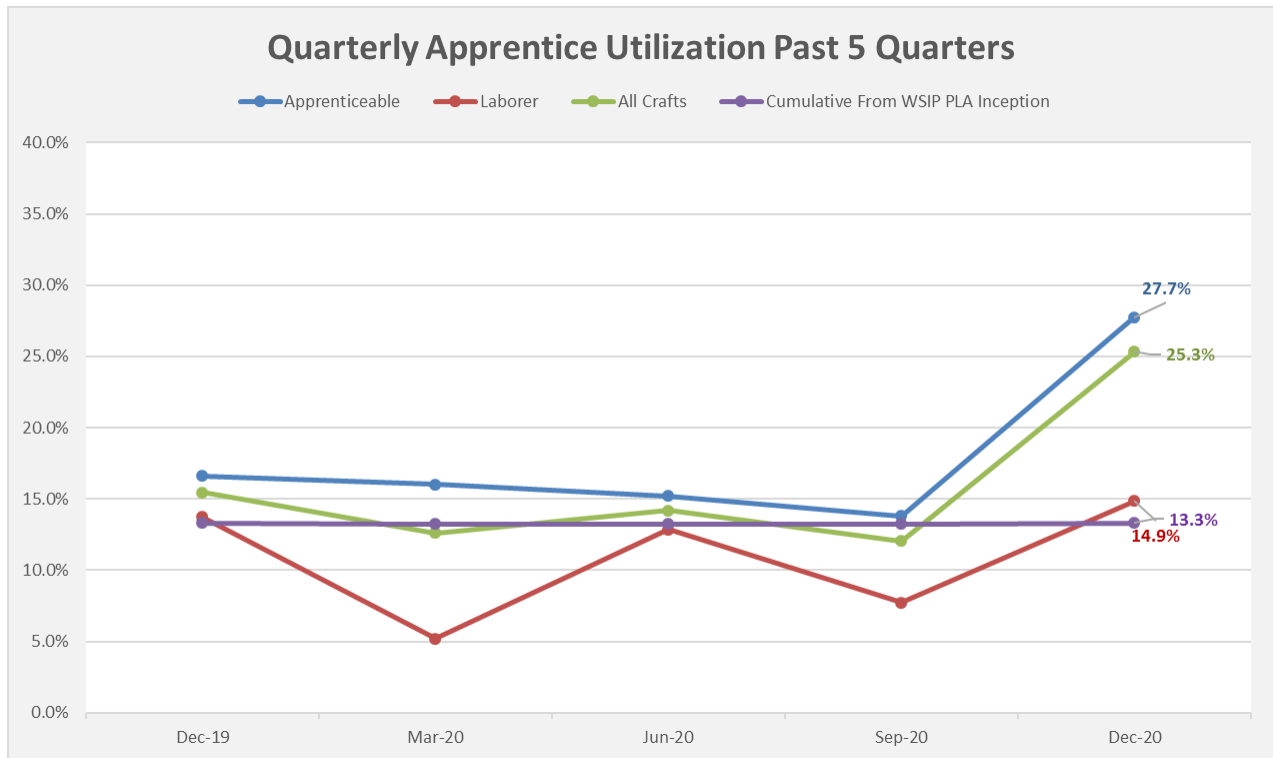
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through December 31, 2020											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - Advanced Meter Infras	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2798 - San Francisco Wes	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2542 - Bay Division Pipelin	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
HH-953 - Tesla Portal Protectio	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2623 - Harding Park Recyc	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2591 - Lower Crystal Sprin	110,655	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	19.1%
WD-2654R - Peninsula Vegeta	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
WD-2589 - Supervisory Contro	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%
WD-2600 - Regional Groundwa	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	0.0%	19.6%	17.1%
WD-2531 - Bay Division Pipelin	152,234	119,573	124	32,537	152,110	24,138	1,803	25,941	20.2%	5.5%	17.1%
WD-2551 - Calaveras Dam Rep	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2552 - Alameda Siphon Nd	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2501 - Alemany Pump Sta	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2668 - Regional Groundwa	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2541 - Bay Division Pipelin	134,349	73,390	1,614	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	16.3%
WD-2568 - BDPL Nos. 3&4 Crd	22,569	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%	16.2%
WD-2666 - Bioregional Habitat	162,241	101,909	1,079	59,253	161,162	18,467	7,375	25,842	18.1%	12.4%	16.0%
WD-2622 - San Francisco Grou	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	15.6%
WD-2641R - Habitat Reserve P	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
HH-935C - San Joaquin Pipelin	462,423	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%	15.3%
WD-2469 - Forest Knolls Pump	1,013,848	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%	14.8%
WD-2555 - Crystal Springs Pip	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2601 - Crystal Springs / Sa	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%
WD-2556 - Baden and San Ped	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2543 - North University Mo	26,318	12,316	-	14,002	26,318	1,332	2,310	3,642	10.8%	16.5%	13.8%
WD-2498 - New Crystal Spring	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2539 - University Mound R	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%
HH-935A - San Joaquin Pipelin	17,782	4,623	-	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2596 - Harry Tracy Water	1,532,134	864,302	36,402	631,430	1,495,733	87,917	98,383	186,301	10.2%	15.6%	12.5%
WD-2504 - Stanford Heights Re	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%
WD-2652 - Bioregional Habitat	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	12.1%
WD-2809 - San Francisco Grou	52,623	31,711	1,682	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%
WD-2529 - Noe Valley Transmi	8,209	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	11.7%
WD-2627R - Sutro Reservoir R	127,763	49,074	9,731	68,958	118,032	7,559	5,394	12,953	15.4%	7.8%	11.0%
WD-2727 - Peninsula Pipeline	26,553	17,167	49	9,337	26,504	2,888	19	2,907	16.8%	0.2%	11.0%
WD-2582 - Sunol Valley Water	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	10.9%
WD-2511 - Standby Power Fac	30,557	15,059	-	15,498	30,557	2,666	633	3,299	17.7%	4.1%	10.8%
DB-116 - Tesla Treatment Faci	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	10.8%
WD-2729 - Fish Passage Facil	100,492	52,940	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	10.5%
WD-2548 - Lake Merced Pump	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2573 - Pulgas Balancing R	208,058	88,905	12,802	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%	10.3%
WD-2575 - San Antonio Backu	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	10.3%
WD-2776 - San Francisco Wes	288,044	90,020	31,498	166,526	256,546	7,049	19,161	26,210	7.8%	11.5%	10.2%
WD-2513 - San Andreas Pipeli	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2822R2 - Lower Crystal Sp	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2665 - Bay Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2564 - Harry Tracy Water	36,411	16,980	1,711	17,720	34,700	512	2,370	2,881	3.0%	13.4%	8.3%
WD-2566 - San Antonio Pump	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	8.2%
WD-2581 - New Invington Tunne	23,492	16,708	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2621R - San Francisco Gr	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	7.7%
HH-935B - San Joaquin Pipelin	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	7.4%
WD-2651R - Peninsula 2011 W	583,318	412,690	91,164	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
HH-914R - Roselle Crossover Ir	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	6.5%
WD-2829R - San Andreas Pipe	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2640 - Bioregional Habitat	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
WD-2629 - Seismic Upgrade of	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2797 - San Francisco Wes	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	2,088	-	-	-	0.0%	0.0%	0.0%
<b>WSIP - Covered by PLA (57 Pr</b>	<b>8,732,453</b>	<b>5,284,062</b>	<b>461,125</b>	<b>2,987,266</b>	<b>8,271,328</b>	<b>692,410</b>	<b>405,222</b>	<b>1,097,632</b>	<b>13.1%</b>	<b>13.6%</b>	<b>13.3%</b>

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



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**Substance Abuse Prevention**

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

**15,169** pre-employment tests have been administered as of December 31, 2020, to people who were cleared to work. 203 people did not pass pre-employment screens and consequently were prevented from working until the results could be confirmed through lab tests. Strict regulations and high compliance by the contractors have led to a mere **1.34%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Program. The chart is on the next page.

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<b>WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary</b>	
Tests Administered to Individuals Cleared to Work Through 12/31/2020	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Project	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	354
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
WD-2668 - Regional Groundwater Storage and Recovery	265
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	226
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2513 - San Andreas Pipeline No.3 Installation Project	178
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
WD-2575 - San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	125
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Project	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2829R - San Andreas Pipeline No. 2 Replacement	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2654R - Peninsula Vegetation Removal	34
WD-2511 - Standby Power Facilities, Various Locations	30
WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30
WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28
WD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassla	23
WD-2600 - Regional Groundwater Storage and Recovery Project- Test Well Drilling	22
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	10
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	-
<b>Total Cleared</b>	<b>15,169</b>

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**Legislative History of the WSIP PLA**

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

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

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

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

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

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

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**Governance**

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

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

**Pre-Job Conferences and Jurisdictional Disputes**

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

**Web-Based Labor Compliance Program**

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



HETCH HETCHY

WATER SYSTEM **IMPROVEMENT** PROGRAM

# **Water System Improvement Program Project Labor Agreement**

## **Quarterly Report Quarter Ended March 31, 2021 (Third Quarter FY 2020-2021)**

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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-nine (59) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.218 billion in original contract award through March 31, 2021.

Construction Activity Highlights – Program-to-Date

**Contracting:**

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

**Employment:**

- Since inception, 15,860 construction workers were employed for 8,753,290 hours and earned wages of \$352,260,573 on WSIP PLA-covered projects.
- 1,482 San Francisco residents worked 635,226 hours and earned \$24,881,397 on WSIP PLA-covered projects representing 7% of covered hours and 305 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. 6,450 residents of the Regional Service Territory earned wages of \$134,159,428 and worked 3,447,993 hours, representing 39% of covered hours and 1,658 full-time equivalent worker years.
- 15,200 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of March 31, 2021. 203 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Region of Worker Residence	Inception Through March 31, 2021			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	15,860	8,753,290	\$ 352,260,573	4,208
San Francisco	1,482	635,226	\$ 24,881,397	305
SFPUC Service Territory	6,450	3,447,993	\$ 134,159,428	1,658
Outside	7,928	4,670,071	\$ 193,219,748	2,245

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Construction Activity Highlights – Quarter Ending March 31, 2021

**Contracting:**

- There were no contracts awarded during the reporting period.

**Employment:**

- 212 construction workers were employed for 20,837 hours and earned wages of \$1,218,393 on WSIP PLA-covered projects.
- 40 San Francisco residents worked 4,216 hours and earned wages of \$242,513 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, 76 residents of the Regional Service Territory worked 7,185 hours and earned wages of \$380,153 on WSIP PLA-covered projects.
- 31 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and no individuals were prevented from working as the result of a positive test.

**Summary of Craft Worker Employment**

Region of Worker Residence	Three Months Ending March 31, 2021			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	212	20,837	\$ 1,218,393	10
San Francisco	40	4,216	\$ 242,513	2
SFPUC Service Territory	76	7,185	\$ 380,153	3
Outside	96	9,437	\$ 595,727	5

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

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**Summary of WSIP PLA-Covered Contract Awards**

Sorted by Award Date

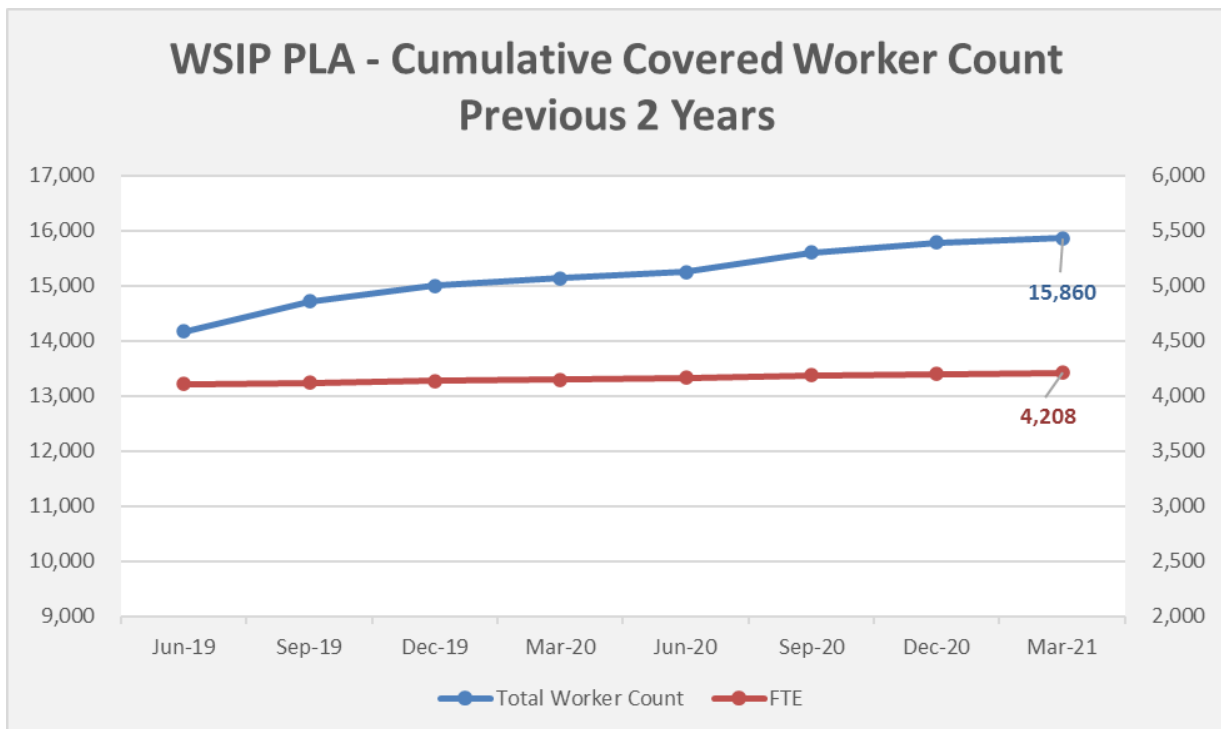
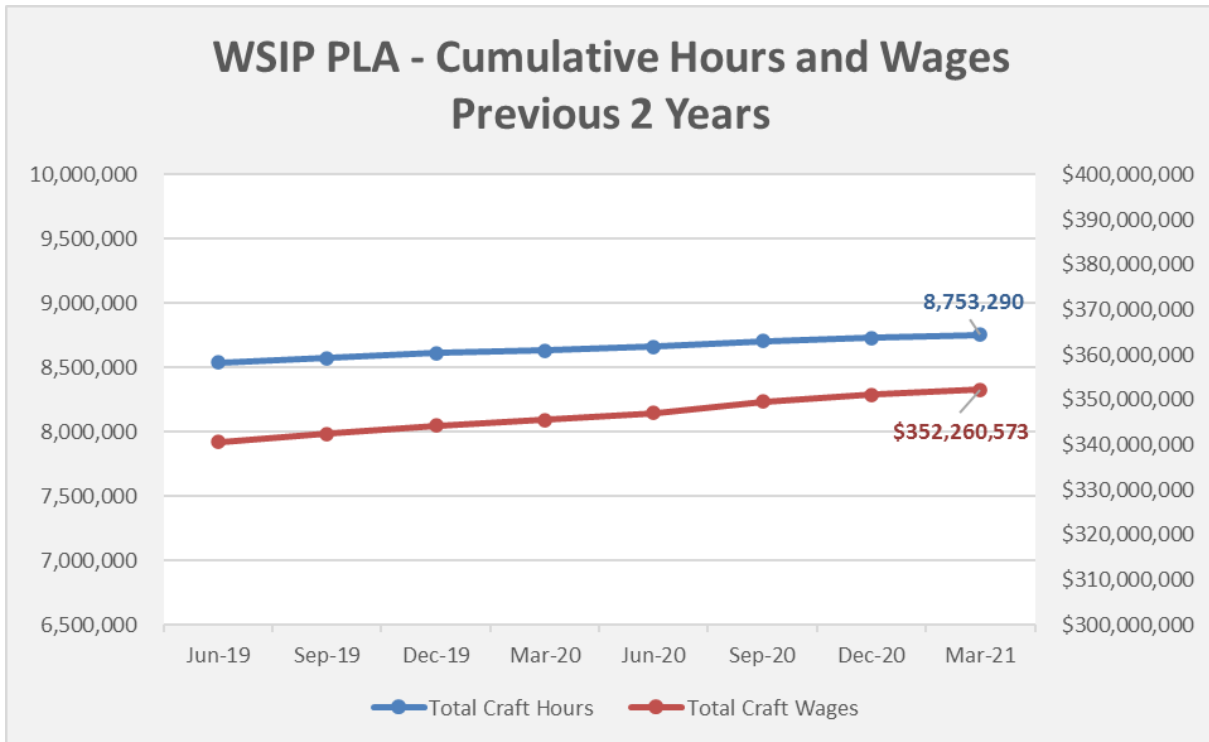
Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through March 31, 2021					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation Syste	\$3 Million	\$ 2,483,525
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	\$20 Million	\$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch	\$5.8 Million	\$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment 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 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 P	\$5.9 to \$6.7 Million	\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million	\$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andrea	\$6.4 Million	\$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Aleman Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
<b>Total 59 Projects</b>					<b>\$ 2,218,827,955</b>

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**Summary Charts**

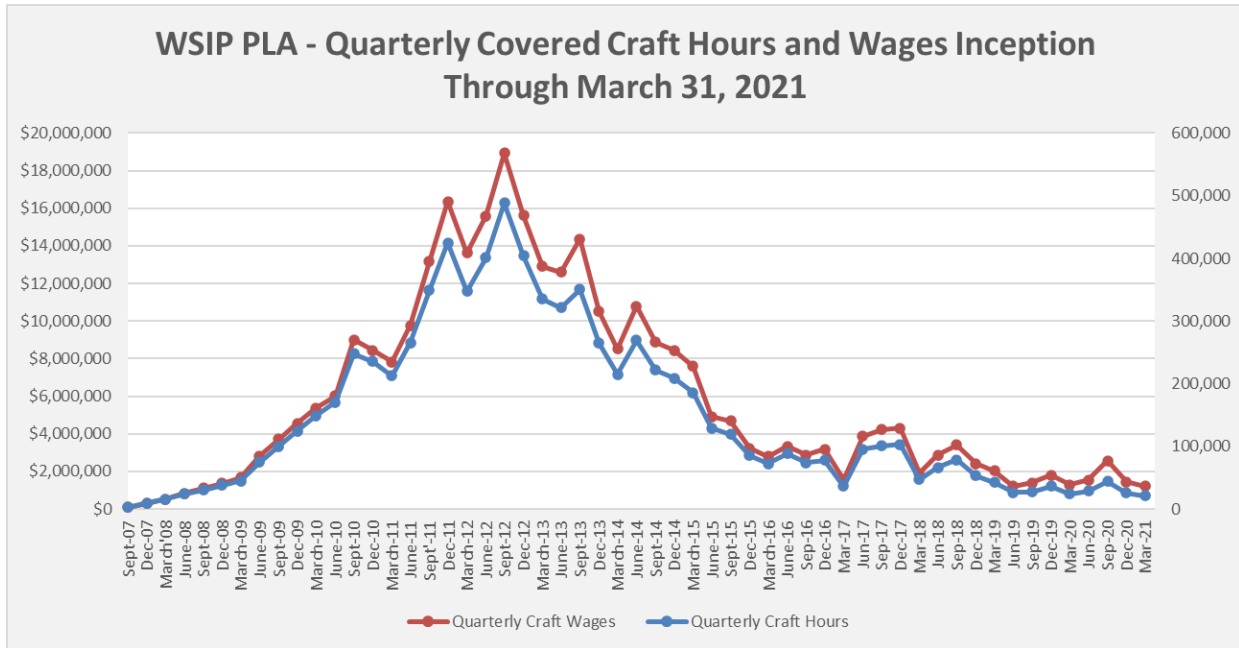
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending March 31, 2021, 15,860 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,753,290 craft hours and \$352,260,573 in craft wages.

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

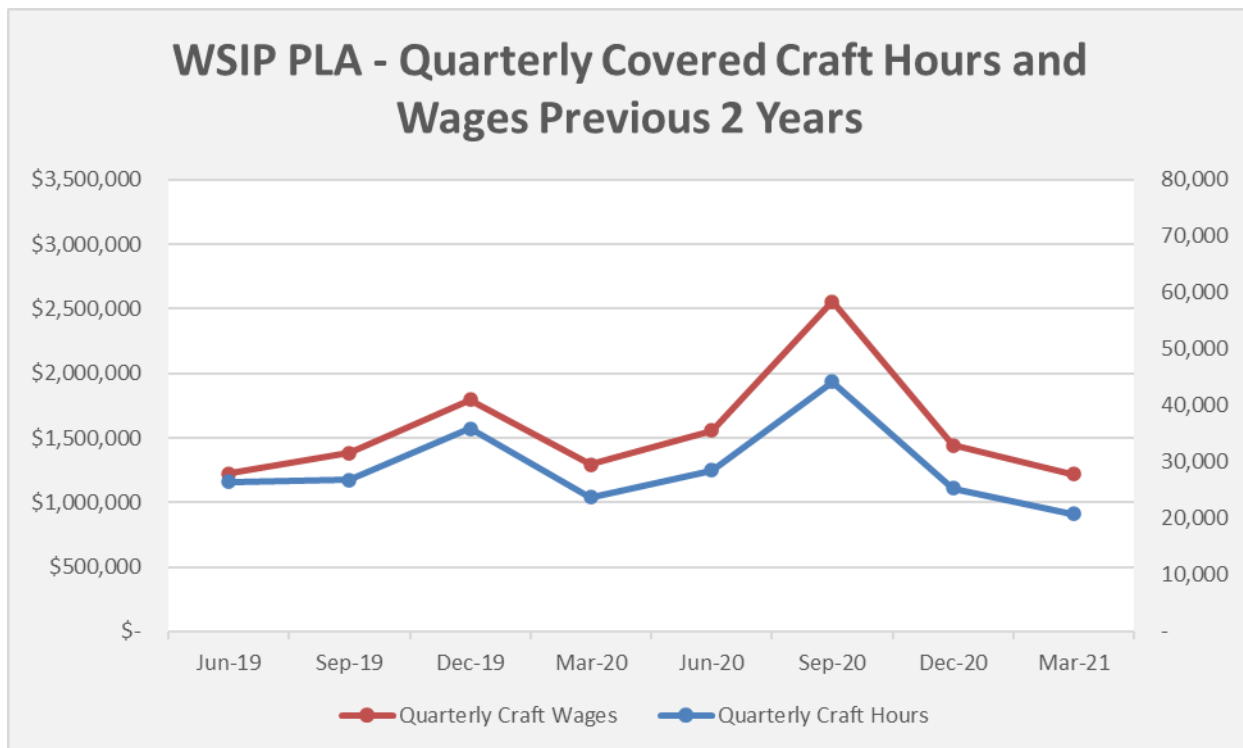


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98.9% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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**Craft Utilization on WSIP PLA-Covered Projects**

As of March 31, 2021, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 31 craft areas.

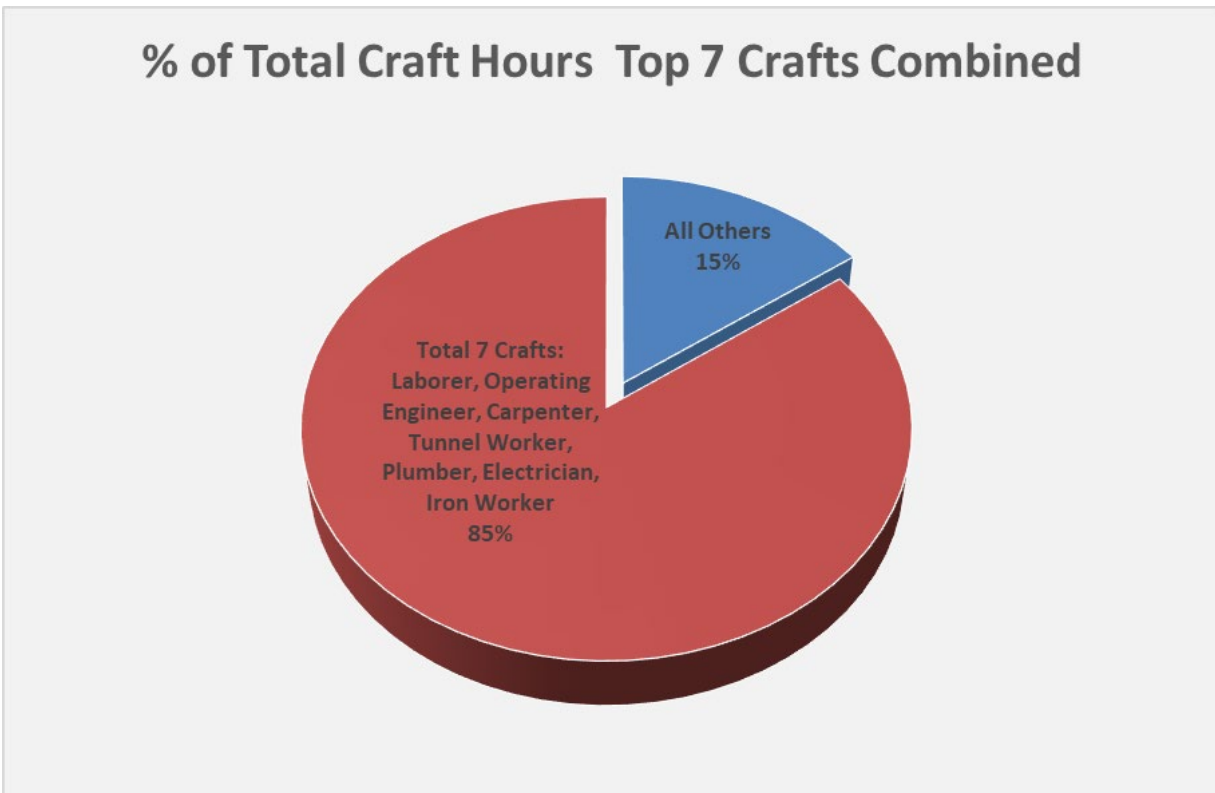
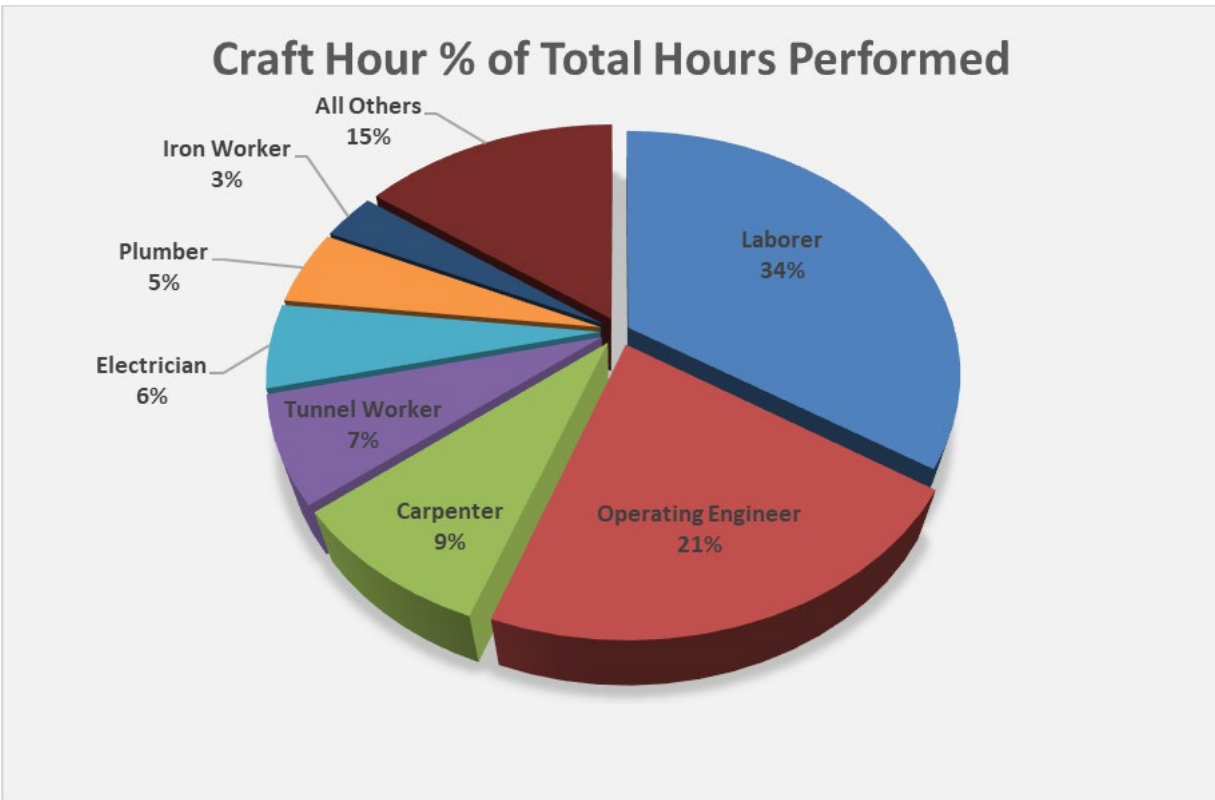
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

<b>Cumulative Employment by Craft</b>					
Inception Through March 31, 2021					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
Laborer	2,992,270	\$ 93,374,432	34.2%	26.5%	1,439
Operating Engineer	1,857,950	\$ 78,461,907	21.2%	22.3%	893
Carpenter	766,950	\$ 32,875,057	8.8%	9.3%	369
Tunnel Worker	612,964	\$ 26,175,557	7.0%	7.4%	295
Electrician	502,704	\$ 27,143,492	5.7%	7.7%	242
Plumber	452,845	\$ 21,896,417	5.2%	6.2%	218
Iron Worker	277,468	\$ 9,656,923	3.2%	2.7%	133
<b>Top 7 Sub-Total</b>	<b>7,463,151</b>	<b>\$ 289,583,785</b>	<b>85.3%</b>	<b>82.2%</b>	<b>3,588</b>
Pile Driver	181,764	\$ 9,710,884	2.1%	2.8%	87
Painter	152,179	\$ 5,998,110	1.7%	1.7%	73
Cement Mason	128,594	\$ 4,526,129	1.5%	1.3%	62
Boilermaker	121,771	\$ 6,494,850	1.4%	1.8%	59
Building/Construction Inspector	88,866	\$ 5,006,218	1.0%	1.4%	43
Roofer	50,075	\$ 1,706,358	0.6%	0.5%	24
Sheet Metal Worker	30,228	\$ 1,572,275	0.3%	0.4%	15
Field Surveyor	22,095	\$ 1,262,291	0.3%	0.4%	11
Drywall Installer/Lather	13,099	\$ 583,496	0.1%	0.2%	6
Plasterer	11,397	\$ 422,301	0.1%	0.1%	5
Bricklayer	9,772	\$ 383,586	0.1%	0.1%	5
Electrical Utility Lineman	6,909	\$ 425,367	0.1%	0.1%	3
Glazier	5,253	\$ 255,992	0.1%	0.1%	3
Metal Roofing Systems Installer	2,586	\$ 92,217	0.0%	0.0%	1
Asbestos Worker, Heat and Frost Insu	1,349	\$ 77,159	0.0%	0.0%	1
Brick Tender	993	\$ 34,361	0.0%	0.0%	0
Driver	557	\$ 56,185	0.0%	0.0%	0
Tile Setter	456	\$ 16,905	0.0%	0.0%	0
Carpet Layer	354	\$ 16,311	0.0%	0.0%	0
Tile Finisher	333	\$ 7,235	0.0%	0.0%	0
Terrazzo Worker	199	\$ 8,163	0.0%	0.0%	0
Sprinkler Fitter	128	\$ 8,769	0.0%	0.0%	0
Marble Finisher	40	\$ 1,342	0.0%	0.0%	0
Terrazzo Finisher	4	\$ 160	0.0%	0.0%	0
<b>Remaining Apprenticeable Sub-Total</b>	<b>828,999</b>	<b>\$ 38,666,666</b>	<b>9.5%</b>	<b>11.0%</b>	<b>399</b>
<b>Total Non-Apprenticeable</b>	<b>461,141</b>	<b>\$ 24,010,122</b>	<b>5.3%</b>	<b>6.8%</b>	<b>222</b>
<b>Total WSIP-Covered by PLA</b>	<b>8,753,290</b>	<b>\$ 352,260,573</b>	<b>100.0%</b>	<b>100.0%</b>	<b>4,208</b>

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



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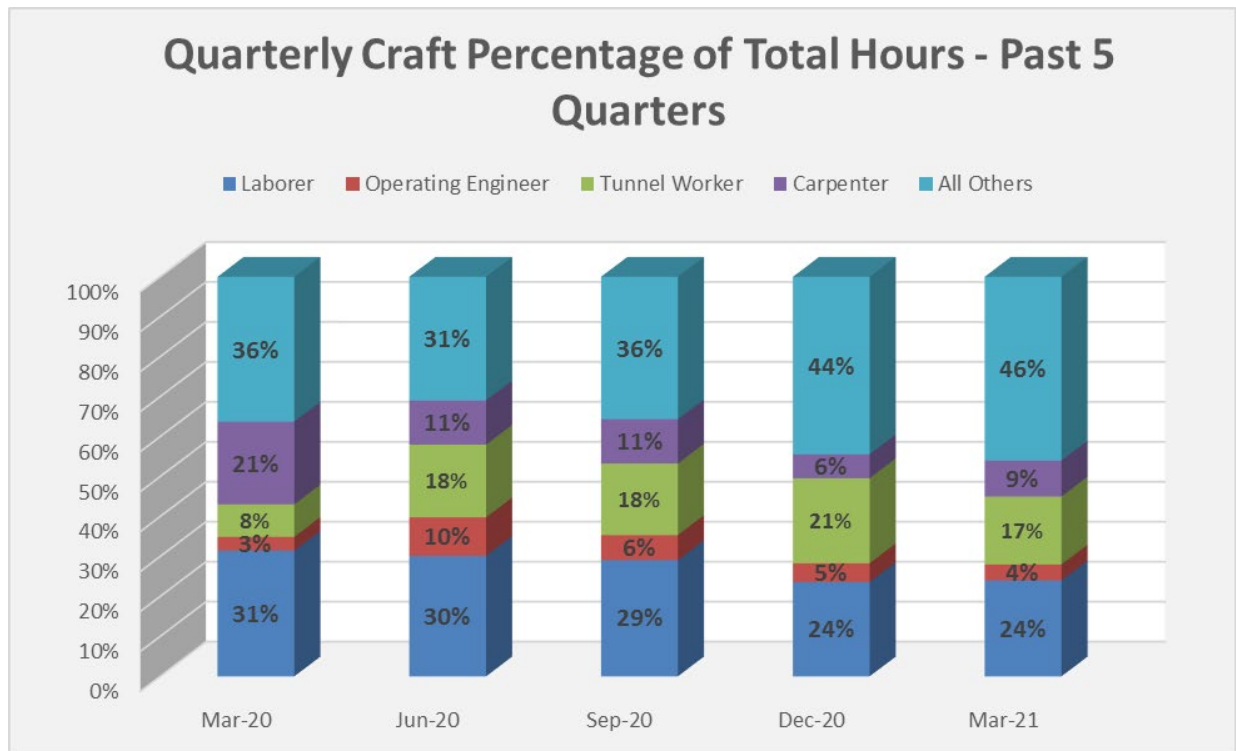
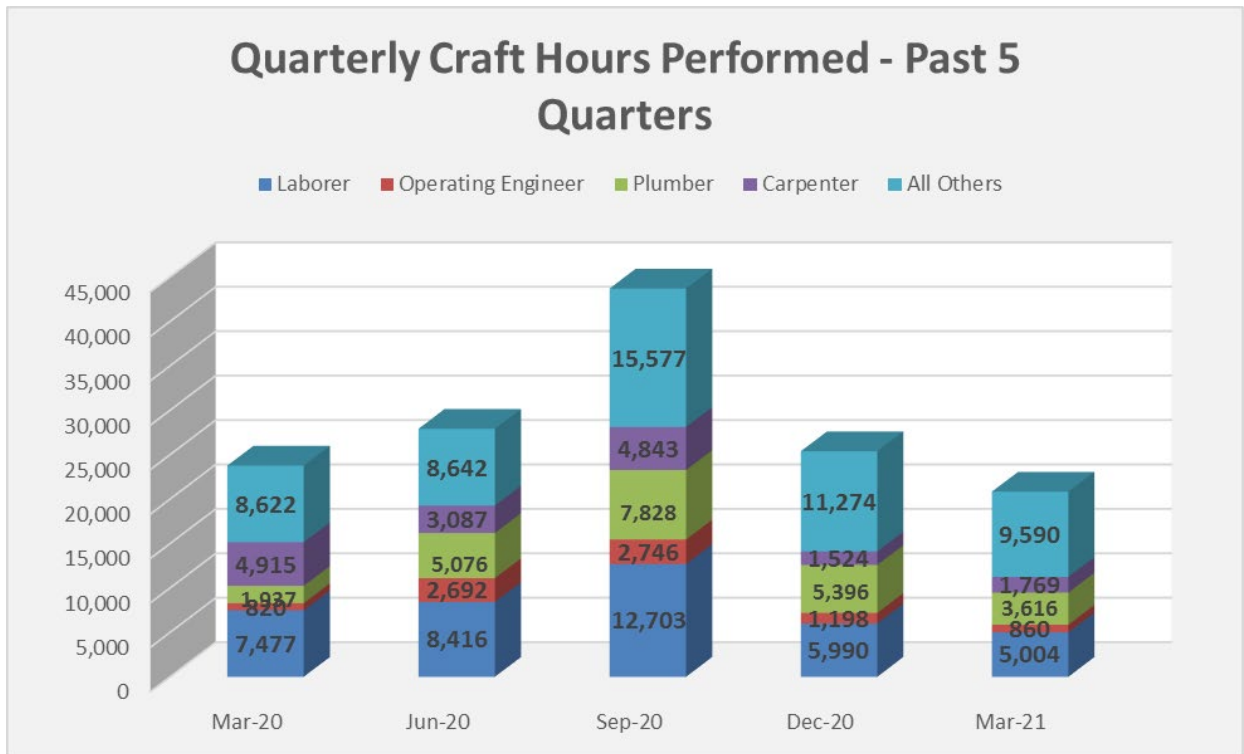
The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 3-31-2021 Hours	Quarter Ending 3-31-2021 Wages
Laborer	2,992,270	\$ 93,374,432	5,004	\$ 207,741
Operating Engineer	1,857,950	\$ 78,461,907	860	\$ 57,122
Carpenter	766,950	\$ 32,875,057	1,769	\$ 108,353
Tunnel Worker	612,964	\$ 26,175,557	-	\$ -
Electrician	502,704	\$ 27,143,492	6,625	\$ 459,915
Plumber	452,845	\$ 21,896,417	3,616	\$ 237,486
Iron Worker	277,468	\$ 9,656,923	442	\$ 19,285
Pile Driver	181,764	\$ 9,710,884	-	\$ -
Painter	152,179	\$ 5,998,110	344	\$ 17,271
Cement Mason	128,594	\$ 4,526,129	38	\$ 1,385
Boilermaker	121,771	\$ 6,494,850	-	\$ -
Building/Construction Inspector	88,866	\$ 5,006,218	-	\$ -
Roofer	50,075	\$ 1,706,358	27	\$ 1,198
Sheet Metal Worker	30,228	\$ 1,572,275	299	\$ 20,985
Field Surveyor	22,095	\$ 1,262,291	-	\$ -
Drywall Installer/Lather	13,099	\$ 583,496	265	\$ 14,288
Plasterer	11,397	\$ 422,301	175	\$ 7,215
Bricklayer	9,772	\$ 383,586	874	\$ 42,344
Electrical Utility Lineman	6,909	\$ 425,367	-	\$ -
Glazier	5,253	\$ 255,992	73	\$ 3,912
Metal Roofing Systems Installer	2,586	\$ 92,217	-	\$ -
Asbestos Worker, Heat and Frost Insulator	1,349	\$ 77,159	90	\$ 5,209
Brick Tender	993	\$ 34,361	98	\$ 3,944
Driver	557	\$ 56,185	-	\$ -
Tile Setter	456	\$ 16,905	105	\$ 3,976
Carpet Layer	354	\$ 16,311	-	\$ -
Tile Finisher	333	\$ 7,235	56	\$ 1,399
Terrazzo Worker	199	\$ 8,163	-	\$ -
Sprinkler Fitter	128	\$ 8,769	64	\$ 4,351
Marble Finisher	40	\$ 1,342	-	\$ -
Terrazzo Finisher	4	\$ 160	-	\$ -
<b>Total</b>	<b>8,292,150</b>	<b>\$ 328,250,451</b>	<b>20,822</b>	<b>\$ 1,217,377</b>
Teamster	136,065	\$ 6,427,969	-	\$ -
Driver (On/Off-Hauling To/From Construction Site)	99,641	\$ 7,473,003	16	\$ 1,016
Operating Engineer (Heavy And Highway Work) (Special Rate)	95,289	\$ 4,512,513	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	79,393	\$ 3,676,393	-	\$ -
Asbestos Removal Worker (Laborer)	17,121	\$ 437,612	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway Work)	13,201	\$ 590,532	-	\$ -
Water Well Driller	12,313	\$ 608,914	-	\$ -
Tree Trimmer (High Voltage Line Clearance)	1,422	\$ 36,006	-	\$ -
Telecommunications Technician	1,160	\$ 37,245	-	\$ -
Landscape Maintenance Laborer	1,131	\$ 32,404	-	\$ -
Steel Erector And Fabricator (Operating Engineer - Heavy And Highway Work)	1,123	\$ 56,467	-	\$ -
Traffic Control/Lane Closure (Laborer)	888	\$ 31,991	-	\$ -
Dredger Operating Engineer	831	\$ 33,307	-	\$ -
Operating Engineer (Building Construction)	635	\$ 24,810	-	\$ -
Slurry Seal Worker	592	\$ 17,811	-	\$ -
Parking And Highway Improvement Painter (Painter)	247	\$ 10,082	-	\$ -
Ironworker (Db)	80	\$ 2,772	-	\$ -
Teamster (Special Single Shift Rate)	11	\$ 291	-	\$ -
<b>Total Non-Apprenticeable</b>	<b>461,141</b>	<b>\$ 24,010,122</b>	<b>16</b>	<b>\$ 1,016</b>
<b>Total Apprenticable</b>	<b>8,292,150</b>	<b>\$ 328,250,451</b>	<b>20,822</b>	<b>\$ 1,217,377</b>
<b>Total WSIP PLA</b>	<b>8,753,290</b>	<b>\$ 352,260,573</b>	<b>20,837</b>	<b>\$ 1,218,393</b>



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

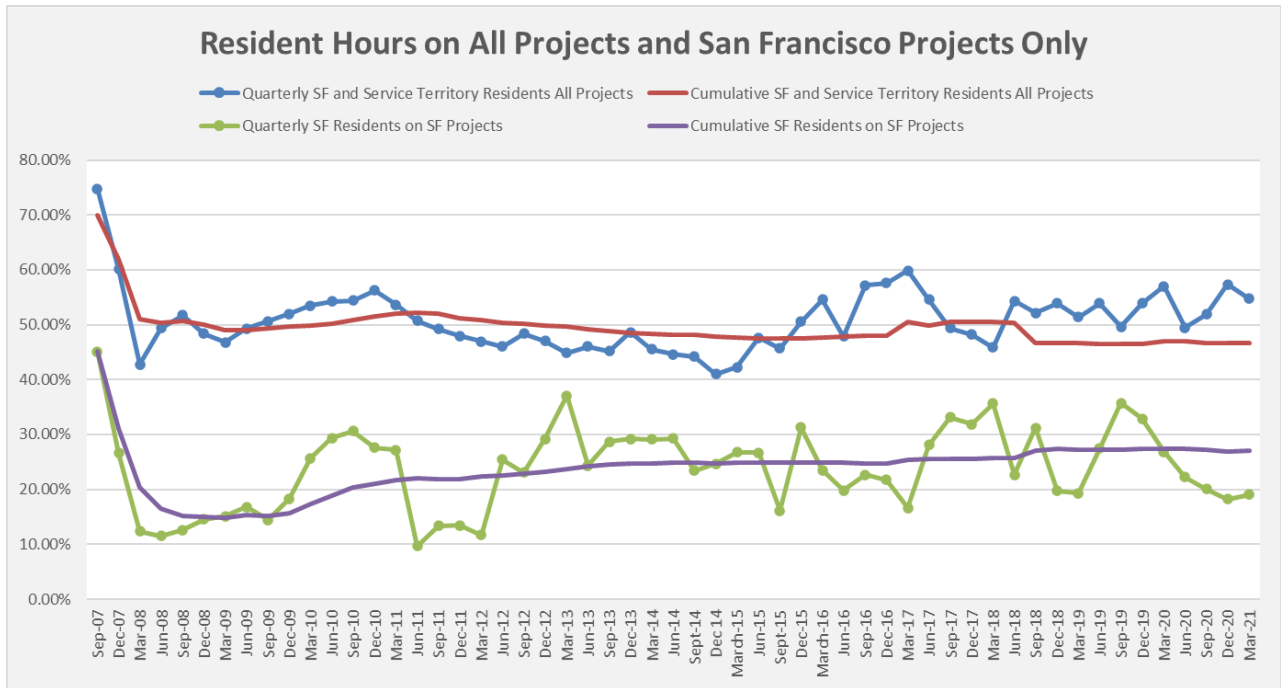


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**Worker Residence on the WSIP PLA**

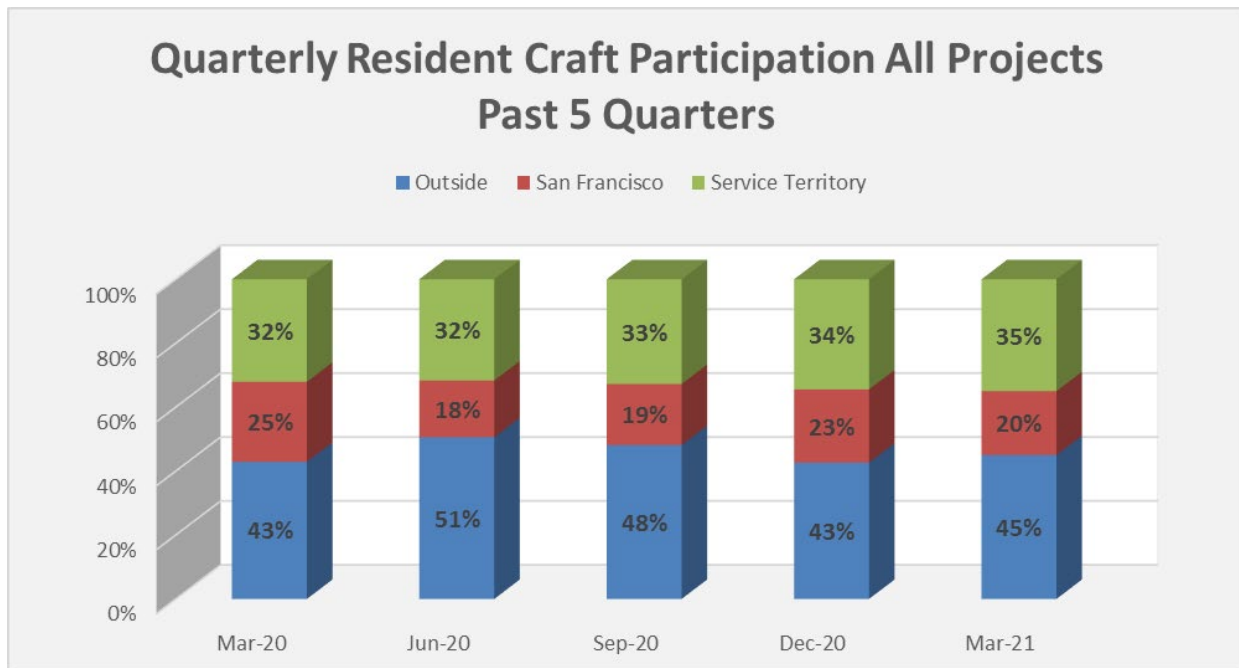
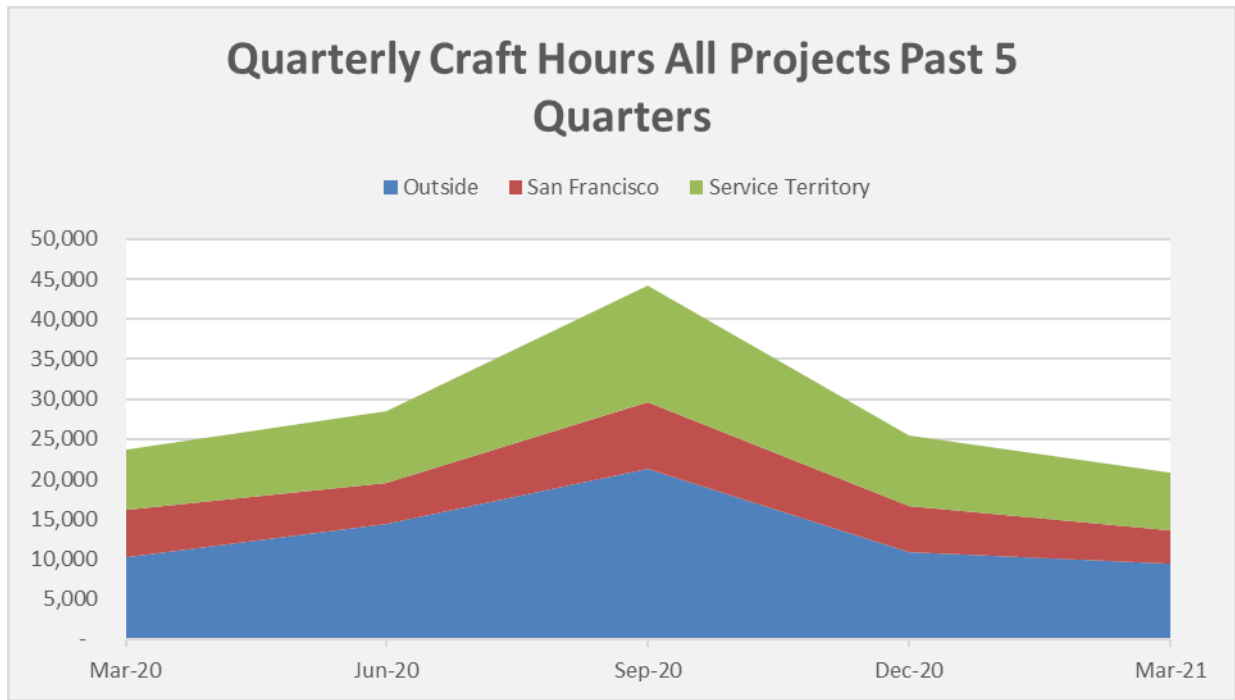
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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



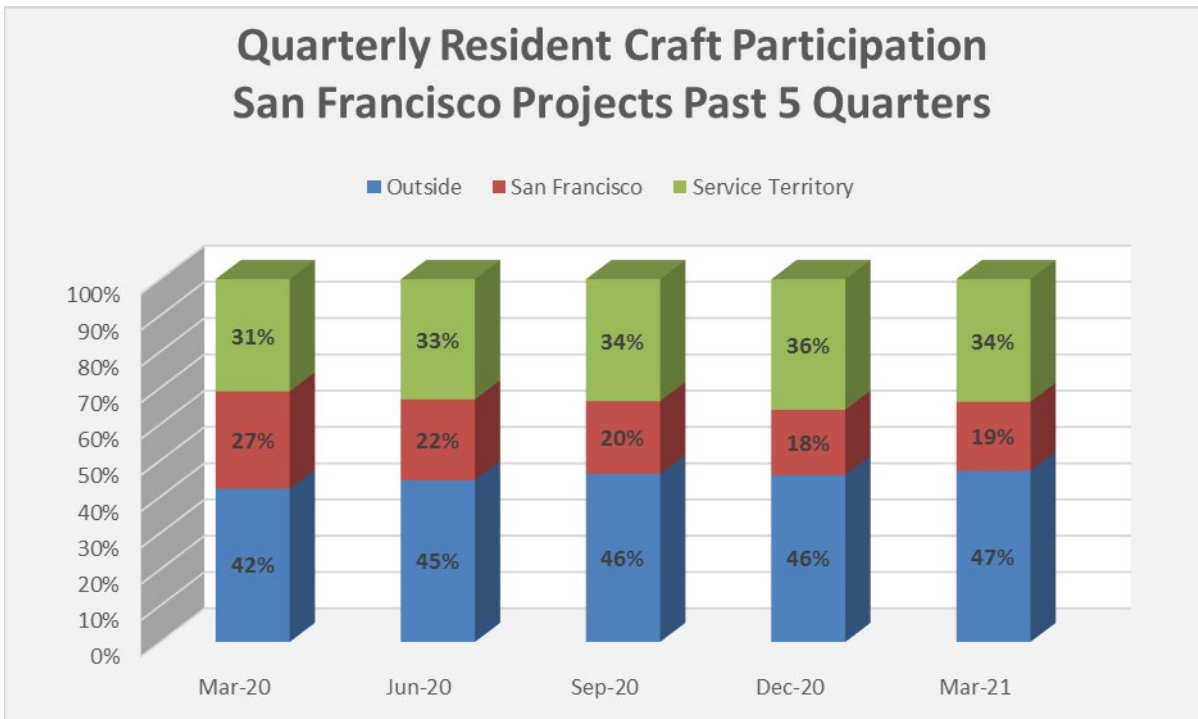
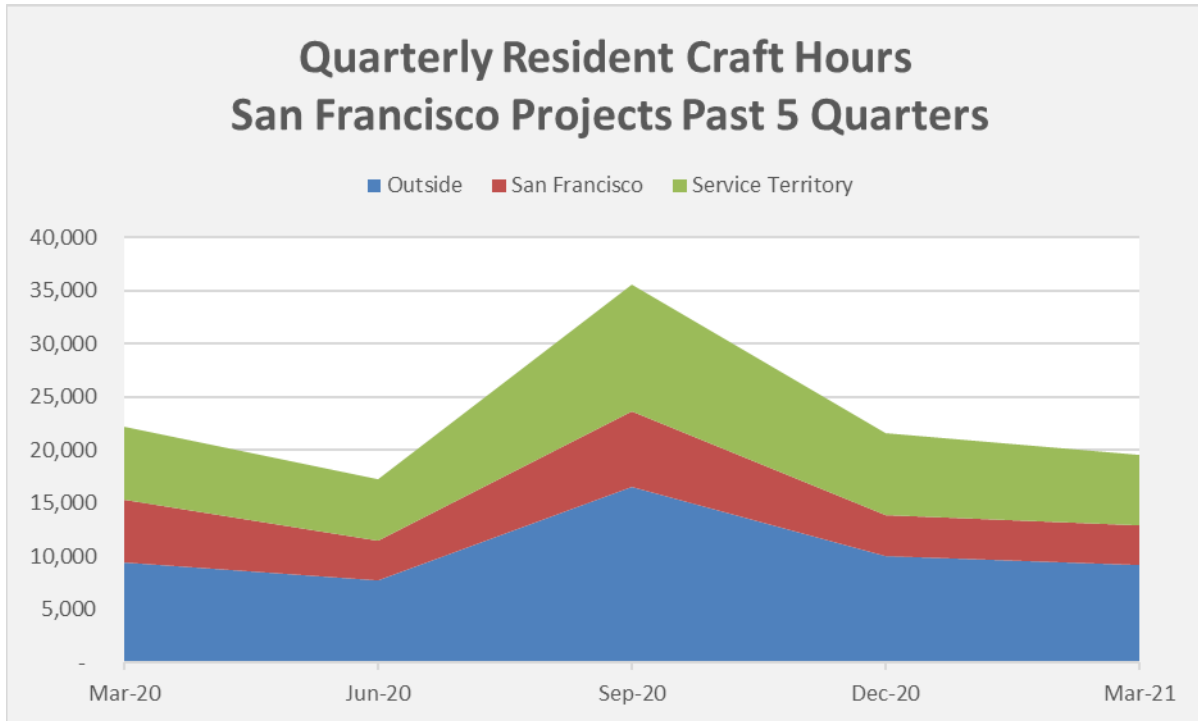
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**Residence on ALL WSIP PLA Projects** - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



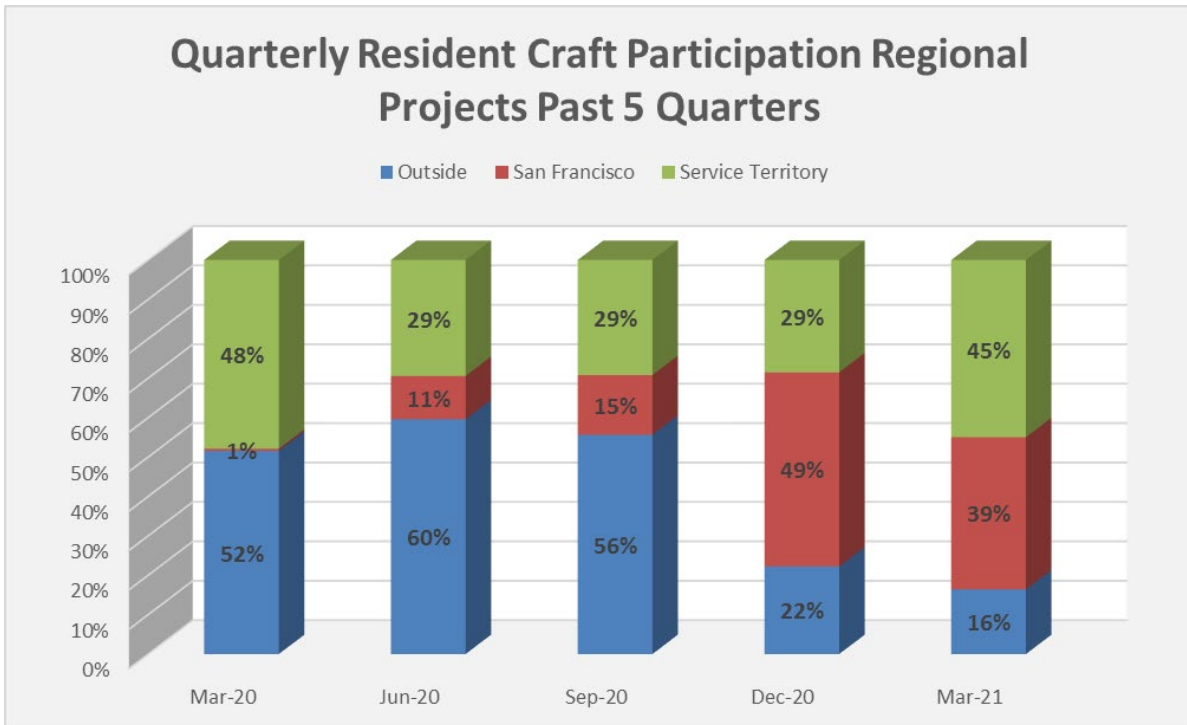
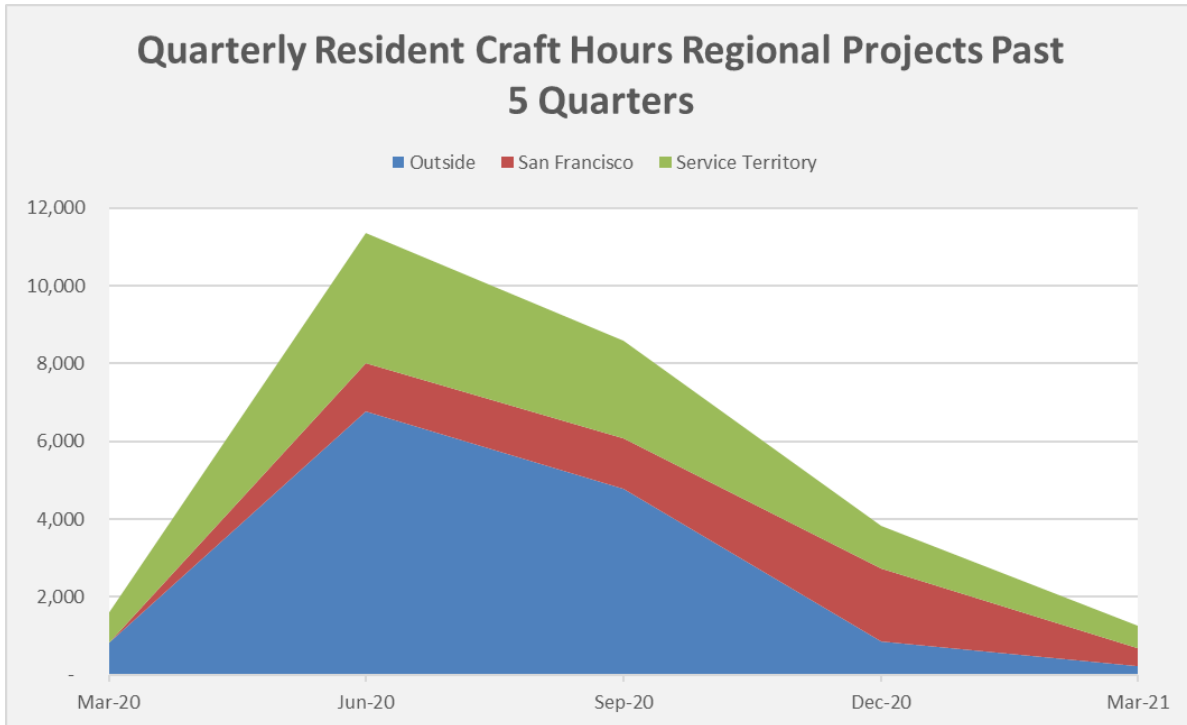
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**Residence on San Francisco-located WSIP PLA Projects** - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.



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



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**Residence by County**

Sorted by Total Craft Hours

<b>WSIP-PLA Employment by Top 20 Counties of Residence</b>					
Inception Through March 31, 2021					
<b>County</b>	<b>Total Craft Hours</b>	<b>Wages</b>	<b>% Craft Hours</b>	<b>Worker Count</b>	<b>FTE</b>
Alameda County	1,552,821	\$ 58,387,273	17.7%	3,011	747
Contra Costa County	1,238,535	\$ 49,334,013	14.1%	2,119	595
San Joaquin County	842,438	\$ 31,979,281	9.6%	1,318	405
San Mateo County	764,185	\$ 31,491,280	8.7%	1,359	367
<b>San Francisco County</b>	<b>635,226</b>	<b>\$ 24,881,397</b>	<b>7.3%</b>	<b>1,482</b>	<b>305</b>
Santa Clara County	457,239	\$ 18,453,905	5.2%	1,340	220
Solano County	435,608	\$ 17,792,378	5.0%	916	209
Stanislaus County	390,651	\$ 14,523,041	4.5%	667	188
Sacramento County	353,235	\$ 14,582,915	4.0%	659	170
Butte County	212,877	\$ 8,446,304	2.4%	133	102
Sonoma County	199,885	\$ 8,503,266	2.3%	403	96
Placer County	112,043	\$ 5,071,994	1.3%	143	54
Tuolumne County	102,588	\$ 3,982,918	1.2%	103	49
Calaveras County	101,680	\$ 4,520,538	1.2%	81	49
El Dorado County	88,624	\$ 3,770,176	1.0%	87	43
Los Angeles County	72,830	\$ 3,277,925	0.8%	148	35
Yolo County	71,698	\$ 2,993,107	0.8%	95	34
Shasta County	70,894	\$ 3,305,744	0.8%	47	34
Riverside County	65,996	\$ 3,122,393	0.8%	112	32
Clark County	62,062	\$ 2,842,502	0.7%	72	30
<b>Top 20 Counties by Hours</b>	<b>7,831,114</b>	<b>\$ 311,262,349</b>	<b>89.5%</b>	<b>14,295</b>	<b>3,765</b>
All Other Counties	922,176	\$ 40,998,223	10.5%	1,565	443
<b>WSIP-PLA Total</b>	<b>8,753,290</b>	<b>\$ 352,260,573</b>	<b>100.0%</b>	<b>15,860</b>	<b>4,208</b>

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**San Francisco Residents by Zip Code**

Sorted by Total Craft Hours

<b>Employment by San Francisco Zip Code</b>					
Inception Through March 31, 2021					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	122,886	\$ 4,469,058	19.3%	248	59
94124	106,375	\$ 4,373,681	16.7%	295	51
94116	85,674	\$ 4,000,734	13.5%	94	41
94110	85,318	\$ 3,027,087	13.4%	197	41
94134	41,339	\$ 1,265,334	6.5%	128	20
94122	36,772	\$ 1,783,447	5.8%	83	18
94103	24,130	\$ 737,432	3.8%	43	12
94121	20,449	\$ 832,290	3.2%	61	10
94127	15,718	\$ 720,198	2.5%	24	8
94118	15,129	\$ 741,292	2.4%	24	7
94132	10,951	\$ 443,053	1.7%	38	5
94117	10,718	\$ 291,982	1.7%	18	5
94107	10,069	\$ 380,457	1.6%	33	5
94102	8,852	\$ 387,998	1.4%	23	4
94131	7,757	\$ 252,646	1.2%	31	4
94133	6,536	\$ 258,080	1.0%	14	3
94109	5,035	\$ 160,992	0.8%	24	2
94114	4,468	\$ 196,812	0.7%	18	2
94108	4,194	\$ 144,211	0.7%	9	2
94115	3,311	\$ 122,080	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	879	\$ 41,174	0.1%	4	0
94104	677	\$ 22,206	0.1%	3	0
94105	495	\$ 15,930	0.1%	8	0
94129	447	\$ 14,182	0.1%	1	0
94188	366	\$ 9,790	0.1%	3	0
94140	288	\$ 11,589	0.0%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94158	118	\$ 6,367	0.0%	6	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
<b>Total</b>	<b>635,226</b>	<b>\$ 24,881,397</b>	<b>100.0%</b>	<b>1,485</b>	<b>305</b>
<b>WSIP-PLA Total</b>	<b>8,753,290</b>	<b>\$ 352,260,573</b>	<b>-</b>	<b>15,860</b>	<b>4,208</b>

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**Residence by Craft**

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through March 31, 2021							
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
Operating Engineer	1,857,950	69,963	663,487	1,124,499	3.8%	35.7%	60.5%
Carpenter	766,950	91,951	312,627	362,372	12.0%	40.8%	47.2%
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%
Electrician	502,704	30,771	257,932	214,002	6.1%	51.3%	42.6%
Plumber	452,845	92,951	151,251	208,644	20.5%	33.4%	46.1%
Iron Worker	277,468	18,196	106,512	152,760	6.6%	38.4%	55.1%
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%
Painter	152,179	9,750	17,490	124,940	6.4%	11.5%	82.1%
Cement Mason	128,594	10,423	54,960	63,212	8.1%	42.7%	49.2%
Boilermaker	121,771	48	23,484	98,239	0.0%	19.3%	80.7%
Building/Construction Inspector	88,866	3,987	12,218	72,661	4.5%	13.7%	81.8%
Roofer	50,075	4,623	26,210	19,243	9.2%	52.3%	38.4%
Sheet Metal Worker	30,228	2,909	15,071	12,249	9.6%	49.9%	40.5%
Field Surveyor	22,095	1,382	4,038	16,676	6.3%	18.3%	75.5%
Drywall Installer/Lather	13,099	4,238	2,389	6,472	32.4%	18.2%	49.4%
Plasterer	11,397	6,899	1,148	3,350	60.5%	10.1%	29.4%
Bricklayer	9,772	82	4,978	4,712	0.8%	50.9%	48.2%
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%
Glazier	5,253	1,246	1,612	2,396	23.7%	30.7%	45.6%
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%
Asbestos Worker, Heat and Frost Insulator	1,349	112	229	1,008	8.3%	17.0%	74.7%
Brick Tender	993	287	19	687	28.9%	1.9%	69.2%
Driver	557	541	8	7	97.3%	1.4%	1.3%
Tile Setter	456	-	433	23	0.0%	95.0%	5.0%
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%
Tile Finisher	333	-	293	40	0.0%	88.0%	12.0%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	128	-	96	32	0.0%	75.0%	25.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
<b>Total Apprenticeable</b>	<b>5,299,880</b>	<b>368,204</b>	<b>1,921,773</b>	<b>3,009,904</b>	<b>6.9%</b>	<b>36.3%</b>	<b>56.8%</b>
Laborer	2,992,270	238,611	1,288,645	1,465,014	8.0%	43.1%	49.0%
<b>Non-Apprenticeable</b>							
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%
Driver (On/Off-Hauling To/From Construction)	99,641	18,062	65,758	15,821	18.1%	66.0%	15.9%
Operating Engineer (Heavy And Highway We	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%
Parking And Highway Improvement Painter (	247	-	165	82	0.0%	66.8%	33.2%
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%
<b>Total Non-Apprenticeable</b>	<b>461,141</b>	<b>28,411</b>	<b>237,576</b>	<b>195,154</b>	<b>6.2%</b>	<b>51.5%</b>	<b>42.3%</b>
<b>Total WSIP PLA</b>	<b>8,753,290</b>	<b>635,226</b>	<b>3,447,993</b>	<b>4,670,071</b>	<b>7.3%</b>	<b>39.4%</b>	<b>53.4%</b>



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**Residence by Project**

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary Through March 31, 2021							
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam Replacement Project	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improvements	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	288,044	5,836	129,660	152,548	2.0%	45.0%	53.0%
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	28.7%
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
WD-2539 - University Mound Reservoir Seismic Upgrades	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2776 - SF Westside Recycled Water Facility at OSP	166,910	39,702	44,843	82,365	23.8%	26.9%	49.3%
WD-2729 - Fish Passage Facilities - Alameda Creek	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Storage	163,260	27,098	83,281	52,882	16.6%	51.0%	32.4%
WD-2627R - Sutro Reservoir Rehabilitation	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%
HH-935C - San Joaquin Pipeline - Eastern Segment	143,988	83	80,508	63,397	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,910	3,122	93,841	44,948	2.2%	66.1%	31.7%
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6%
WD-2552 - Alameda Siphon No. 4 Project	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2%
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1%
WD-2498 - New Crystal Springs Bypass Tunnel	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2%
HH-935B - San Joaquin Pipeline - Western Segment	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam Improvements	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Crossovers	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3 Installation	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir Seismic Retrofit	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic Upgrade	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound System Upgrade	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply Well Stations	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1%
WD-2573 - Pulgas Balancing Reservoir Structural Rehab	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,201	13,222	30,486	8.8%	27.6%	63.6%
WD-2641R - Habitat Reserve Program	44,018	8,771	10,167	25,081	19.9%	23.1%	57.0%
WD-2564 - HTWTP - Short Term Improvements Phases 2 and 3	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1%
WD-2798 - SF Westside Recycled Water Pipeline	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2829R - San Andreas Pipeline No. 2 Replacement	36,655	6,220	10,239	20,195	17.0%	27.9%	55.1%
WD-2797 - SF Westside Recycled Water Pump Station and Reservoir	31,132	9,546	15,342	6,245	30.7%	49.3%	20.1%
WD-2809 - SF Groundwater Supply Phase 2	30,561	5,926	3,099	21,536	19.4%	10.1%	70.5%
WD-2654R - Peninsula Vegetation Removal	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Water Project	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed Compensation	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Main - Phase II	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bav Division Pipeline No. 5, Cordilleras Microtunnel	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve Lot Improvements	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pipeline	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station Upgrades Project	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvements	12,859		8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restoration	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Dam Stilling Basin Connecting Channel	8,209	291	3,270	4,648	3.5%	39.8%	56.6%
WD-2600 - Regional Groundwater Storage and Recovery Project- Test	6,088		296	5,792	0.0%	4.9%	95.1%
WD-2855 - Turner Dam Spillway and Pond F3 East Erosion Repair	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%
WD-2852R - SF Westside Recycled Water Irrigation System Retrofits	80	32	24	24	40.0%	30.0%	30.0%
<b>Total WSIP PLA</b>	<b>8,753,290</b>	<b>635,226</b>	<b>3,447,993</b>	<b>4,670,071</b>	<b>7.3%</b>	<b>39.4%</b>	<b>53.4%</b>

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**Apprentice Utilization**

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

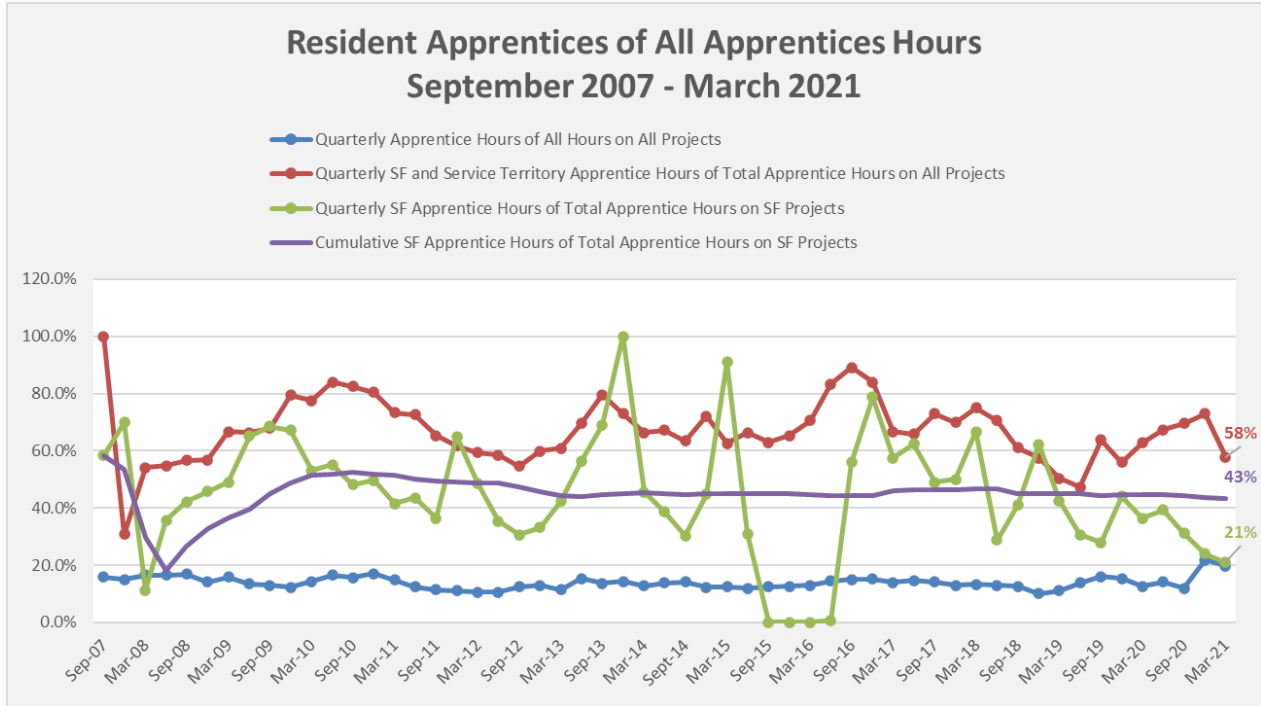
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.2% of apprentice hours were worked by San Francisco residents and 53.3% were worked by residents of the Regional Service Territory, or 69.5% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,857,950	209,122	25,395	86,311	97,417	11.3%	1.4%	4.6%	12.1%	41.3%	46.6%
A - Carpenter	766,950	122,028	32,255	57,027	32,747	15.9%	4.2%	7.4%	26.4%	46.7%	26.8%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	502,704	97,428	12,660	65,168	19,600	19.4%	2.5%	13.0%	13.0%	66.9%	20.1%
A - Plumber	452,845	123,375	36,329	58,731	28,315	27.2%	8.0%	13.0%	29.4%	0.0%	0.0%
A - Iron Worker	277,468	61,395	10,976	26,986	23,433	22.1%	4.0%	9.7%	17.9%	44.0%	38.2%
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%
A - Painter	152,179	26,036	1,747	6,426	17,863	17.1%	1.1%	4.2%	6.7%	24.7%	68.6%
A - Cement Mason	128,594	6,518	4,243	1,124	1,151	5.1%	3.3%	0.9%	65.1%	17.2%	17.7%
A - Boilermaker	121,771	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%
A - Building/Construction Inspector	88,866	5,068	17	1,254	3,797	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%
A - Roofer	50,075	12,666	2,096	5,601	4,969	25.3%	4.2%	11.2%	0.0%	0.0%	0.0%
A - Sheet Metal Worker	30,228	4,772	307	3,276	1,190	15.8%	1.0%	10.8%	6.4%	68.6%	24.9%
A - Field Surveyor	22,095	734	11	71	652	3.3%	0.0%	0.3%	1.5%	9.7%	88.8%
A - Drywall Installer/Lather	13,099	780	68	283	429	6.0%	0.5%	2.2%	8.7%	36.3%	55.0%
A - Plasterer	11,397	347	136	-	211	3.0%	1.2%	0.0%	39.2%	0.0%	60.8%
A - Bricklayer	9,772	2,788	82	679	2,027	28.5%	0.8%	6.9%	2.9%	24.4%	72.7%
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%
A - Glazier	5,253	897	620	132	145	17.1%	11.8%	2.5%	69.1%	14.7%	16.2%
A - Metal Roofing Systems Installer	2,586	757	-	757	-	29.3%	0.0%	29.3%	0.0%	100.0%	0.0%
A - Asbestos Worker, Heat and Frost Insul	1,349	146	112	-	34	10.8%	8.3%	0.0%	76.7%	0.0%	23.3%
A - Brick Tender	993	24	24	-	-	2.4%	2.4%	0.0%	0.0%	0.0%	0.0%
A - Driver	557	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Tile Setter	456	125	-	109	16	27.4%	0.0%	23.9%	0.0%	87.2%	12.8%
A - Carpet Layer	354	27	-	23	4	7.6%	0.0%	6.5%	0.0%	0.0%	0.0%
A - Tile Finisher	333	96	-	56	40	28.8%	0.0%	16.8%	0.0%	58.3%	41.7%
A - Terrazzo Worker	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Sprinkler Fitter	128	-	-	-	-	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	5,299,880	696,124	131,566	325,155	239,402	13.1%	2.5%	6.1%	18.9%	46.7%	34.4%
A - Laborer	2,992,270	405,636	46,693	261,752	97,190	13.6%	1.6%	8.7%	11.5%	64.5%	24.0%
Total Apprenticeable	8,292,150	1,101,760	178,260	586,907	336,593	13.3%	2.1%	7.1%	16.2%	53.3%	30.6%
Total Non-Apprenticeable	461,141										
Total WSIP - Covered by PLA	8,753,290										

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For the three months ending March 31, 2021, 24% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



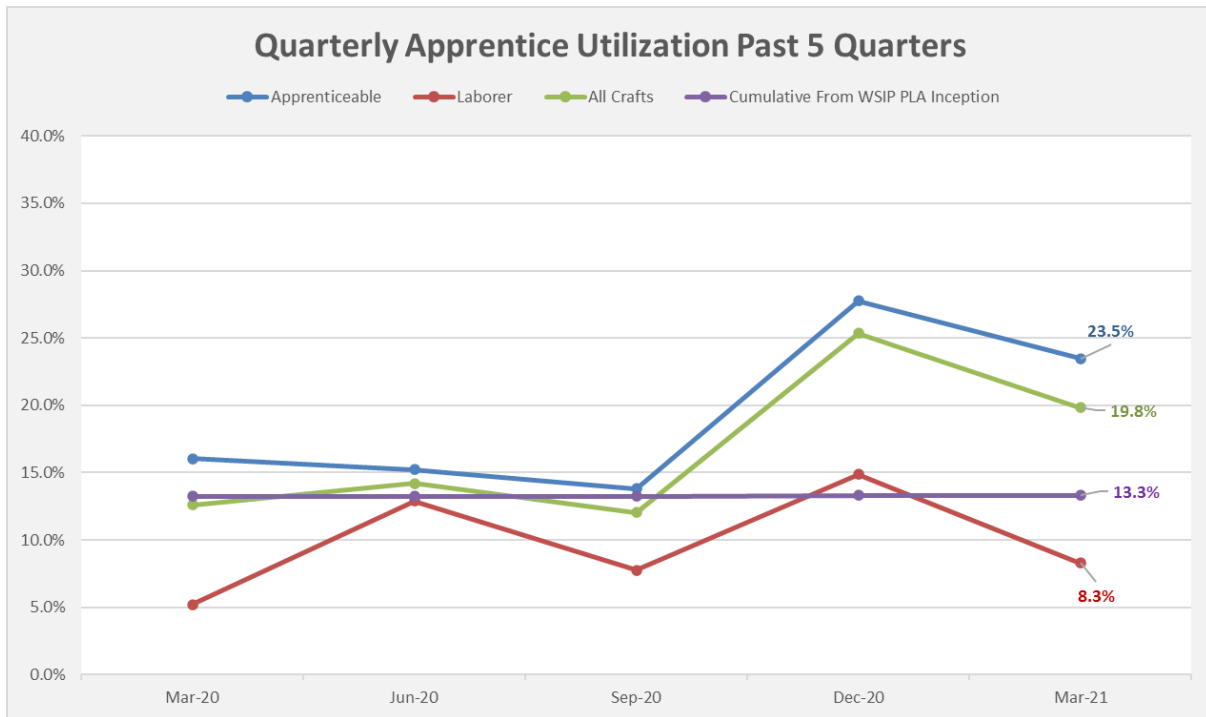
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprenticeship Utilization* from highest to lowest. The total Apprenticeship Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprenticeship Utilization By Project											
Inception Through March 31, 2021											
Project	Apprenticeship Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprenticeship 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 Faci	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 Recy	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-2776 - SF Westside Recy	166,910	132,830	133	33,948	166,778	27,852	1,830	29,682	21.0%	5.4%	17.8%
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 Spring	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	0.0%	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	163,260	102,481	1,079	59,700	162,181	18,467	7,391	25,858	18.0%	12.4%	15.9%
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 I	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 R	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 Pe	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2504 - Stanford Heights R	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2513 - San Andreas Pipeli	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%
WD-2622 - SF Groundwater Su	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2797 - SF Westside Recy	31,132	14,177	-	16,955	31,132	1,332	2,665	3,997	9.4%	15.7%	12.8%
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-2822R2 - Lower Crystal Sp	8,209	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	11.7%
WD-2555 - Crystal Springs P	127,763	49,074	9,202	68,958	118,032	7,559	5,394	12,953	15.4%	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%
WD-2809 - SF Groundwater Su	30,561	15,063	-	15,498	30,561	2,666	633	3,299	17.7%	4.1%	10.8%
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 / S	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 Cr	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2665 - Bav Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2829R - San Andreas Pipe	36,655	17,088	1,686	17,849	34,937	512	2,386	2,897	3.0%	13.4%	8.3%
WD-2581 - New Irnington 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 Recy	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 Vegeta	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 Transm	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-2852R - SF Westside Rec	80	16	-	64	80	-	-	-	0.0%	0.0%	0.0%
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	-	-	-	-	0.0%	0.0%	0.0%
<b>WSIP - Covered by PLA (57 Pr</b>	<b>8,753,290</b>	<b>5,299,880</b>	<b>459,089</b>	<b>2,992,270</b>	<b>8,290,062</b>	<b>696,124</b>	<b>405,636</b>	<b>1,101,760</b>	<b>13.1%</b>	<b>13.6%</b>	<b>13.3%</b>

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



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**Substance Abuse Prevention**

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

**15,200** pre-employment tests have been administered as of March 31, 2021, to people who were cleared to work. 203 people did not pass pre-employment screens and consequently were prevented from working until the results could be confirmed through lab tests. Strict regulations and high compliance by the contractors have led to a mere **1.34%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Program. The chart is on the next page.

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<b>WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary</b>	
Tests Administered to Individuals Cleared to Work Through 3/31/2021	
Project	Number Cleared
WD-2640 - Bioregional Habitat Restoration	-
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Project	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	382
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
WD-2668 - Regional Groundwater Storage and Recovery	265
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	226
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
WD-2627R - Suto Reservoir Rehabilitation and Seismic Upgrade	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2513 - San Andreas Pipeline No.3 Installation Project	178
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
WD-2575 - San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	125
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Project	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2829R - San Andreas Pipeline No. 2 Replacement	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2654R - Peninsula Vegetation Removal	34
WD-2511 - Standby Power Facilities, Various Locations	30
WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30
WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28
WD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassla	23
WD-2600 - Regional Groundwater Storage and Recovery Project- Test Well Drilling	22
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	10
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2852R - San Francisco Westside Recycled Water Irrigation System Retrofits	3
<b>Total Cleared</b>	<b>15,200</b>

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**Legislative History of the WSIP PLA**

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

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

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

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

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

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



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**Governance**

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

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

**Pre-Job Conferences and Jurisdictional Disputes**

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

**Web-Based Labor Compliance Program**

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



HETCH HETCHY

WATER SYSTEM **IMPROVEMENT** PROGRAM

# **Water System Improvement Program Project Labor Agreement**

**Quarterly Report  
Quarter Ended June 30, 2021  
(Fourth Quarter FY 2020-2021)**

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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-nine (59) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.218 billion in original contract award through June 30, 2021.

Construction Activity Highlights – Program-to-Date

**Contracting:**

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

**Employment:**

- Since inception, 15,938 construction workers were employed for 8,794,053 hours and earned wages of \$354,628,445 on WSIP PLA-covered projects.
- 1,493 San Francisco residents worked 642,414 hours and earned \$25,299,722 on WSIP PLA-covered projects representing 7% of covered hours and 309 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. 6,481 residents of the Regional Service Territory earned wages of \$134,837,056 and worked 3,460,479 hours, representing 39% of covered hours and 1,658 full-time equivalent worker years.
- 15,222 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of June 30, 2021. 203 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Region of Worker Residence	Inception Through June 30, 2021			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	15,938	8,794,053	\$ 354,628,445	4,228
San Francisco	1,493	642,414	\$ 25,299,722	309
SFPUC Service Territory	6,481	3,460,479	\$ 134,837,056	1,664
Outside	7,964	4,691,160	\$ 194,491,666	2,255

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Construction Activity Highlights – Quarter Ending June 30, 2021

**Contracting:**

- There were no contracts awarded during the reporting period.

**Employment:**

- 202 construction workers were employed for 40,762 hours and earned wages of \$2,367,872 on WSIP PLA-covered projects.
- 33 San Francisco residents worked 7,188 hours and earned wages of \$418,325 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, 79 residents of the Regional Service Territory worked 12,485 hours and earned wages of \$677,628 on WSIP PLA-covered projects.
- 22 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and no individuals were prevented from working as the result of a positive test.

**Summary of Craft Worker Employment**

Region of Worker Residence	Three Months Ending June 30, 2021			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	202	40,762	\$ 2,367,872	20
San Francisco	33	7,188	\$ 418,325	3
SFPUC Service Territory	79	12,485	\$ 677,628	6
Outside	90	21,089	\$ 1,271,919	10

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

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**Summary of WSIP PLA-Covered Contract Awards**

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through June 30, 2021					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation System	\$3 Million	\$ 2,483,525
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station and	\$20 Million	\$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Channel	\$5.8 Million	\$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Facility	\$70 to \$80 Million	\$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$ 9,780,000
11/08/16	WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$ 21,729,720
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	\$30 Million	\$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544
01/13/15	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Park	\$5.9 to \$6.7 Million	\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well	\$3.6 to \$4.2 Million	\$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Antonio	\$6.4 Million	\$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Aleman Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
<b>Total 59 Projects</b>					<b>\$ 2,218,827,955</b>

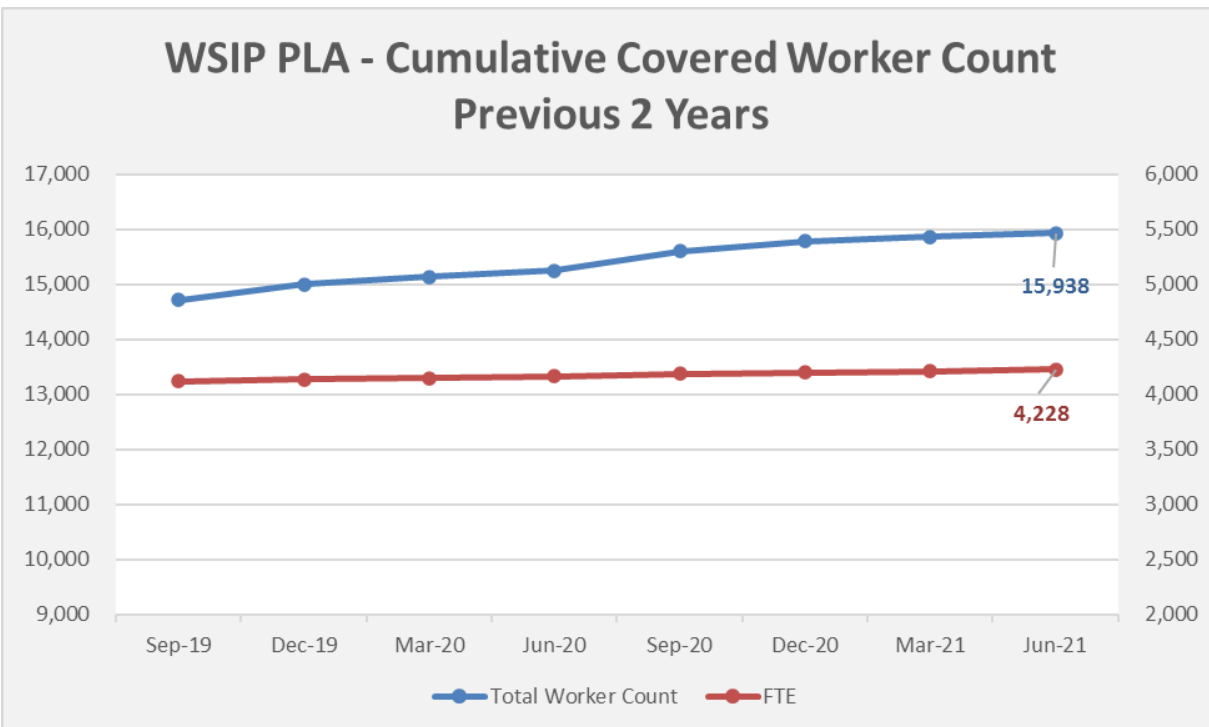
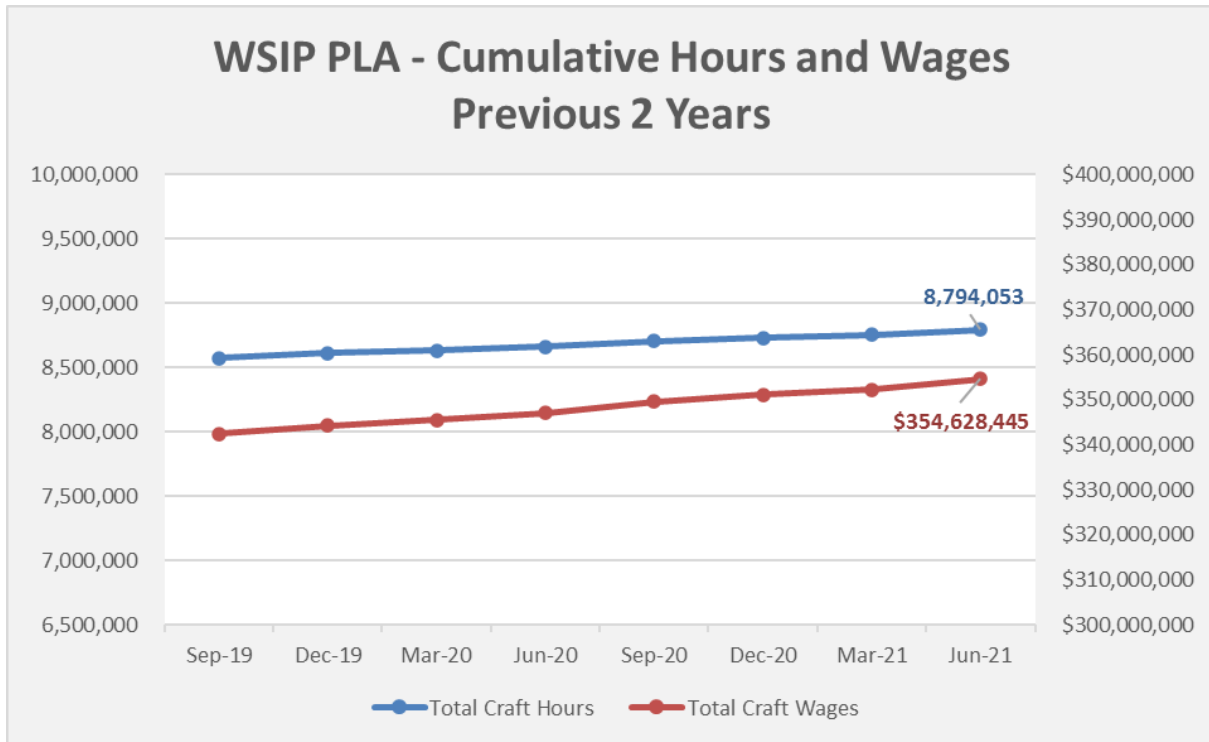
\* indicates projects located in San Francisco

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**Summary Charts**

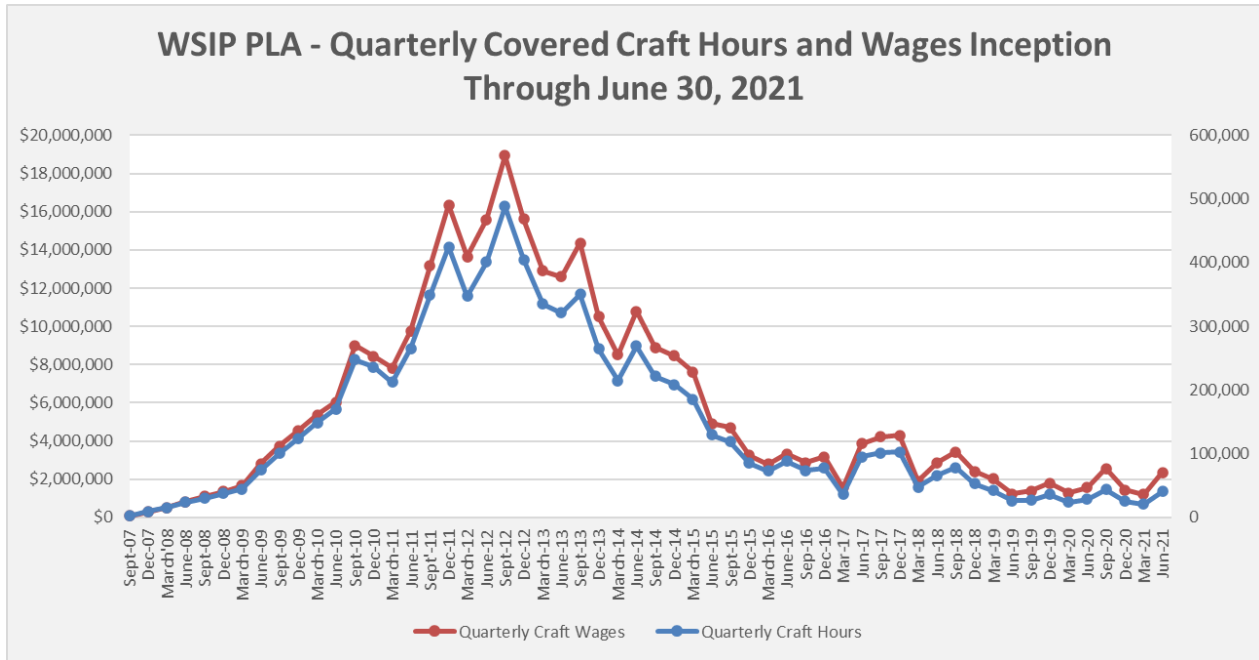
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending June 30, 2021, 15,938 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,794,053 craft hours and \$354,628,445 in craft wages.

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

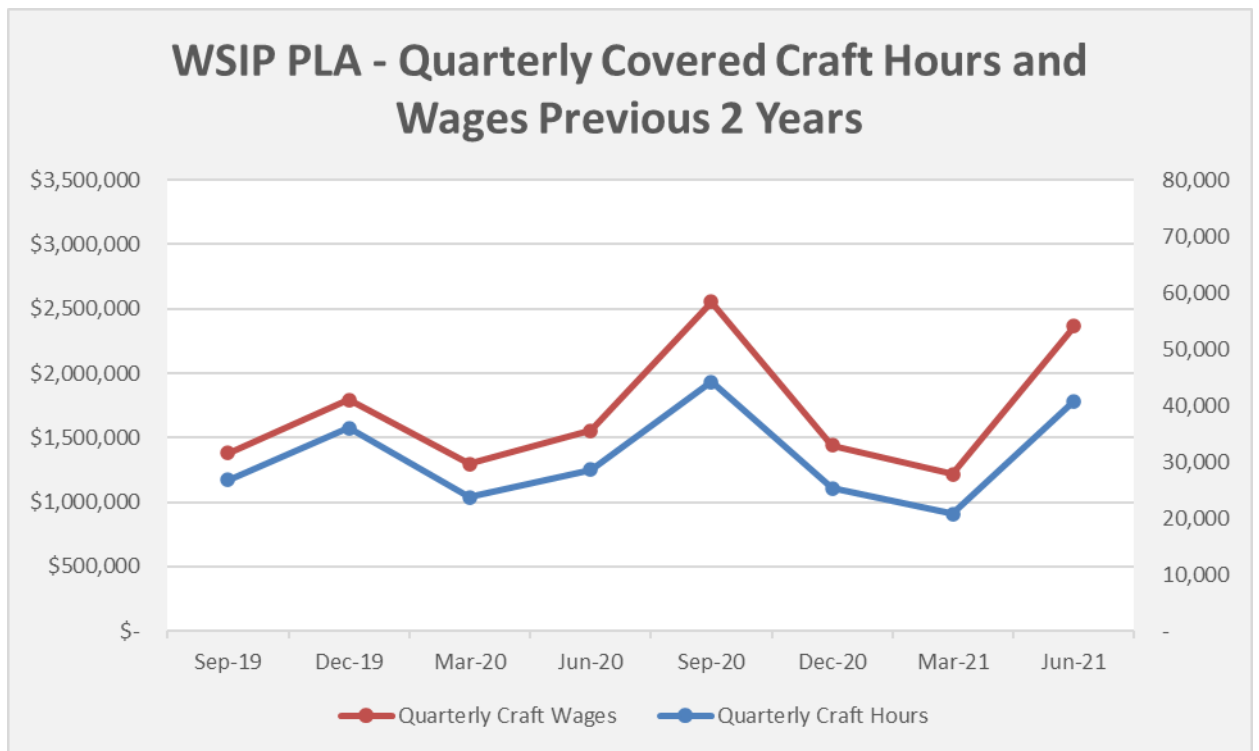


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98.9% total completion, Craft Hours have and will likely continue to trend down until total completion.



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





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**Craft Utilization on WSIP PLA-Covered Projects**

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

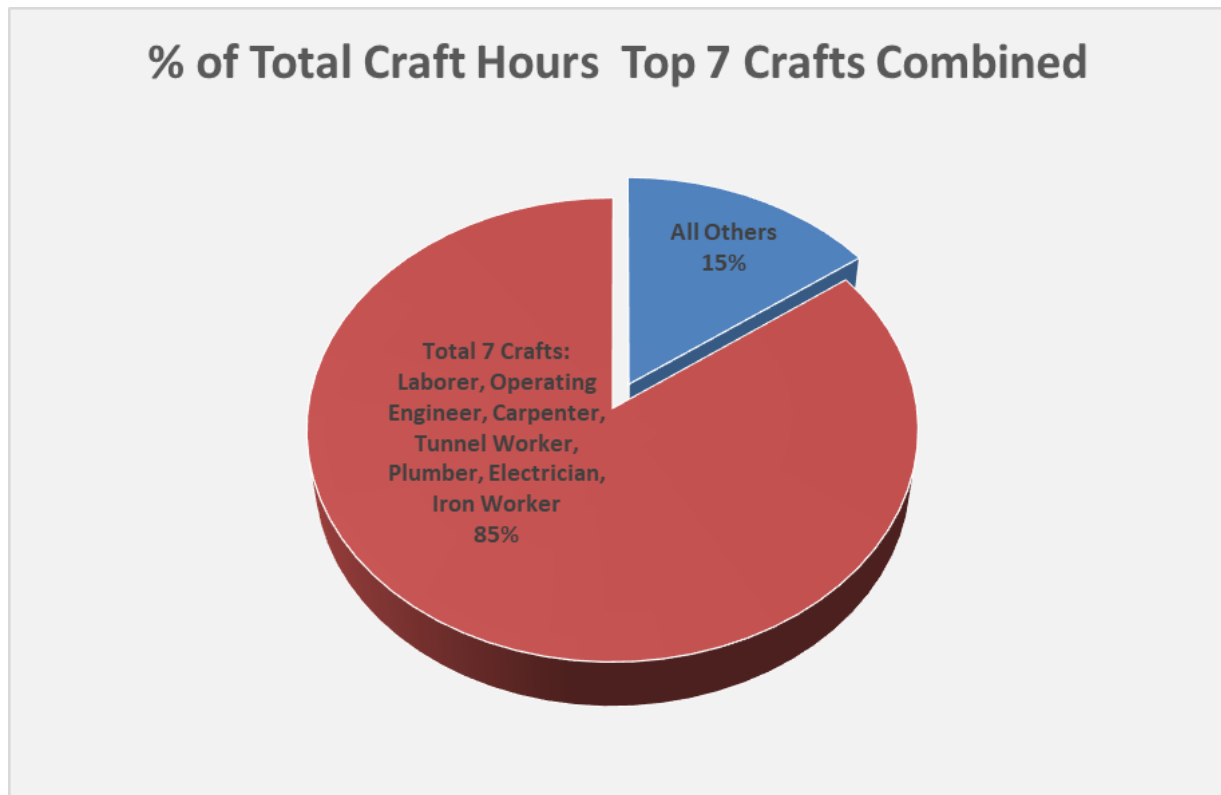
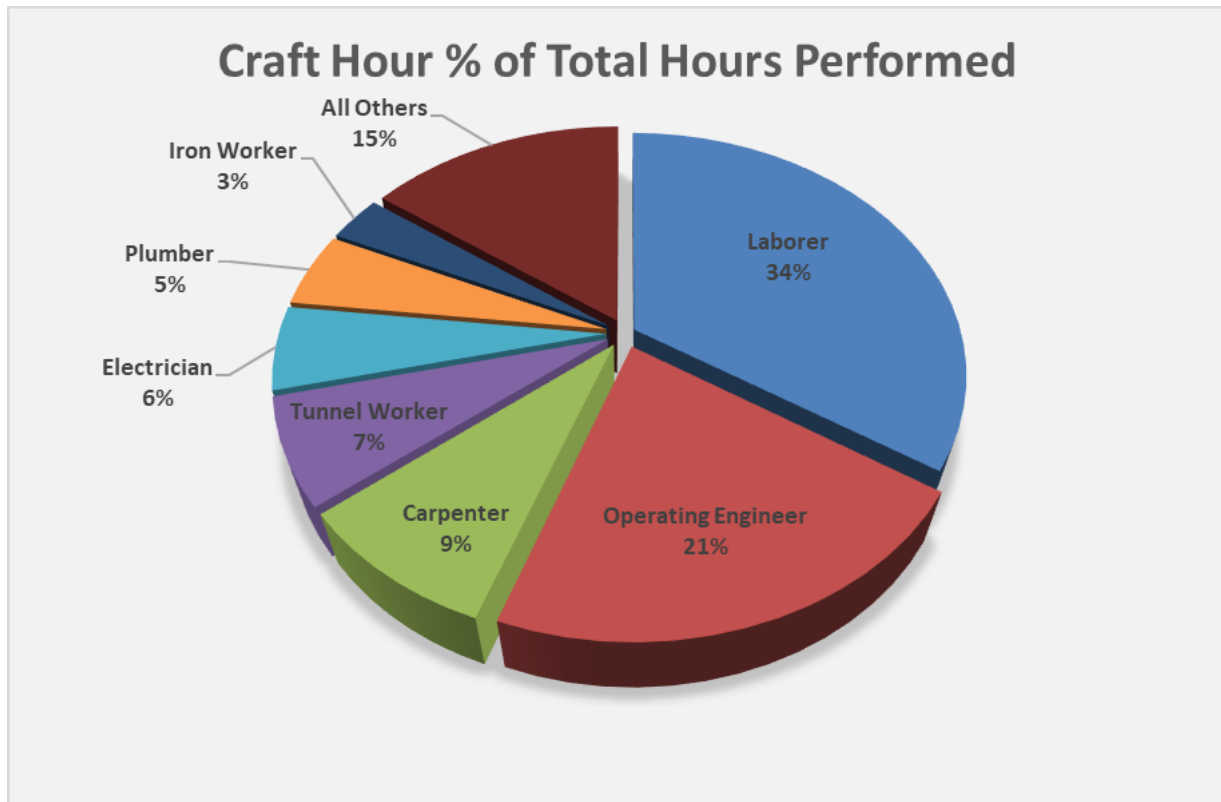
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

<b>Cumulative Employment by Craft</b>					
Inception Through June 30, 2021					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
Laborer	3,001,873	\$ 93,758,982	34.1%	26.4%	1,443
Operating Engineer	1,858,330	\$ 78,511,598	21.1%	22.1%	893
Carpenter	770,822	\$ 33,088,985	8.8%	9.3%	371
Tunnel Worker	612,964	\$ 26,175,557	7.0%	7.4%	295
Electrician	517,451	\$ 28,176,770	5.9%	7.9%	249
Plumber	457,226	\$ 22,204,185	5.2%	6.3%	220
Iron Worker	279,168	\$ 9,728,405	3.2%	2.7%	134
<b>Top 7 Sub-Total</b>	<b>7,497,833</b>	<b>\$ 291,644,482</b>	<b>85.3%</b>	<b>82.2%</b>	<b>3,605</b>
Pile Driver	181,764	\$ 9,710,884	2.1%	2.7%	87
Painter	153,759	\$ 6,078,394	1.7%	1.7%	74
Cement Mason	129,170	\$ 4,546,874	1.5%	1.3%	62
Boilermaker	121,771	\$ 6,494,850	1.4%	1.8%	59
Building/Construction Inspector	88,866	\$ 5,006,218	1.0%	1.4%	43
Roofer	50,249	\$ 1,715,222	0.6%	0.5%	24
Sheet Metal Worker	31,069	\$ 1,627,791	0.4%	0.5%	15
Field Surveyor	22,095	\$ 1,262,291	0.3%	0.4%	11
Drywall Installer/Lather	13,649	\$ 612,830	0.2%	0.2%	7
Plasterer	11,819	\$ 439,121	0.1%	0.1%	6
Bricklayer	10,355	\$ 410,467	0.1%	0.1%	5
Electrical Utility Lineman	6,909	\$ 425,367	0.1%	0.1%	3
Glazier	6,038	\$ 296,020	0.1%	0.1%	3
Metal Roofing Systems Installer	2,586	\$ 92,217	0.0%	0.0%	1
Asbestos Worker, Heat and Frost Insu	1,365	\$ 78,187	0.0%	0.0%	1
Brick Tender	993	\$ 34,361	0.0%	0.0%	0
Tile Setter	613	\$ 25,039	0.0%	0.0%	0
Driver	557	\$ 56,185	0.0%	0.0%	0
Tile Finisher	523	\$ 13,087	0.0%	0.0%	0
Carpet Layer	354	\$ 16,311	0.0%	0.0%	0
Elevator	206	\$ 13,689	0.0%	0.0%	0
Terrazzo Worker	199	\$ 8,163	0.0%	0.0%	0
Sprinkler Fitter	128	\$ 8,769	0.0%	0.0%	0
Marble Finisher	40	\$ 1,342	0.0%	0.0%	0
Terrazzo Finisher	4	\$ 160	0.0%	0.0%	0
<b>Remaining Apprenticeable Sub-Total</b>	<b>835,079</b>	<b>\$ 38,973,841</b>	<b>9.5%</b>	<b>11.0%</b>	<b>401</b>
<b>Total Non-Apprenticeable</b>	<b>461,141</b>	<b>\$ 24,010,122</b>	<b>5.2%</b>	<b>6.8%</b>	<b>222</b>
<b>Total WSIP-Covered by PLA</b>	<b>8,794,053</b>	<b>\$ 354,628,445</b>	<b>100.0%</b>	<b>100.0%</b>	<b>4,228</b>

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



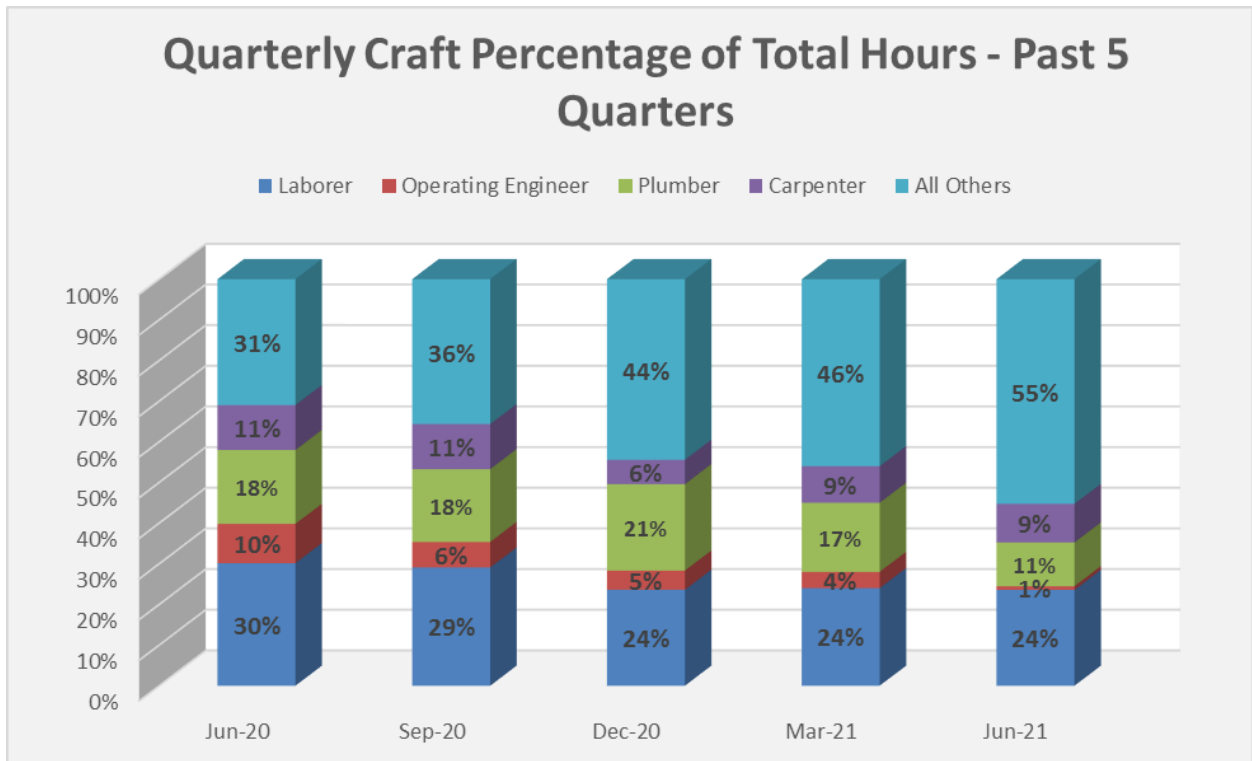
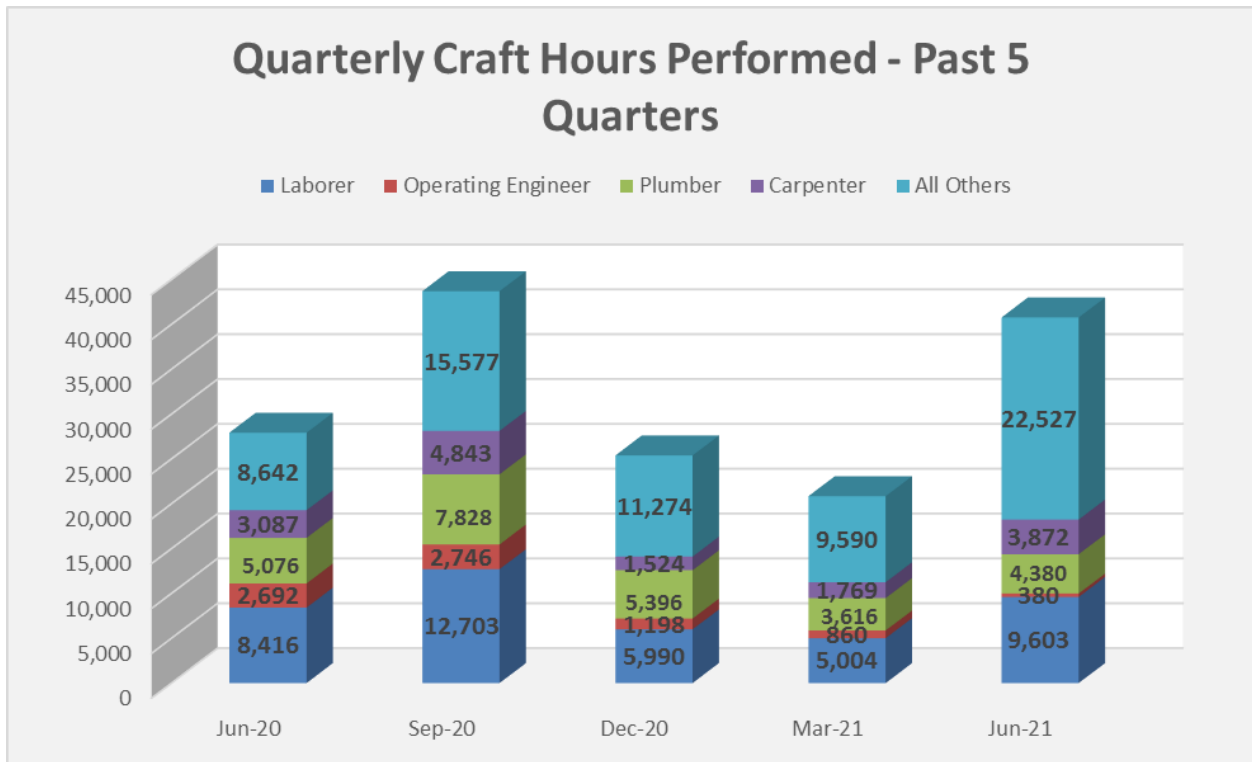
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 6-30-2021 Hours	Quarter Ending 6-30-2021 Wages
Laborer	3,001,873	\$ 93,758,982	9,603	\$ 384,550
Operating Engineer	1,858,330	\$ 78,511,598	380	\$ 49,691
Carpenter	770,822	\$ 33,088,985	3,872	\$ 213,928
Tunnel Worker	612,964	\$ 26,175,557	-	\$ -
Electrician	517,451	\$ 28,176,770	14,747	\$ 1,033,278
Plumber	457,226	\$ 22,204,185	4,380	\$ 307,769
Iron Worker	279,168	\$ 9,728,405	1,700	\$ 71,482
Pile Driver	181,764	\$ 9,710,884	-	\$ -
Painter	153,759	\$ 6,078,394	1,580	\$ 80,284
Cement Mason	129,170	\$ 4,546,874	576	\$ 20,744
Boilermaker	121,771	\$ 6,494,850	-	\$ -
Building/Construction Inspector	88,866	\$ 5,006,218	-	\$ -
Roofer	50,249	\$ 1,715,222	174	\$ 8,864
Sheet Metal Worker	31,069	\$ 1,627,791	841	\$ 55,516
Field Surveyor	22,095	\$ 1,262,291	-	\$ -
Drywall Installer/Lather	13,649	\$ 612,830	550	\$ 29,334
Plasterer	11,819	\$ 439,121	422	\$ 16,820
Bricklayer	10,355	\$ 410,467	583	\$ 26,881
Electrical Utility Lineman	6,909	\$ 425,367	-	\$ -
Glazier	6,038	\$ 296,020	785	\$ 40,028
Metal Roofing Systems Installer	2,586	\$ 92,217	-	\$ -
Asbestos Worker, Heat and Frost Insulator	1,365	\$ 78,187	16	\$ 1,028
Brick Tender	993	\$ 34,361	-	\$ -
Tile Setter	613	\$ 25,039	157	\$ 8,134
Driver	557	\$ 56,185	-	\$ -
Tile Finisher	523	\$ 13,087	190	\$ 5,852
Carpet Layer	354	\$ 16,311	-	\$ -
Elevator	206	\$ 13,689	206	\$ 13,689
Terrazzo Worker	199	\$ 8,163	-	\$ -
Sprinkler Fitter	128	\$ 8,769	-	\$ -
Marble Finisher	40	\$ 1,342	-	\$ -
Terrazzo Finisher	4	\$ 160	-	\$ -
	<b>8,332,912</b>	<b>330,618,323</b>	<b>40,762</b>	<b>2,367,872</b>
Teamster	136,065	\$ 6,427,969	-	\$ -
Driver (On/Off-Hauling To/From Construction Site)	99,641	\$ 7,473,003	-	\$ -
Operating Engineer (Heavy And Highway Work) (Special)	95,289	\$ 4,512,513	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway)	79,393	\$ 3,676,393	-	\$ -
Asbestos Removal Worker (Laborer)	17,121	\$ 437,612	-	\$ -
Tunnel/Underground (Operating Engineer-Heavy And Highway)	13,201	\$ 590,532	-	\$ -
Water Well Driller	12,313	\$ 608,914	-	\$ -
Tree Trimmer (High Voltage Line Clearance)	1,422	\$ 36,006	-	\$ -
Telecommunications Technician	1,160	\$ 37,245	-	\$ -
Landscape Maintenance Laborer	1,131	\$ 32,404	-	\$ -
Steel Erector And Fabricator (Operating Engineer - Heavy)	1,123	\$ 56,467	-	\$ -
Traffic Control/Lane Closure (Laborer)	888	\$ 31,991	-	\$ -
Dredger Operating Engineer	831	\$ 33,307	-	\$ -
Operating Engineer (Building Construction)	635	\$ 24,810	-	\$ -
Slurry Seal Worker	592	\$ 17,811	-	\$ -
Parking And Highway Improvement Painter (Painter)	247	\$ 10,082	-	\$ -
Ironworker (Db)	80	\$ 2,772	-	\$ -
Teamster (Special Single Shift Rate)	11	\$ 291	-	\$ -
<b>Total Non-Apprenticeable</b>	<b>461,141</b>	<b>\$ 24,010,122</b>	<b>-</b>	<b>\$ -</b>
<b>Total Apprenticable</b>	<b>8,332,912</b>	<b>\$ 330,618,323</b>	<b>40,762</b>	<b>\$ 2,367,872</b>
<b>Total WSIP PLA</b>	<b>8,794,053</b>	<b>\$ 354,628,445</b>	<b>40,762</b>	<b>\$ 2,367,872</b>

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

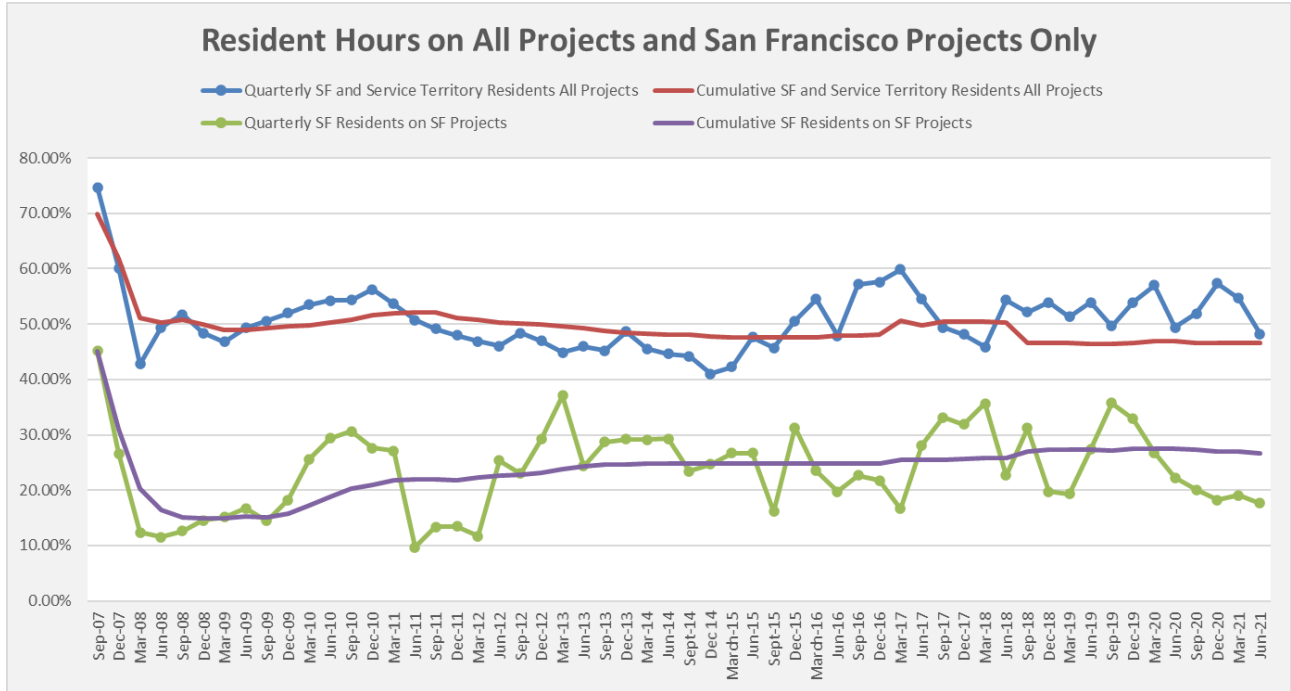


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**Worker Residence on the WSIP PLA**

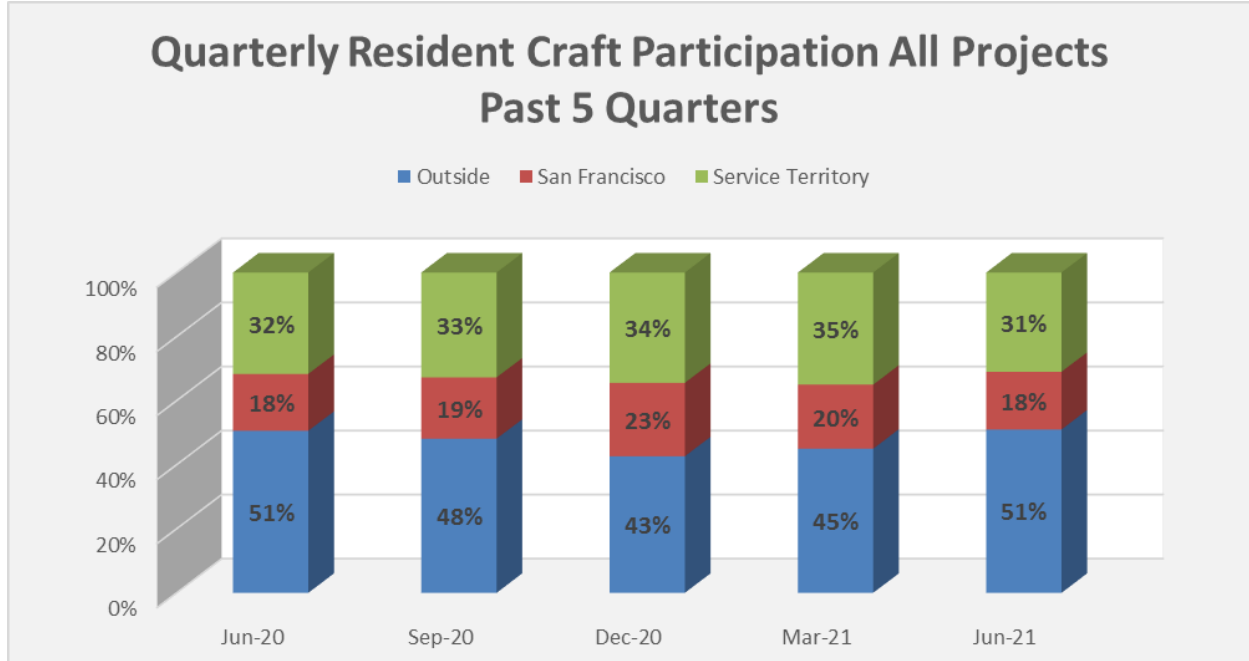
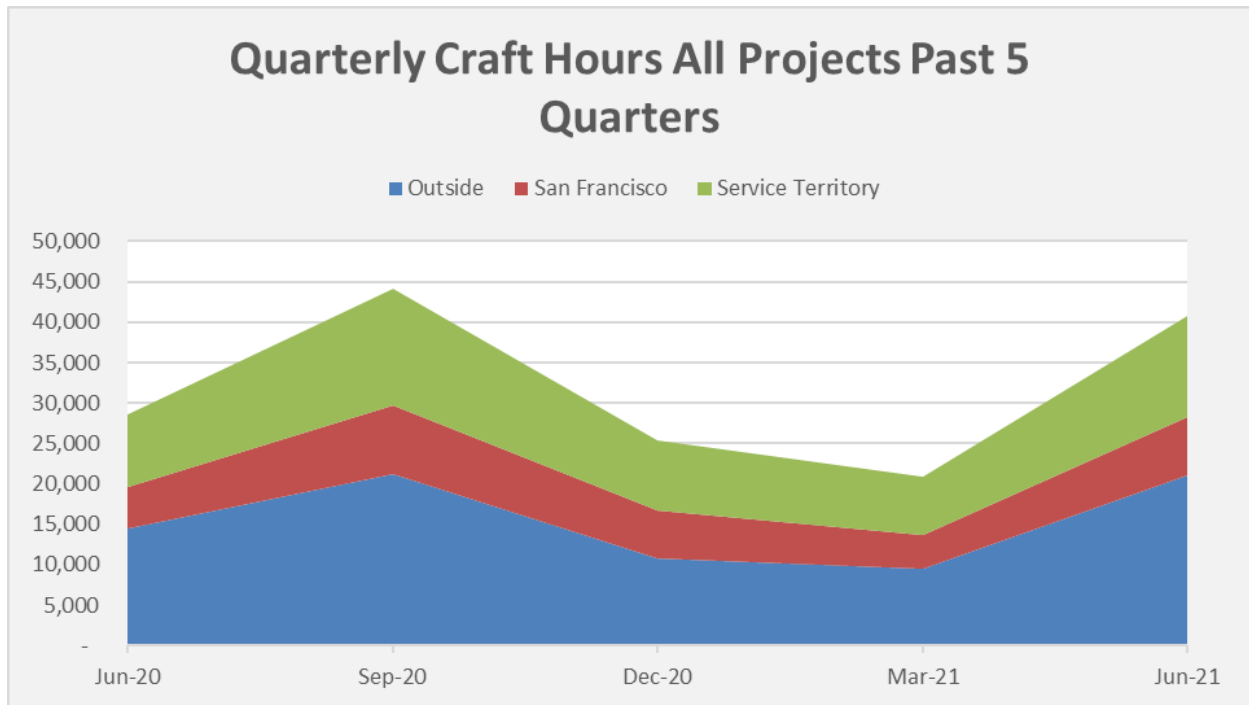
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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



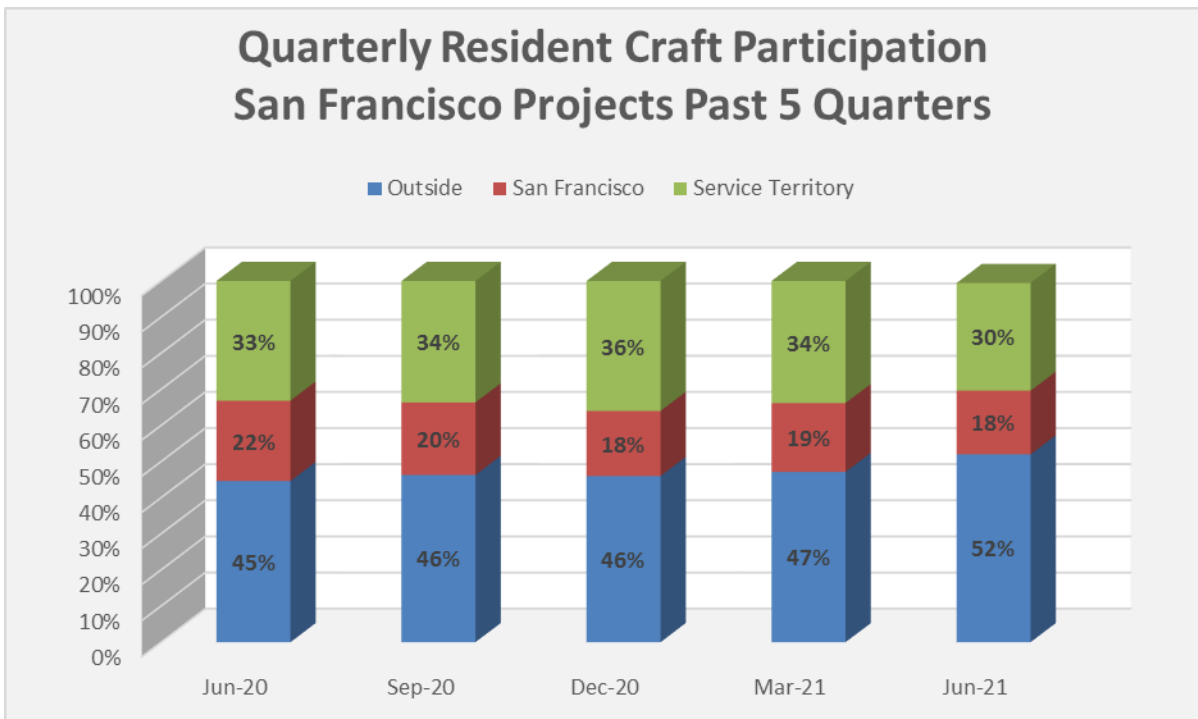
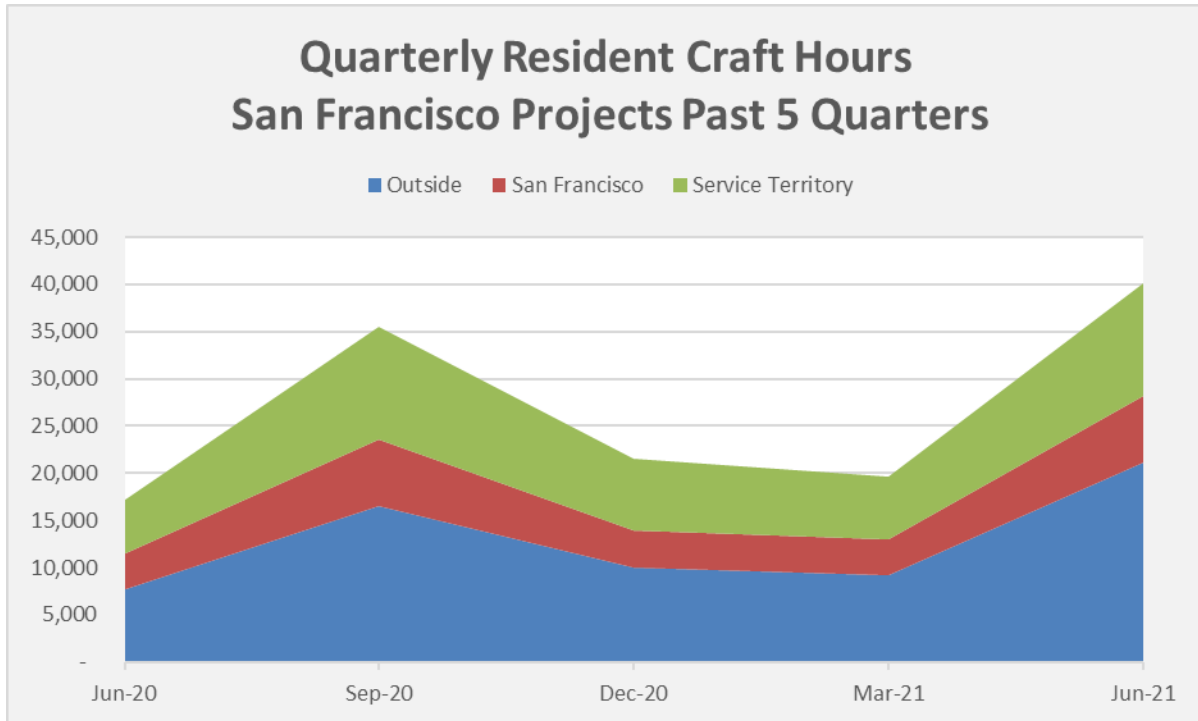
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**Residence on ALL WSIP PLA Projects** - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



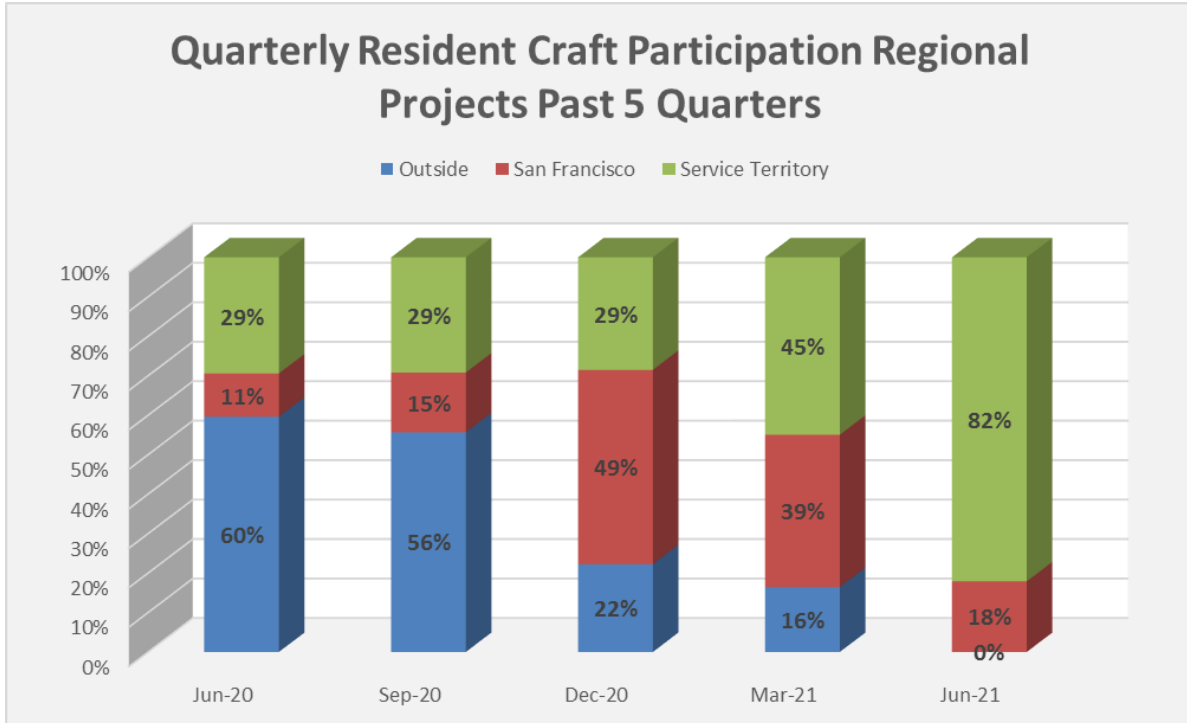
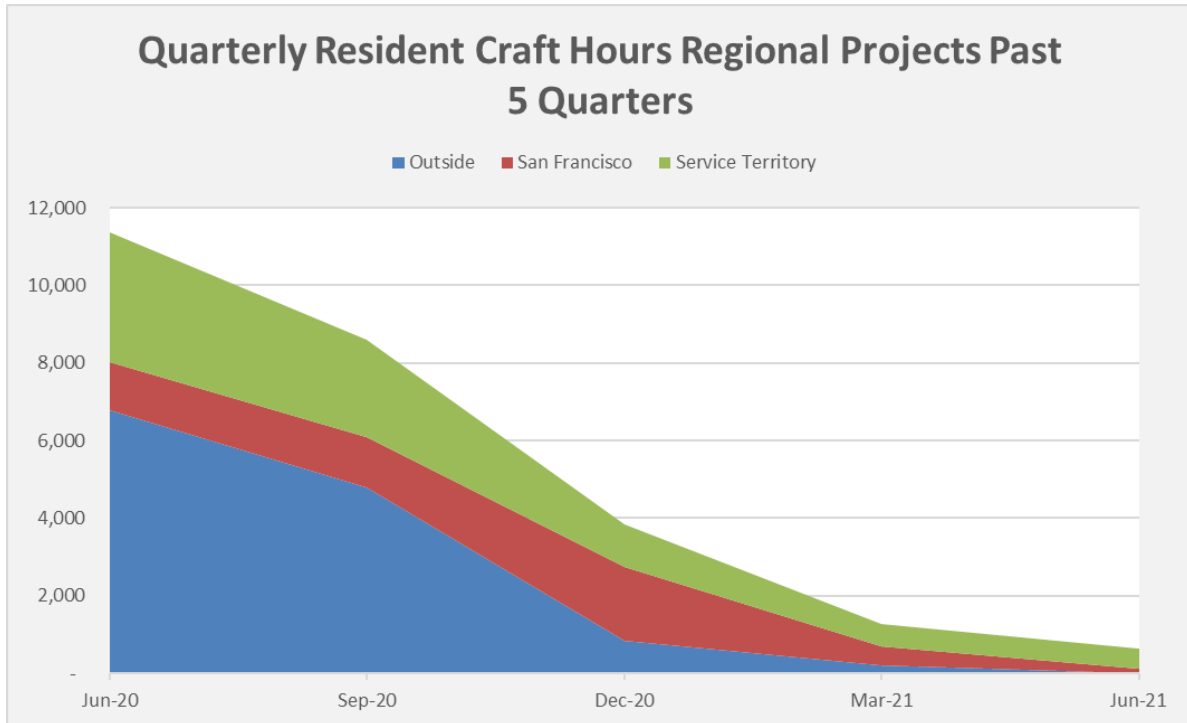
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**Residence on San Francisco-located WSIP PLA Projects** - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.



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





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**Residence by County**

Sorted by Total Craft Hours

<b>WSIP-PLA Employment by Top 20 Counties of Residence</b>					
Inception Through June 30, 2021					
<b>County</b>	<b>Total Craft Hours</b>	<b>Wages</b>	<b>% Craft Hours</b>	<b>Worker Count</b>	<b>FTE</b>
Alameda County	1,556,317	\$ 58,540,586	17.7%	3,020	748
Contra Costa County	1,245,611	\$ 49,730,112	14.2%	2,128	599
San Joaquin County	844,646	\$ 32,113,247	9.6%	1,328	406
San Mateo County	768,646	\$ 31,763,605	8.7%	1,362	370
<b>San Francisco County</b>	<b>642,414</b>	<b>\$ 25,299,722</b>	<b>7.3%</b>	<b>1,493</b>	<b>309</b>
Santa Clara County	460,038	\$ 18,594,967	5.2%	1,353	221
Solano County	439,560	\$ 18,053,589	5.0%	921	211
Stanislaus County	390,958	\$ 14,533,454	4.4%	668	188
Sacramento County	354,238	\$ 14,635,552	4.0%	661	170
Butte County	213,069	\$ 8,453,830	2.4%	133	102
Sonoma County	205,679	\$ 8,902,465	2.3%	404	99
Placer County	112,092	\$ 5,074,963	1.3%	144	54
Tuolumne County	102,588	\$ 3,982,918	1.2%	103	49
Calaveras County	101,680	\$ 4,520,538	1.2%	81	49
El Dorado County	88,624	\$ 3,770,176	1.0%	87	43
Los Angeles County	73,054	\$ 3,289,832	0.8%	149	35
Yolo County	71,698	\$ 2,993,107	0.8%	95	34
Shasta County	70,894	\$ 3,305,744	0.8%	47	34
Riverside County	65,996	\$ 3,122,393	0.8%	112	32
Clark County	62,062	\$ 2,842,502	0.7%	72	30
<b>Top 20 Counties by Hours</b>	<b>7,869,864</b>	<b>\$ 313,523,302</b>	<b>89.5%</b>	<b>14,361</b>	<b>3,784</b>
All Other Counties	924,189	\$ 41,105,142	10.5%	1,577	444
<b>WSIP-PLA Total</b>	<b>8,794,053</b>	<b>\$ 354,628,445</b>	<b>100.0%</b>	<b>15,938</b>	<b>4,208</b>

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**San Francisco Residents by Zip Code**

Sorted by Total Craft Hours

<b>Employment by San Francisco Zip Code</b>					
Inception Through June 30, 2021					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	125,121	\$ 4,609,020	19.5%	251	60
94124	106,663	\$ 4,383,536	16.6%	296	51
94116	86,030	\$ 4,048,750	13.4%	94	41
94110	85,964	\$ 3,056,315	13.4%	198	41
94134	41,515	\$ 1,272,448	6.5%	128	20
94122	37,371	\$ 1,816,212	5.8%	83	18
94103	24,130	\$ 737,432	3.8%	43	12
94121	20,830	\$ 859,028	3.2%	63	10
94127	15,914	\$ 734,369	2.5%	24	8
94118	15,803	\$ 764,174	2.5%	24	8
94132	10,951	\$ 443,053	1.7%	38	5
94117	10,718	\$ 291,982	1.7%	18	5
94107	10,101	\$ 381,918	1.6%	33	5
94102	8,852	\$ 387,998	1.4%	23	4
94131	8,107	\$ 278,635	1.3%	32	4
94133	7,500	\$ 299,251	1.2%	15	4
94109	5,060	\$ 161,696	0.8%	25	2
94114	4,468	\$ 196,812	0.7%	18	2
94108	4,194	\$ 144,211	0.7%	9	2
94115	3,311	\$ 122,080	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	879	\$ 41,174	0.1%	4	0
94105	761	\$ 34,198	0.1%	9	0
94104	677	\$ 22,206	0.1%	3	0
94129	447	\$ 14,182	0.1%	1	0
94188	366	\$ 9,790	0.1%	3	0
94140	288	\$ 11,589	0.0%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94158	118	\$ 6,367	0.0%	6	0
94125	21	\$ 768	0.0%	1	0
94164	6	\$ 264	0.0%	1	0
<b>Total</b>	<b>642,414</b>	<b>\$ 25,299,722</b>	<b>100.0%</b>	<b>1,493</b>	<b>309</b>
<b>WSIP-PLA Total</b>	<b>8,794,053</b>	<b>\$ 354,628,445</b>	<b>-</b>	<b>15,938</b>	<b>4,228</b>

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**Residence by Craft**

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through June 30, 2021							
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
Operating Engineer	1,858,330	70,295	663,516	1,124,518	3.8%	35.7%	60.5%
Carpenter	770,822	92,936	313,984	363,902	12.1%	40.7%	47.2%
Tunnel Worker	612,964	11,171	208,750	393,043	1.8%	34.1%	64.1%
Electrician	517,451	33,774	262,048	221,630	6.5%	50.6%	42.8%
Plumber	457,226	93,763	151,836	211,628	20.5%	33.2%	46.3%
Iron Worker	279,168	18,196	107,272	153,700	6.5%	38.4%	55.1%
Pile Driver	181,764	6,526	53,970	121,268	3.6%	29.7%	66.7%
Painter	153,759	9,862	17,798	126,100	6.4%	11.6%	82.0%
Cement Mason	129,170	10,865	54,960	63,346	8.4%	42.5%	49.0%
Boilermaker	121,771	48	23,484	98,239	0.0%	19.3%	80.7%
Building/Construction Inspector	88,866	3,987	12,218	72,661	4.5%	13.7%	81.8%
Roofer	50,249	4,623	26,210	19,417	9.2%	52.2%	38.6%
Sheet Metal Worker	31,069	2,909	15,365	12,796	9.4%	49.5%	41.2%
Field Surveyor	22,095	1,382	4,038	16,676	6.3%	18.3%	75.5%
Drywall Installer/Lather	13,649	4,307	2,489	6,853	31.6%	18.2%	50.2%
Plasterer	11,819	7,187	1,148	3,484	60.8%	9.7%	29.5%
Bricklayer	10,355	82	5,553	4,720	0.8%	53.6%	45.6%
Electrical Utility Lineman	6,909	-	186	6,723	0.0%	2.7%	97.3%
Glazier	6,038	1,271	1,856	2,912	21.0%	30.7%	48.2%
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%
Asbestos Worker, Heat and Frost Insulator	1,365	112	229	1,024	8.2%	16.8%	75.0%
Brick Tender	993	287	19	687	28.9%	1.9%	69.2%
Tile Setter	613	-	590	23	0.0%	96.2%	3.8%
Driver	557	541	8	7	97.3%	1.4%	1.3%
Tile Finisher	523	-	475	48	0.0%	90.8%	9.2%
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%
Elevator	206	-	206	-	0.0%	100.0%	0.0%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	128	-	96	32	0.0%	75.0%	25.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
<b>Total Apprenticeable</b>	<b>5,331,039</b>	<b>374,272</b>	<b>1,930,685</b>	<b>3,026,083</b>	<b>7.0%</b>	<b>36.2%</b>	<b>56.8%</b>
Laborer	3,001,873	239,731	1,292,218	1,469,924	8.0%	43.0%	49.0%
<b>Non-Apprenticeable</b>							
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%
Driver (On/Off-Hauling To/From Construction)	99,641	18,062	65,758	15,821	18.1%	66.0%	15.9%
Operating Engineer (Heavy And Highway Work)	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-Heavy)	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%
Tunnel/Underground (Operating Engineer-Heavy)	13,201	-	3,832	9,369	0.0%	29.0%	71.0%
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%
Steel Erector And Fabricator (Operating Engineer)	1,123	-	282	841	0.0%	25.1%	74.9%
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%
Parking And Highway Improvement Painter (Ironworker (Db))	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%
<b>Total Non-Apprenticeable</b>	<b>461,141</b>	<b>28,411</b>	<b>237,576</b>	<b>195,154</b>	<b>6.2%</b>	<b>51.5%</b>	<b>42.3%</b>
<b>Total WSIP PLA</b>	<b>8,794,053</b>	<b>642,414</b>	<b>3,460,479</b>	<b>4,691,160</b>	<b>7.3%</b>	<b>39.4%</b>	<b>53.3%</b>

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**Residence by Project**

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary Through June 30, 2021							
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam Replacement Project	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improvements	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	288,044	5,836	129,660	152,548	2.0%	45.0%	53.0%
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	28.7%
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
WD-2776 - SF Westside Recycled Water Facility at OSP	198,300	45,325	53,139	99,836	22.9%	26.8%	50.3%
WD-2539 - University Mound Reservoir Seismic Upgrades	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Alameda Creek	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Storage	163,738	27,211	83,646	52,882	16.6%	51.1%	32.3%
WD-2627R - Sutro Reservoir Rehabilitation	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%
HH-935C - San Joaquin Pipeline - Eastern Segment	143,988	83	80,508	63,397	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,910	3,122	93,841	44,948	2.2%	66.1%	31.7%
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6%
WD-2552 - Alameda Siphon No. 4 Project	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2%
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1%
WD-2498 - New Crystal Springs Bypass Tunnel	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2%
HH-935B - San Joaquin Pipeline - Western Segment	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam Improvements	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Crossovers	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3 Installation	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipeline	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir Seismic Retrofit	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic Upgrade	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound System Upgrade	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply Well Stations	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1%
WD-2573 - Pulgas Balancing Reservoir Structural Rehab	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,201	13,222	30,486	8.8%	27.6%	63.6%
WD-2641R - Habitat Reserve Program	44,018	8,771	10,167	25,081	19.9%	23.1%	57.0%
WD-2564 - HTWTP - Short Term Improvements Phases 2 and 3	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1%
WD-2798 - SF Westside Recycled Water Pipeline	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2797 - SF Westside Recycled Water Pump Station and Reservoir	37,490	10,322	18,113	9,056	27.5%	48.3%	24.2%
WD-2829R - San Andreas Pipeline No. 2 Replacement	36,808	6,220	10,393	20,195	16.9%	28.2%	54.9%
WD-2809 - SF Groundwater Supply Phase 2	30,565	5,928	3,099	21,538	19.4%	10.1%	70.5%
WD-2654R - Peninsula Vegetation Removal	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Water Project	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed Compensation	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Main - Phase II	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bay Division Pipeline No. 5, Cordilleras Microtunnel	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve Lot Improvements	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pipeline	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station Upgrades Project	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvements	12,859	0	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restoration	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Dam Stilling Basin Connecting Channel	8,209	291	3,270	4,648	3.5%	39.8%	56.6%
WD-2600 - Regional Groundwater Storage and Recovery Project- Test	6,088	0	296	5,792	0.0%	4.9%	95.1%
WD-2852R - SF Westside Recycled Water Irrigation System Retrofits	2,459	706	924	829	28.7%	37.6%	33.7%
WD-2855 - Turner Dam Spillway and Pond F3 East Erosion Repair	2,088	0	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	40.0%	30.0%	30.0%
<b>Total WSIP PLA</b>	<b>8,794,053</b>	<b>642,414</b>	<b>3,460,479</b>	<b>4,691,160</b>	<b>7.3%</b>	<b>39.4%</b>	<b>53.3%</b>

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**Apprentice Utilization**

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

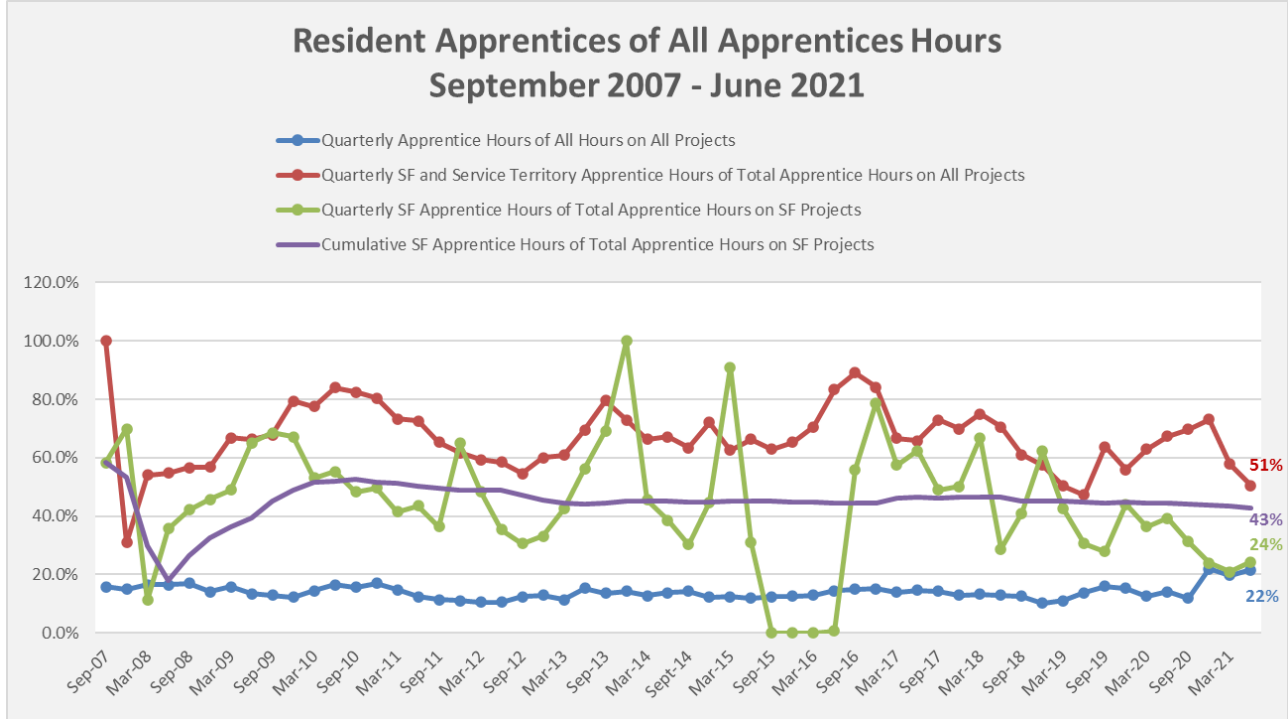
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.2% of apprentice hours were worked by San Francisco residents and 53.3% were worked by residents of the Regional Service Territory, or 69.3% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUCST 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	1,858,330	209,122	25,395	86,311	97,417	11.3%	1.4%	4.6%	12.1%	41.3%	46.6%
A - Carpenter	770,822	122,378	32,543	57,027	32,809	15.9%	4.2%	7.4%	26.6%	46.6%	26.8%
A - Tunnel Worker	612,964	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Electrician	517,451	102,276	13,728	66,520	22,028	19.8%	2.7%	12.9%	13.4%	65.0%	21.5%
A - Plumber	457,226	124,687	36,819	58,801	29,067	27.3%	8.1%	12.9%	29.5%	0.0%	0.0%
A - Iron Worker	279,168	61,957	10,976	27,340	23,641	22.2%	3.9%	9.8%	17.7%	44.1%	38.2%
A - Pile Driver	181,764	18,563	4,451	9,825	4,287	10.2%	2.4%	5.4%	24.0%	52.9%	23.1%
A - Painter	153,759	26,840	1,827	6,470	18,543	17.5%	1.2%	4.2%	6.8%	24.1%	69.1%
A - Cement Mason	129,170	6,672	4,397	1,124	1,151	5.2%	3.4%	0.9%	65.9%	16.8%	17.3%
A - Boilermaker	121,771	2,354	40	1,238	1,076	1.9%	0.0%	1.0%	1.7%	52.6%	45.7%
A - Building/Construction Inspector	88,866	5,068	17	1,254	3,797	5.7%	0.0%	1.4%	0.3%	24.8%	74.9%
A - Roofer	50,249	12,666	2,096	5,601	4,969	25.2%	4.2%	11.1%	0.0%	0.0%	0.0%
A - Sheet Metal Worker	31,069	4,866	307	3,276	1,284	15.7%	1.0%	10.5%	6.3%	67.3%	26.4%
A - Field Surveyor	22,095	734	11	71	652	3.3%	0.0%	0.3%	1.5%	9.7%	88.8%
A - Drywall Installer/Lather	13,649	848	68	283	497	6.2%	0.5%	2.1%	8.0%	33.4%	58.6%
A - Plasterer	11,819	347	136	-	211	2.9%	1.2%	0.0%	39.2%	0.0%	60.8%
A - Bricklayer	10,355	2,948	82	839	2,027	28.5%	0.8%	8.1%	2.8%	28.5%	68.8%
A - Electrical Utility Lineman	6,909	79	-	79	-	1.1%	0.0%	1.1%	0.0%	100.0%	0.0%
A - Glazier	6,038	950	645	144	161	15.7%	10.7%	2.4%	67.9%	15.2%	16.9%
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 Insulation	1,365	146	112	-	34	10.7%	8.2%	0.0%	76.7%	0.0%	23.3%
A - Brick Tender	993	24	24	-	-	2.4%	2.4%	0.0%	0.0%	0.0%	0.0%
A - Tile Setter	613	141	-	125	16	23.0%	0.0%	20.4%	0.0%	0.0%	0.0%
A - Driver	557	-	-	-	-	0.0%	0.0%	0.0%	#DIV/0!	#DIV/0!	#DIV/0!
A - Tile Finisher	523	190	-	150	40	36.3%	0.0%	28.7%	0.0%	0.0%	0.0%
A - Carpet Layer	354	27	-	23	4	7.6%	0.0%	6.5%	0.0%	85.2%	14.8%
A - Elevator	206	95	-	95	-	46.1%	0.0%	46.1%	0.0%	0.0%	0.0%
A - Terrazzo Worker	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - Sprinkler Fitter	128	-	-	-	-	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%
<b>Sub-Total Apprenticeable</b>	<b>5,331,039</b>	<b>704,734</b>	<b>133,671</b>	<b>327,352</b>	<b>243,710</b>	<b>13.2%</b>	<b>2.5%</b>	<b>6.1%</b>	<b>19.0%</b>	<b>46.5%</b>	<b>34.6%</b>
A - Laborer	3,001,873	405,832	46,725	261,868	97,238	13.5%	1.6%	8.7%	11.5%	64.5%	24.0%
<b>Total Apprenticeable</b>	<b>8,332,912</b>	<b>1,110,566</b>	<b>180,397</b>	<b>589,220</b>	<b>340,949</b>	<b>13.3%</b>	<b>2.2%</b>	<b>7.1%</b>	<b>16.2%</b>	<b>53.1%</b>	<b>30.7%</b>
Total Non-Apprenticeable	461,141										
Total WSIP - Covered by PLA	8,794,053										

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



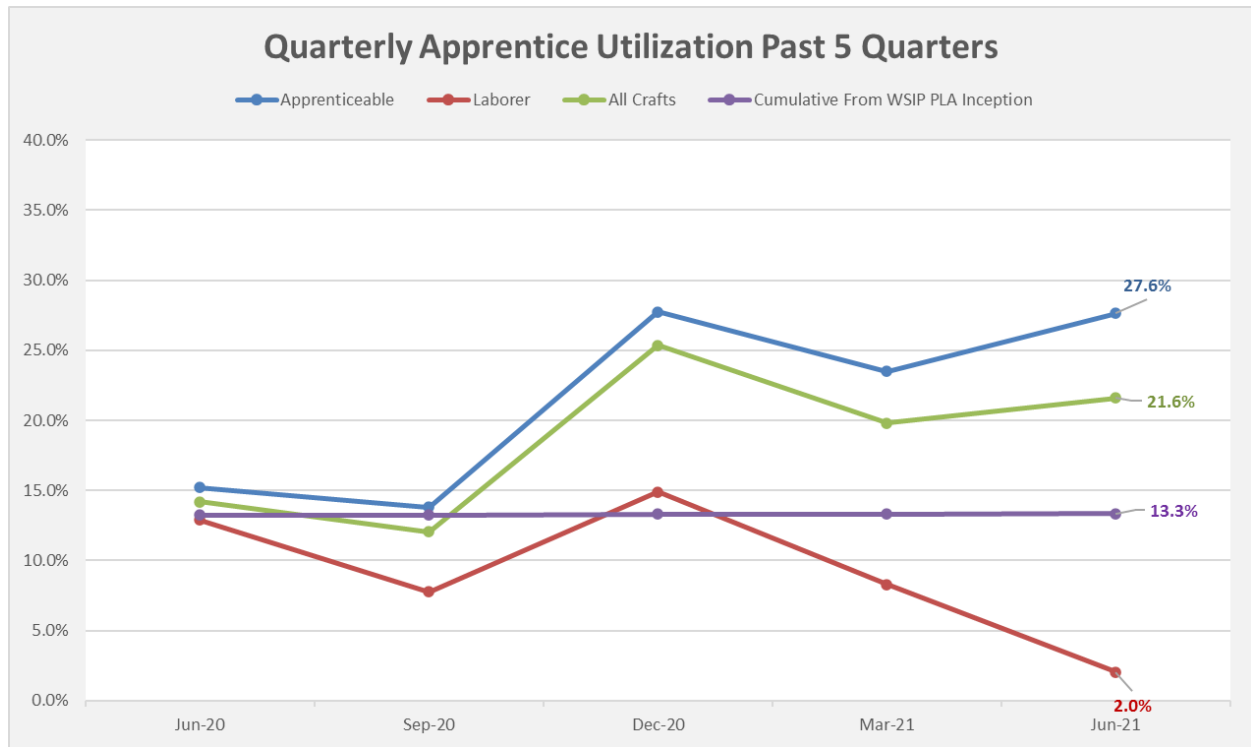
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.3%.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through June 30, 2021											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2729 - Fish Passage Faci	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2504 - Stanford Heights Re	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2539 - University Mound R	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2776 - SF Westside Recy	198,300	161,742	133	36,426	198,168	36,179	1,846	38,025	22.4%	5.1%	19.2%
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%
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-2668 - Regional Groundwa	163,738	102,600	1,079	60,059	162,659	18,467	7,391	25,858	18.0%	12.3%	15.9%
WD-2809 - SF Groundwater Su	30,565	15,063	-	15,502	30,565	2,666	633	3,299	17.7%	4.1%	10.8%
WD-2798 - SF Westside Recy	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
HH-914R - Roselle Crossover In	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
DB-116 - Tesla Treatment Faci	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2469 - Forest Knolls Pump	26,553	17,167	31	9,337	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-2555 - Crystal Springs Pip	127,763	49,074	9,202	68,958	118,032	7,559	5,394	12,953	15.4%	7.8%	11.0%
WD-2548 - Lake Merced Pump	101,050	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	10.9%
WD-2727 - Peninsula Pipeline	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%
WD-2575 - San Antonio Backu	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2513 - San Andreas Pipeli	83,503	28,638	11,956	42,909	71,547	3,994	1,133	5,127	13.9%	2.6%	7.2%
WD-2621R - SF Groundwater S	52,623	31,711	-	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%
WD-2498 - New Crystal Spring	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2822R2 - Lower Crystal Sp	8,209	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	11.7%
WD-2568 - BDPL Nos. 3&4 Cr	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2629 - Seismic Upgrade of	134,349	73,390	1,511	59,345	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 Pipeli	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 Protecti	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2566 - San Antonio Pump	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%
WD-2551 - Calaveras Dam Rep	1,532,134	864,302	36,402	631,430	1,495,733	87,917	98,383	186,301	10.2%	15.6%	12.5%
WD-2797 - SF Westside Recy	37,490	16,152	-	21,338	37,490	1,615	2,845	4,460	10.0%	13.3%	11.9%
HH-935A - San Joaquin Pipelin	84,843	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 Term	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2623 - Harding Park Recy	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	7.4%
WD-2556 - Baden and San Ped	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2542 - Bay Division Pipeli	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-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 Pipeli	583,318	412,690	91,092	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
WD-2829R - San Andreas Pipe	36,808	17,242	1,686	17,849	35,090	512	2,386	2,897	3.0%	13.4%	8.3%
WD-2665 - Bav Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2666 - BHR - Sheep Camp	23,492	16,708	-	6,448	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-2501 - Alemany Pump Sta	74,085	54,295	48	19,741	74,037	7,403	223	7,625	0.0%	1.1%	10.3%
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	626	5,317	5,943	0.0%	238.5%	52.7%
WD-2529 - Noe Valley Transm	22,511	6,021	2,067	14,423	20,444	-	-	-	0.0%	0.0%	0.0%
WD-2552 - Alameda Siphon Nd	129,485	75,401	8,009	46,075	121,476	11,667	9,053	20,720	0.0%	19.6%	17.1%
WD-2600 - Regional Groundwa	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2852R - SF Westside Rec	2,459	16	-	2,443	2,459	-	-	-	0.0%	0.0%	0.0%
WD-2855 - Turner Dam Spillwa	2,088	1,649	-	439	-	-	-	-	0.0%	0.0%	0.0%
<b>WSIP - Covered by PLA (58 Pr</b>	<b>8,794,053</b>	<b>5,331,039</b>	<b>459,089</b>	<b>3,001,873</b>	<b>8,330,825</b>	<b>704,734</b>	<b>405,832</b>	<b>1,110,566</b>	<b>13.2%</b>	<b>13.5%</b>	<b>13.3%</b>

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





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**Substance Abuse Prevention**

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

**15,222** pre-employment tests have been administered as of June 30, 2021, to people who were cleared to work. 203 people did not pass pre-employment screens and consequently were prevented from working until the results could be confirmed through lab tests. Strict regulations and high compliance by the contractors have led to a mere **1.33%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Program. The chart is on the next page.

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<b>WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary</b>	
Tests Administered to Individuals Cleared to Work Through 6/30/2021	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Project	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant	401
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
WD-2668 - Regional Groundwater Storage and Recovery	265
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
HH-935B - San Joaquin Pipeline System - Western Segment	226
WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	226
WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement	199
HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2513 - San Andreas Pipeline No.3 Installation Project	178
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
WD-2575 - San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	125
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Project	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2829R - San Andreas Pipeline No. 2 Replacement	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2654R - Peninsula Vegetation Removal	34
WD-2511 - Standby Power Facilities, Various Locations	30
WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30
WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28
WD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassla	23
WD-2600 - Regional Groundwater Storage and Recovery Project- Test Well Drilling	22
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	10
WD-2852R - San Francisco Westside Recycled Water Irrigation System Retrofits	6
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	-
<b>Total Cleared</b>	<b>15,222</b>

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**Legislative History of the WSIP PLA**

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

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

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

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

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

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

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**Governance**

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

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

**Pre-Job Conferences and Jurisdictional Disputes**

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

**Web-Based Labor Compliance Program**

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