

Water System Improvement Program Project Labor Agreement

Quarterly Report
Quarter Ended September 30, 2020
(First Quarter FY 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.

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

Contracting:

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

Employment:

- Since inception, 15,608 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 nonnegative result.

Region of Worker Residence	Inception Through September 30, 2020								
Region of worker residence	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					

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

	Three I	Months Ending Sep	otem	ber 30, 2020	
Region of Worker Residence	Worker Count	Sum of Hours	Sun	n 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.

Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

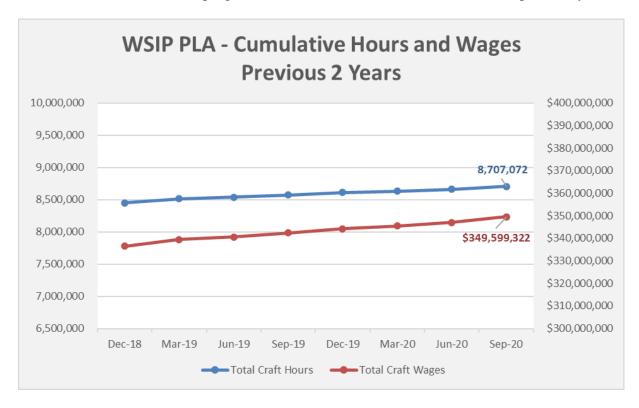
			n Contracts Awarded Subject to the WSIP-PLA		
		In	ception through September 30, 2020		
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	\$20 Million	\$ 15,633,200
03/12/19	WD-2855	Sukut 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 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
	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Wate		\$ 28,939,300
	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544
	WD-2621R*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100
	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047
	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$ 8,676,685
	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ 20,736,380
	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ 31,372,335
	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ 27,453,000
	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500
	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Po		\$ 5,591,750
	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well		\$ 2,998,685
	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andrea		\$ 6,499,000
	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million \$70 Million	\$ 32,547,350
	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment		\$ 48,706,379
	WD-2591 WD-2601	Kiewit Infrastructure West Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements Crystal Springs / San Andreas Upgrade	\$18 to \$22 Million \$100 to \$130 Million	\$ 17,360,400 99,763,000
	WD-2623*	R & W Concrete	Harding Park Recycled Water Project	\$6.5 Million	\$ 5,251,100
	WD-2523	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
	WD-2551 WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
	WD-2542	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
	WD-2541 WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
	WD-2503 WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
	WD-2575	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
	WD-2515 WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
	WD-2553	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
	WD-2552 WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
	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
	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,56
	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,37
	WD-2543	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,00
	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,00
	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$ 23,269,00
	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,00
	WD-2511	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,96
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^{*} indicates projects located in San Francisco

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending September 30, 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.

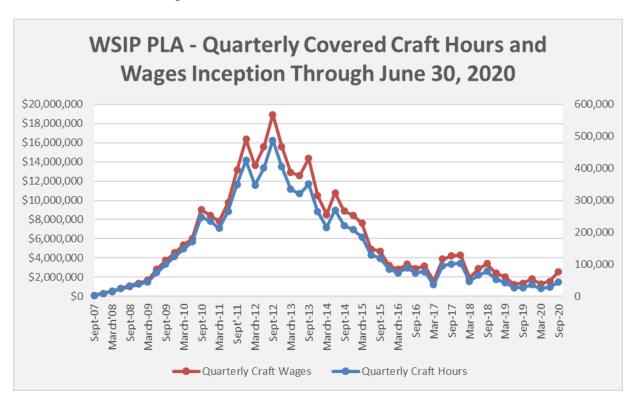
The tables below describe the progressive accumulation of these totals over the past two years.



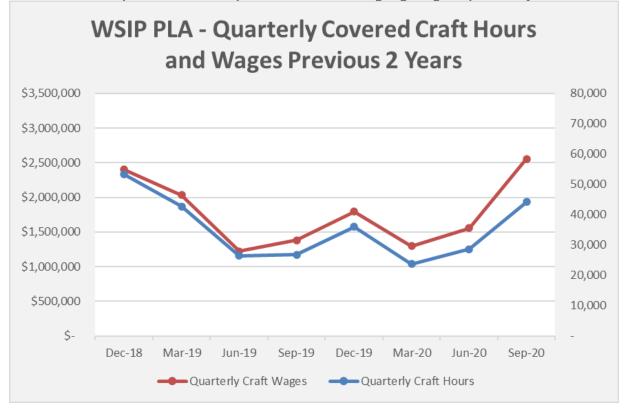


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



Craft Utilization on WSIP PLA-Covered Projects

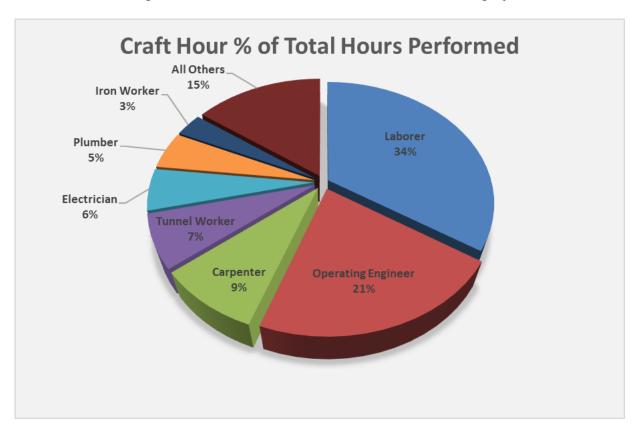
As of September 30, 2020, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 31 craft areas.

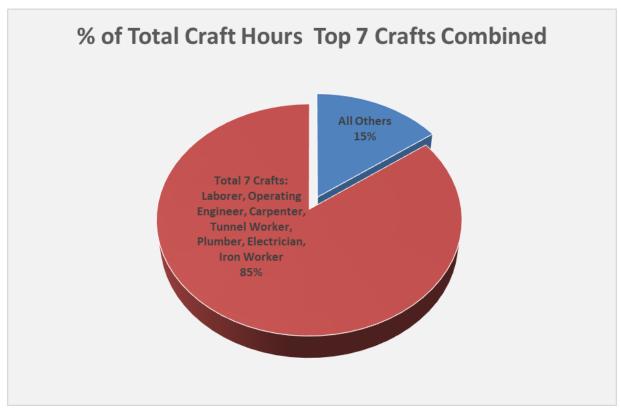
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

	Cumulative	Em	ployment by	Craft		
	Inception Thro	ugh	September 30), 2020		
Craft	Total Hours	1	otal 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
Top 7 Sub-Total	7,424,148	\$	287,285,444	85.3%	82.2%	3,569
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 Insul	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
Remaining Apprenticeable Sub-Total	821,881	\$	38,312,694	9.4%	11.0%	395
Total Non-Apprenticeable	461,043	\$	24,001,183	5.3%	6.9%	222
Total WSIP-Covered by PLA	8,707,072	\$	349,599,322	100.0%	100.0%	4,186

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.



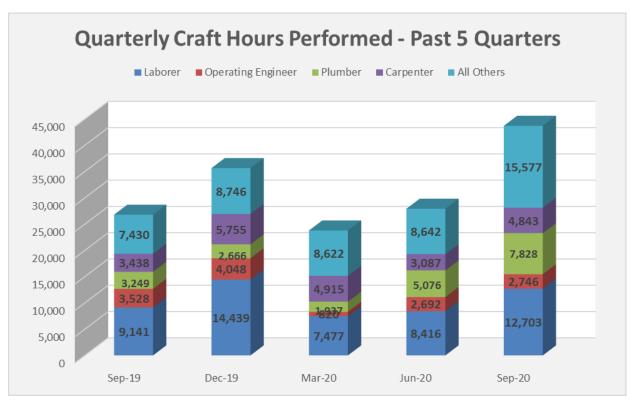


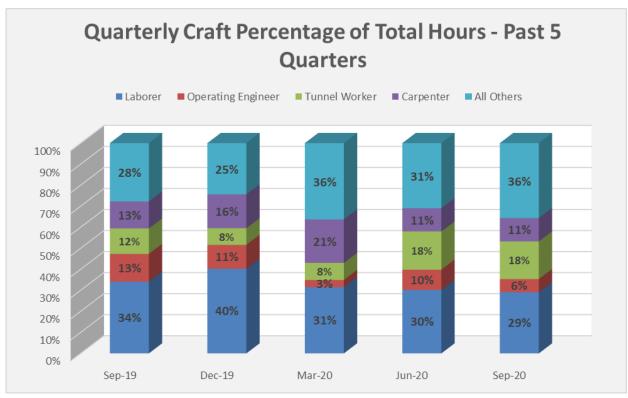
The table below reflects the values of hours and wages for each trade cumulatively since the

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 ding 9-30- 020 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		\$	200,000
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	-	\$	40.055
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	-	\$	-
	8,246,029		325,598,139	43,697		2,509,697
Teamster	136 065	2	6 427 969	_	\$	_
Teamster Driver (On/Off-Hauling To/From Construction Site)	136,065 99,543	\$	6,427,969 7,464,064	- 433	\$	
Driver (On/Off-Hauling To/From Construction Site)	99,543	\$	7,464,064	433	\$	43,906
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Specia	99,543 95,289	\$ \$	7,464,064 4,512,513	433 -	\$ \$	43,906 -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Hig	99,543 95,289 79,393	\$ \$ \$	7,464,064 4,512,513 3,676,393	433 - -	\$ \$ \$	43,906 - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highestos Removal Worker (Laborer)	99,543 95,289 79,393 17,121	\$ \$ \$	7,464,064 4,512,513 3,676,393 437,612	433 - - 32	\$ \$ \$	43,906 -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And High Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And High	99,543 95,289 79,393 17,121 13,201	\$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532	433 - - 32 -	\$ \$ \$ \$	43,906 - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller	99,543 95,289 79,393 17,121 13,201 12,313	\$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914	433 - - 32 -	\$ \$ \$ \$	43,906 - - 1,019 - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highsbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance)	99,543 95,289 79,393 17,121 13,201 12,313 1,422	\$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006	433 - - 32 - -	\$ \$ \$ \$ \$ \$ \$ \$	43,906 - - 1,019 - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Seamoval Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160	\$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245	433 - - 32 - - -	\$ \$ \$ \$ \$ \$ \$ \$	43,906 - - 1,019 - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway States Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131	\$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404	433 - - 32 - -	\$ \$ \$ \$ \$ \$ \$ \$	43,906 - - 1,019 - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) (Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heavy And Fabricator (Operating Engineer - Heavy And Highwater (Page 1) Telecommunications Technician	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123	\$ \$ \$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467	433 - - 32 - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,906 - - 1,019 - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Bestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heat Traffic Control/Lane Closure (Laborer)	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991	433 - - 32 - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,906 - 1,019 - - - - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heat Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888 831	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991 33,307	433 - - 32 - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,906 - - 1,019 - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heater Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction)	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888 831 635	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991 33,307 24,810	433 - - 32 - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,906 - 1,019 - - - - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heater Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888 831 635 592	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991 33,307	433 - - 32 - - - - - - -	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	43,906 - 1,019 - - - - - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heater Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction)	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888 831 635	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991 33,307 24,810	433 - - 32 - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,906 - 1,019 - - - - - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heater Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888 831 635 592	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991 33,307 24,810 17,811	433 - - 32 - - - - - - - - -	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	43,906 - 1,019 - - - - - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Special Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highware Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heat Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter)	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888 831 635 592 247	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991 33,307 24,810 17,811 10,082	433 - 32 - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,906 - 1,019 - - - - - - - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Special Asbestos Removal Worker (Laborer) Tunnel/Underground (Operating Engineer-Heavy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heatheath Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db)	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888 831 635 592 247	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991 33,307 24,810 17,811 10,082 2,772	433 - - 32 - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43,906 - 1,019 - - - - - - - - -
Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heawy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heawy And Highway Work) (Special Tunnel/Underground (Operating Engineer-Heawy And Highwater Well Driller Tree Trimmer (High Voltage Line Clearance) Telecommunications Technician Landscape Maintenance Laborer Steel Erector And Fabricator (Operating Engineer - Heat Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db) Teamster (Special Single Shift Rate)	99,543 95,289 79,393 17,121 13,201 12,313 1,422 1,160 1,131 1,123 888 831 635 592 247 80 11	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,464,064 4,512,513 3,676,393 437,612 590,532 608,914 36,006 37,245 32,404 56,467 31,991 33,307 24,810 17,811 10,082 2,772 291	433 - - 32 - - - - - - - - - - - -	***	43,906 - 1,019 - - - - - - - - - - -

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

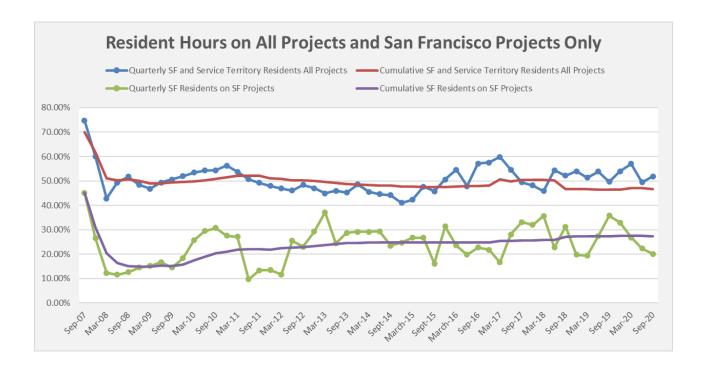




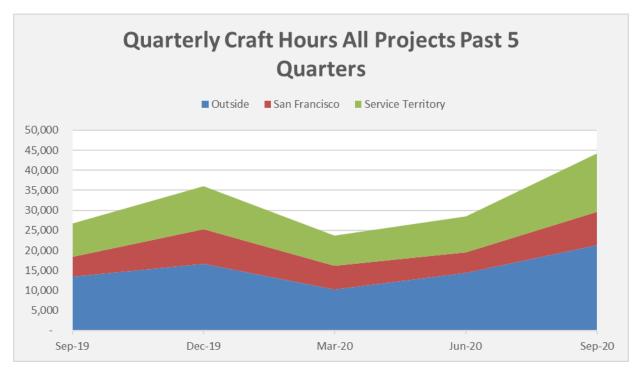
Worker Residence on the WSIP PLA

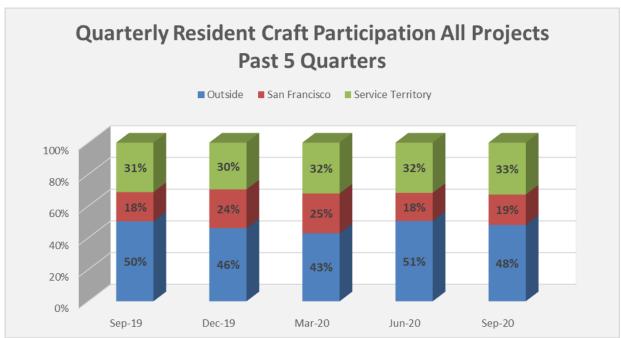
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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

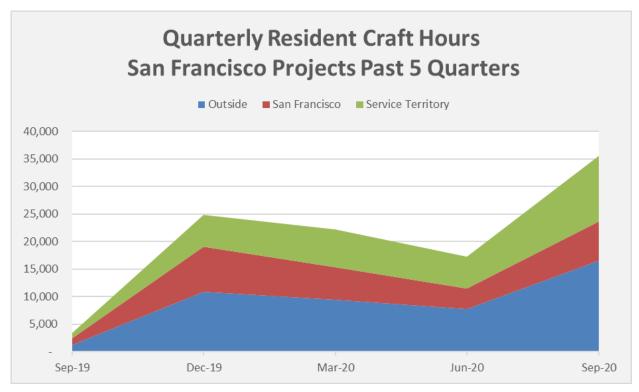


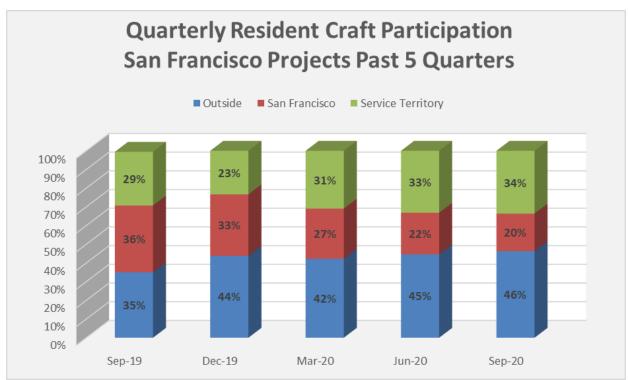
<u>Residence on ALL WSIP PLA Projects</u> - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



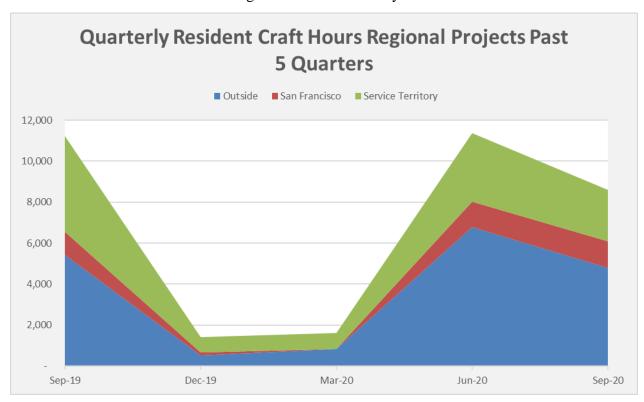


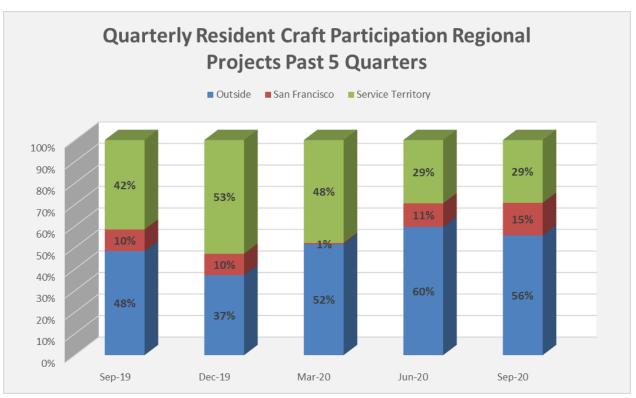
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.





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





Residence by County

Sorted by Total Craft Hours

Sorted by Total Craft Hours	WSIP-PLA Employr		t by Top 20 Coun		e	
County	Total Craft Hours	THIC	Wages	% Craft Hours	Worker Count	FTE
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
San Francisco County	625,192	\$	24,322,954	7.2%	1,441	301
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
Top 20 Counties by Hours	7,787,461	\$	308,766,234	89.4%	14,079	3,744
All Other Counties	919,611	\$	40,833,088	10.6%	1,529	442
WSIP-PLA Total	8,707,072	\$	349,599,322	100.0%	15,608	4,186

San Francisco Residents by Zip Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code											
			ough Septemb								
			To	tal Workers							
San Francisco Zip Codes	Total Craft		Wages	% Total Craft	Worker	FTE					
	Hours		vvages	Hours	Count	FIE					
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					
Total	625,192	\$	24,322,954	100.0%	1,374	301					
WSIP-PLA Total	8,707,072	\$	349,599,322	-	15,608	4,186					

Residence by Craft

Sorted by Total Hours

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	02	186		0.0%	2.7%	97.3%					
Glazier	4,834	1,158	1,560	6,723 2,117	23.9%	32.3%	43.8%					
		39		2,117	1.5%	87.1%						
Metal Roofing Systems Installer	2,586		2,252				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%					
Total Apprenticeable	5,264,753	360,561	1,910,673	2,993,520	6.8%	36.3%	56.9%					
Laborer	2,981,276	236,304	1,283,821	1,461,152	7.9%	43.1%	49.0%					
Non-Apprenticeable												
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%					
Driver (On/Off-Hauling To/From Construction	99,543	17,978	65,756	15,809	18.1%	66.1%	15.9%					
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%					
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%					
Asbestos Removal Worker (Laborer)	17,121	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	1,100	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%					
	888			198	0.0%							
Traffic Control/Lane Closure (Laborer) Dredger Operating Engineer	831	-	691	831	0.0%	77.8%	22.2% 100.0%					
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%					
Slurry Seal Worker	592		337				43.0%					
				255	0.0%	56.9%						
Parking And Highway Improvement Painter (247		165	82	0.0%	66.8%	33.2%					
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%					
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%					
Total Non-Apprenticeable	461,043	28,327	237,573	195,142	6.1%	51.5%	42.3%					
Total WSIP PLA	8,707,072	625,192	3,432,067	4,649,814	7.2%	39.4%	53.4%					

Residence by Project

Sorted by Total Hours

Sorted by Total Hours							
Emplo	-	ary - Cumulativ	• •		•		
Project	Total Hours	yment Summar San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam Replacemer	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improver	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
WD-2531 - Bay Division Pipelines Relia	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andre WD-2582 - Sunol Valley Water Treatme	489,160 462,423	25,325 9,292	193,302 174,479	270,533 278,653	5.2% 2.0%	39.5% 37.7%	55.3% 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 - Easte DB-116 - Tesla Treatment Facility	143,988 141,910	83 3,122	80,508 93,841	63,397 44,948	0.1% 2.2%	55.9% 66.1%	44.0% 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 Proje	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2%
WD-2555 - Crystal Springs Pipeline No	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1%
WD-2498 - New Crystal Springs Bypas	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2%
HH-935B - San Joaquin Pipeline - West	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam HH-935A - San Joaquin Pipeline - Cross	98,562 84,483	5,463 223	52,743 45,318	40,356 38,942	5.5% 0.3%	53.5% 53.6%	40.9% 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 WD-2568 - BDPL Nos. 3&4 Crossover F	50,367 47,910	6,669 4,201	25,461 13,222	18,237 30,486	13.2% 8.8%	50.6% 27.6%	36.2% 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 Rem	30,464	4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2809 - SF Groundwater Supply Pha		5,881	3,044	21,435	19.4%	10.0%	70.6%
WD-2469 - Forest Knolls Pump Station WD-2666 - BHR - Sheep Camp Creek	26,553	6,156 46	5,766 6,377	14,631	23.2%	21.7% 27.1%	55.1% 72.7%
WD-2606 - BHK - Sheep Camp Creek WD-2623 - Harding Park Recycled Wat	23,492 22,727	4,776	12,625	17,069 5,327	0.2% 21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Ma	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-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 I HH-914R - Roselle Crossover Improvem	14,916 12,859	101 0	11,948 8,861	2,868 3,999	0.7% 0.0%	80.1% 68.9%	19.2% 31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restorat	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Da	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 Po	2,088	0	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
Total WSIP PLA	8,707,072	625,192	3,432,067	4,649,814	7.2%	39.4%	53.4%

Apprentice Utilization

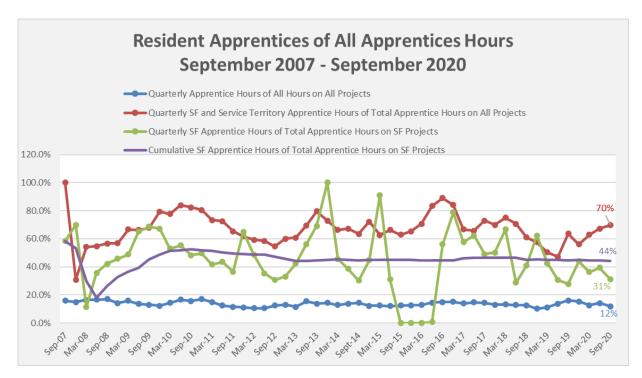
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

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

Sorted by Total Craft Hours

Softed by Total Class Hou			A	pprentice Hou	rs	Арр	rentice Utiliza	tion	Re	sident Apprentice	%
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,855,893	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										

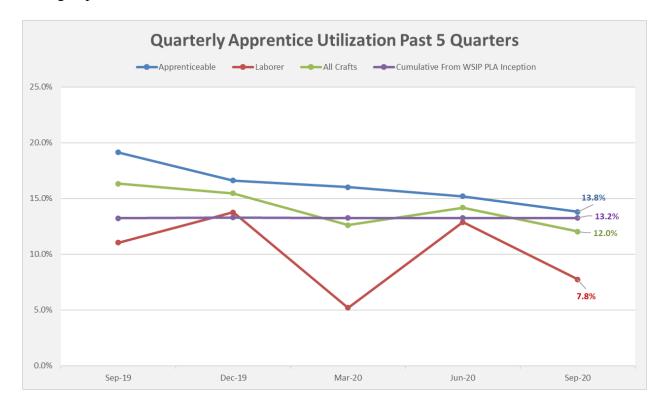
For the three months ending September 30, 2020, 39% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting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



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	-	PLA Apprentice Ut Through September		ect				
				псерион		Utilization By P	roject				
			All Workers Hou	rs			rentice Hours	;	Appre	ntice Utilizatio	on %
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - Advanced Meter Infras	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
HH-953 - Tesla Portal Protection	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2641R - Habitat Reserve P	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
DB-116 - Tesla Treatment Facil	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2729 - Fish Passage Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2652 - 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 Springs	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2640 - Bioregional Habitat	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2539 - University Mound R	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2629 - Seismic Upgrade of	134,349	73,390	1,511	59,448	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 Re	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%
WD-2556 - Baden and San Ped	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-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 Pipelii	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%
WD-2622 - San Francisco Grou WD-2551 - Calaveras Dam Rep	17,782	4,623 864,302	1,682 36,402	11,477 631,430	16,100 1,495,733	266 87,917	1,827 98,383	2,092 186,301	5.7% 10.2%	15.9% 15.6%	13.0% 12.5%
WD-2566 - San Antonio Pump	1,532,134 14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.5%
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	1,840	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 Pig	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 Grou	30,360	14,988	- 1,072	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 / Sa	489,160	334,614	23,054	131,493	466,106	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2541 - Bay Division Pipelin	208,058	88,905	12,743	106,410	195,315	10,026	10,170	20,196	11.3%	9.6%	10.3%
WD-2501 - Alemany Pump Sta	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	10.3%
WD-2542 - Bay Division Pipelin	288,044	90,020	31,498	166,526	256,546	7,049	19,161	26,210	7.8%	11.5%	10.2%
WD-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-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 Irvington Tunne	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	8.2%
WD-2666 - Bioregional Habitat	23,492	16,708	-	6,784	23,492	228	1,615	1,843	1.4%	23.8%	
WD-2589 - Supervisory Contro	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	
WD-2623 - Harding Park Recyc	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	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%	
WD-2543 - North University Mo	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	6.5%
WD-2654R - Peninsula Vegetat	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
WD-2529 - Noe Valley Transmi	22,511	6,021	2,067	14,423	20,444		1,133	1,133	0.0%	7.9%	5.5%
WD-2564 - 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%
WSIP - Covered by PLA (57 Pr	8,707,072	5,264,753	458,991	2,983,327	8,248,081	687,509	404,571	1,092,080	13.1%	13.6%	13.2%

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



Substance Abuse Prevention

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

15,129 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.

Project	Numbe
	Cleared 2,401
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements WD-2551 - Calaveras Dam Replacement Proiect	2,401
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	226 217
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WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	10
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair	3
WD-2640 - Bioregional Habitat Restoration	-
Total Cleared	15,129

Legislative History of the WSIP PLA

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

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

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

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

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

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

Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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



Water System Improvement Program Project Labor Agreement

Quarterly Report

Quarter Ended December 31, 2020

(Second Quarter FY 2020-2021)



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Executive Summary

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

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

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

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					
Region of Worker Residence	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		

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

	Three Months Ending December 31, 2020					
Region of Worker Residence	Worker Count	Sum of Hours	Sun	n 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.

Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

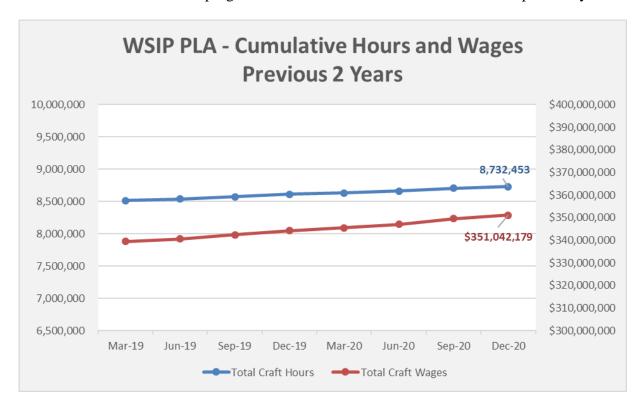
		In	ception through December 31, 2020		
Award Date Contract No. Prime Contractor			Project	Engineer's Estimate	Award \$
09/08/20	WD-2852R*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation Syste	\$3 Million	\$ 2,483,525
04/23/19	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a	\$20 Million	\$ 15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair	\$2.9 Million	\$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch	\$5.8 Million	\$ 4,784,700
01/22/19	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200
05/09/17	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment 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 Po		\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I		\$ 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		\$ 6,499,000
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 12/14/10	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million \$70 Million	\$ 32,547,350
12/14/10	HH-935B WD-2591	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$18 to \$22 Million	\$ 48,706,379 17,360,400
09/14/10	WD-2591 WD-2601	Kiewit Infrastructure West Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements 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-2523	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
04/27/10	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
otal 59 Projec					\$ 2,218,827,95

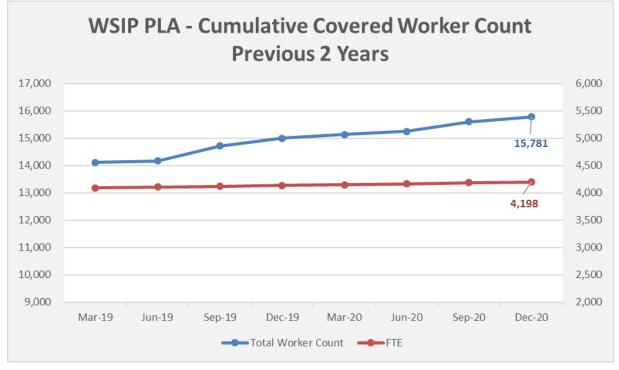
^{*} indicates projects located in San Francisco

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending December 31, 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.

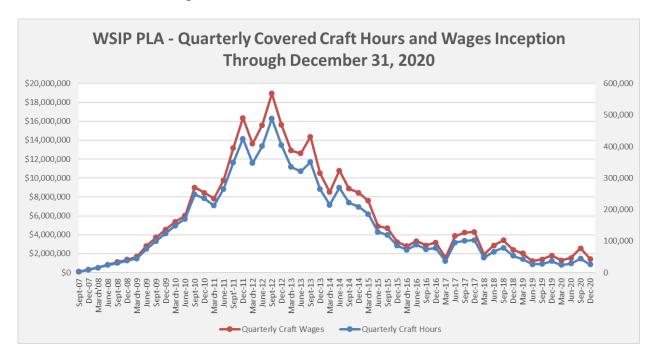
The tables below describe the progressive accumulation of these totals over the past two years.



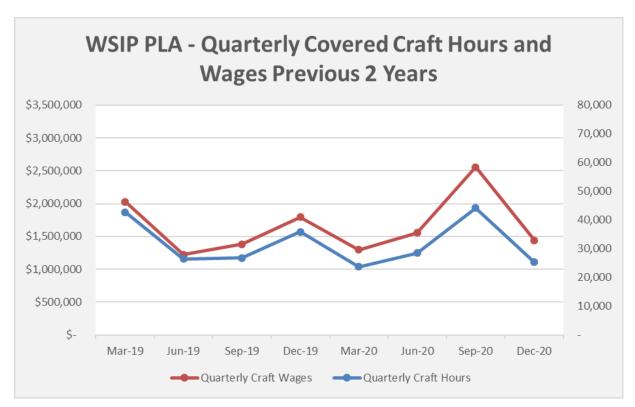


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



Craft Utilization on WSIP PLA-Covered Projects

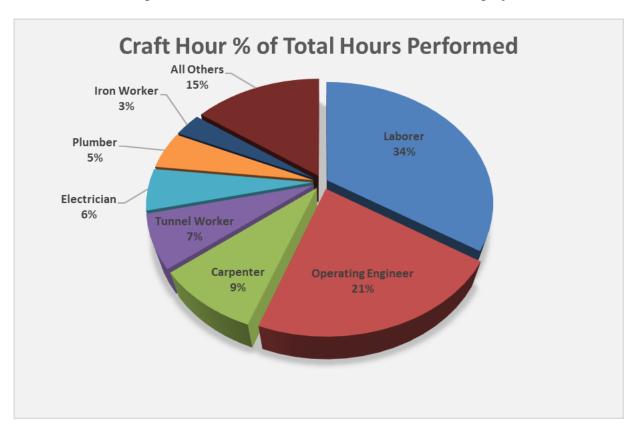
As of December 31, 2020, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 31 craft areas.

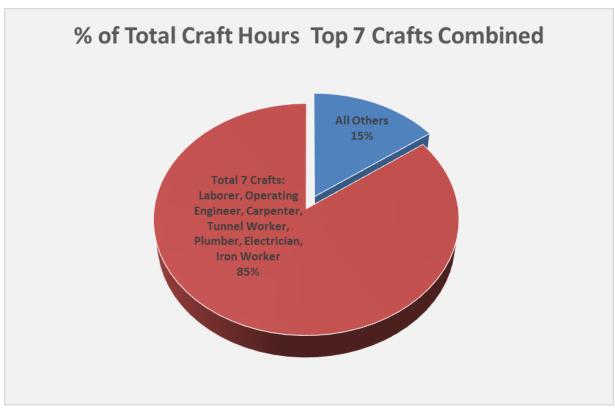
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

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

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.



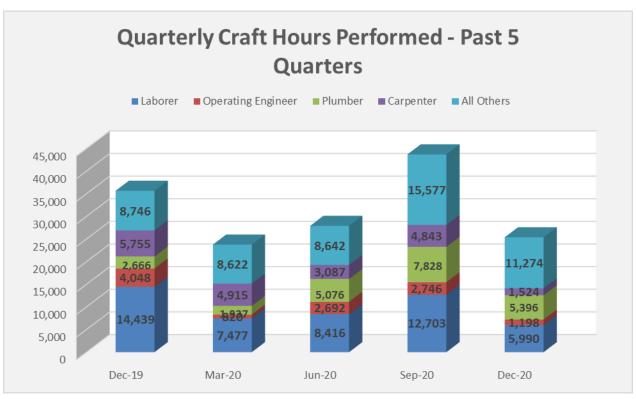


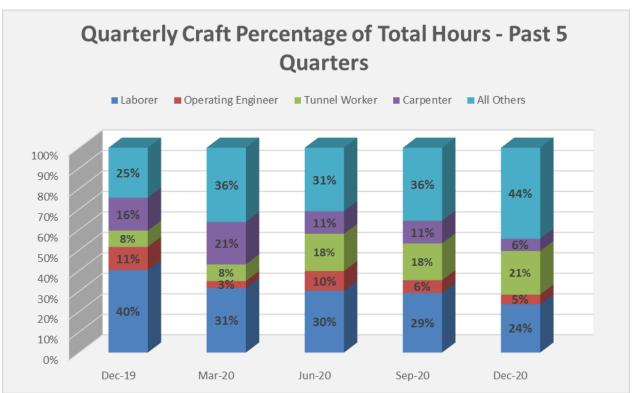
The table below reflects the values of hours and wages for each trade cumulatively since the

inception of the WSIP and for the most recent reporting period.

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

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

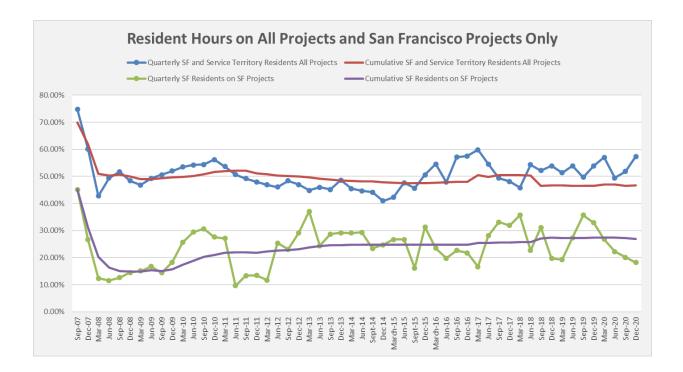




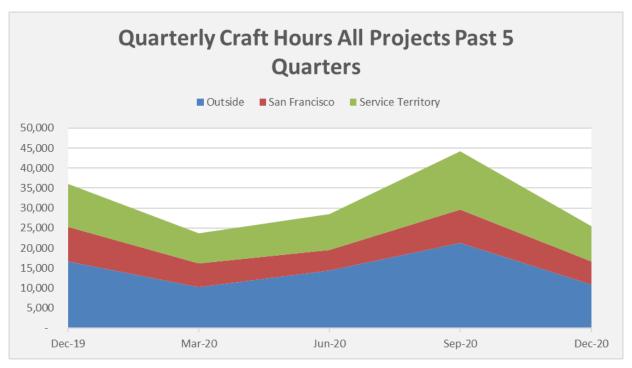
Worker Residence on the WSIP PLA

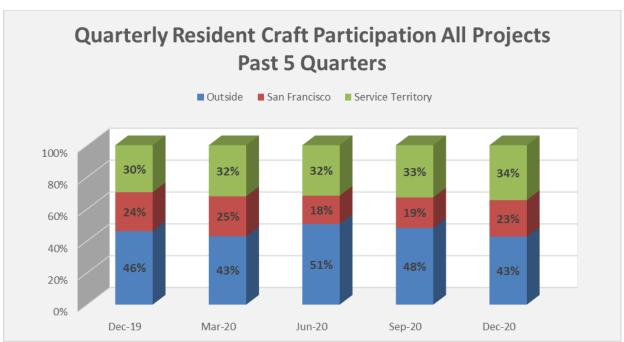
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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

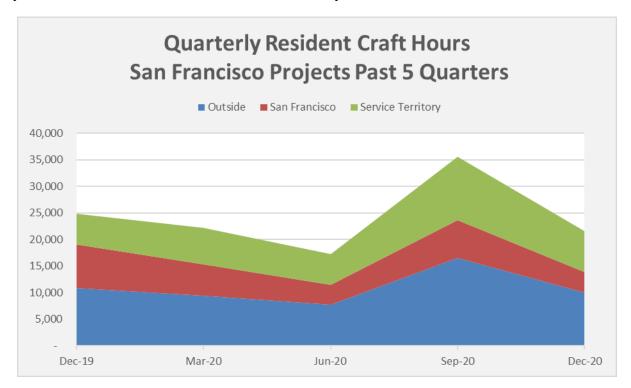


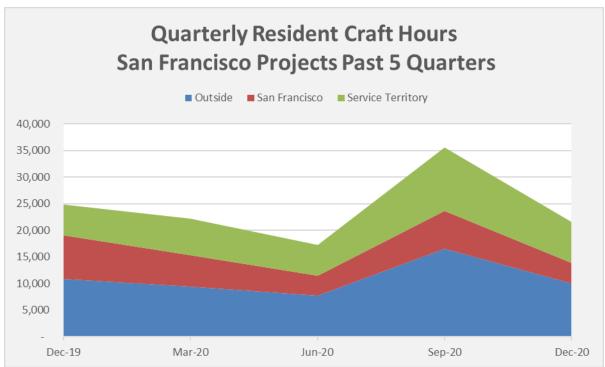
<u>Residence on ALL WSIP PLA Projects</u> - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



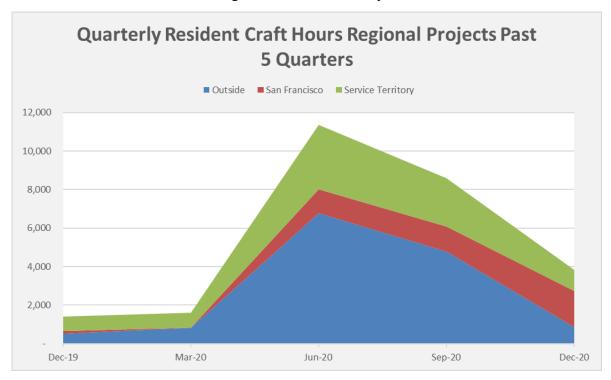


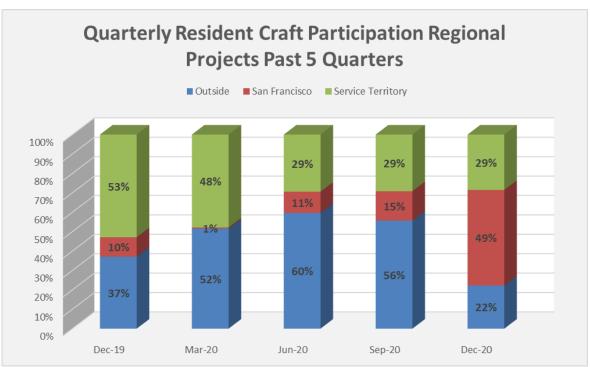
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.





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





Residence by County

Sorted by Total Craft Hours

Sorted by Total Craft Hours	WSIP-PLA Employment by Top 20 Counties of Residence Inception Through December 31,2020									
County	Total Craft Hours	11110	Wages	% Craft Hours	Worker Count	FTE				
Alameda County	1,552,008	\$	58,343,248	17.8%	3,007	746				
Contra Costa County	1,235,379	\$	49,149,756	14.1%	2,110	594				
San Joaquin County	841,518	\$	31,936,441	9.6%	1,306	405				
San Mateo County	760,570	\$	31,287,305	8.7%	1,357	366				
San Francisco County	631,010	\$	24,638,884	7.2%	1,471	303				
Santa Clara County	455,531	\$	18,365,882	5.2%	1,327	219				
Solano County	435,022	\$	17,745,859	5.0%	908	209				
Stanislaus County	389,998	\$	14,498,228	4.5%	661	187				
Sacramento County	352,950	\$	14,563,935	4.0%	657	170				
Butte County	212,869	\$	8,445,990	2.4%	132	102				
Sonoma County	196,355	\$	8,269,299	2.2%	401	94				
Placer County	112,017	\$	5,070,168	1.3%	142	54				
Tuolumne County	102,588	\$	3,982,918	1.2%	103	49				
Calaveras County	101,582	\$	4,516,595	1.2%	80	49				
El Dorado County	88,624	\$	3,770,176	1.0%	87	43				
Los Angeles County	72,758	\$	3,274,097	0.8%	147	35				
Yolo County	71,698	\$	2,993,107	0.8%	95	34				
Shasta County	70,894	\$	3,305,744	0.8%	47	34				
Riverside County	65,996	\$	3,122,393	0.8%	112	32				
Clark County	62,062	\$	2,842,502	0.7%	72	30				
Top 20 Counties by Hours	7,811,429	\$	310,122,526	89.5%	14,222	3,755				
All Other Counties	921,024	\$	40,919,653	10.5%	1,545	443				
WSIP-PLA Total	8,732,453	\$	351,042,179	100.0%	15,767	4,198				

San Francisco Residents by Zip Code

Sorted by Total Craft Hours

ted by Total Craft Hours	Employme	ent	by San Francis	co Zip Code		
			rough December			
	·			tal Workers		
San Francisco Zip Codes	Total Craft		14/2500	% Total Craft	Worker	CTC
	Hours		Wages	Hours	Count	FTE
94112	121,246	\$	4,373,710	19.2%	247	58
94124	106,208	\$	4,363,351	16.8%	294	51
94116	85,482	\$	3,977,699	13.5%	92	41
94110	84,855	\$	3,007,934	13.4%	195	41
94134	41,031	\$	1,253,322	6.5%	127	20
94122	35,926	\$	1,735,343	5.7%	82	17
94103	24,130	\$	737,432	3.8%	43	12
94121	20,412	\$	829,696	3.2%	61	10
94127	15,419	\$	698,581	2.4%	24	7
94118	15,085	\$	739,788	2.4%	23	7
94132	10,951	\$	443,053	1.7%	38	5
94117	10,718	\$	291,982	1.7%	18	5
94107	10,037	\$	378,996	1.6%	33	5
94102	8,852	\$	387,998	1.4%	23	4
94131	7,757	\$	252,646	1.2%	31	4
94133	6,421	\$	253,885	1.0%	13	3
94109	5,035	\$	160,992	0.8%	24	2
94114	4,465	\$	196,710	0.7%	17	2
94108	4,194	\$	144,211	0.7%	9	2
94115	3,265	\$	120,164	0.5%	28	2
94130	3,179	\$	67,807	0.5%	12	2
94142	1,740	\$	68,149	0.3%	7	1
94111	915	\$	21,546	0.1%	3	0
94123	871	\$	40,845	0.1%	4	0
94104	677	\$	22,206	0.1%	3	0
94105	487	\$	15,646	0.1%	7	0
94129	447	\$	14,182	0.1%	1	0
94188	366	\$	9,790	0.1%	3	0
94140	288	\$	11,589	0.0%	1	0
94119	255	\$	7,976	0.0%	1	0
94147	162	\$	4,785	0.0%	1	0
94158	110	\$	5,839	0.0%	6	0
94125	21	\$	768	0.0%	1	0
94164	6	\$	264	0.0%	1	0
Total	631,010	\$	24,638,884	100.0%	1,471	303
WSIP-PLA Total	8,732,453	\$	351,042,179	-	15,781	4,198

Residence by Craft

Sorted by Total Hours

			nent of Residents h December 31, 20	-			
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%	10.0%	29.6%
Bricklayer	8,899	82		4,536	0.9%	48.1%	51.0%
Electrical Utility Lineman		02	4,281				
Glazier	6,909	1 240	186	6,723	0.0%	2.7%	97.3%
	5,180	1,246	1,612	2,323	24.0%	31.1%	44.8%
Metal Roofing Systems Installer	2,586	39	2,252	296	1.5%	87.1%	11.4%
Asbestos Worker, Heat and Frost Insulator	1,259	112	229	918	8.9%	18.2%	72.9%
Brick Tender	895	287	19	589	32.1%	2.1%	65.8%
Driver	557	541	8	7	97.3%	1.4%	1.3%
Carpet Layer	354	111	89	154	31.4%	25.1%	43.5%
Tile Setter	351	-	344	7	0.0%	98.0%	2.0%
Tile Finisher	277	-	237	40	0.0%	85.6%	14.4%
Terrazzo Worker	199	-	-	199	0.0%	0.0%	100.0%
Sprinkler Fitter	64	-	32	32	0.0%	50.0%	50.0%
Marble Finisher	40	-	40	-	0.0%	100.0%	0.0%
Terrazzo Finisher	4	-	4	-	0.0%	100.0%	0.0%
Total Apprenticeable	5,284,062	364,937	1,916,796	3,002,329	6.9%	36.3%	56.8%
Laborer	2,987,266	237,675	1,286,437	1,463,154	8.0%	43.1%	49.0%
Non-Apprenticeable							
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%
Driver (On/Off-Hauling To/From Construction	99,625	18,049	65,758	15,818	18.1%	66.0%	15.9%
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,121	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		-	282	841	0.0%	25.1%	74.9%
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%
Slurry Seal Worker	592		337	255	0.0%	56.9%	43.1%
Parking And Highway Improvement Painter (247		165	82	0.0%	66.8%	33.2%
Ironworker (Db)	80		24	56	0.0%	30.0%	70.0%
Teamster (Special Single Shift Rate)	11	-		11	0.0%	0.0%	100.0%
` '							
Total Non-Apprenticeable	461,125	28,398	237,576	195,151	6.2%	51.5%	42.3%
Total WSIP PLA	8,732,453	631,010	3,440,809	4,660,635	7.2%	39.4%	53.4%

Residence by Project

Sorted	by	Total	Hours

Emplo		iry - Cumulativ lyment Summai			•		
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2551 - Calaveras Dam Replacemer	1,532,134	4,664	572,572	954,898	0.3%	37.4%	62.3%
WD-2596 - HTWTP Long-Term Improver	1,013,848	49,559	368,135	596,155	4.9%	36.3%	58.8%
WD-2581 - New Irvington Tunnel	730,536	4,132	319,860	406,545	0.6%	43.8%	55.7%
WD-2531 - Bay Division Pipelines Relia	583,318	15,154	257,574	310,590	2.6%	44.2%	53.2%
WD-2601 - Crystal Springs / San Andre	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatme	462,423	9,292	174,479	278,653	2.0%	37.7%	60.3%
WD-2542 - Bay Division Pipeline No. 5	288,044	5,836	129,660	152,548	2.0%	45.0%	53.0%
CS-936 - AMI	227,027	78,220	83,691	65,115	34.5%	36.9%	28.7%
WD-2541 - Bay Division Pipeline No. 5	208,058	13,608	85,977	108,472	6.5%	41.3%	52.1%
WD-2539 - University Mound Reservoir	187,016	49,450	51,060	86,507	26.4%	27.3%	46.3%
WD-2729 - Fish Passage Facilities - Al	164,770	1,159	70,568	93,044	0.7%	42.8%	56.5%
WD-2668 - Regional Groundwater Stora	162,241	26,650	82,837	52,755	16.4%	51.1%	32.5%
WD-2627R - Sutro Reservoir Rehabilitat	154,545	49,147	39,763	65,635	31.8%	25.7%	42.5%
WD-2776 - SF Westside Recycled Wat	152,234	37,005	41,109	74,120	24.3%	27.0%	48.7%
HH-935C - San Joaquin Pipeline - Easte	143,988	83	80,508	63,397	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,910	3,122	93,841	44,948	2.2%	66.1%	31.7%
WD-2629 - Seismic Upgrade of Bay Div	134,349	1,815	52,403	80,131	1.4%	39.0%	59.6%
WD-2552 - Alameda Siphon No. 4 Proje	129,485	1,450	54,019	74,017	1.1%	41.7%	57.2%
WD-2555 - Crystal Springs Pipeline No	127,763	31,147	36,395	60,221	24.4%	28.5%	47.1%
WD-2498 - New Crystal Springs Bypas:	117,821	9,557	64,371	43,894	8.1%	54.6%	37.3%
WD-2652 - BHR - San Antonio Creek	110,655	3,693	45,574	61,388	3.3%	41.2%	55.5%
WD-2548 - Lake Merced Pump Station	101,050	28,541	25,790	46,720	28.2%	25.5%	46.2%
HH-935B - San Joaquin Pipeline - West	100,492	111	41,614	58,767	0.1%	41.4%	58.5%
WD-2591 - Lower Crystal Springs Dam	98,562	5,463	52,743	40,356	5.5%	53.5%	40.9%
HH-935A - San Joaquin Pipeline - Cross	84,483	223	45,318	38,942	0.3%	53.6%	46.1%
WD-2513 - San Andreas Pipeline No.3	83,503	6,978	28,219	48,306	8.4%	33.8%	57.8%
WD-2575 - San Antonio Backup Pipelin	75,263	8,780	31,767	34,716	11.7%	42.2%	46.1%
WD-2504 - Stanford Heights Reservoir S	74,294	14,461	20,361	39,472	19.5%	27.4%	53.1%
WD-2501 - Alemany Pump Station	74,085	8,629	29,073	36,382	11.6%	39.2%	49.1%
WD-2727 - Peninsula Pipeline Seismic	69,772	13,891	23,679	32,203	19.9%	33.9%	46.2%
WD-2543 - North University Mound Sys	53,265	13,940	14,613	24,713	26.2%	27.4%	46.4%
WD-2621R - SF Groundwater Supply W	52,623	14,641	8,965	29,018	27.8%	17.0%	55.1%
WD-2573 - Pulgas Balancing Reservoir	50,367	6,669	25,461	18,237	13.2%	50.6%	36.2%
WD-2568 - BDPL Nos. 3&4 Crossover F	47,910	4,201	13,222	30,486	8.8%	27.6%	63.6%
WD-2641R - Habitat Reserve Program	44,018	8,771	10,167	25,081	19.9%	23.1%	57.0%
WD-2564 - HTWTP - Short Term Improv	43,049	8,445	15,208	19,397	19.6%	35.3%	45.1%
WD-2798 - SF Westside Recycled Wat	38,039	11,846	12,495	13,699	31.1%	32.8%	36.0%
WD-2829R - San Andreas Pipeline No.	36,411	6,181	10,115	20,114	17.0%	27.8%	55.2%
WD-2809 - SF Groundwater Supply Pha		5,926	3,095	21,536	19.4%	10.1%	70.5%
WD-2654R - Peninsula Vegetation Rem		4,839	9,727	15,897	15.9%	31.9%	52.2%
WD-2469 - Forest Knolls Pump Station	26,553	6,156	5,766	14,631	23.2%	21.7%	55.1%
WD-2797 - SF Westside Recycled Wat	26,318	8,547	12,487	5,285	32.5%	47.4%	20.1%
WD-2666 - BHR - Sheep Camp Creek	23,492	46	6,377	17,069	0.2%	27.1%	72.7%
WD-2623 - Harding Park Recycled Wat	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed	22,569	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Ma	22,511	6,853	7,279	8,379	30.4%	32.3%	37.2%
WD-2665 - Bav Division Pipeline No. 5,	21,967	227	5,528	16,213	1.0%	25.2%	73.8%
WD-2556 - Baden and San Pedro Valve	19,939	2,720	15,270	1,949	13.6%	76.6%	9.8%
WD-2622 - SF Groundwater Supply Pip	17,782	3,487	2,138	12,157	19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station I	14,916	101	11,948	2,868	0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvem	12,859	0	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185	1,990	29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500	4,494	2.5%	57.6%	39.9%
WD-2640 - Bioregional Habitat Restorat	10,621	667	4,028	5,926	6.3%	37.9%	55.8%
WD-2822R2 - Lower Crystal Springs Da	8,209	291	3,270	4,648	3.5%	39.8%	56.6%
WD-2600 - Regional Groundwater Stora	6,088	0	296	5,792	0.0%	4.9%	95.1%
WD-2855 - Turner Dam Spillway and Po	2,088	0	1,623	465	0.0%	77.7%	22.3%
WD-2589 - SCADA System Phase II	1,498	368	363	767	24.6%	24.2%	51.2%
Total WSIP PLA	8,732,453	631,010	3,440,809	4,660,635	7.2%	39.4%	53.4%

Apprentice Utilization

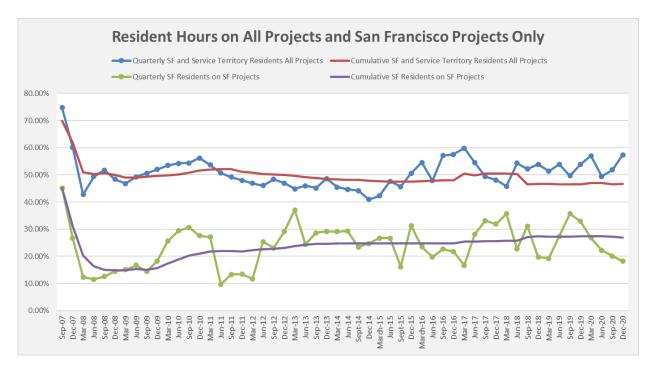
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

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

Sorted by Total Craft Hours

Softed by Total Claft Hou			A	prentice Hou	rs	Арр	rentice Utiliza	tion	Re	Apprentice Apprentice Hours Hours erformed by Performed by an Francisco Service Territory Outside			
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	Apprentice	Apprentice Hours Performed by	% 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 Insula	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												

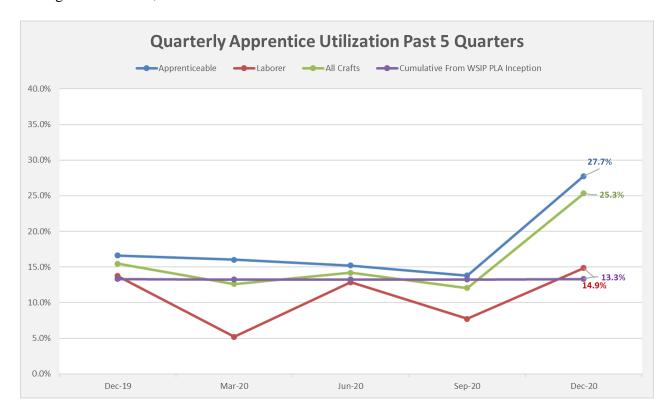
For the three months ending December 31, 2020, 24% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in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



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	-	LA Apprentice Ut Through December		ect				
				поорион		Utilization By P	roject				
			All Workers Hou	rs		App	rentice Hours	5	Appre	ntice Utilizatio	on %
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - 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%	
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%	
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%	
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 Vegetal	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	
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%	
WD-2531 - Bay Division Pipelin	152,234	119,573	124	32,537	152,110	24,138	1,803	25,941	20.2%	5.5%	
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%	
WD-2552 - Alameda Siphon No	117,821	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	
WD-2501 - Alemany Pump Sta	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	
WD-2668 - Regional Groundwa	187,016	106,316	1,199	79,502	185,818	23,851	6,500	30,350	22.4%	8.2%	
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%	
WD-2568 - BDPL Nos. 3&4 Cro	22,569	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%	
WD-2666 - Bioregional Habitat	162,241	101,909	1,079	59,253	161,162	18,467	7,375	25,842	18.1%	12.4%	
WD-2622 - San Francisco Grou	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	
WD-2641R - Habitat Reserve P	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	
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%	
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%	
WD-2555 - Crystal Springs Pip	6,088	-	4,027	2,061	2,061	-	296	296	0.0%	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%	
WD-2556 - Baden and San Ped	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	
WD-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 Springs	74,294	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	
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%	
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%	
WD-2504 - Stanford Heights Re	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	
WD-2652 - Bioregional Habitat	143,988	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	
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%	
WD-2529 - Noe Valley Transmi	8,209	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	
WD-2627R - Sutro Reservoir Re	127,763	49,074	9,731	68,958	118,032	7,559	5,394	12,953	15.4%	7.8%	
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%	
DB-116 - Tesla Treatment Facil	84,483	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	
WD-2729 - Fish Passage Facil WD-2548 - Lake Merced Pump	100,492	52,940	11,926	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	
	489,160	334,614	23,708	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	
WD-2573 - Pulgas Balancing R	208,058	88,905	12,802	106,351	195,256 74,037	10,026	10,170	20,196 7,625	11.3%	9.6%	
WD-2575 - San Antonio Backu	74,085	54,295	48	19,741		7,403	223		13.6%	1.1%	
WD-2776 - San Francisco Wes WD-2513 - San Andreas Pipelii	288,044 47,910	90,020 31,539	31,498 2,093	166,526 14,278	256,546 45,817	7,049 3,818	19,161 720	26,210 4,538	7.8% 12.1%	11.5% 5.0%	
·											
WD-2822R2 - Lower Crystal Sp	98,562	41,053 10,548	1,162 234	56,348	97,400 21,733	4,833 168	3,853	8,685 1,909	11.8%	6.8% 15.6%	
WD-2665 - Bay Division Pipelin	21,967			11,185			1,741		1.6%		
WD-2564 - Harry Tracy Water WD-2566 - San Antonio Pump	36,411	16,980	1,711	17,720	34,700	512	2,370	2,881	3.0%	13.4%	
	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	
WD-2581 - New Irvington Tunne WD-2621P - San Francisco Gr	23,492	16,708	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%	
WD-2621R - San Francisco Gr	1,498	728		771	1,498	115		115	15.8%	0.0%	
HH-935B - San Joaquin Pipelin	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	
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%	
HH-914R - Roselle Crossover Ir WD-2829R - San Andreas Pipe	53,265	14,383 5,842	7,082	31,800	46,183	743	2,255 1,694	2,998 1,718	5.2%	7.1% 6.9%	
	30,464		189	24,433	30,275	24 626			0.4% 6.9%		
WD-2640 - Bioregional Habitat WD-2629 - Seismic Upgrade of	11,275	9,046		2,230	11,275	026	1 122	626		0.0%	
WD-2629 - Seismic Upgrade of WD-2797 - San Francisco Wes	22,511 43,049	6,021	2,067 80	14,423 20,358	20,444 42,969	2.000	1,133	1,133	0.0% 9.2%	7.9% 0.0%	
WD-2855 - Turner Dam Spillwa	2,088	22,612 1,649	- 80	20,358	2,088	2,089	-	2,089	0.0%	0.0%	
TTD ZOOD - TUITIEL Dalli OpliiWd	2,000	1,049	461,125	2,987,266	8,271,328	692,410	405,222	1,097,632	13.1%	13.6%	

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



Substance Abuse Prevention

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

15,169 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.

Ducinet	Number
Project	Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 - Calaveras Dam Replacement Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station DB-116 - Tesla Treatment Facility	375 374
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 WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	115 98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water Proiect	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky	63
WD-2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2829R - San Andreas Pipeline No. 2 Replacement	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bav Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2654R - Peninsula Vegetation Removal	34
WD-2511 - Standby Power Facilities, Various Locations	30
WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30
WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28
WD-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 3
W/D-2855 - Turner Dam Spillway & Dond E3 Erocion Repair	
WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair WD-2640 - Bioregional Habitat Restoration	

Legislative History of the WSIP PLA

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

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

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

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

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

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

Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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



Water System Improvement Program Project Labor Agreement

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



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Executive Summary

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty-nine (59) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.218 billion in original contract award through March 31, 2021.

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

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.

Degion of Monkey Degidence	Inception Through March 31, 2021							
Region of Worker Residence	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				

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

	Three Months Ending March 31, 2021							
Region of Worker Residence	Worker Count	Sum of Hours	Sun	n 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.

Summary of WSIP PLA-Covered Contract Awards

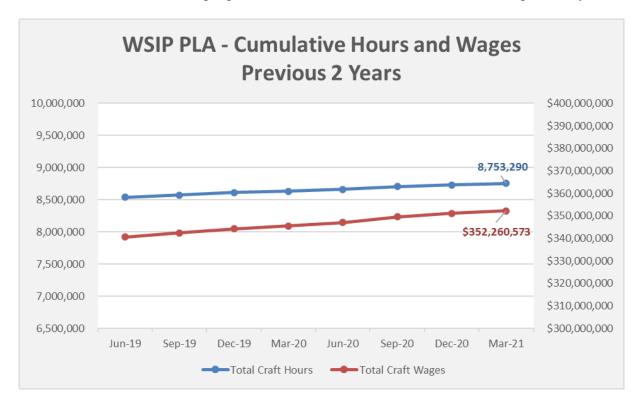
Sorted by Award Date

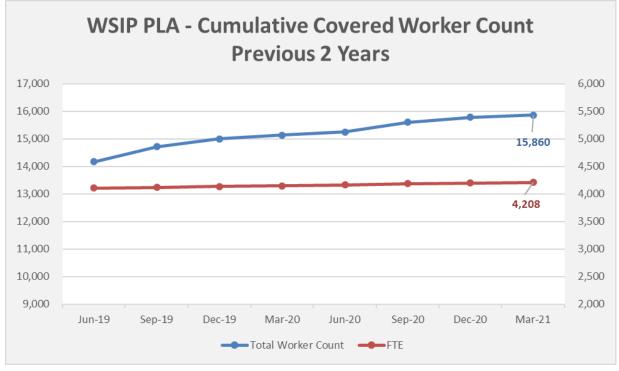
		Construction	n Contracts Awarded Subject to the WSIP-PLA			
			Inception through March 31, 2021	le		
		Prime Contractor	Project	Engineer's Estimate	4	Award \$
09/08/20	WD-2852R* WD-2797*	Fontenoy Engineering, Inc.	San Francisco Westside Recycled Water Irrigation Syste		\$	2,483,525
04/23/19	-	JMB Construction	San Francisco Westside Recycled Water Pump Station a		\$	15,633,200
03/12/19	WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair Lower Crystal Springs Dam Stilling Basin Connecting Ch		\$	1,498,010
01/22/19	WD-2822R2 WD-2829R	Anvil Builders Inc	, , , , , , , , , , , , , , , , , , , ,	i e	\$	4,784,700 32,087,200
01/22/19 05/09/17	WD-2829K WD-2776*	Ranger Pipelines Inc. S.J. Amoroso Construction Co., Inc.	San Andreas Pipeline No. 2 Replacement San Francisco Westside Recycled Water Treatment Faci	\$29 to \$34 Million	\$	
03/09/17	WD-2776* WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$	87,597,000 9,780,000
11/08/16	WD-2809* WD-2798*	JMB CONSTRUCTION INC	San Francisco Westside Recycled Water Pipeline	\$28.6 Million	\$	21,729,720
01/12/16	WD-2738 WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Water		\$	28,939,300
10/27/15	WD-2723 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-2621K	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-2022 WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$	20,736,380
01/20/14	WD-2727	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$	31,372,335
06/26/12	WD-2573 WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$	27,453,000
06/26/12	WD-2627K	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$	3,912,500
06/26/12	WD-2669	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$	31,320,000
04/23/12	WD-2629 WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Po		\$	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		\$	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-2632 WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andrea		\$	6,499,000
06/28/11	WD-2641K	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
03/24/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$	174,197,000
01/27/11	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-2523	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
	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-2531	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$	52,183,400
10/27/09	WD-2542 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-2575	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$	6,991,000
	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
05/05/08	WD-2543	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
12/11/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$	23,269,000
11/13/07	WD-2501	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$	8,419,000
06/26/07	WD-2511 WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$	17,899,960
50, 20,00	ts	,	parameter a merginal near ron detailing near one	7 - 3 to QE . WIIIIOII	\$	2,218,827,955

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.

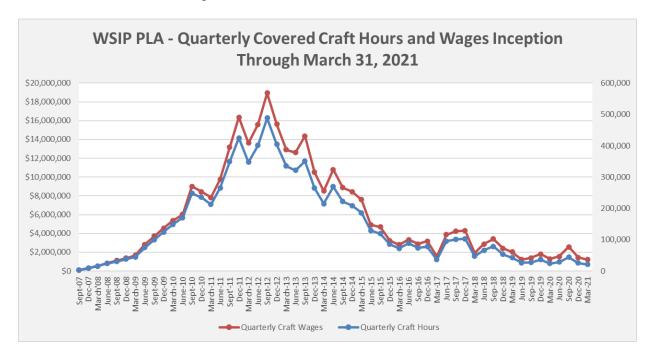
The tables below describe the progressive accumulation of these totals over the past two years.



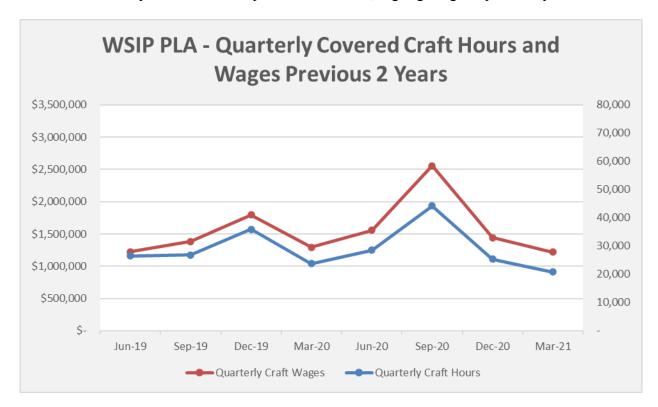


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98.9% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



Craft Utilization on WSIP PLA-Covered Projects

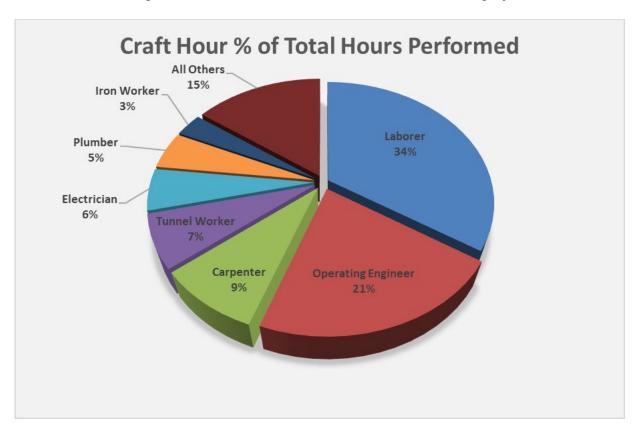
As of March 31, 2021, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 31 craft areas.

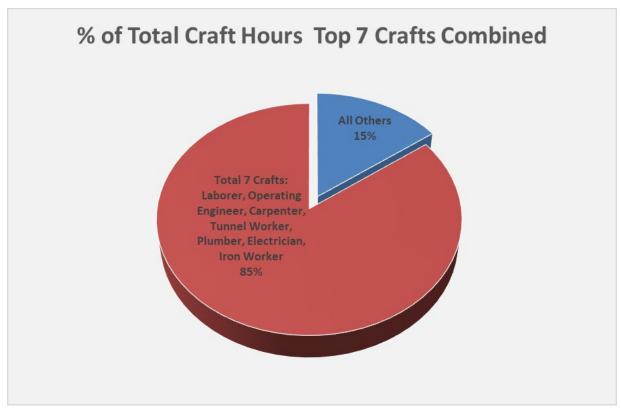
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

			ployment by			
	Inception Th	nrou	igh 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
Top 7 Sub-Total	7,463,151	\$	289,583,785	85.3%	82.2%	3,588
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
Remaining Apprenticeable Sub-Total	828,999	\$	38,666,666	9.5%	11.0%	399
Total Non-Apprenticeable	461,141	\$	24,010,122	5.3%	6.8%	222
Total WSIP-Covered by PLA	8,753,290	\$	352,260,573	100.0%	100.0%	4,208

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.



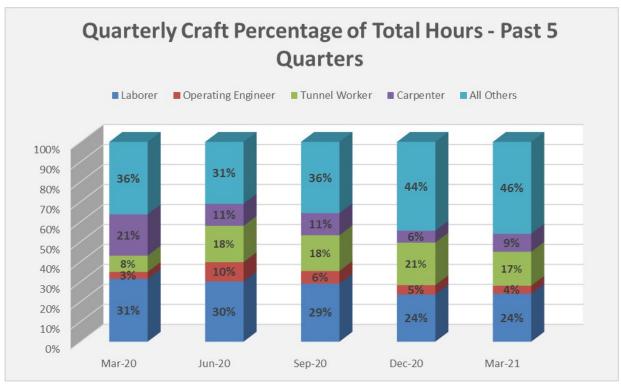


The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

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	-	\$	5,970
Tile Finisher	333	\$	7,235	- 56	\$	1,399
Terrazzo Worker	199	\$	8,163	-	\$	1,555
Sprinkler Fitter	128	\$	8,769	64	\$	4,351
Marble Finisher	40		1,342	-	\$	4,551
Terrazzo Finisher	40	\$	1,342	-	\$	-
Terrazzo Firristier		φ		20.022	φ	1 217 277
	8,292,150		328,250,451	20,822		1,217,377
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) (Specia		\$	4,512,513	-	\$	-
Tunnel/Underground (Operating Engineer-Heavy And High		\$	3,676,393	-	\$	_
Asbestos Removal Worker (Laborer)	17,121		437,612	_	\$	-
Tunnel/Underground (Operating Engineer-Heavy And High		\$	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	-	\$	<u>-</u>
Steel Erector And Fabricator (Operating Engineer - Hea		\$	56,467	-	\$	
Traffic Control/Lane Closure (Laborer)	888	\$	31,991		\$	-
Dredger Operating Engineer	831	\$	33,307	-	\$	-
	635			-		-
Operating Engineer (Ruilding Construction)	592	\$	24,810		\$	-
		\$	17,811	-	\$	-
Slurry Seal Worker		Φ.		-	\$	-
Slurry Seal Worker Parking And Highway Improvement Painter (Painter)	247	\$	10,082			
Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db)	247 80	\$	2,772	-	\$	-
Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db) Teamster (Special Single Shift Rate)	247 80 11	\$	2,772 291	- -	\$ \$	- 1.016
Operating Engineer (Building Construction) Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db) Teamster (Special Single Shift Rate) Total Non-Apprenticeable	247 80 11 461,141	\$ \$	2,772 291 24,010,122	- - 16	\$ \$	1,016
Slurry Seal Worker Parking And Highway Improvement Painter (Painter) Ironworker (Db) Teamster (Special Single Shift Rate)	247 80 11	\$ \$ \$	2,772 291	- -	\$ \$	1,016 1,217,377 1,218,393

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

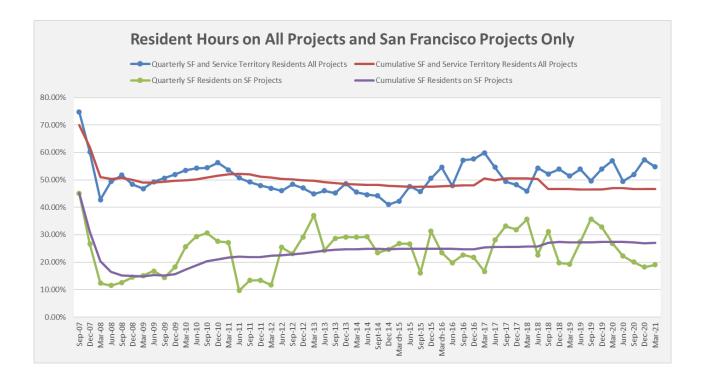




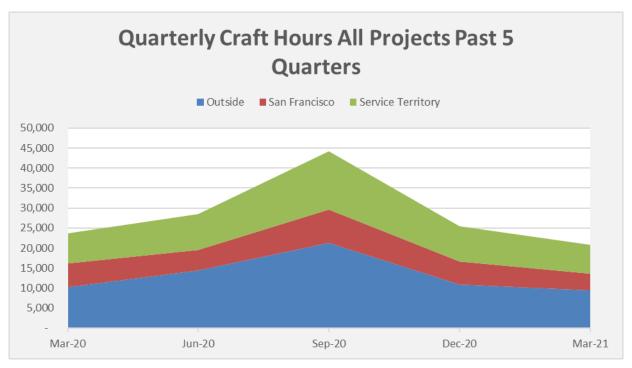
Worker Residence on the WSIP PLA

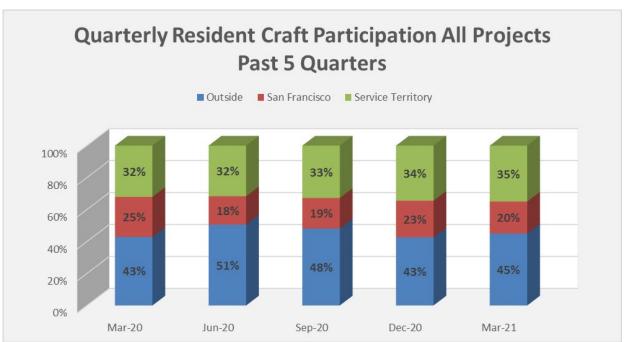
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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

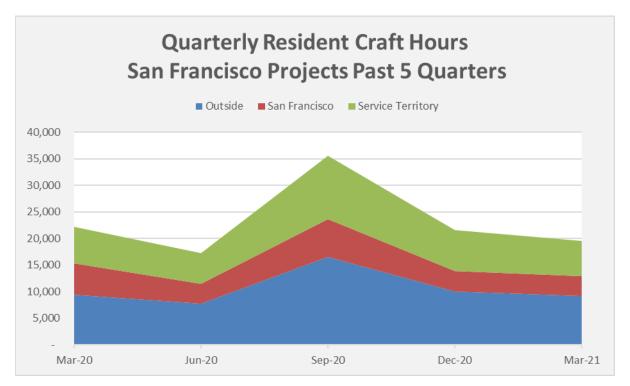


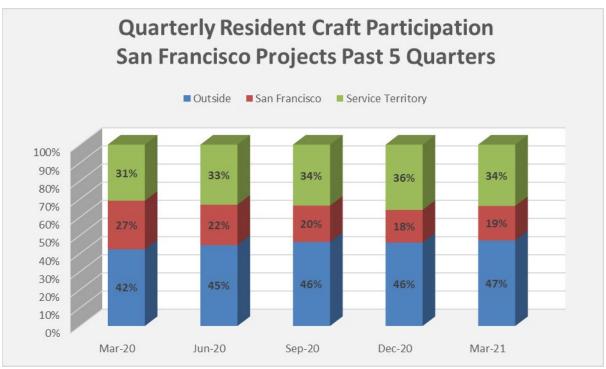
<u>Residence on ALL WSIP PLA Projects</u> - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



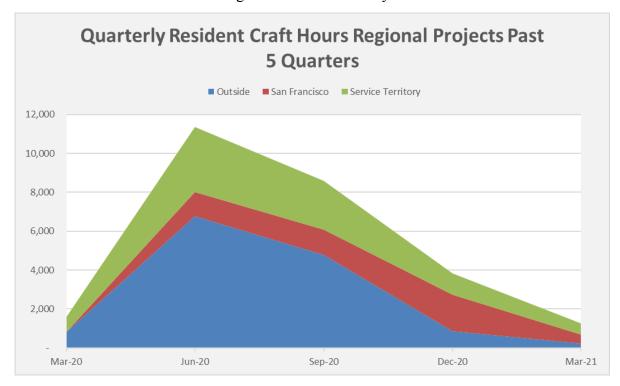


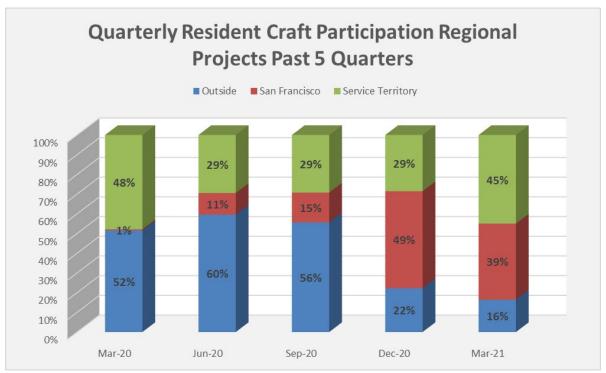
Residence on *San Francisco-located WSIP PLA Projects* - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.





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





Residence by County

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence Inception Through March 31,2021											
County	Total Craft Hours		Wages	% Craft Hours	Worker Count	FTE					
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					
San Francisco County	635,226	\$	24,881,397	7.3%	1,482	305					
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					
Top 20 Counties by Hours	7,831,114	\$	311,262,349	89.5%	14,295	3,765					
All Other Counties	922,176	\$	40,998,223	10.5%	1,565	443					
WSIP-PLA Total	8,753,290	\$	352,260,573	100.0%	15,860	4,208					

San Francisco Residents by Zip Code

Sorted by Total Craft Hours

ted by Total Craft Hours	Employme	ent	by San Francis	co Zip Code							
			hrough March								
	Total Workers										
San Francisco Zip Codes	Total Craft			% Total Craft	Worker						
	Hours	Wages		Hours	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					
Total	635,226	\$	24,881,397	100.0%	1,485	305					
WSIP-PLA Total	8,753,290	\$	352,260,573	-	15,860	4,208					

Residence by Craft

Sorted by Total Hours

	Cume		nent of Residents ugh 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	- 02	186	6,723	0.0%	2.7%	97.3%
Glazier		1 246			23.7%	30.7%	45.6%
Metal Roofing Systems Installer	5,253	1,246 39	1,612 2,252	2,396 296	1.5%		11.4%
3 ,	2,586					87.1%	
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%
Total Apprenticeable	5,299,880	368,204	1,921,773	3,009,904	6.9%	36.3%	56.8%
Laborer	2,992,270	238,611	1,288,645	1,465,014	8.0%	43.1%	49.0%
Non-Apprenticeable					2 = 2/	== ==:	
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 Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%
Parking And Highway Improvement Painter (247		165	82	0.0%	66.8%	33.2%
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%
Teamster (Special Single Shift Rate)	11	-	-	11	0.0%	0.0%	100.0%
Total Non-Apprenticeable	461,141	28,411	237,576	195,154	6.2%	51.5%	42.3%
Total WSIP PLA	8,753,290	635,226	3,447,993	4,670,071	7.3%	39.4%	53.4%
iotal Walf FLA	0,733,230	033,220	3,441,333	7,0,0,011	7.3/0	33.7/0	JJ.4/0

Residence by Project

Sorted by Total Hours

Employment Summ: Craft Em	ary - Cumulativoloyment Sumn			by Project			
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 Upg	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Re		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 Proiect	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 Reservoi	31,132	9,546	15,342	6,245	30.7% 19.4%	49.3% 10.1%	20.1%
WD-2809 - SF Groundwater Supply Phase 2 WD-2654R - Peninsula Vegetation Removal	30,561 30,464	5,926 4,839	3,099 9,727	21,536 15,897	15.4%	31.9%	70.5% 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		19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station Upgrades Project	14,916	101	11,948		0.7%	80.1%	19.2%
HH-914R - Roselle Crossover Improvements	12,859	101	8,861	3,999	0.0%	68.9%	31.1%
HH-953 - Tesla Portal Protection	11,512	3,338	6,185		29.0%	53.7%	17.3%
WD-2511 - Standby Power Facilities	11,275	281	6,500		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 C	8,209	291	3,270	4,648	3.5%	39.8%	56.6%
WD-2600 - Regional Groundwater Storage and Recovery Project- Test		251	296		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%
Total WSIP PLA			3,447,993		7.3%	39.4%	53.4%

Apprentice Utilization

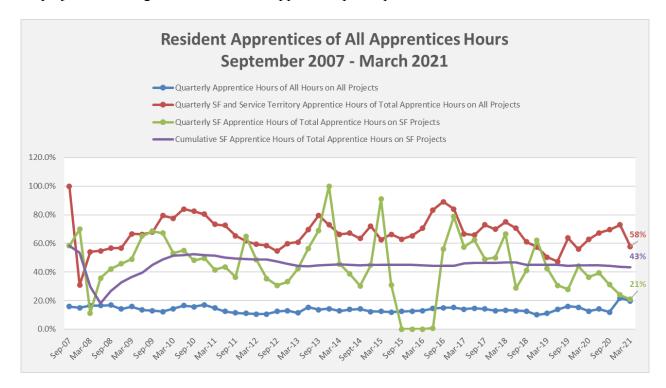
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 16.2% 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

			A	pprentice Hou	rs	Apprentice Utilization			Resident Apprentice %		
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,857,950	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										

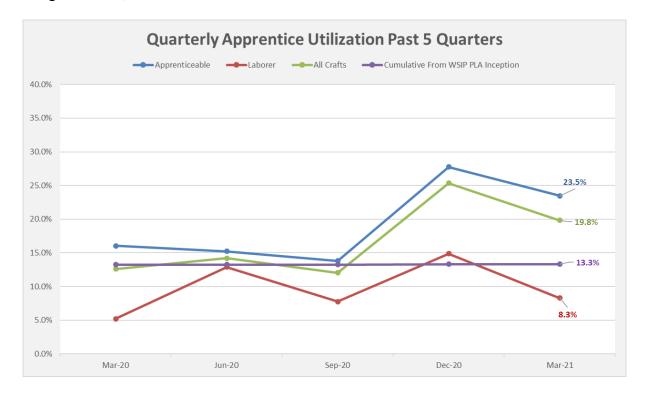
For the three months ending March 31, 2021, 24% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the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



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%.

			WSIF		Through March 3	ilization By Proje					
						Utilization By Pr	-		1		
		•	All Workers Hou	rs		Appr	rentice Hours	5	Appre	ntice Utilization	n %
Project	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non- Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - AMI	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
HH-953 - Tesla Portal Protection	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2641R - Habitat Reserve P	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
DB-116 - Tesla Treatment Facil	141,910	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2729 - Fish Passage Facil	164,770	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	19.2%
WD-2652 - BHR - San Antonio	110,655	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	19.1%
WD-2798 - SF Westside Recyc	38,039	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
WD-2727 - Peninsula Pipeline	69,772	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%
WD-2776 - SF Westside Recyc	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 Springs	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% 8.2%	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% 22.4%	16.3%
WD-2629 - Seismic Upgrade of WD-2651R - Peninsula 2011 W	134,349	73,390	1,511	59,345	132,735 19,331	8,297	13,294	21,590	11.3%	22.4% 16.3%	16.3% 16.2%
WD-2651R - Peninsula 2011 W WD-2668 - Regional Groundwa	22,569 163,260	4,777 102,481	3,239 1,079	14,554 59,700	19,331	763 18,467	2,372 7,391	3,135 25,858	16.0% 18.0%	16.3% 12.4%	16.2% 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%	15.9%
HH-914R - Roselle Crossover Ir	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.0%
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-2600 - Regional Groundwar	6,088	-	4,027	2,061	2,061	100,420	296	296	0.0%	14.3%	14.3%
WD-2627R - Sutro Reservoir Re	154,545	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%
WD-2556 - Baden and San Ped	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.2%
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-2513 - San Andreas Pipelii	83,503	28,638	11,956	42,909	71,547	3,994	5,317	9,311	13.9%	12.4%	13.0%
WD-2622 - SF Groundwater Su	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2797 - SF Westside Recyc	31,132	14,177	- 1,002	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 Pig	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 / Sa	489,160	334,614	23,054	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2541 - Bay Division Pipelin	208,058	88,905	12,743	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%	10.3%
WD-2501 - Alemany Pump Sta	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	10.3%
WD-2542 - Bay Division Pipelin	288,044	90,020	31,498	166,526	256,546	7,049	19,161	26,210	7.8%	11.5%	10.2%
WD-2568 - BDPL Nos. 3&4 Cro	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crystal Sprin	98,562	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2665 - Bav Division Pipelin	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-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 Irvington Tunne	730,536	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	8.2%
WD-2666 - BHR - Sheep Camp	23,492	16,708	-	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2589 - SCADA System Ph	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	7.7%
WD-2623 - Harding Park Recyc	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	7.4%
WD-2531 - Bay Division Pipelin	583,318	412,690	91,092	79,463	492,154	14,153	18,238	32,391	3.4%	23.0%	6.6%
WD-2543 - North University Mo	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	6.5%
WD-2654R - Peninsula Vegetat	30,464	5,842	189	24,433	30,275	24	1,694	1,718	0.4%	6.9%	5.7%
WD-2511 - Standby Power Fac	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
WD-2529 - Noe Valley Transmi	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2564 - HTWTP - Short Ten	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%
WSIP - Covered by PLA (57 Pr	8,753,290	5,299,880	459,089	2,992,270	8,290,062	696,124	405,636	1,101,760	13.1%	13.6%	13.3%

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



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.

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 Proiect	2,122
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-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 - 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 WD-2566 - San Antonio Pump Station Upgrades Project	72 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 59
HH-953 - Tesla Portal Protection	
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 Proiect - 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
Total Cleared	

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.

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.



Water System Improvement Program Project Labor Agreement

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



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Executive Summary

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty-nine (59) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.218 billion in original contract award through June 30, 2021.

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

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.

Pagion of Monkey Pagidance	Inception Through June 30, 2021								
Region of Worker Residence	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					

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

	Three Months Ending June 30, 2021								
Region of Worker Residence	Worker Count	Sum of Hours	Sun	n 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.

Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

			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 Syste		\$ 2,483,525
	WD-2797*	JMB Construction	San Francisco Westside Recycled Water Pump Station a		\$ 15,633,200
. , . ,	WD-2757 WD-2855	Sukut Construction, LLC,	Turner Dam Spillway and Pond F3 East Erosion Repair		\$ 1,498,010
01/22/19	WD-2822R2	Anvil Builders Inc	Lower Crystal Springs Dam Stilling Basin Connecting Ch		\$ 4,784,700
	WD-2829R	Ranger Pipelines Inc.	San Andreas Pipeline No. 2 Replacement	\$29 to \$34 Million	\$ 32,087,200
	WD-2776*	S.J. Amoroso Construction Co., Inc.	San Francisco Westside Recycled Water Treatment Faci		\$ 87,597,000
01/24/17	WD-2809*	Western Water Constructors, Inc.	San Francisco Groundwater Supply Phase 2	\$11.2 Million	\$ 9,780,000
	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
	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
	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500
	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Po		\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well I		\$ 2,998,685
	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
	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas		\$ 6,499,000
	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
	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
	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601 WD-2623*	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
	WD-2623 · WD-2581	R & W Concrete Southland/Tutor Perini JV	Harding Park Recycled Water Proiect New Irvington Tunnel	\$6.5 Million \$230 to \$260 Million	\$ 5,251,100 226,657,700
	WD-2581 WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
	WD-2531 WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2542 WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
	WD-2541 WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
	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
	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
	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
Total 59 Projec	ts			· · · · · · · · · · · · · · · · · · ·	\$ 2,218,827,955

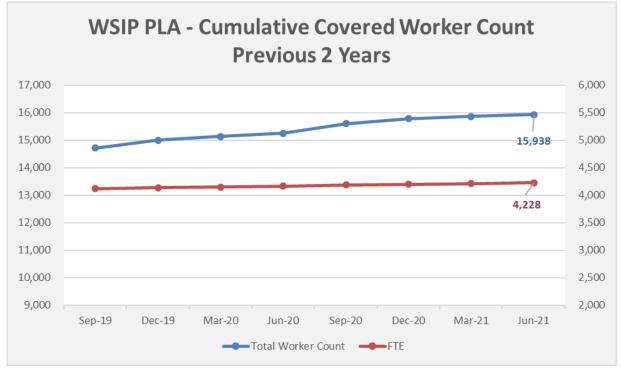
^{*} indicates projects located in San Francisco

Summary Charts

From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending 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.

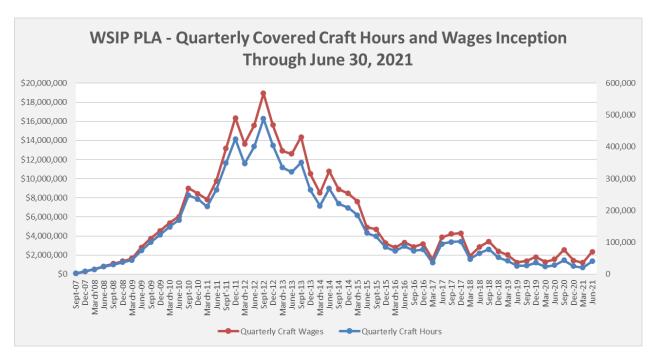
The tables below describe the progressive accumulation of these totals over the past two years.



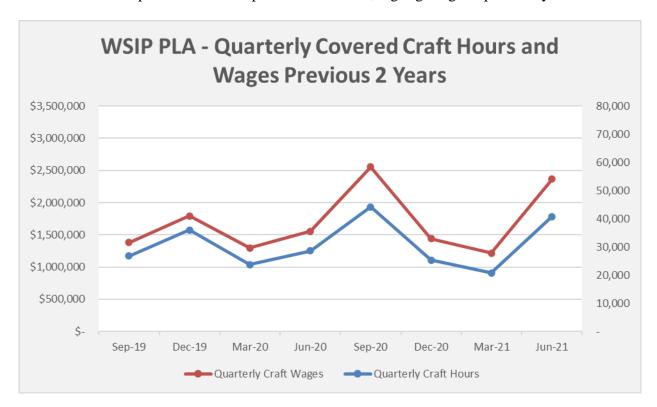


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98.9% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



Craft Utilization on WSIP PLA-Covered Projects

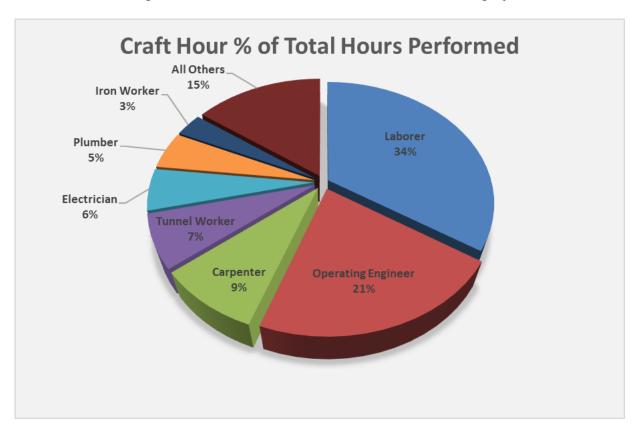
As of June 30, 2021, contractors reported craft hours in 56 craft worker classifications that the SFPUC summarizes into 32 craft areas.

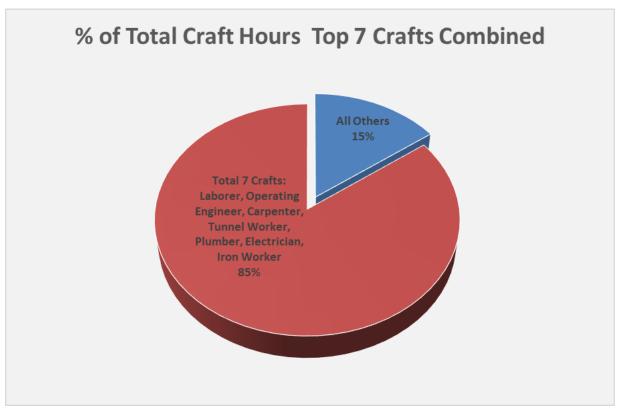
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

	Cumulative	Em	ployment by	Craft		
	Inception T	hro	ugh June 30, 2	021		
Craft	Total Hours	1	Total Wages	% Craft Hours	% Wages of	FTE
				of Total Hours	Total Wages	
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
Top 7 Sub-Total	7,497,833	\$	291,644,482	85.3%	82.2%	3,605
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 Insul	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
Remaining Apprenticeable Sub-Total	835,079		38,973,841	9.5%	11.0%	401
Total Non-Apprenticeable	461,141	\$	24,010,122	5.2%	6.8%	222
Total WSIP-Covered by PLA	8,794,053	\$	354,628,445	100.0%	100.0%	4,228

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.





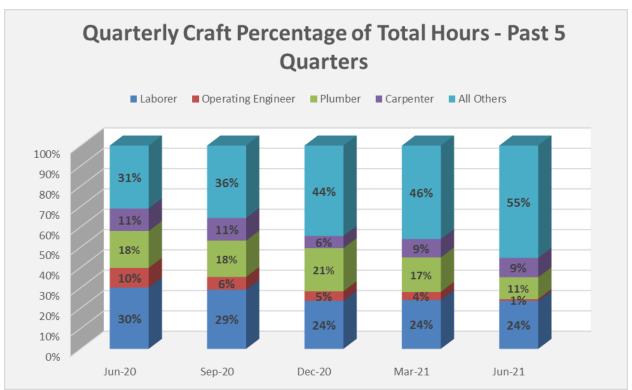
The table below reflects the values of hours and wages for each trade cumulatively since the

inception of the WSIP and for the most recent reporting period.

Laborer 3,001,873 Operating Engineer 1,858,330 Carpenter 770,822 Tunnel Worker 612,964 Electrician 517,451 Plumber 457,226 Iron Worker 279,168 Pile Driver 181,764 Painter 153,759 Cement Mason 129,170 Boilermaker 121,771 Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,909 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver Contributor 206 Terrazzo Worker 199 Sprinkler Fitter 128 <	******************	93,758,982 78,511,598 33,088,985 26,175,557 28,176,770 22,204,185 9,728,405 9,710,884 6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039 56,185	9,603 380 3,872 - 14,747 4,380 1,700 - 1,580 576 174 841 - 550 422 583 - 785 - 16 - 157	****	384,550 49,691 213,928 - 1,033,278 307,769 71,482 - 80,284 20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028 - 1,028
Carpenter 770,822 Tunnel Worker 612,964 Electrician 517,451 Plumber 457,226 Iron Worker 279,168 Pile Driver 181,764 Painter 153,759 Cement Mason 129,170 Boilermaker 121,771 Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 199 Sprinkler Fitter 128 Marbl	***	33,088,985 26,175,557 28,176,770 22,204,185 9,728,405 9,710,884 6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	3,872 - 14,747 4,380 1,700 - 1,580 576 - - 174 841 - 550 422 583 - 785 - 16	***	213,928 - 1,033,278 307,769 71,482 - 80,284 20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028
Tunnel Worker Electrician Elec	***	26,175,557 28,176,770 22,204,185 9,728,405 9,710,884 6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	14,747 4,380 1,700 - 1,580 576 - - 174 841 - 550 422 583 - 785 - 16	***	1,033,278 307,769 71,482 - 80,284 20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028
Electrician	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	28,176,770 22,204,185 9,728,405 9,710,884 6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	4,380 1,700 - 1,580 576 - 174 841 - 550 422 583 - 785 - 16	***	307,769 71,482 - 80,284 20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028
Plumber 457,226 Iron Worker 279,168 Pile Driver 181,764 Painter 153,759 Cement Mason 129,170 Boilermaker 121,771 Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,039 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Terraz	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	22,204,185 9,728,405 9,710,884 6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	4,380 1,700 - 1,580 576 - 174 841 - 550 422 583 - 785 - 16	****	307,769 71,482 - 80,284 20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028
Iron Worker 279,168 Pile Driver 181,764 Painter 153,759 Cement Mason 129,170 Boilermaker 121,771 Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 518 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 40 Teamster 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Hig 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Hig 13,201 Water Well Driller 12,313	\$	9,728,405 9,710,884 6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	1,700 - 1,580 576 - 174 841 - 550 422 583 - 785 - 16	* * * * * * * * * * * * * * * * * * * *	71,482 - 80,284 20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028
Pile Driver 181,764 Painter 153,759 Cement Mason 129,170 Boilermaker 121,771 Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 96,289	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,710,884 6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	- 1,580 576 - - 174 841 - 550 422 583 - 785 - 16	***	80,284 20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028
Painter 153,759 Cement Mason 129,170 Boilermaker 121,771 Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	1,580 576 - - 174 841 - 550 422 583 - 785 - 16	***	20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028
Cement Mason 129,170 Boilermaker 121,771 Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,078,394 4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	576 - - 174 841 - 550 422 583 - 785 - 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,744 - - 8,864 55,516 - 29,334 16,820 26,881 - 40,028
Boilermaker	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,546,874 6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	- 174 841 - 550 422 583 - 785 - 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8,864 55,516 - 29,334 16,820 26,881 - 40,028
Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Termaster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And H	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,494,850 5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	- 174 841 - 550 422 583 - 785 - 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8,864 55,516 - 29,334 16,820 26,881 - 40,028
Building/Construction Inspector 88,866 Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Termaster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And H	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,006,218 1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	174 841 - 550 422 583 - 785 - 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8,864 55,516 - 29,334 16,820 26,881 - 40,028
Roofer 50,249 Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Termaster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Hig 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,715,222 1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	174 841 - 550 422 583 - 785 - 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	55,516 - 29,334 16,820 26,881 - 40,028
Sheet Metal Worker 31,069 Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Highway And Highway Mork) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway And Highway Mork) 13,2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,627,791 1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	841 - 550 422 583 - 785 - 16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	55,516 - 29,334 16,820 26,881 - 40,028
Field Surveyor 22,095 Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 79,393 Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) 13,201 Water Well Driller 12,313 <td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td> <td>1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039</td> <td>- 550 422 583 - 785 - 16</td> <td>\$ \$ \$ \$ \$ \$ \$ \$ \$</td> <td>29,334 16,820 26,881 - 40,028</td>	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,262,291 612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	- 550 422 583 - 785 - 16	\$ \$ \$ \$ \$ \$ \$ \$ \$	29,334 16,820 26,881 - 40,028
Drywall Installer/Lather 13,649 Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Highway And Highway Mork) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Mater Well Driller 13,201	\$ \$ \$ \$ \$ \$ \$ \$ \$	612,830 439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	550 422 583 - 785 - 16	\$ \$ \$ \$ \$ \$	16,820 26,881 - 40,028
Plasterer 11,819 Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) 13,201 Water Well Driller 12,313	\$ \$ \$ \$ \$ \$ \$ \$ \$	439,121 410,467 425,367 296,020 92,217 78,187 34,361 25,039	422 583 - 785 - 16	\$ \$ \$ \$ \$	16,820 26,881 - 40,028
Bricklayer 10,355 Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) 13,201 Water Well Driller 12,313	\$ \$ \$ \$ \$ \$ \$	410,467 425,367 296,020 92,217 78,187 34,361 25,039	583 - 785 - 16	\$ \$ \$ \$	26,881 - 40,028 -
Electrical Utility Lineman 6,909 Glazier 6,038 Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 40 Terrazz	\$ \$ \$ \$ \$ \$ \$	425,367 296,020 92,217 78,187 34,361 25,039	- 785 - 16 -	\$ \$ \$ \$	- 40,028 -
Glazier	\$ \$ \$ \$ \$	296,020 92,217 78,187 34,361 25,039	785 - 16 -	\$ \$ \$	-
Metal Roofing Systems Installer 2,586 Asbestos Worker, Heat and Frost Insulator 1,365 Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Terrazzo Finisher 4 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Hig 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Hig 13,201 Water Well Driller 12,313	\$ \$ \$ \$ \$	92,217 78,187 34,361 25,039	- 16 -	\$ \$ \$	-
Asbestos Worker, Heat and Frost Insulator Brick Tender Brick Tender Tile Setter Driver Tile Finisher Carpet Layer Elevator Terrazzo Worker Sprinkler Fitter Marble Finisher Terrazzo Finisher Terrazzo Finisher Terrazzo Finisher Teamster Driver (On/Off-Hauling To/From Construction Site) Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Wor	\$ \$ \$ \$	78,187 34,361 25,039	16 -	\$	1,028 -
Brick Tender 993 Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Teamster 4 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Mond Highway Work) 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Mond Highway Work) 13,201 Water Well Driller 12,313	\$ \$ \$	34,361 25,039	-	\$	1,028
Tile Setter 613 Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Teamster 4 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) 13,201 Water Well Driller 12,313	\$ \$ \$	25,039	- 157		-
Driver 557 Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 8,332,912 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Mond High	\$ \$		157	2	
Tile Finisher 523 Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 8,332,912 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Mond Hig	\$	56 125			8,134
Carpet Layer 354 Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 8,332,912 Teamster Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heawy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heawy And Highway Mond Highway Work) 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heawy And Highway Work) 13,201 Water Well Driller 12,313		50, 105	-	\$	-
Elevator 206 Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 8,332,912 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Mond Highway Work) 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Work) 13,201 Water Well Driller 12,313	Ф	13,087	190	\$	5,852
Terrazzo Worker 199 Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Terrazzo Finisher 4 8,332,912 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heawy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heawy And Highway Mork) (Specia Tunnel/Underground (Operating Engineer-Heawy And Highway Mork) (Specia Tunnel/Underground (Operating Engineer-Heawy And Highway Mork) (Specia Tunnel/Underground (Operating Engineer-Heawy And Highway Morker) 17,121 Tunnel/Underground (Operating Engineer-Heawy And Highway Morker) 13,201 Water Well Driller 12,313	Ψ	16,311	-	\$	-
Sprinkler Fitter 128 Marble Finisher 40 Terrazzo Finisher 4 Teamster 8,332,912 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Mork) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Morker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Marter Well Driller 12,313	\$	13,689	206	\$	13,689
Marble Finisher 40 Terrazzo Finisher 44 8,332,912 Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Heavy And Highway Highway Heavy And Highway Highway Heavy And Highway Highway Heavy And Highway Heavy	\$	8,163	-	\$	-
Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Heavy And Highway Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Water Well Driller 12,313	\$	8,769	-	\$	-
Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Heavy And Highway Work) (Specia Tunnel/Underground (Operating Engineer-Heavy And Highway Heavy And Highway Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Water Well Driller 12,313	\$	1,342	-	\$	-
Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 70,393 Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Specia 71,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Water Well Driller 12,313	\$	160	-	\$	-
Teamster 136,065 Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Hig 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Hig 13,201 Water Well Driller 12,313	Ť	330,618,323	40,762	Ť	2,367,872
Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heawy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Highway Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Water Well Driller 12,313		330,010,023	10,702		2,507,672
Driver (On/Off-Hauling To/From Construction Site) 99,641 Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And Highway Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Water Well Driller 12,313	\$	6,427,969	-	\$	
Operating Engineer (Heavy And Highway Work) (Specia 95,289 Tunnel/Underground (Operating Engineer-Heavy And High 79,393 Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Highway Water Well Driller 12,313	\$	7,473,003	_	\$	-
Tunnel/Underground (Operating Engineer-Heavy And Higham 79,393) Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Higham 13,201) Water Well Driller 12,313		4,512,513	-	\$	
Asbestos Removal Worker (Laborer) 17,121 Tunnel/Underground (Operating Engineer-Heavy And Hig 13,201 Water Well Driller 12,313		, ,	-		
Tunnel/Underground (Operating Engineer-Heavy And Hig 13,201 Water Well Driller 12,313	\$	3,676,393	-	\$	-
Water Well Driller 12,313		437,612	-	\$	-
·	\$	590,532	-	\$	-
	\$	608,914	-	\$	-
Tree Trimmer (High Voltage Line Clearance) 1,422		36,006	-	\$	-
Telecommunications Technician 1,160	\$	37,245	-	\$	-
Landscape Maintenance Laborer 1,131	\$	32,404	-	\$	-
Steel Erector And Fabricator (Operating Engineer - Hea 1,123	\$	56,467	-	\$	-
Traffic Control/Lane Closure (Laborer) 888	\$	31,991	-	\$	-
Dredger Operating Engineer 831	\$	33,307	-	\$	-
Operating Engineer (Building Construction) 635	\$	24,810	-	\$	-
Slurry Seal Worker 592	\$	17,811	-	\$	-
Parking And Highway Improvement Painter (Painter) 247	\$	10,082	-	\$	-
Ironworker (Db)		2,772	-	\$	-
Teamster (Special Single Shift Rate)	\$		-	\$	-
Total Non-Apprenticeable 461,141	\$	291 1	-	\$	_
Total Apprenticable 8,332,912	\$	291 24.010.122		\$	2,367,872
Total WSIP PLA 8,794,053	\$	24,010,122 330,618,323	40,762	<u> </u>	_,557,572

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

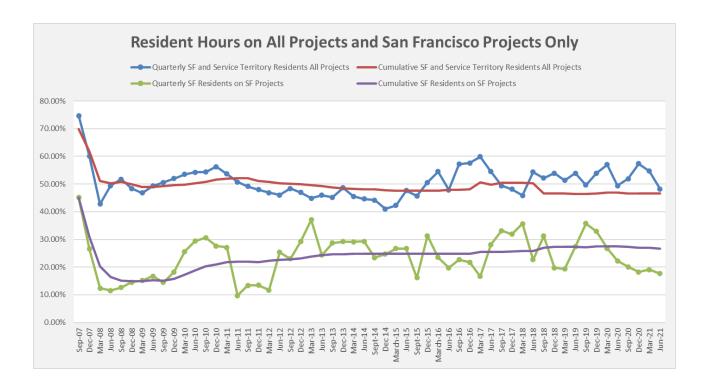




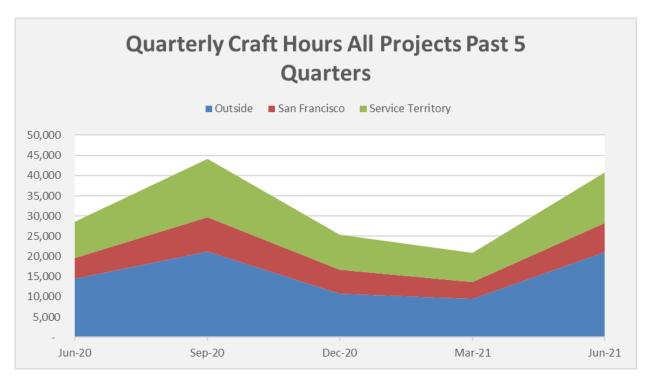
Worker Residence on the WSIP PLA

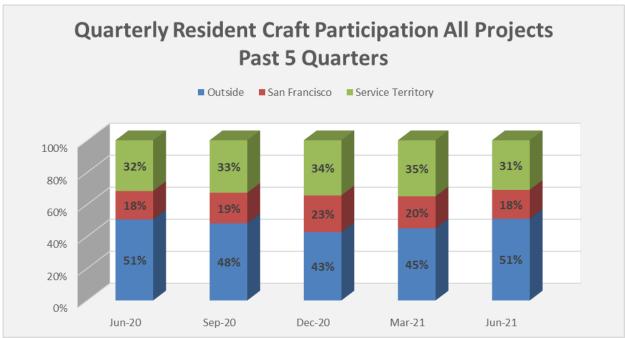
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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

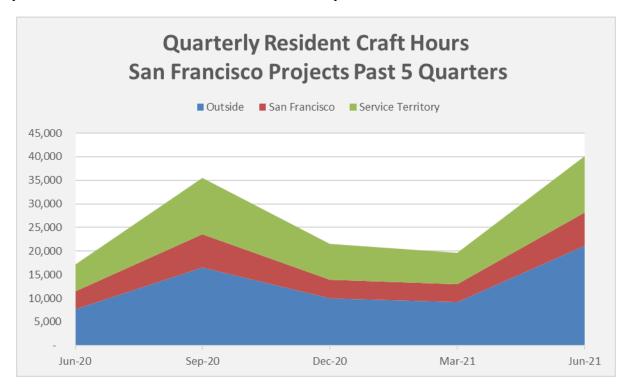


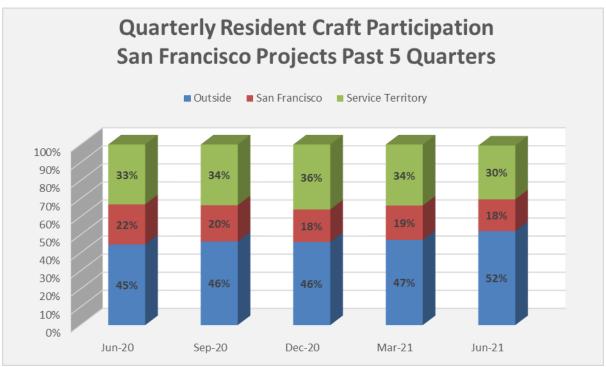
<u>Residence on ALL WSIP PLA Projects</u> - Charted are 59 of the 59 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



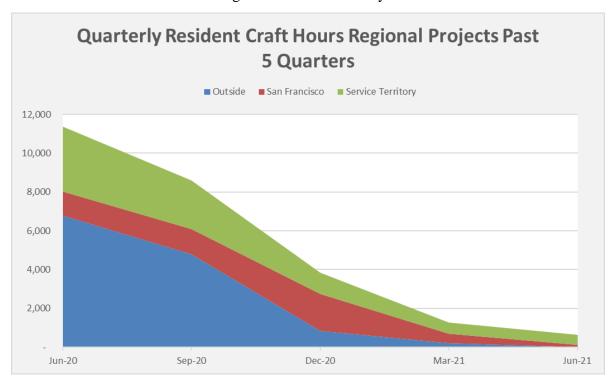


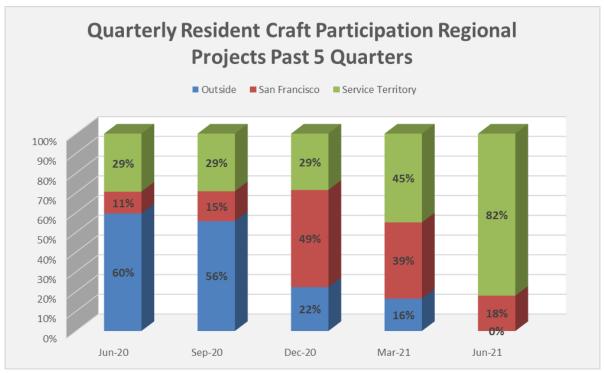
<u>Residence on San Francisco-located WSIP PLA Projects</u> - Charted are the 18 projects covered by the WSIP PLA located within San Francisco only.





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





Residence by County

Sorted by Total Craft Hours

Sorted by Total Craft Hours	WSIP-PLA Employment by Top 20 Counties of Residence Inception Through June 30, 2021											
County	Total Craft Hours		Wages	% Craft Hours	Worker Count	FTE						
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						
San Francisco County	642,414	\$	25,299,722	7.3%	1,493	309						
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						
Top 20 Counties by Hours	7,869,864	\$	313,523,302	89.5%	14,361	3,784						
All Other Counties	924,189	\$	41,105,142	10.5%	1,577	444						
WSIP-PLA Total	8,794,053	\$	354,628,445	100.0%	15,938	4,208						

San Francisco Residents by Zip Code

Sorted by Total Craft Hours

ted by Total Craft Hours	Fmployme	 by San Francis	co Zin Code		
		Through June 3	•		
		 	tal Workers		
San Francisco Zip Codes	Total Craft	14/	% Total Craft	Worker	FTF
	Hours	Wages	Hours	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
Total	642,414	\$ 25,299,722	100.0%	1,493	309
WSIP-PLA Total	8,794,053	\$ 354,628,445	-	15,938	4,228

Residence by Craft

Sorted by Total Hours

	Cumu		nent of Residents ough June 30, 2021	By Craft			
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%
Total Apprenticeable	5,331,039	374,272	1,930,685	3,026,083	7.0%	36.2%	56.8%
Laborer	3,001,873	239,731	1,292,218	1,469,924	8.0%	43.0%	49.0%
Non-Apprenticeable							
Teamster	136,065	9,147	80,249	46,669	6.7%	59.0%	34.3%
Driver (On/Off-Hauling To/From Construction	99,641	18,062	65,758	15,821	18.1%	66.0%	15.9%
Operating Engineer (Heavy And Highway Wo	95,289	-	38,906	56,383	0.0%	40.8%	59.2%
Tunnel/Underground (Operating Engineer-He	79,393	70	34,872	44,451	0.1%	43.9%	56.0%
Asbestos Removal Worker (Laborer)	17,121	951	2,161	14,009	5.6%	12.6%	81.8%
Tunnel/Underground (Operating Engineer-He	13,201	-	3,832	9,369	0.0%	29.0%	71.0%
Water Well Driller	12,313	-	7,177	5,136	0.0%	58.3%	41.7%
Tree Trimmer (High Voltage Line Clearance)	1,422	32	1,191	199	2.3%	83.8%	14.0%
Telecommunications Technician	1,160	-	1,088	72	0.0%	93.8%	6.2%
Landscape Maintenance Laborer	1,131	16	614	501	1.4%	54.3%	44.3%
Steel Erector And Fabricator (Operating Eng	1,123	-	282	841	0.0%	25.1%	74.9%
Traffic Control/Lane Closure (Laborer)	888	-	691	198	0.0%	77.8%	22.2%
Dredger Operating Engineer	831	-	-	831	0.0%	0.0%	100.0%
Operating Engineer (Building Construction)	635	133	229	273	20.9%	36.1%	43.0%
Slurry Seal Worker	592	-	337	255	0.0%	56.9%	43.1%
Parking And Highway Improvement Painter (247	-	165	82	0.0%	66.8%	33.2%
Ironworker (Db)	80	-	24	56	0.0%	30.0%	70.0%
Teamster (Special Single Shift Rate)	11	-		11	0.0%	0.0%	100.0%
Total Non-Apprenticeable	461,141	28,411	237,576	195,154	6.2%	51.5%	42.3%
Total WSIP PLA	8,794,053	642,414	3,460,479	4,691,160	7.3%	39.4%	53.3%

Residence by Project

Sorted by Total Hours

Employment Summa Craft En	ary - Cumulativ			by Project			
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 Upgr	489,160	25,325	193,302	270,533	5.2%	39.5%	55.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Re	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 Proiect	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 WD-2654R - Peninsula Vegetation Removal	30,565 30,464	5,928 4,839	3,099 9,727	21,538 15,897	19.4% 15.9%	10.1% 31.9%	70.5% 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-2603 - Harding Park Recycled Water Proiect	22,727	4,776	12,625	5,327	21.0%	55.6%	23.4%
WD-2651R - Peninsula 2011 Watershed Compensation	22,727	557	10,940	11,072	2.5%	48.5%	49.1%
WD-2529 - Noe Valley Transmission Main - Phase II	22,509	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		19.6%	12.0%	68.4%
WD-2566 - San Antonio Pump Station Upgrades Project	14,916	101	11,948	2,868		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 C	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%
Total WSIP PLA		642,414			7.3%	39.4%	53.3%

Apprentice Utilization

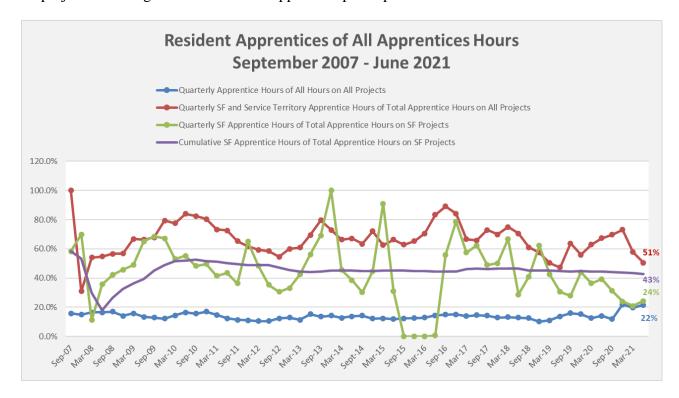
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

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

Sorted by Total Craft Hot			Apprentice Hours			Арр	rentice Utiliza	tion	Resident Apprentice %		
Craft	Total Hours	Total Apprentice Hours	San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - Operating Engineer	1,858,330	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 Insula	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	-	-	-	-						
Sub-Total Apprenticeable	5,331,039	704,734	133,671	327,352	243,710	13.2%	2.5%	6.1%	19.0%	46.5%	34.6%
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%
Total Apprenticeable	8,332,912	1,110,566	180,397	589,220	340,949	13.3%	2.2%	7.1%	16.2%	53.1%	30.7%
Total Non-Apprenticeable	461,141										
Total WSIP - Covered by PLA	8,794,053										

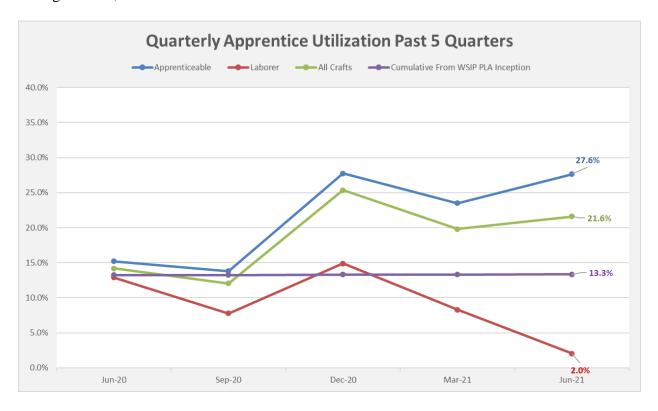
For the three months ending June 30, 2021, 24% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the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



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%.

CS-936 - AMI 227,027		WSIP -		n Through June 30						
CS-936 - AMI CS-936 - AMI WD-259 - Fish Passage Facil WD-259 - University Mound R WD-2539 - University Mound R WD-2573 - Pulgas Balancing R WD-2673 - Pulgas Balancing R WD-2673 - Pulgas Balancing R WD-2674 R - Habitat Resence P WD-268 - Regional Groundwa WD-268 - Regional Groundwa WD-269 - SF Groundwater Su WD-2798 - SF Westside Recy HH-914R - Roselle Crossover Ir DB-116 - Tesla Treatment Facil WD-269 - Forest Knolls Pump WD-269 - Forest Knolls Pump WD-2598 - SCADA System Ph WD-2599 - SCADA System Ph WD-2599 - SCADA System Ph WD-2599 - SCADA System Ph WD-2548 - Lake Merced Pump WD-2575 - San Andreas Pipelin WD-2618 - SF Groundwater Su WD-2575 - San Andreas Pipelin WD-2621R - SF Groundwater Su WD-2628 - Sunol Valley Water WD-2568 - BDPL Nos. 3&4 Cr WD-2591 - Lower Crystal Spring WD-2691 - Lower Crystal Spring WD-2691 - Lower Crystal Spring WD-269 - Seismic Upgrade of WD-2691 - Lower Crystal Spring WD-269 - Seismic Upgrade of WD-2691 - Lower Crystal Spring WD-269 - Seismic Upgrade of WD-2601 - Crystal Spring Pig WD-2591 - Lower Crystal Spring WD-2560 - San Antonio Pump WD-2561 - San Joaquin Pipelin WD-2656 - San Antonio Pump WD-2566 - San Antonio Pump WD-2662 - San Joaquin Pipelin HH-935 - San Joaquin Pipelin WD-2622 - Sei Groundwater Su WD-2663 - Harding Park Recy WD-2564 - HTWTP - Short Ten WD-2664 - HTWTP - Short Ten WD-2654 - Bay Division Pipelin WD-2664 - Bay Division Pipelin WD-2665 - Baden and San Pec WD-2566 - Baden and San Pec WD-2566 - Baden and San Pec WD-2566 - Baden and San Pec WD-2568 - Baden and San Pec WD-2668 - BHR - San Antonio HD-2668 - BHR - San Antonio WD-2669 - Baden and San Pec WD-2566 - Baden and San Pec WD-2567 - Baden and San Pec WD-2568 - Baden and San Pec WD-2568 - Baden and San Pec WD-2668 - BHR - San Antonio HD-2669 - BHR - S		A !!		Apprentice	Utilization By Pr	-				0/
Section	Hours of	Total Non- Apprenticeable Hours		Total Apprenticeable and Laborer		Apprentice Laborer	Total Apprentice Hours	Annrenticeable	ntice Utilization Apprentice Laborer %	Total Apprentice %
WD-2729 - Fish Passage Facil WD-2504 - Stanford Heights Re WD-2539 - University Mound R WD-2776 - SF Westside Recy WD-2776 - SF Westside Recy WD-2673 - Pulgas Balancing R S0,367 WD-2627R - Sutro Reservoir R WD-2668 - Regional Groundwa WD-2809 - SF Groundwater St WD-2668 - Regional Groundwa WD-2809 - SF Groundwater St WD-2798 - SF Westside Recy WD-2798 - SF Westside Recy WD-2798 - SF Westside Recy WD-2692 - Serset Knolls Pump WD-2692 - Forest Knolls Pump WD-2696 - HTWTP Long-Term JD-2569 - HTWTP Long-Term JD-2651R - Peninsula 2011 W WD-2589 - SCADA System Ph WD-2640 - Bioregional Habitat WD-2555 - Crystal Springs Pir WD-2555 - Crystal Springs Pir WD-2555 - San Antonio Backu WD-2575 - San Antonio Backu WD-2621R - SF Groundwater St WD-2588 - BDPL Nos. 3&4 Cr WD-2591 - Lower Crystal Spring WD-2621R - SF Groundwater St WD-2628 - BDPL Nos. 3&4 Cr WD-2591 - Lower Crystal Spring WD-2629 - Seismic Upgrade of WD-2601 - Crystal Springs / St WD-2566 - San Antonio Pump WD-2556 - San Antonio Pump WD-2556 - San Antonio Pump WD-2556 - San Antonio Pump WD-2560 - San Antonio Pump WD-2560 - San Antonio Pump WD-2591 - Lower Crystal Spring WD-2629 - Seismic Upgrade of WD-2564 - Bay Division Pipelin WD-2556 - San Antonio Pump WD-2556 - Baden and San Pec WD-2566 - Baden and San Pec WD-2561 - Ray Division Pipelin WD-2562 - BHR - San Antonio WD-2622 - BHR - San Antonio WD-2623 - Harding Park Recy WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Pec WD-2564 - Bay Division Pipelin WD-2566 - Baden and San Pec WD-25	aues	Hours		Hours		Hours	Hours			
WD-2504 - Stanford Heights Re WD-2539 - University Mound R WD-2776 - SF Westside Recyt WD-2673 - Pulgas Balancing R 50,367 WD-2627R - Sutro Reservoir Re WD-26681 - Regional Groundwa WD-2609 - SF Groundwater St WD-2688 - Regional Groundwa WD-2809 - SF Groundwater St WD-2798 - SF Westside Recyt WD-2798 - SF Westside Recyt WD-2689 - Forest Knolls Pump WD-2689 - Forest Knolls Pump WD-2689 - HTWTP Long-Term 1,013,848 WD-2589 - SCADA System Ph WD-2569 - Crystal Springs Pli WD-2575 - San Antonio Backu WD-2575 - San Antonio Backu WD-2575 - San Antonio Backu WD-2581 - Sunor Voltage Springs WD-2621 - Ser Groundwater St WD-2628 - Lake Merced Pump WD-2568 - BDPL Nos. 3&4 Crc WD-2591 - Lower Crystal Spring WD-2629 - Seismic Upgrade of WD-2564 - Bay Division Pipelin HH-935 - San Joaquin Pipelin WD-2566 - San Antonio Pump WD-2566 - San Antonio Pump WD-2596 - San Antonio Pump WD-2591 - Calaveras Dam Rep WD-2566 - San Antonio Pump WD-2566 - San Antonio Pump WD-2566 - San Antonio Pump WD-2564 - Bay Division Pipelin WD-2566 - San Antonio Pump WD-2567 - San Santonio Pipelin WD-2568 - San Joaquin Pipelin WD-2568 - San Antonio Pipelin WD-2568 - San Sep Pipe	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
WD-2539 - University Mound R WD-2776 - SF Westside Recyv WD-2573 - Pulgas Balancing R WD-2627R - Sutro Reservoir Re WD-2641R - Habitat Reserve P WD-2668 - Regional Groundwa WD-2608 - SF Groundwater Su WD-2798 - SF Westside Recyv HH-914R - Roselle Crossover Ir 12,859 DB-116 - Tesla Treatment Facil WD-2689 - Forest Knolls Pump WD-2582 - Sunol Valley Water WD-2582 - Sunol Valley Water WD-2589 - SCADA System Ph WD-25640 - Bioregional Habitat WD-2555 - Crystal Springs Pl WD-2555 - Crystal Springs Pl WD-2577 - Peninsula Pipeline WD-2578 - San Antonio Backu WD-2618 - Ser Groundwater S WD-2621R - SF Groundwater S WD-2621R - SF Groundwater S WD-2639 - New Crystal Spring WD-2621R - SF Groundwater S WD-2591 - Lower Crystal Spring WD-2629 - Seismic Upgrade of WD-2561 - Bay Division Pipelin WD-2561 - Calaveras Dam Rep WD-2561 - Bay Davision Pipelin WD-2561 - Baden and San Pec WD-2562 - Balfe - San Antonio WD-2623 - Harding Park Recyc WD-2563 - Bay Division Pipelin WD-2624 - Bay Division Pipelin WD-2652 - BHR - San Antonio WD-2625 - Baden and San Pec WD-2561 - Bay Division Pipelin WD-2651 - Bay Division Pipelin WD-2652 - BHR - San Antonio WD-2653 - Bay Division Pipelin WD-2654 - Bay Division Pipelin WD-2654 - Bay Division Pipelin WD-2655 - Baden and San Pec WD-2561 - Bay Division Pipelin WD-2652 - BHR - San Antonio HH-9355 - San Joaquin Pipelin WD-2654 - Bay Division Pipelin WD-2656 - Baden and San Pec WD-2561 - Bay Division Pipelin WD-2666 - BhR - Sheep Camp WD-2654 - Bay Division Pipelin WD-2666 - BhR - Sheep Camp WD-2651 - Alemany Pump Sta WD-2651 - Alemany Pump Sta WD-2551 - Alemany Pump Sta WD-2551 - Alemany Pump Sta	110,939	6,045	47,786	158,725	25,982	4,511	30,493	23.4%	9.4%	
WD-2776 - SF Westside Recyt 198,300 WD-2573 - Pulgas Balancing R 50,367 WD-2627R - Sutro Reservoir Re 154,545 WD-2668 - Regional Groundwa 153,738 WD-2669 - Regional Groundwa 30,565 WD-2798 - SF Groundwater Su 30,565 WD-2798 - SF Westside Recyt 38,039 HH-914R - Roselle Crossover Ir 12,859 DB-116 - Tesla Treatment Facil 141,910 WD-2589 - Forest Knolls Pump 26,553 WD-2589 - Forest Knolls Pump 26,553 WD-2589 - Forest Knolls Pump 462,423 WD-2589 - SCADA System Pr 1,013,848 WD-2589 - SCADA System Pr 1,498 WD-2589 - SCADA System Pr 1,498 WD-2581 - Bioregional Habitat 10,621 WD-2583 - SCADA System Pr 1,498 WD-2548 - Lake Merced Pump 101,050 WD-2727 - Peninsula Pipeline 69,772 WD-2575 - San Antonio Backu 75,263 WD-2581 - Ser Groundwater S 52,623 WD-2521 - Ser Groundwater S 52,623 WD-2521 - Ser Jower Crystal Spring 47,910	40,444	-	33,851	74,294	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2573 - Pulgas Balancing R 50,367 WD-2627R - Sutro Reservoir Revelocetal Reserve P 44,018 WD-2668 - Regional Groundwa 44,018 WD-2668 - Regional Groundwa 30,565 WD-2798 - SF Westside Recythell Pulper Personal P	106,316 161,742	1,199	79,502 36,426	185,818 198,168	23,851	6,500	30,350 38,025	22.4%	8.2% 5.1%	16.3% 19.2%
WD-2627R - Sutro Reservoir R 154,545 WD-2641R - Habitat Reserve P 44,018 WD-2668 - Regional Groundwa 163,738 WD-2809 - SF Groundwater St 30,565 WD-2798 - SF Westside Recyd 12,859 DB-116 - Tesla Treatment Facil 141,910 WD-2699 - Forest Knolls Pump 26,553 WD-2596 - HTWTP Long-Term 1,013,848 WD-2596 - HTWTP Long-Term 1,013,848 WD-2691 R - Peninsula 2011 W 22,569 WD-2589 - SCADA System PH 1,488 WD-2694 O - Bioregional Habitat 10,621 WD-2555 - Crystal Springs Pit 127,763 WD-2548 - Lake Merced Pump 101,050 WD-2575 - San Antonio Backu 75,263 WD-2571 - San Antonio Backu 75,263 WD-2621R - SF Groundwater Spelit 83,503 WD-2586 - BDPL Nos. 3&4 Cr 77,263 WD-2591 - Lower Crystal Spring 82,209 WD-2591 - Lower Crystal Spring 82,209 WD-2591 - Lower Crystal Spring 88,562 WD-2591 - Lower Crystal Spring 88,562 WD-2591 - Sea Portal Protectic 11,512<	35,362	133 310	14,695	50,056	36,179 7,144	1,846 673	7,817	22.4% 20.2%	4.6%	15.6%
WD-2641R - Habitat Resene P 44,018 WD-2668 - Regional Groundwa 163,738 WD-2809 - SF Groundwater Su 30,565 WD-2798 - SF Westside Recyd 38,039 HH-1914R - Roselle Crossover Ir 12,859 DB-116 - Tesla Treatment Facil 141,910 WD-2689 - Forest Knolls Pump 26,553 WD-2582 - Sunol Valley Water 462,423 WD-2589 - SCADA System Ph 1,013,848 WD-2589 - SCADA System Ph 1,498 WD-2584 - Lake Merced Pump 10,621 WD-2555 - Crystal Springs Pl; 101,050 WD-2572 - Peninsula Pipeline Ph 69,772 WD-2575 - San Antonio Backu 75,263 WD-2575 - San Antonio Backu 75,263 WD-2581 - Springs Ph 8,209 WD-2627 - Seismic Upgrade of WD-2628 - BDPL Nos. 384 Cr 47,910 WD-2591 - Lower Crystal Spring 98,562 </td <td>77,338</td> <td>8,900</td> <td>68,308</td> <td>145,645</td> <td>15,391</td> <td>5,248</td> <td>20,639</td> <td>19.9%</td> <td>7.7%</td> <td>14.2%</td>	77,338	8,900	68,308	145,645	15,391	5,248	20,639	19.9%	7.7%	14.2%
WD-2668 - Regional Groundwa WD-2809 - SF Groundwater Su WD-2798 - SF Westside Recy H1-914R - Roselle Crossover Ir DB-116 - Tesla Treatment Facil WD-2469 - Forest Knolls Pump WD-2562 - Sunol Valley Water WD-2569 - HTWTP Long-Term WD-2569 - HTWTP Long-Term WD-2569 - SCADA System Ph 1,498 WD-2661 - Peninsula 2011 W WD-2569 - SCADA System Ph 1,498 WD-2640 - Bioregional Habitat WD-2555 - Crystal Springs Pir WD-2575 - San Antonio Backu WD-2575 - San Antonio Backu WD-2575 - San Andreas Pipelir WD-2575 - San Andreas Pipelir WD-2589 - Sew Crystal Spring WD-2621R - SF Groundwater S WD-2698 - New Crystal Spring WD-25282 - Lower Crystal Spring WD-2591 - Lower Crystal Spring WD-2699 - Seismic Upgrade of WD-2601 - Crystal Spring WD-2659 - San Antonio Pump WD-2561 - Calaveras Dam Rep WD-2561 - Calaveras Dam Rep WD-2561 - Calaveras Dam Rep WD-2564 - HTWTP - Short Ter WD-2625 - Banden and San Pee WD-2625 - Bard and San Pee WD-2626 - Band San Pee WD-2626 - Band San Pee WD-2626 - Band San Pee WD-2626 - Bard Natonio Pipelin WD-2626 - Banden and San Pee WD-2626 - Banden and San Pee WD-2626 - Bard Natonio WD-2626 - Bard Natonio WD-2626 - Bard Natonio WD-2631 - Reside Recy WD-2632 - Harding Park Recy WD-2633 - Harding Park Recy WD-2634 - Bay Division Pipelin WD-2636 - Band Natonio WD-2631 - Rew Invigoton Tunne WD-2622 - BHR - San Antonio WD-2631 - Bay Division Pipelin WD-2666 - BHR - Sene Camp WD-2666 -	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
WD-2798 - SF Westside Recyt HH-914R - Roselle Crossover Ir 12,859 DB-116 - Tesia Treatment Faci WD-2469 - Forest Knolls Pump WD-2569 - Sorost Nolls Pump WD-2569 - HTWTP Long-Term WD-2569 - HTWTP Long-Term WD-2569 - SCADA System Ph WD-2569 - Sorost Nostem Ph WD-2569 - Sorost Nostem Ph WD-2569 - Sorost Nostem Ph WD-2569 - Crystal Springs Pig WD-2569 - Crystal Springs Pig WD-2569 - Crystal Springs Pig WD-2575 - San Andreas Pipelin WD-2575 - San Andreas Pipelin WD-2575 - San Sorost Nostem Ph WD-2575 - San Sorost Nostem Ph WD-2575 - San Sorost Nostem Ph WD-2575 - San Andreas Pipelin WD-2591 - Sorost Nostem Ph WD-2591 - Lower Crystal Spring WD-2698 - BDPL Nos. 3&4 Cr WD-2591 - Lower Crystal Spring WD-2591 - Lower Crystal Spring WD-2591 - Lower Crystal Spring WD-2501 - Crystal Springs / Si WD-2501 - Crystal Springs / Si WD-251 - San Joaquin Pipelin WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-2569 - San Joaquin Pipelin WD-2569 - Baden and San Pec WD-2561 - Rosen Mortonio WD-2622 - BFR - San Antonio WD-2622 - BHR - San Antonio WD-2623 - Harding Park Recyc WD-2561 - Baden and San Pec WD-2564 - Baden and San Pec WD-2566	102,600	1,079	60,059	162,659	18,467	7,391	25,858	18.0%	12.3%	15.9%
HH-914R - Roselle Crossover Ir DB-116 - Tesla Treatment Facil WD-2469 - Forest Knolls Pump WD-2582 - Sunol Valley Water WD-2596 - HTWTP Long-Term 1,013,848 WD-2651R - Peninsula 2011 W WD-2598 - SCADA System Ph WD-2640 - Bioregional Habitat WD-2555 - Crystal Springs Pit WD-2555 - Crystal Springs Pit WD-2555 - Crystal Springs Pit WD-2556 - San Antonio Backu WD-2577 - Peninsula Pipeline WD-2777 - Peninsula Pipeline WD-2773 - San Andreas Pipeli WD-2513 - San Andreas Pipeli WD-2618 - SF Groundwater S S2,623 WD-2498 - New Crystal Spring WD-2621R - SF Groundwater S S2,623 WD-2498 - New Crystal Spring WD-2628 - Lower Crystal Spring WD-2628 - BDPL Nos. 384 Cr WD-2591 - Lower Crystal Sprin WD-2601 - Crystal Spring S/S WD-2541 - Bay Division Pipelin HH-935 - San Joaquin Pipelin WD-2556 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2565 - San Antonio WD-2622 - SF Groundwater Su WD-2561 - Rower Short Term WD-2623 - Harding Park Recy WD-2563 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Ped WD-2564 - Bay Division Pipelin WD-2565 - Bay Division Pipelin WD-2566 - Bard - San Joaquin Pipelin WD-2567 - Bay Division Pipelin WD-2568 - Bay Division Pipelin WD-2568 - Bay Division Pipelin WD-2566 - Bard - San Joaquin Pipelin WD-2567 - Bay Division Pipelin WD-2568 - Bay Division Pipelin WD-2568 - Bay Division Pipelin WD-2567 - Bay Division Pipelin WD-2568 - Bay Division Pipelin WD-2567 - Paninsula Vegetat WD-2561 - Alemany Pump Sta WD-2551 - Standby Power Fac	15,063	-	15,502	30,565	2,666	633	3,299	17.7%	4.1%	10.8%
DB-116 - Tesla Treatment Facil WD-2469 - Forest Knolls Pump WD-2562 - Sunol Valley Water WD-2566 - HTWTP Long-Term WD-2567 - Peninsula 2011 W WD-2589 - SCADA System Ph WD-2581 - Lake Merced Pump WD-2577 - Peninsula Pipeline WD-2575 - San Antonio Backu WD-2513 - San Andreas Pipeli WD-26218 - SF Groundwater S WD-26218 - SF Groundwater S WD-2631 - San Andreas Pipeli WD-2693 - New Crystal Spring WD-2563 - BDPL Nos. 384 Crc WD-2591 - Lower Crystal Spring WD-2569 - Seismic Upgrade of WD-2569 - Seismic Upgrade of WD-2569 - Seismic Upgrade of WD-2561 - Calaveras Dam Rep WD-2564 - HTWTP - Short Tem WD-2652 - BHR - San Antonio HH-9356 - San Joaquin Pipelin WD-2562 - BHR - San Antonio HH-9358 - San Joaquin Pipelin WD-2561 - Bay Division Pipelir WD-2561 - Bay Division Pipelir WD-2563 - Baden and San Pec WD-2564 - Bay Division Pipelir WD-2563 - Bay Division Pipelir WD-2561 - Bay Division Pipelir WD-2563 - Bay Division Pipelir WD-2564 - Bay Division Pipelir WD-2565 - Bay Division Pipelir WD-2566 - Bay Division Pipelir WD-2567 - San Andreas Pipe WD-2568 - Bay Division Pipelir WD-2666 - Bar Division Pipelir WD-2666 - Bar Division Pipelir WD-2667 - Bay Division Pipelir WD-2668 - Bay Division Pipelir WD-2667 - Bay Division Pipelir WD-2667 - Bay Division Pipelir WD-2668 - Bay Division Pipelir WD-2667 - Bay Division Pipelir WD-2668 - Bay Division Pipelir	6,652	-	31,387	38,039	1,170	6,085	7,255	17.6%	19.4%	19.1%
WD-2469 - Forest Knolls Pump WD-2582 - Sunol Valley Water WD-2581 - Peninsula 2011 W WD-2589 - SCADA System Ph 1,498 WD-2640 - Bioregional Habitat WD-2555 - Crystal Springs Pit WD-2575 - San Antonio Backu WD-2578 - New Crystal Spring WD-2621R - SF Groundwater S 52,623 WD-2498 - New Crystal Spring WD-2591 - Lower Crystal Spring WD-2591 - Lower Crystal Spring WD-2629 - Seismic Upgrade of WD-2601 - Crystal Spring WD-2561 - Bay Division Pipelin WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-2564 - HTWTP - Short Ten WD-2623 - Harding Park Recyc WD-2565 - Baden and San Pec WD-2625 - BiR - San Antonio WD-2620 - ShiR - San Joaquin Pipelin WD-2561 - Bay Division Pipelin WD-2662 - BiR - San Antonio WD-2622 - SF Groundwater Su WD-2631 - Bay Division Pipelin WD-2561 - Bay Division Pipelin WD-2561 - Bay Division Pipelin WD-2666 - Bay Division Pipelin WD-2667 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
WD-2582 - Sunol Valley Water WD-2596 - HTWTP Long-Term WD-2596 - HTWTP Long-Term WD-2589 - SCADA System Ph WD-2689 - SCADA System Ph WD-2589 - SCADA System Ph WD-2555 - Crystal Springs Pli WD-2555 - Crystal Springs Pli WD-2576 - San Antonio Backu WD-2576 - San Andreas Pipelin WD-2573 - San Andreas Pipelin WD-2573 - San Andreas Pipelin WD-2674 - New Crystal Spring WD-2621R - SF Groundwater S WD-2698 - BDPL Nos. 3&4 Crc WD-2591 - Lower Crystal Spring WD-2591 - Lower Crystal Spring WD-2591 - Lower Crystal Spring WD-2691 - Lower Crystal Spring WD-2691 - Seismic Upgrade of WD-2501 - Crystal Spring / Si WD-2501 - Crystal Spring / Si WD-2561 - San Antonio Pump WD-2561 - San Antonio Pump WD-2561 - San Joaquin Pipelin HH-935 - San Joaquin Pipelin HH-935C - San Joaquin Pipelin WD-2623 - Harding Park Recy WD-2563 - Baden and San Pec WD-2564 - BHR - San Antonio WD-2622 - SF Groundwater S WD-2591 - New Invington Tunne WD-2623 - Hark - San Antonio WD-2623 - Hark - San Antonio WD-2623 - BHR - San Antonio WD-2623 - BHR - San Antonio WD-2623 - BHR - San Antonio WD-2623 - How Invington Tunne WD-2623 - San Joaquin Pipelin WD-2561 - Baden and San Pec WD-2566 - BHR - San Antonio WD-2623 - How Invington Tunne WD-2623 - How Invington Tunne WD-2624 - Bay Division Pipelin WD-2561 - Bay Division Pipelin WD-2561 - Bay Division Pipelin WD-2561 - Bay Division Pipelin WD-2664 - BHR - San Antonio WD-2624 - Bay Division Pipelin WD-2665 - Bay Division Pipelin WD-2666 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2667 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac	97,738	1,863	42,310	140,047	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2596 - HTWTP Long-Term WD-2651R - Peninsula 2011 W 22,569 WD-2589 - SCADA System Pt 1,498 WD-2640 - Bioregional Habitat WD-2555 - Crystal Springs Pir 27,763 WD-2548 - Lake Merced Pump WD-2727 - Peninsula Pipeline WD-2575 - San Andreas Pipeli WD-2513 - San Andreas Pipeli WD-2613 - San System Pt WD-2614 - San System Pt WD-2628 - Lower Crystal Spring WD-2628 - BDPL Nos. 384 Cr WD-2591 - Lower Crystal Spring WD-2629 - Seismic Upgrade of WD-2601 - Crystal Springs / Ss WD-2564 - Bay Division Pipelin WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-2564 - San Joaquin Pipelin WD-2564 - HTWTP - Short Tern WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Pec WD-2564 - Bay Division Pipelin WD-2565 - Baden and San Pec WD-2565 - Baden and San Pec WD-2565 - Baden and San Pec WD-2561 - New Irvington Tunne WD-2622 - Ser Groundwater Su WD-2581 - New Irvington Tunne WD-2623 - Harding Park Recyc WD-2563 - Baden and San Pec WD-2564 - New Irvington Tunne WD-2562 - BHR - San Antonio 110,655 HH-935B - San Joaquin Pipelin WD-2652 - BHR - San Antonio WD-2663 - Baden and San Pec WD-2561 - Ray Division Pipelin WD-2561 - Baden and San Pec WD-2561 - Ray Division Pipelin WD-2663 - BHR - San Antonio UD-2664 - Bay Division Pipelin WD-2665 - Bay Division Pipelin WD-2665 - Bay Division Pipelin WD-2666 - Bar Division Pipelin WD-2667 - Bay Division Pipelin WD-2668 - Bay Division Pipelin WD-2666 - Bar Division Pipelin WD-2667 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac	17,167	31	9,337	26,504	2,888	19	2,907	16.8%	0.2%	11.0%
WD-2651R - Peninsula 2011 W 22,569 WD-2689 - SCADA System Ph 1,498 WD-2640 - Bioregional Habitat 10,621 WD-2555 - Crystal Springs Pir 127,763 WD-2548 - Lake Merced Pump 101,050 WD-2727 - Peninsula Pipeline 69,772 WD-2575 - San Antonio Backu 75,263 WD-2513 - San Andreas Pipeli 83,503 WD-2514 - SF Groundwater 55,2623 WD-2621R - SF Groundwater 55,2623 WD-2698 - New Crystal Spring 117,821 WD-2629 - Lower Crystal Spring WD-2629 - Lower Crystal Spring WD-2629 - Seismic Upgrade of 47,910 WD-2691 - Crystal Spring 98,562 WD-2591 - Lower Crystal Spring 98,562 WD-2591 - Calaveras Dam Rep 14,916 WD-2501 - Calaveras Dam Rep 14,916 WD-2504 - HmVTP - Short Tem 143,049 WD-2623 - Harding Park Recy 19,393 WD-2564 - Baden and San Per 19,393 WD-2565 - Baden and San Per 19,393 WD-2561 - San Joaquin Pipelin 100,492 WD-2581 - New Irvington Tunne 100,492 WD-2581 - New Irvington Tunne 1730,536 WD-2581 - Bay Division Pipelir 583,318 WD-2629R - San Andreas Pipe 100,492 WD-2665 - Bay Division Pipelir 583,318 WD-2666 - BHR - Sheep Camp 23,492 WD-2561 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	293,860	13,009	155,554	449,414	49,266	19,350	68,616	16.8%	12.4%	15.3%
WD-2589 - SCADA System Ph WD-2640 - Bioregional Habitat WD-2555 - Crystal Springs Pir WD-2554 - Lake Merced Pump WD-2727 - Peninsula Pipeline WD-2727 - Peninsula Pipeline WD-2573 - San Antonio Backu WD-2513 - San Andreas Pipelir WD-2613 - San Andreas Pipelir WD-2621R - SF Groundwater S WD-2498 - New Crystal Spring WD-2622R - Lower Crystal Spring WD-2628 - BDPL Nos. 3&4 Crc WD-2691 - Lower Crystal Sprin WD-2691 - Lower Crystal Sprin WD-2691 - Lower Crystal Sprin WD-2691 - Seismic Upgrade of WD-2601 - Crystal Spring S WD-2666 - San Antonio Pipelir WD-2566 - San Antonio Pipelir WD-2566 - San Antonio Pipelir WD-2551 - Calaveras Dam Rep WD-2797 - SF Westside Recy WD-2797 - SF Westside Recy WD-2564 - HTWTP - Short Ter WD-2656 - Baden and San Per WD-2565 - Baden and San Per WD-2562 - BHR - San Antonio WD-2622 - SF Groundwater Su WD-2593 - Nowl Injelin WD-2563 - Nowl Injelin WD-2662 - BHR - San Antonio WD-2622 - SF Groundwater Su WD-2593 - Nowl Injelin WD-2663 - Bay Division Pipelir WD-2563 - Baden and San Per WD-2665 - Bay Division Pipelir WD-2666 - BHR - San Antonio WD-2631 - Bay Division Pipelir WD-2666 - BHR - San Antonio WD-2631 - Bay Division Pipelir WD-2666 - BHR - San Antonio WD-2631 - Bay Division Pipelir WD-2666 - BHR - Seep Camp WD-2666 - BHR - Sheep Camp WD-2667 - Alemany Pump Sta WD-2661 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2501 - Alemany Pump Sta	675,958	39,423	298,468	974,425	108,428	35,995	144,423	16.0%	12.1%	14.8%
WD-2640 - Bioregional Habitat WD-2555 - Crystal Springs Pir WD-2556 - Crystal Springs Pir WD-2575 - San Antonio Backu WD-26218 - SF Groundwater S WD-26218 - SF Groundwater S WD-26218 - SF Groundwater S WD-26228 - Lower Crystal Spring WD-2628 - BDPL Nos. 384 Crc WD-2639 - Seismic Upgrade of WD-2629 - Seismic Upgrade of WD-2629 - Seismic Upgrade of WD-2641 - Bay Division Pipelir WD-2566 - San Antonio Pump WD-2561 - Calaveras Dam Rep WD-2561 - San Joaquin Pipelin HH-935 - San Joaquin Pipelin HH-9356 - San Joaquin Pipelin WD-2562 - Harding Park Recyc WD-2623 - Harding Park Recyc WD-2565 - Baden and San Pec WD-2625 - BHR - San Antonio WD-2652 - BHR - San Antonio WD-2652 - BHR - San Antonio WD-2652 - BHR - San Antonio WD-2631 - Bay Division Pipelin WD-2561 - Bay Division Pipelin WD-2561 - Bay Division Pipelin WD-2662 - BHR - San Antonio WD-2622 - SF Groundwater Su WD-2631 - Bay Division Pipelin WD-2561 - Bay Division Pipelin WD-2661 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2667 - Bay Division Pipelin WD-2667 - Bay Division Pipelin WD-2668 - BHR - Sheep Camp WD-2668 - Bay Division Pipelin WD-2668 - Bay Division Pipelin WD-2661 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac	4,777	3,239	14,554	19,331	763	2,372	3,135	16.0%	16.3%	16.2%
WD-2555 - Crystal Springs Pir 127,763 WD-2548 - Lake Merced Pump 101,050 WD-2727 - Periinsula Pipeline 69,772 WD-2575 - San Antonio Backu 75,263 WD-2513 - San Andreas Pipeli 83,503 WD-2621R - SF Groundwater S 52,623 WD-2498 - New Crystal Spring 117,821 WD-282R2 - Lower Crystal Spring 8,209 WD-2568 - BDPL Nos. 3&4 Crc 47,910 WD-2569 - Lower Crystal Spring 98,562 WD-2691 - Lower Crystal Spring 98,562 WD-2691 - Lower Crystal Springs / Si 489,160 WD-2601 - Crystal Springs / Si 489,160 WD-2561 - Bay Division Pipelir 11,512 WD-2566 - San Antonion Pump 14,916 WD-2551 - Calaveras Dam Rep 1,532,134 WD-2573 - SF Westside Recyd 37,490 HH-935 - San Joaquin Pipelin 143,988 WD-2623 - Harding Park Recyd 22,727 WD-2566 - Baden and San Ped 19,939 WD-2556 - Baden and San Ped 19,939 WD-2525 - BHR - San Antonio 110,655 HH-935B - San Joaquin Pipelin <td< td=""><td>728 4,487</td><td>813</td><td>771 5,321</td><td>1,498 9,809</td><td>115 701</td><td>914</td><td>115 1,615</td><td>15.8% 15.6%</td><td>0.0% 17.2%</td><td>7.7% 16.5%</td></td<>	728 4,487	813	771 5,321	1,498 9,809	115 701	914	115 1,615	15.8% 15.6%	0.0% 17.2%	7.7% 16.5%
WD-2548 - Lake Merced Pump WD-2727 - Peninsula Pipeline : 69,772 WD-2575 - San Antonio Back : 75,263 WD-26218 - SF Groundwater : 52,623 WD-2628 - BDPL Nos. 3&4 Cr WD-2591 - Lower Crystal Spring WD-2629 - Seismic Upgrade of 44,910 WD-2601 - Crystal Spring / Si WD-2629 - Seismic Upgrade of 489,160 WD-2541 - Bay Division Pipelin 208,058 HH-953 - Tesla Portal Protectic 11,512 WD-2566 - San Antonio Pump 44,916 WD-2551 - Calaveras Dam Rep 41,532,134 WD-2797 - SF Westside Recy 47,490 HH-935A - San Joaquin Pipelin 43,049 WD-2623 - Harding Park Recy 41,398 WD-2556 - Baden and San Pec 41,3049 WD-2624 - Bay Division Pipelin 100,492 WD-2581 - New Irvington Tunne 730,536 WD-2581 - New Irvington Tunne 730,536 WD-2528 - San Antonio 110,655 HH-935B - San Joaquin Pipelin 100,492 WD-2581 - New Irvington Tunne 730,536 WD-2621 - Bay Division Pipelin 100,492 WD-2581 - Bay Division Pipelin 21,967 WD-2665 - Bay Division Pipelin 21,967 WD-2666 - BHR - Sheep Camp 23,492 WD-2561 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	49,074	9,202	68,958	118,032	7,559	5,394	12,953	15.4%	7.8%	11.0%
WD-2727 - Peninsula Pipeline	72,875	1,672	26,504	99,378	10,670	137	10,807	14.6%	0.5%	10.9%
WD-2575 - San Antonio Backu WD-2513 - San Andreas Pipelir 83,503 WD-2621R - SF Groundwater S WD-2498 - New Crystal Spring WD-262R2 - Lower Crystal Spring WD-262R2 - Lower Crystal Spring WD-252R2 - Lower Crystal Sprin WD-2591 - Lower Crystal Sprin WD-2591 - Lower Crystal Sprin WD-2691 - Crystal Spring WD-2601 - Crystal Spring WD-2611 - Bay Division Pipelir WD-2561 - Bay Division Pipelir WD-2566 - San Antonio Pump WD-2561 - Calaveras Dam Rep WD-2797 - SF Westside Recy WD-2797 - SF Westside Recy WD-2797 - SF Westside Recy WD-2564 - HTWTP - Short Terr WD-2623 - Harding Park Recy WD-2565 - Baden and San Per WD-2565 - Baden and San Per WD-2562 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2652 - SF Groundwater Su WD-2622 - SF Groundwater Su WD-2631 - New Invington Tunne WD-2623 - San Joaquin Pipelin WD-262 - SF Groundwater Su WD-2631 - New Invington Tunne WD-2623 - San Joaquin Pipelin WD-2631 - San Joaquin Pipelin WD-2665 - Bay Division Pipelir WD-2666 - SHR - Sen Antonio UD-2501 - San Joaquin Pipelin WD-2666 - SHR - Sen Antonio UD-2631 - San Joaquin Pipelin WD-2666 - San Antonio Pipelin WD-2666 - San Antonio Pipelin WD-2666 - San Sinsion Pipelin WD-2666 - San Sinsion Pipelin WD-2667 - San Joaquin Pipelin WD-2668 - Bay Division Pipelin WD-2667 - San Joaquin Pipelin WD-2668 - Bay Division Pipelin WD-2667 - San Joaquin Pipelin WD-2668 - Bay Division Pipelin WD-2667 - San Joaquin Pipelin WD-2668 - Bay Division Pipelin WD-2668 - Bay Division Pipelin WD-2667 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac	30,072	3,583	36,117	66,189	4,312	7,547	11,858	14.3%	20.9%	17.9%
WD-2513 - San Andreas Pipelii 83,503 WD-2621R - SF Groundwater S 52,623 WD-2498 - New Crystal Spring 117,821 WD-2622R - Lower Crystal Spring 98,562 WD-2591 - Lower Crystal Sprin 98,562 WD-2629 - Seismic Upgrade of 134,349 WD-2601 - Crystal Spring / Sa 489,160 WD-2601 - Crystal Spring / Sa 489,160 WD-2501 - Bay Division Pipelir 208,058 HH-953 - Tesla Portal Protectic 11,512 WD-2566 - San Antonio Pump 14,916 WD-2551 - Calaveras Dam Rep 1,532,134 WD-2797 - SF Westside Recyd 14,349 WD-2797 - SF Westside Recyd 143,988 WD-2564 - HTWTP - Short Terr 43,049 WD-2563 - Harding Park Recyd 22,727 WD-2565 - Baden and San Ped 19,939 WD-2562 - BHR - San Antonio 110,655 HH-935B - San Joaquin Pipelin 100,492 WD-2581 - New Inrigton Tunne WD-2622 - SF Groundwater St 17,782 WD-2563 - North University Mo WD-2561 - Bay Division Pipelir 730,536 WD-2531 - Bay Division Pipelir 730,536 WD-2531 - Bay Division Pipelir 730,536 WD-2531 - Bay Division Pipelir 730,536 WD-2656 - Baden Shispin Pipelir 730,536 WD-2666 - BHR - Sheep Camp WD-2666 - Bay Division Pipelir 21,967 WD-2666 - Bay Division Pipelir 21,967 WD-2666 - Bay Division Pipelir 21,967 WD-2661 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2621R - SF Groundwater S WD-2498 - New Crystal Springs WD-2498 - New Crystal Springs WD-2568 - BDPL Nos. 3&4 Crc 47,910 WD-2569 - Lower Crystal Sprin WD-2699 - Seismic Upgrade of WD-2601 - Crystal Springs / Ss WD-2541 - Bay Division Pipelir H-953 - Tesla Portal Protectic WD-2566 - San Antonio Pump WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-2551 - Swart Springs / Ss WD-2551 - San Joaquin Pipelin HH-935 - San Joaquin Pipelin HH-935 - San Joaquin Pipelin HH-935C - San Joaquin Pipelin WD-2623 - Harding Park Recyc WD-2566 - Baden and San Pec WD-2566 - Baden and San Pec WD-2569 - Baden and San Pec WD-2569 - Baden and San Pec WD-2569 - BHR - San Antonio HD-2662 - SF Groundwater Su WD-2561 - New Irvington Tunne WD-2631 - New Irvington Tunne WD-2631 - New Irvington Tunne WD-2631 - Bay Division Pipelin WD-2531 - Bay Division Pipelin WD-2531 - Bay Division Pipelin WD-2531 - Bay Division Pipelin WD-2651 - BHR - Sheep Camp WD-2665 - Bay Division Pipelin WD-2665 - Bay Division Pipelin WD-2666 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2661 - Alemany Pump Sta WD-2511 - Standby Power Fac 11,275	28,638	11,956	42,909	71,547	3,994	1,133	5,127	13.9%	2.6%	7.2%
WD-2822R2 - Lower Crystal Sp WD-2568 - BDPL Nos. 3&4 Crc WD-2591 - Lower Crystal Sprin WD-2629 - Seismic Upgrade of WD-2629 - Seismic Upgrade of WD-2621 - Crystal Springs / Sz WD-2621 - Bay Division Pipelir WD-2541 - Bay Division Pipelir WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-2797 - SF Westside Recyc HH-935A - San Joaquin Pipelin HH-935C - San Joaquin Pipelin WD-2564 - HTWTP - Short Ter WD-2623 - Harding Park Recyc WD-2565 - Baden and San Pec WD-2565 - Baden and San Pec WD-2562 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2562 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2563 - New Invigoton Tunne WD-2622 - BF Groundwater Su WD-2524 - SF Groundwater Su WD-2531 - Bay Division Pipelir WD-2531 - Bay Division Pipelir WD-2666 - BHR - Sheep Camp WD-2661 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac	31,711	-	20,912	52,623	4,322	1,903	6,225	13.6%	9.1%	11.8%
WD-2568 - BDPL Nos. 3&4 Cr	93,680	12,599	11,543	105,223	12,361	5,252	17,612	13.2%	45.5%	16.7%
WD-2591 - Lower Crystal Sprin WD-2629 - Seismic Upgrade of WD-2601 - Crystal Spring / S WD-2641 - Bay Division Pipelir HH-953 - Tesla Portal Protectic WD-2566 - San Antonio Pump WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-257 - SF Westside Recy HH-935A - San Joaquin Pipelin HH-935C - San Joaquin Pipelin WD-2563 - Harding Park Recy WD-2563 - Harding Park Recy WD-2565 - Baden and San Pec WD-2565 - Baden and San Pec WD-2565 - BaHR - San Antonio HD-2652 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2581 - New Invington Tunne WD-2652 - SF Groundwater Su WD-2531 - Bay Division Pipelir WD-2531 - Bay Division Pipelir WD-2665 - Bay Division Pipelir WD-2665 - Bay Division Pipelir WD-2666 - BHR - Sheep Camp WD-2666 - Bay Division Pipelir WD-2664 - Peninsula Vegetat WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac 11,275	1,889	264	6,057	7,945	235	699	933	12.4%	11.5%	11.7%
WD-2629 - Seismic Upgrade of WD-2601 - Crystal Springs / St 489,160 WD-2614 - Bay Division Pipelin WD-2551 - Calaveras Dam Rep 1,532,134 WD-2797 - SF Westside Recyd HH-935 - San Joaquin Pipelin WD-2666 - San Antonio Pimplin WD-2626 - HTWTP - Short Ten 43,049 WD-2623 - Harding Park Recyd WD-2623 - Harding Park Recyd WD-2556 - Baden and San Ped WD-2556 - Baden and San Ped WD-2562 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2623 - Harding Pipelin WD-2623 - Harding Park Recyd WD-2548 - Bay Division Pipelin WD-2625 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2652 - SF Groundwater Su WD-2543 - North University Mo WD-2631 - Bay Division Pipelin WD-2651 - Bay Division Pipelin WD-2666 - BHR - Sheep Camp WD-2648 - San Andreas Pipe WD-2666 - BHR - Sheep Camp WD-2664 - Peninsula Vegetat WD-2601 - Alemany Pump Sta 4,085 WD-2511 - Standby Power Fac 11,275	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2601 - Crystal Springs / St	41,053	1,162	56,348	97,400	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2541 - Bay Division Pipelir HH-953 - Tesla Portal Protectic UD-2566 - San Antonio Pump WD-2551 - Calaveras Dam Rep HH-935A - San Joaquin Pipelin HH-935A - San Joaquin Pipelin HH-935A - San Joaquin Pipelin HH-935C - San Joaquin Pipelin HH-935C - San Joaquin Pipelin HH-935C - San Joaquin Pipelin WD-2564 - HTWTP - Short Terr WD-2623 - Harding Park Recy WD-2556 - Baden and San Pec WD-2556 - Baden and San Pec WD-2552 - BHR - San Antonio HH-935B - San Joaquin Pipelin HH-935B - San Joaquin Pipelin WD-2622 - SF Groundwater Su WD-2623 - SF Groundwater Su WD-2631 - Bay Division Pipelir WD-2631 - Bay Division Pipelir WD-2636 - BaHR - San Antonio H7,782 WD-2531 - Bay Division Pipelir WD-2666 - Bay Division Pipelir WD-2667 - Peninsula Vegetat WD-2501 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac	73,390	1,511	59,345	132,735	8,297	13,294	21,590	11.3%	22.4%	16.3%
HH-953 - Tesla Portal Protectic WD-2566 - San Antonio Pump WD-2565 - Calaveras Dam Rep WD-2797 - SF Westside Recy HH-935A - San Joaquin Pipelin WD-2564 - HTWTP - Short Ter WD-2623 - Harding Park Recy WD-2556 - Baden and San Pet WD-2562 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2652 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2652 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2652 - SF Groundwater Su WD-2543 - North University Mo WD-2543 - North University Mo WD-2543 - San Andreas Pipe WD-2666 - BHR - Sheep Camp WD-2667 - Alemany Pump Sta WD-2511 - Standby Power Fac 11,275	334,614	23,054	130,839	465,452	37,795	10,916	48,710	11.3%	8.3%	10.5%
WD-2566 - San Antonio Pump WD-2551 - Calaveras Dam Rep WD-2551 - Calaveras Dam Rep WD-2797 - SF Westside Recyd HH-935A - San Joaquin Pipelin HH-935C - San Joaquin Pipelin WD-2564 - HTWTP - Short Ter WD-2623 - Harding Park Recyd WD-2565 - Baden and San Ped WD-2562 - BHR - San Antonio HD-2562 - BHR - San Antonio HD-2581 - New Irvington Tunne WD-2622 - SF Groundwater St WD-2543 - North University Mo WD-2543 - North University Mo WD-2543 - Bay Division Pipelin WD-2665 - Bay Division Pipelin WD-2666 - BHR - Sen Andreas Pipe WD-2666 - BHR - Sen Sen San Jagan WD-2667 - San Andreas Pipe WD-2667 - San Andreas Pipe WD-2666 - BHR - Sheep Camp WD-2664R - Peninsula Vegetat WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac	88,905	12,743	106,351	195,256	10,026	10,170	20,196	11.3%	9.6%	10.3%
WD-2551 - Calaveras Dam Rep 1,532,134 WD-2797 - SF Westside Recyv 37,490 HH-935A - San Joaquin Pipelin 143,988 WD-2664 - HTWTP - Short Ten 43,049 WD-2623 - Harding Park Recyv WD-2556 - Baden and San Pec WD-2542 - Bay Division Pipelin 100,492 WD-2524 - Bay Division Pipelin 100,492 WD-2581 - New Irvington Tunne WD-2622 - SF Groundwater Su WD-2543 - North University Mo WD-2534 - North University Mo WD-2534 - Bay Division Pipelin 533,318 WD-2629 R - San Andreas Pipe WD-2666 - BHR - Sheep Camp WD-2664 R - Peninsula Vegetat WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	4,377 8,241	133 137	7,002 6,539	11,379 14,780	487	2,768 939	3,255 1,798	11.1%	39.5% 14.4%	28.6% 12.2%
WD-2797 - SF Westside Recyc HH-935A - San Joaquin Pipelin HH-935C - San Joaquin Pipelin HH-935C - San Joaquin Pipelin HH-935C - San Joaquin Pipelin H3,988 WD-2664 - HTWTP - Short Ter WD-2656 - Baden and San Pec WD-2566 - Baden and San Pec WD-2565 - Baden and San Pec WD-2652 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2652 - SF Groundwater Su WD-2621 - New Irvington Tunne WD-2622 - SF Groundwater Su WD-2623 - North University Mo WD-2631 - Bay Division Pipelin WD-2666 - Bad Division Pipelin WD-2666 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2668 - Beninsula Vegetat WD-2501 - Alemany Pump Sta WD-2501 - Standby Power Fac 11,275	864,302	36,402	631,430	1,495,733	859 87,917	98,383	186,301	10.4%	15.6%	12.5%
HH-935A - San Joaquin Pipelin HH-935C - Baden and San Pec HH-935C - Baden and San Pec HH-935B - San Antonio HH-935B - San Joaquin Pipelin HH-935B - San Andreas Pipe HH-926B - Bay Division Pipelin HH-935B - San Andreas Pipe HH-935B - San Pivision Pipelin HH-935B - San Andreas Pipe H	16,152	30,402	21,338	37,490	1,615	2,845	4,460	10.2%	13.3%	11.9%
HH-935C - San Joaquin Pipelin WD-2664 - HTWTP - Short Terr WD-2623 - Harding Park Recyd WD-2556 - Baden and San Pet WD-2556 - Baden and San Pet WD-2562 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2652 - New Irvington Tunne WD-2622 - SF Groundwater Su WD-2531 - North University Mo WD-2531 - Bay Division Pipelin WD-2531 - Bay Division Pipelin WD-2666 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2664R - Peninsula Vegetat WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac 11,275	53,744	839	29,900	83,644	5,357	3,652	9,009	10.0%	12.2%	10.8%
WD-2564 - HTWTP - Short Ten WD-2623 - Harding Park Recyc WD-2556 - Baden and San Pec WD-2565 - BHR - San Antonio 110,655 HH-935B - San Joaquin Pipelin WD-2581 - New Irvington Tunne WD-2622 - SF Groundwater SU WD-2531 - North University Mo WD-2543 - North University Mo WD-2543 - North University Mo WD-2666 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2664R - Peninsula Vegetat WD-2501 - Alemany Pump Sta WD-2501 - Alemany Pump Sta WD-2501 - Standby Power Fac 11,275	89,174	1,840	52,974	142,148	8,862	8,401	17,263	9.9%	15.9%	12.1%
WD-2556 - Baden and San Pec WD-2542 - Bay Division Pipelir WD-2652 - BHR - San Antonio HH-935B - San Joaquin Pipelin WD-2681 - New Irvington Tunne WD-2581 - New Irvington Tunne WD-2581 - North University Mo WD-2531 - Bay Division Pipelir WD-2629R - San Andreas Pipe WD-2665 - Bay Division Pipelir WD-2666 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2668 - Peninsula Vegetat WD-2501 - Alemany Pump Sta WD-2501 - Standby Power Fac WD-2511 - Standby Power Fac 11,275	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2542 - Bay Division Pipelin WD-2652 - BHR - San Antonio HIH-935B - San Joaquin Pipelin WD-2651 - New Irvington Tunne WD-2652 - SF Groundwater Su WD-2623 - North University Mo UD-2623 - North University Mo UD-2631 - Bay Division Pipelin WD-2629R - San Andreas Pipe WD-2666 - BHR - Sheep Camp WD-2666 - BHR - Sheep Camp WD-2668 - Peninsula Vegetat WD-2501 - Alemany Pump Sta WD-2501 - Standby Power Fac UD-2511 - Standby Power Fac UD-2611 - Standby Power Fac	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	7.4%
WD-2652 - BHR - San Antonio 110,655 HH-935B - San Joaquin Pipelin 100,492 WD-2581 - New Irvington Tunne 730,536 WD-2622 - SF Groundwater Su 17,782 WD-2531 - Bay Division Pipelin 583,318 WD-2631 - Bay Division Pipelin 583,318 WD-2629R - San Andreas Pipe 36,808 WD-2666 - BHR - Sheep Camp 21,967 WD-2666 - BHR - Sheep Camp 23,492 WD-2604 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
HH-935B - San Joaquin Pipelin 100,492 WD-2581 - New Ivington Tunne 730,536 WD-2622 - SF Groundwater SU 17,782 WD-2531 - Bay Division Pipelin 583,318 WD-2829R - San Andreas Pipe 36,808 WD-26665 - Bay Division Pipelin 21,967 WD-2666 - BHR - Sheep Camp 23,492 WD-2654R - Peninsula Vegetat 30,464 WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	90,020	31,498	166,526	256,546	7,049	19,161	26,210	7.8%	11.5%	10.2%
WD-2581 - New Irvington Tunne 730,536 WD-2622 - SF Groundwater Su 17,782 WD-2543 - North University Mo 53,265 WD-2531 - Bay Division Pipelin 583,318 WD-2829R - San Andreas Pipe WD-2665 - Bav Division Pipelin 21,967 WD-2666 - BHR - Sheep Camp 23,492 WD-2654R - Peninsula Vegetal 30,464 WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac 11,275	19,428	2,526	88,700	108,128	1,492	19,170	20,661	7.7%	21.6%	19.1%
WD-2622 - SF Groundwater Su 17,782 WD-2543 - North University Mo 53,265 WD-2531 - Bay Division Pipelir 583,318 WD-2829R - San Andreas Pipe 36,808 WD-2665 - Bav Division Pipelin 21,967 WD-2666 - BHR - Sheep Camp 23,492 WD-2654R - Peninsula Vegetal 30,464 WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	52,940	11,678	35,627	88,566	4,061	5,243	9,304	7.7%	14.7%	10.5%
WD-2543 - North University Mo WD-2531 - Bay Division Pipelin WD-2629R - San Andreas Pipe 36,808 WD-2665 - Bav Division Pipelin WD-2666 - BHR - Sheep Camp WD-2664R - Peninsula Vegetat WD-2501 - Alemany Pump Sta WD-2511 - Standby Power Fac 11,275	546,830	99,798	83,908	630,738	31,860	19,891	51,750	5.8%	23.7%	8.2%
WD-2531 - Bay Division Pipelin 583,318 WD-2829R - San Andreas Pipe 36,808 WD-2665 - Bav Division Pipelin 21,967 WD-2666 - BHR - Sheep Camp 23,492 WD-2564R - Peninsula Vegetar 30,464 WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2829R - San Andreas Pipe 36,808 WD-2665 - Bav Division Pipelin 21,967 WD-2666 - BHR - Sheep Camp 23,492 WD-2654R - Peninsula Vegetat 30,464 WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	
WD-2665 - Bav Division Pipelin 21,967 WD-2666 - BHR - Sheep Camp 23,492 WD-2654R - Peninsula Vegetar 30,464 WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	412,690 17,242	91,092 1,686	79,463 17,849	492,154 35,090	14,153 512	18,238 2,386	32,391 2,897	3.4%	23.0% 13.4%	6.6% 8.3%
WD-2666 - BHR - Sheep Camp 23,492 WD-2654R - Peninsula Vegetal 30,464 WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	
WD-2654R - Peninsula Vegetai 30,464 WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	16,708	-	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2501 - Alemany Pump Sta 74,085 WD-2511 - Standby Power Fac 11,275	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	54,295	48	19,741	74,037	7,403	223	7,625	0.0%	1.1%	10.3%
WD-2529 - Noe Valley Transmi 22,511	9,046	-	2,230	11,275	626	5,317	5,943	0.0%	238.5%	52.7%
	6,021	2,067	14,423	20,444	-	-	-	0.0%	0.0%	0.0%
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-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 WSIP - Covered by PLA (58 Pr 8,794,053 5,	1,649 , 331,039	459,089	439 3,001,873	8,330,825	704,734	405,832	1,110,566	0.0% 13.2%	0.0% 13.5%	0.0% 13.3%

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



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.

Project	Number
WD 250C Have Trees Water Treetment Dignt Long Term Improvements	Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements WD-2551 - Calaveras Dam Replacement Proiect	2,401 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	212 199
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement HH-935A - San Joaquin Pipeline System - Crossovers	186
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	184
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	180
WD-2513 - San Andreas Pipeline No.3 Installation Project	178
WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed	153
WD-2575 - San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	125
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect	98
WD-2621R - San Francisco Groundwater Supply Well Stations	97
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 - Bioregional Habitat Restoration, San Antonio Creek	90
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
HH-914R - Roselle Crossover Improvements	72
WD-2566 - San Antonio Pump Station Upgrades Project	70
WD-2623 - Harding Park Recycled Water 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 WD-2543 - North University Mound System Upgrade	59 55
WD-2543 - North Onliversity Mound System Opgrade 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 Proiect - 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 Proiect- Test Well Drilling	22
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2798 - San Francisco Westside Recycled Water Pipeline	20
WD-2809 - San Francisco Groundwater Supply Phase 2	10
WD-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	-
	15,222

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.

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.