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WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended September 30, 2015 (First Quarter FY 2015-2016)

San Francisco Public Utilities Commission
Water System Improvement Program Project Labor Agreement
Quarterly Report – First Quarter 2015-2016

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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 WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.004 billion in original contract award through September 30, 2015.

Construction Activity Highlights – Program-to-Date

Contracting:

- Forty-nine (49) construction contracts with a value of \$2.004 Billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 12,289 construction workers were employed for 7,214,029 hours and earned wages of \$280,073,679 on WSIP PLA-covered projects.
- 1,015 San Francisco residents worked 503,244 hours and earned \$18,693,860 on WSIP PLA-Covered Projects representing 7% of covered hours and 242 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. 5,204 residents of the Service Territory earned wages of \$111,226,585 and worked 2,926,136 hours, representing 40.5% of covered hours and 1,407 full-time equivalent worker years.
- 13,293 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of September 30, 2015. 167 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Region of Worker Residence	Inception Through September 30, 2015			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	12,289	7,214,029	\$280,073,679	3,468
San Francisco	1,015	503,244	\$ 18,693,860	242
SFPUC Service Territory	5,204	2,926,136	\$111,226,585	1,407
Outside	6,347	3,784,649	\$150,153,234	1,820

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Construction Activity Highlights – Quarter Ending September 30, 2015

Contracting:

- No new WISP construction contracts were awarded during this reporting quarter.

Employment:

- 556 construction workers were employed for 119,124 hours and earned wages of \$4,695,336 on WSIP PLA-covered projects.
- 33 San Francisco residents worked 4,501 hours and earned wages of \$160,955 on WSIP PLA-Covered projects.
- The SFPUC Regional Service Territory consists of zip codes outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 211 residents of the Service Territory worked 49,936 hours and earned wages of \$1,868,046 on WSIP PLA-Covered projects.
- 146 negative pre-employment substance abuse tests were administered under the provisions of the WSIP PLA Substance Abuse Policy and only five individuals were prevented from working as the result of a positive test.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending September 30, 2015			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	556	119,124	\$ 4,695,336	57
San Francisco	33	4,501	\$ 160,955	2
SFPUC Service Territory	211	49,936	\$ 1,868,046	24
Outside	318	64,687	\$ 2,666,335	31

*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 2080, the accepted total hours worked per year based on a 40 hour work week.

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Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through September 30, 2015					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	42,980,047
01/13/15	WD-2621R*	Western Water	San Francisco Groundwater Supply Well Stations	\$16 Million	14,955,100
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Point	\$5.9 to \$6.7 Million	5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well Drilling	\$3.6 to \$4.2 Million	2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas...	\$6.4 Million	6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	\$6.5 Million	5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	17,899,960
Total 49 Projects					\$ 2,003,232,756

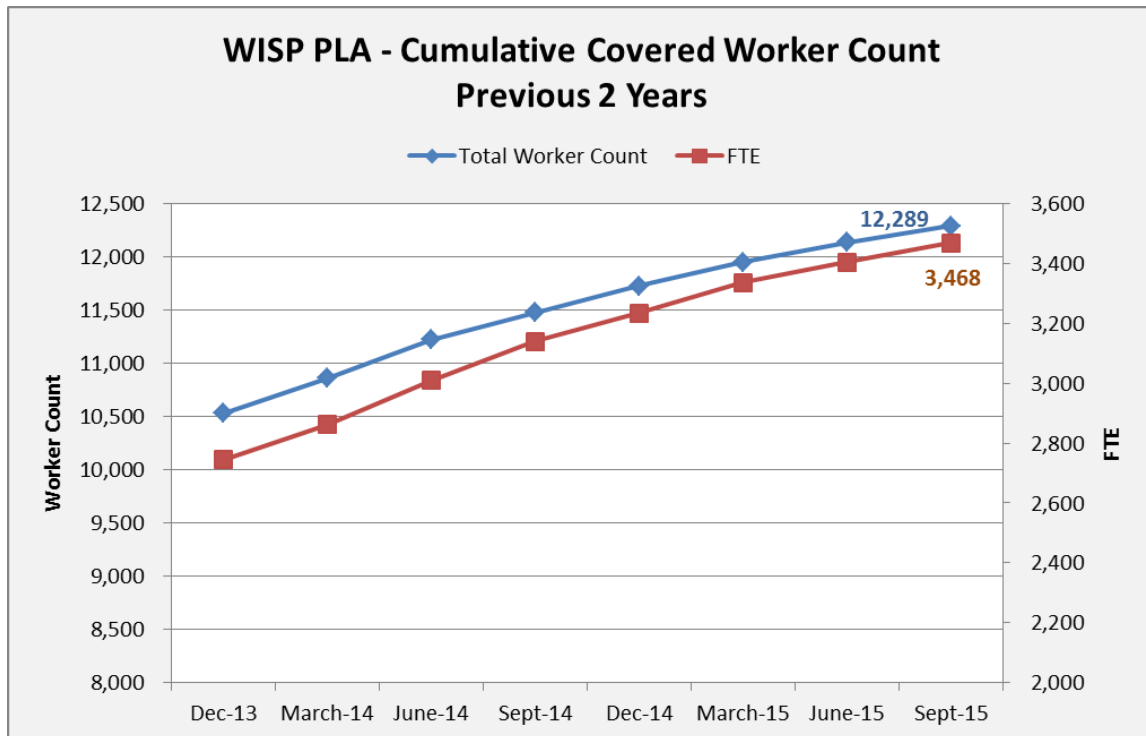
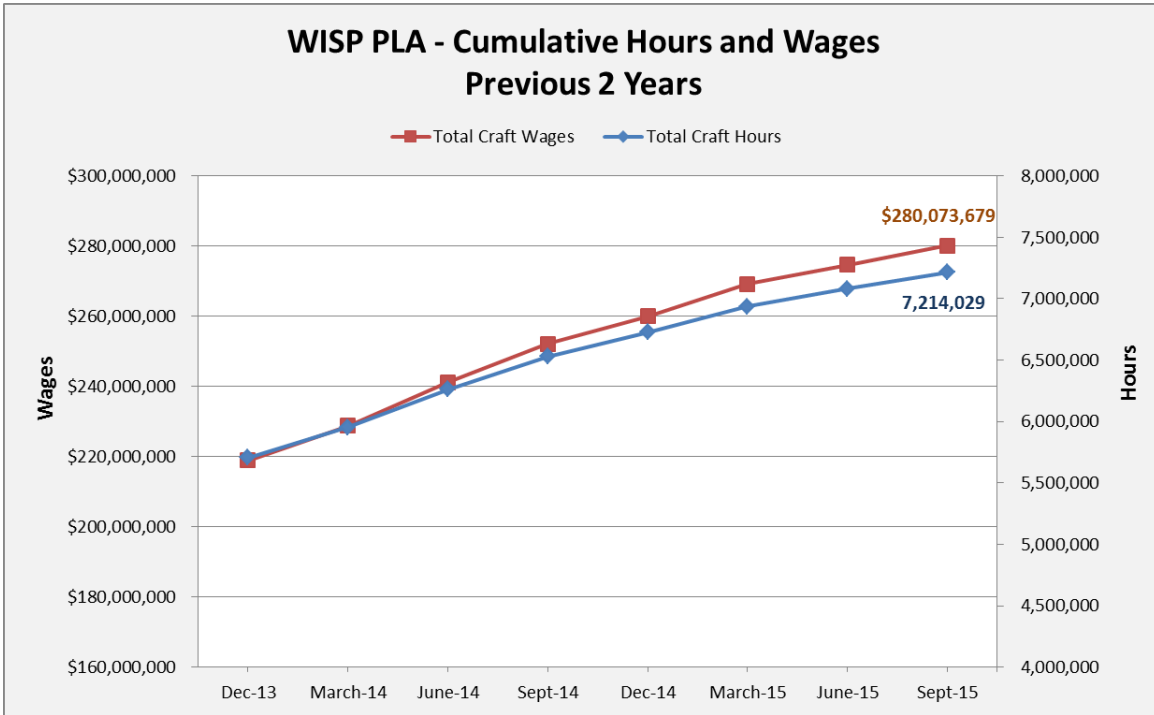
* Indicates projects located in San Francisco

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Summary Charts

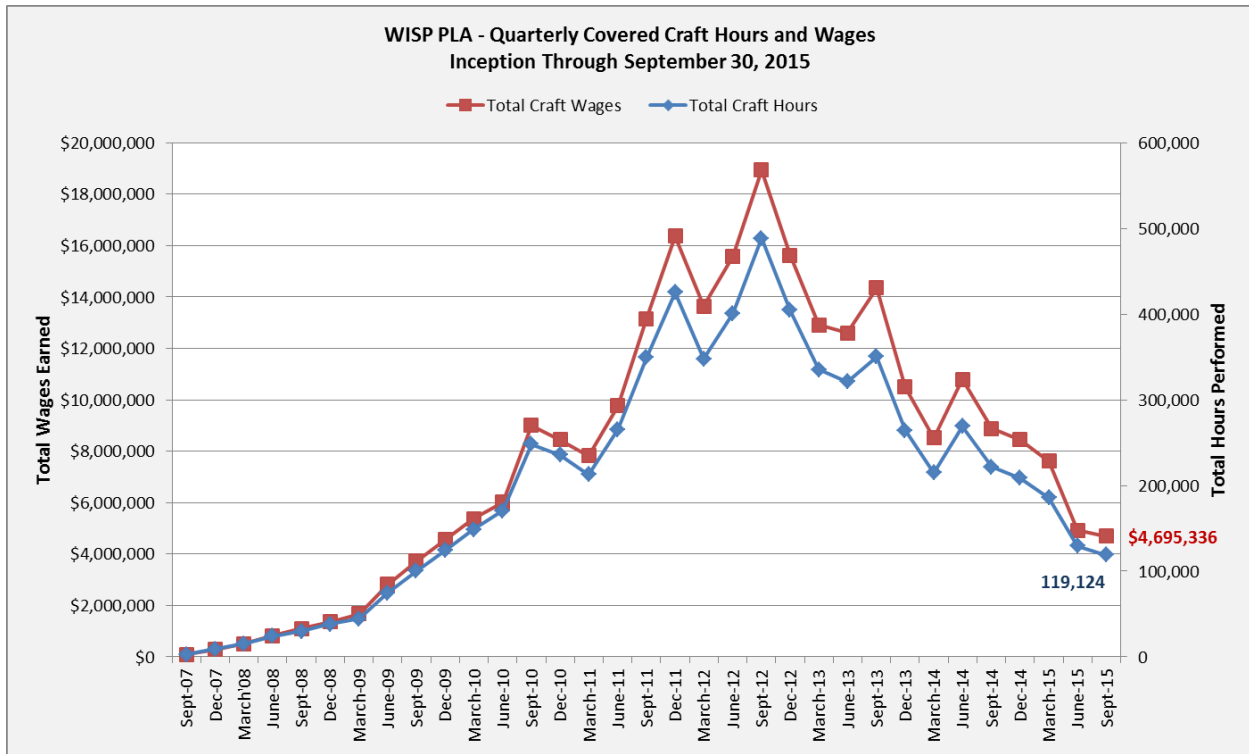
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending September 30, 2015; 12,289 workers on WSIP PLA-covered projects have achieved a cumulative total of 7,214,029 craft hours and \$280,073,679 in craft wages.

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

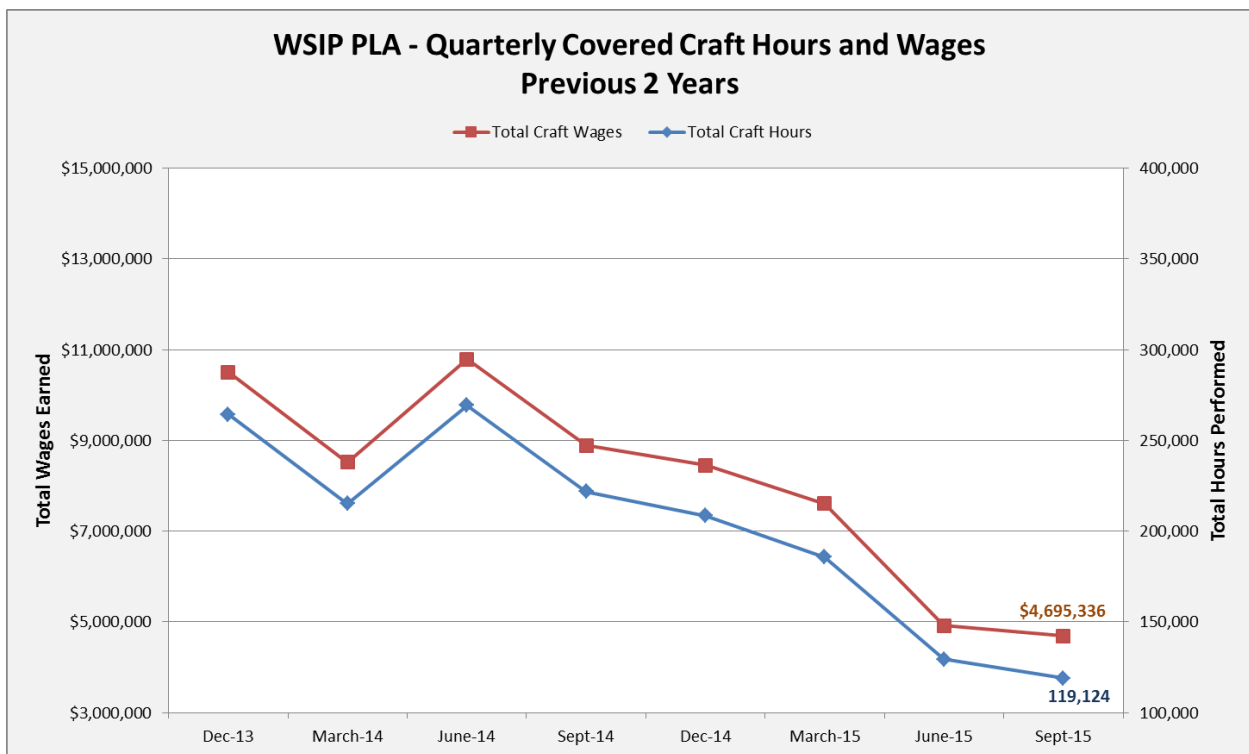


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 85% total completion, Craft Hours have begun and will continue to trend down until total completion.



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



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Craft Utilization on WSIP PLA-Covered Projects

As of September 30, 2015, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 32 craft areas.

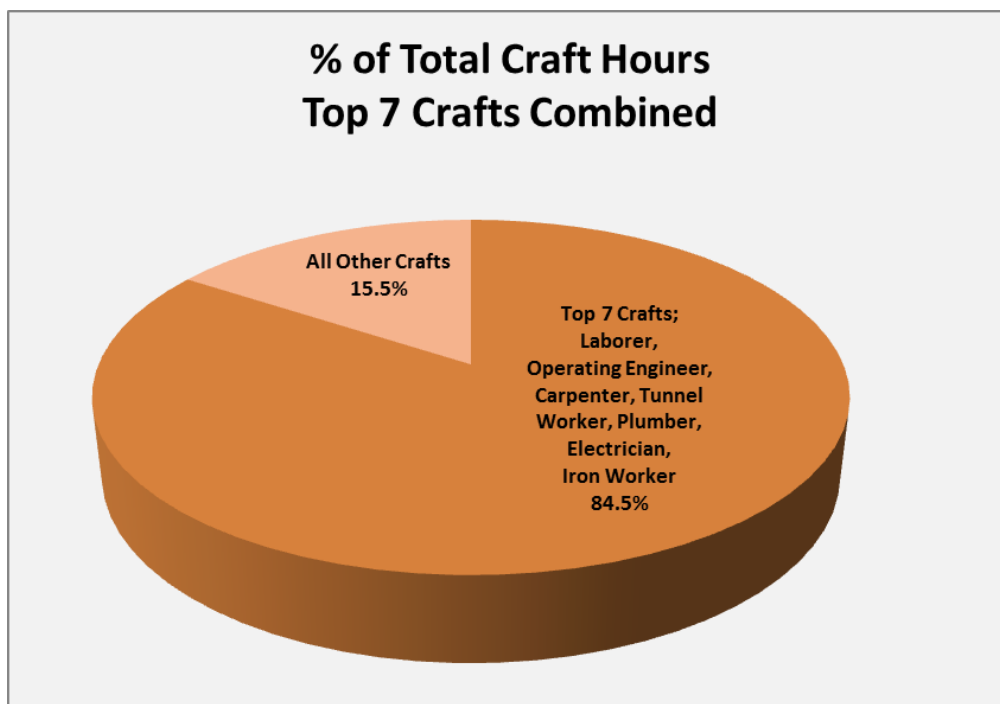
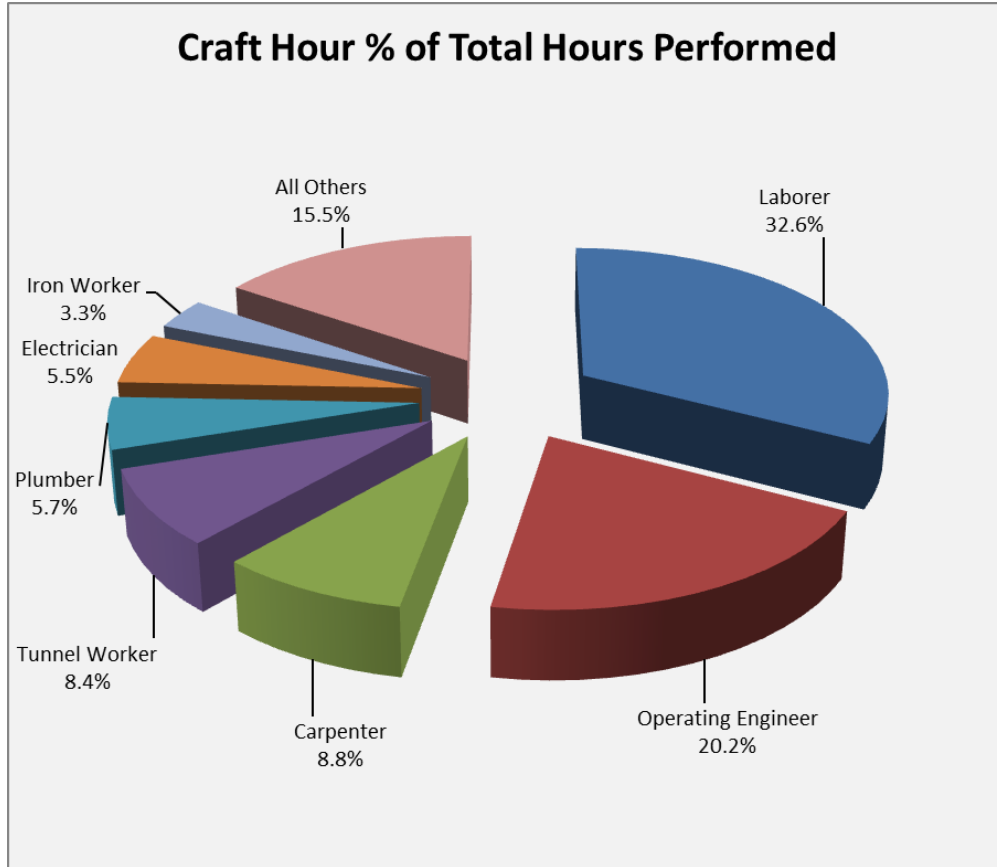
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers respectively represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed by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

Sorted by Total Craft Hours

Cumulative Employment by Craft					
Inception Through September 30, 2015					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
LABORER	2,353,525	\$ 70,701,809	32.6%	25.2%	1,132
OPERATING ENGINEER (Combined)	1,456,801	\$ 57,795,937	20.2%	20.6%	700
CARPENTER	631,844	\$ 26,103,143	8.8%	9.3%	304
TUNNEL WORKER (LABORER)	604,911	\$ 25,559,129	8.4%	9.1%	291
PLUMBER	408,547	\$ 19,016,401	5.7%	6.8%	196
ELECTRICIAN	397,753	\$ 20,847,684	5.5%	7.4%	191
IRON WORKER	239,760	\$ 8,063,516	3.3%	2.9%	115
Top 7 Sub-Total	6,093,140	\$ 228,087,618	84.5%	81.4%	2,929
PILE DRIVER (CARPENTER)	157,963	\$ 8,465,872	2.2%	3.0%	76
PAINTER	136,774	\$ 5,150,188	1.9%	1.8%	66
BOILERMAKER-BLACKSMITH	117,404	\$ 6,167,137	1.6%	2.2%	56
CEMENT MASON	110,707	\$ 3,831,364	1.5%	1.4%	53
BUILDING/CONSTRUCTION INSPECTOR	51,891	\$ 2,103,139	0.7%	0.8%	25
ROOFER	43,882	\$ 1,500,477	0.6%	0.5%	21
FIELD SURVEYOR	19,378	\$ 785,268	0.3%	0.3%	9
SHEET METAL WORKER	13,557	\$ 639,000	0.2%	0.2%	7
DRYWALL INSTALLER/LATHER (CARPENTER)	10,013	\$ 420,786	0.1%	0.2%	5
BRICKLAYER, BLOCKLAYER	8,473	\$ 322,453	0.1%	0.1%	4
ELECTRICAL UTILITY LINEMAN	6,790	\$ 417,183	0.1%	0.1%	3
GLAZIER	4,089	\$ 177,629	0.1%	0.1%	2
PLASTERER	2,526	\$ 83,181	0.0%	0.0%	1
BRICK TENDER	773	\$ 26,072	0.0%	0.0%	0
PLASTER TENDER	725	\$ 23,623	0.0%	0.0%	0
PARKING AND HIGHWAY IMPROVEMENT	696	\$ 22,438	0.0%	0.0%	0
ASBESTOS WORKER, HEAT AND FROST INSULATION	507	\$ 28,166	0.0%	0.0%	0
TILE SETTER	351	\$ 12,929	0.0%	0.0%	0
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	\$ 14,281	0.0%	0.0%	0
TILE FINISHER	277	\$ 5,836	0.0%	0.0%	0
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	0.0%	0.0%	0
TERRAZZO WORKER	199	\$ 8,163	0.0%	0.0%	0
SHEET METAL WORKER (HVAC)	172	\$ 8,402	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	687,703	\$ 30,231,151	10%	10.8%	331
Total Non-Apprenticeable	433,186	\$ 21,754,909	6%	7.8%	208
Total WSIP - Covered by PLA	7,214,029	\$ 280,073,679	100%	100%	3,468

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This chart summarizes WSIP PLA– covered craft employment for trades with the largest number of craft hours as of September 30, 2015. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 70% of craft hours worked on PLA-Covered Projects.



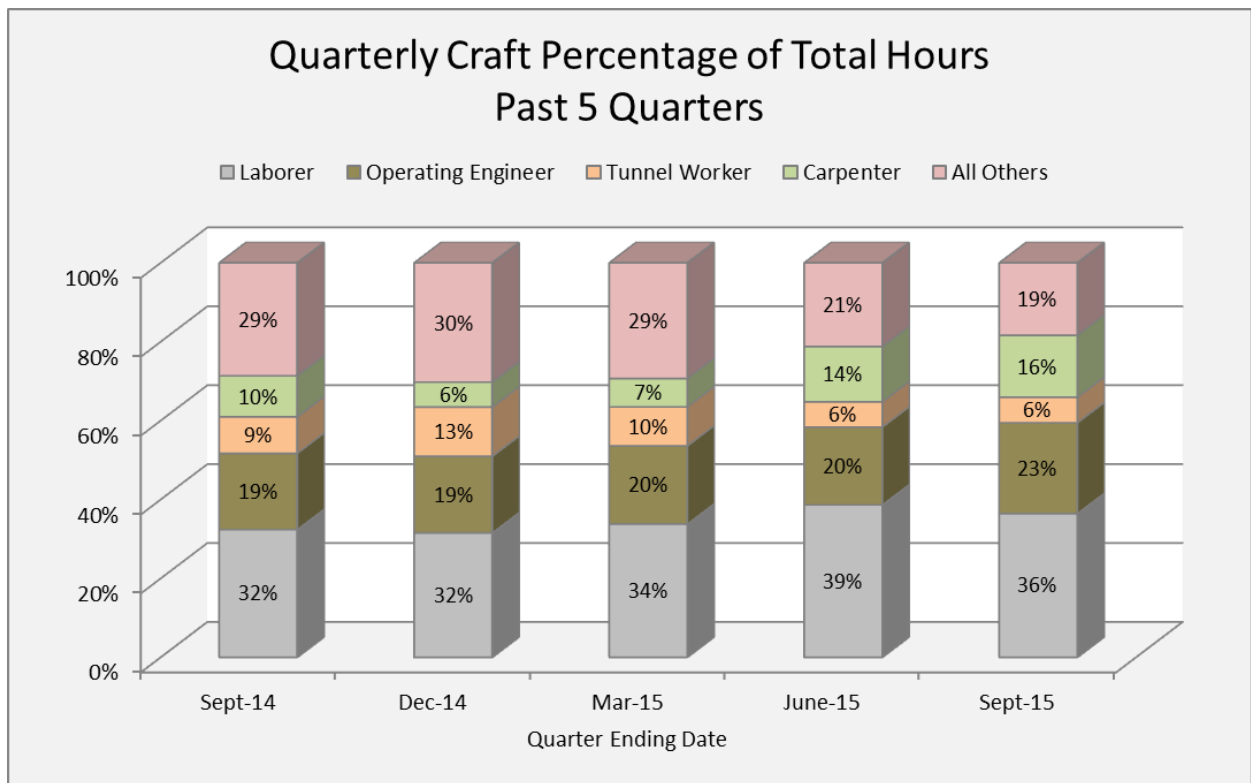
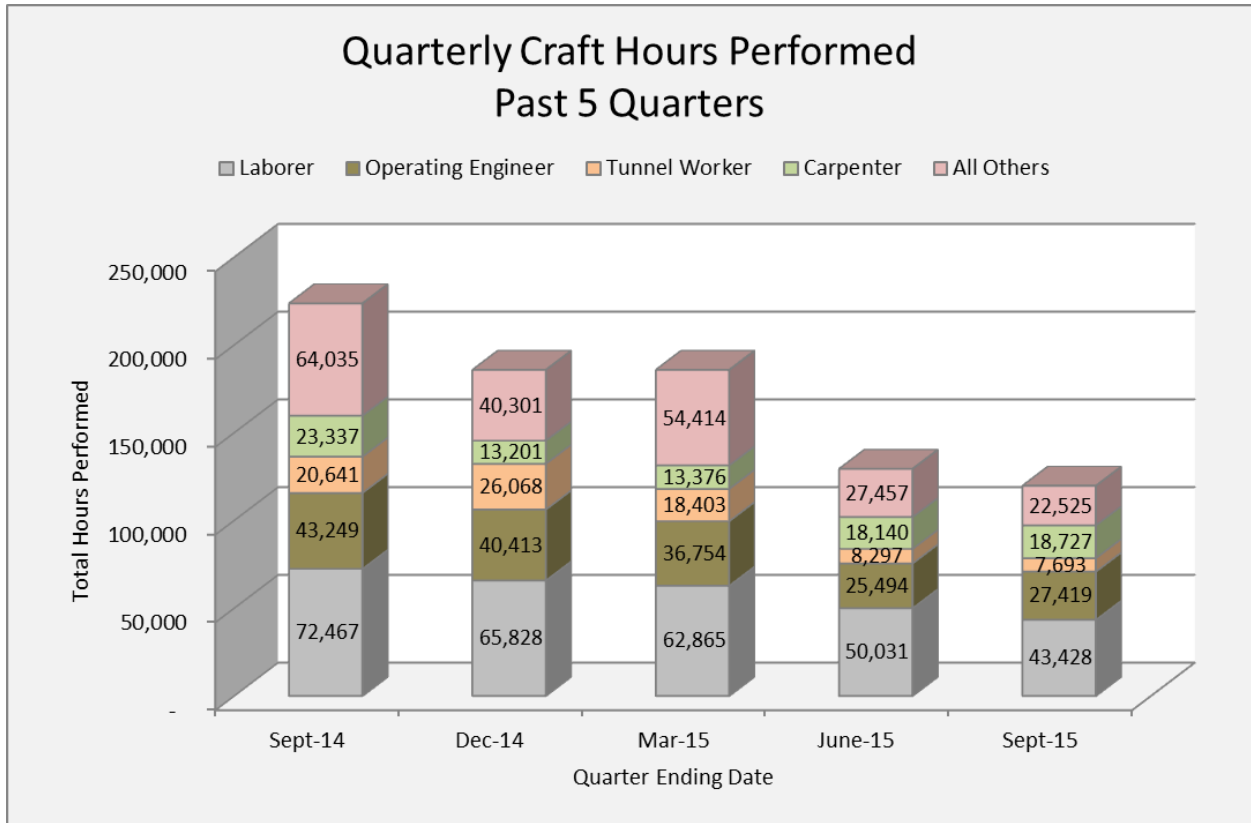
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 9/30/2015 Hours	Quarter Ending 9/30/2015 Wages
LABORER	2,353,525	\$ 70,701,809	43,428	\$ 1,352,429
OPERATING ENGINEER (HEAVY AND HIGHWAY)	926,787	\$ 38,011,775	17,538	\$ 782,998
OPERATING ENGINEER	477,144	\$ 17,580,093	9,607	\$ 377,955
PILE DRIVER (OPERATING ENGINEER - HEAVY A	50,233	\$ 2,106,548	275	\$ 14,498
OPERATING ENGINEER (SPECIAL SINGLE AND S	2,637	\$ 97,521	-	\$ -
OPERATING ENGINEERS (COMBINED)	1,456,801	\$ 57,795,937	27,419	\$ 1,175,451
CARPENTER AND RELATED TRADES	631,844	\$ 26,103,143	18,727	\$ 807,888
TUNNEL WORKER (LABORER)	604,911	\$ 25,559,129	7,693	\$ 323,165
ELECTRICIAN	397,753	\$ 20,847,684	5,309	\$ 316,010
PLUMBER	408,547	\$ 19,016,401	870	\$ 28,579
PILE DRIVER (CARPENTER)	157,963	\$ 8,465,872	639	\$ 30,522
IRON WORKER	239,760	\$ 8,063,516	6,499	\$ 216,155
BOILERMAKER-BLACKSMITH	117,404	\$ 6,167,137	1,286	\$ 148,437
PAINTER	136,774	\$ 5,150,188	310	\$ 11,580
CEMENT MASON	110,707	\$ 3,831,364	775	\$ 27,573
BUILDING/CONSTRUCTION INSPECTOR	51,891	\$ 2,103,139	2,596	\$ 104,634
ROOFER	43,882	\$ 1,500,477	24	\$ 747
FIELD SURVEYOR	19,378	\$ 785,268	59	\$ 1,787
SHEET METAL WORKER	13,557	\$ 639,000	28	\$ 1,581
DRYWALL INSTALLER/LATHER (CARPENTER)	10,013	\$ 420,786	-	\$ -
ELECTRICAL UTILITY LINEMAN	6,790	\$ 417,183	131	\$ 10,029
BRICKLAYER, BLOCKLAYER	8,473	\$ 322,453	-	\$ -
GLAZIER	4,089	\$ 177,629	-	\$ -
PLASTERER	2,526	\$ 83,181	-	\$ -
ASBESTOS WORKER, HEAT AND FROST INSULA	507	\$ 28,166	-	\$ -
BRICK TENDER	773	\$ 26,072	-	\$ -
PLASTER TENDER	725	\$ 23,623	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAIN	696	\$ 22,438	-	\$ -
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	-	\$ -
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	\$ 14,281	13	\$ 601
TILE SETTER	351	\$ 12,929	-	\$ -
SHEET METAL WORKER (HVAC)	172	\$ 8,402	28	\$ 1,581
TERRAZZO WORKER	199	\$ 8,163	-	\$ -
TILE FINISHER	277	\$ 5,836	-	\$ -
MARBLE FINISHER	40	\$ 1,342	-	\$ -
TERRAZZO FINISHER	4	\$ 160	-	\$ -
Total Apprenticable	6,780,843	\$ 258,318,770	115,831	\$ 4,558,749
Non-Apprenticable				
DRIVER (ON/OFF-HAULING TO/FROM CONSTR	94262	\$ 6,912,075	234	\$ 19,890
TEAMSTER	116107	\$ 5,238,693	2,481	\$ 92,993
OPERATING ENGINEER (HEAVY AND HIGHWAY)	93915	\$ 4,354,494	829	\$ 43,149
TUNNEL/UNDERGROUND (OPERATING ENGINE	92220	\$ 4,133,863	70	\$ 3,254
WATER WELL DRILLER	12317	\$ 454,543	-	\$ -
ASBESTOS REMOVAL WORKER (LABORER)	17057	\$ 431,301	-	\$ -
TELECOMMUNICATIONS TECHNICIAN	1160	\$ 37,245	-	\$ -
TREE TRIMMER (HIGH VOLTAGE LINE CLEARANC	1422	\$ 36,006	-	\$ -
DREDGER OPERATING ENGINEER	831	\$ 33,307	-	\$ -
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	910	\$ 32,633	25	\$ 849
LANDSCAPE MAINTENANCE LABORER	1131	\$ 27,256	-	\$ -
OPERATING ENGINEER (BUILDING CONSTRUCT	635	\$ 24,481	-	\$ -
STEEL ERECTOR AND FABRICATOR (OPERATING	282	\$ 12,787	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAIN	257	\$ 8,290	-	\$ -
SLURRY SEAL WORKER	592	\$ 14,870	321	\$ 8,555
IRONWORKER (DB)	80	\$ 2,772	-	\$ -
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	\$ 291	-	\$ -
Total Non-Apprenticable	433,186	\$ 21,754,909	3,959	\$ 168,690
Total Apprenticable	6,780,843	\$ 258,318,770	115,831	\$ 4,558,749
Total WSIP	7,214,029	\$ 280,073,679	119,790	\$ 4,727,439

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

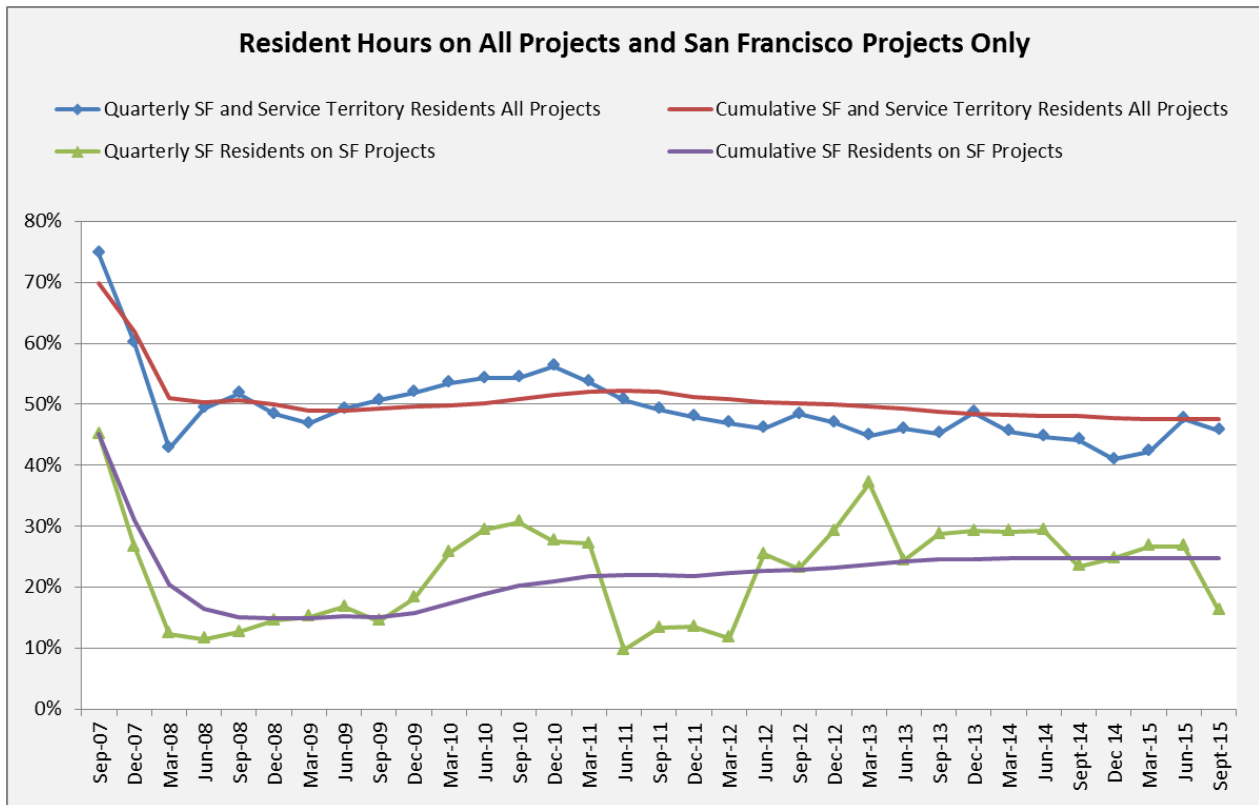


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Worker Residence on the WSIP PLA

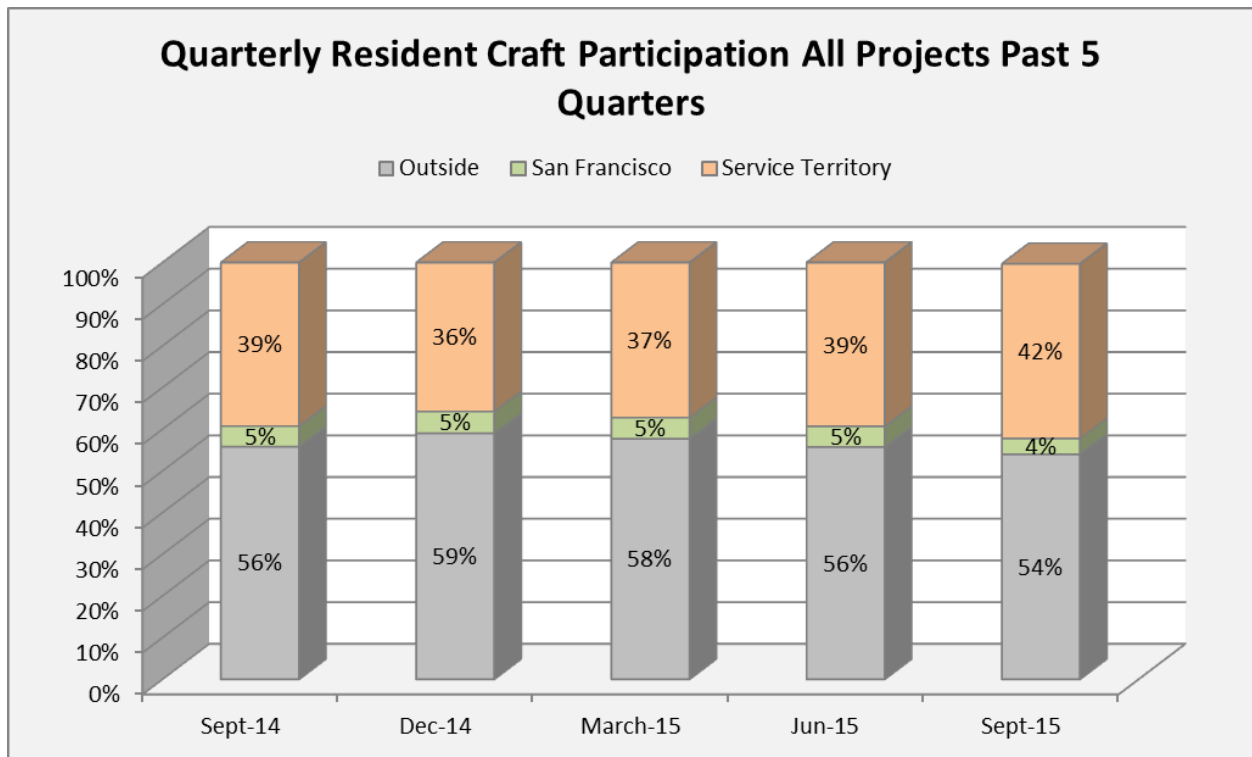
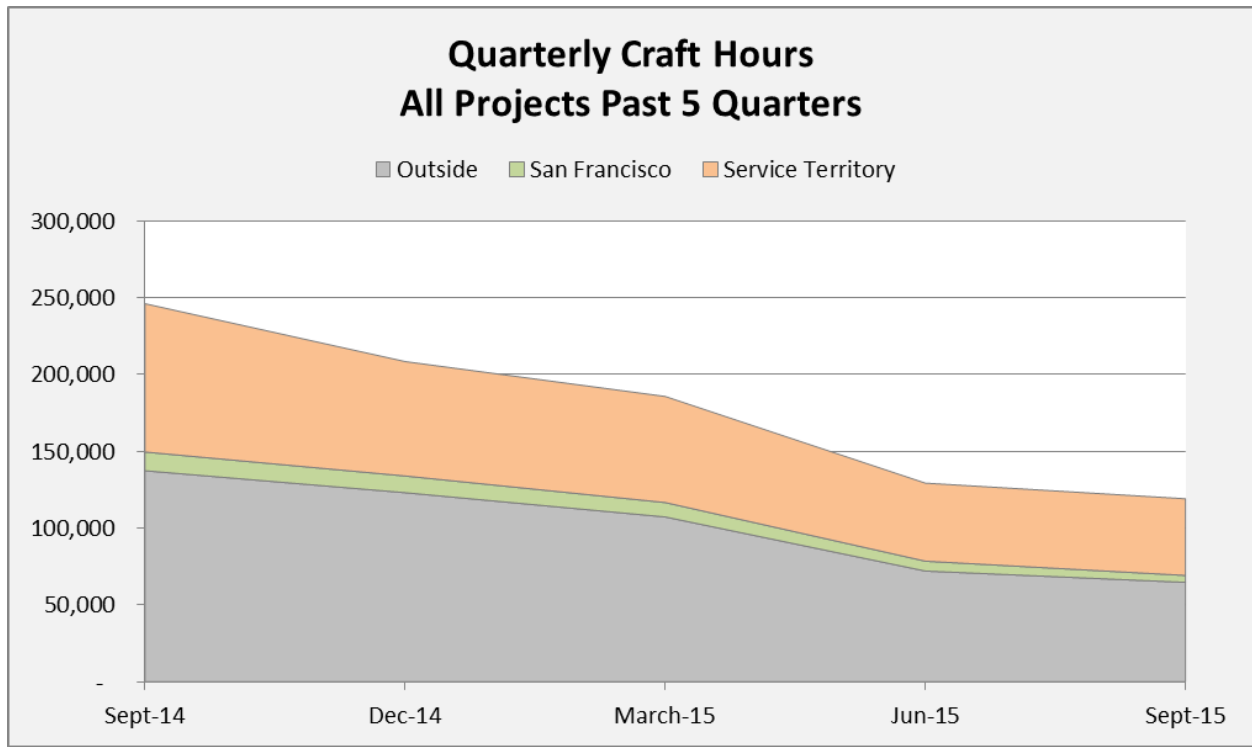
The Regional Service Territory covering seven counties is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Service Territory on WSIP PLA-covered projects through September 30, 2015.



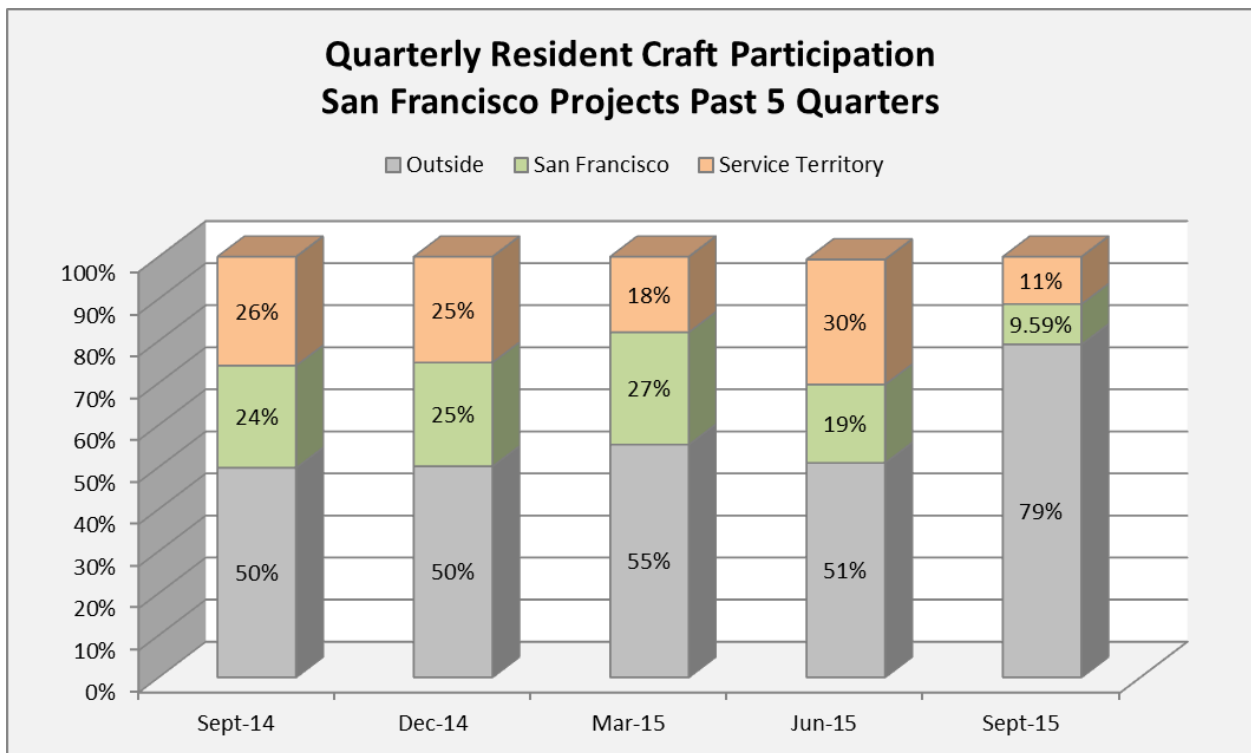
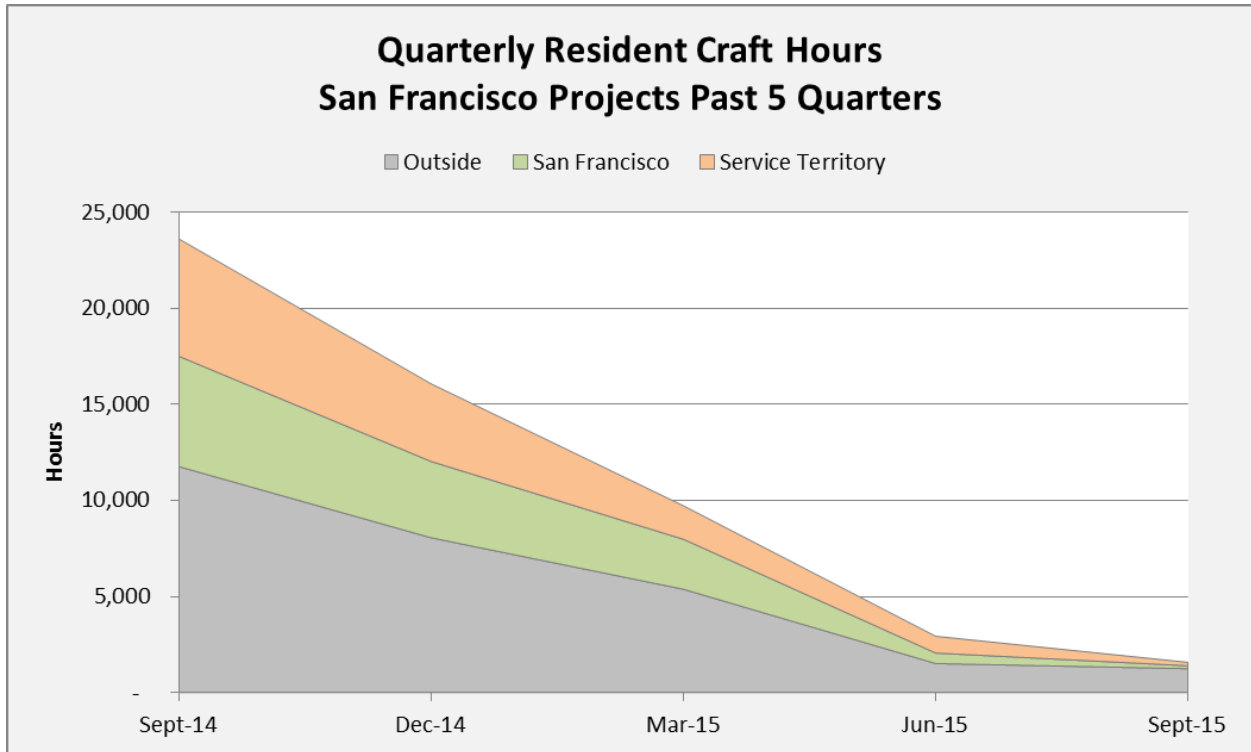
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Residence on ALL WSIP PLA Projects - Charted are the 49 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



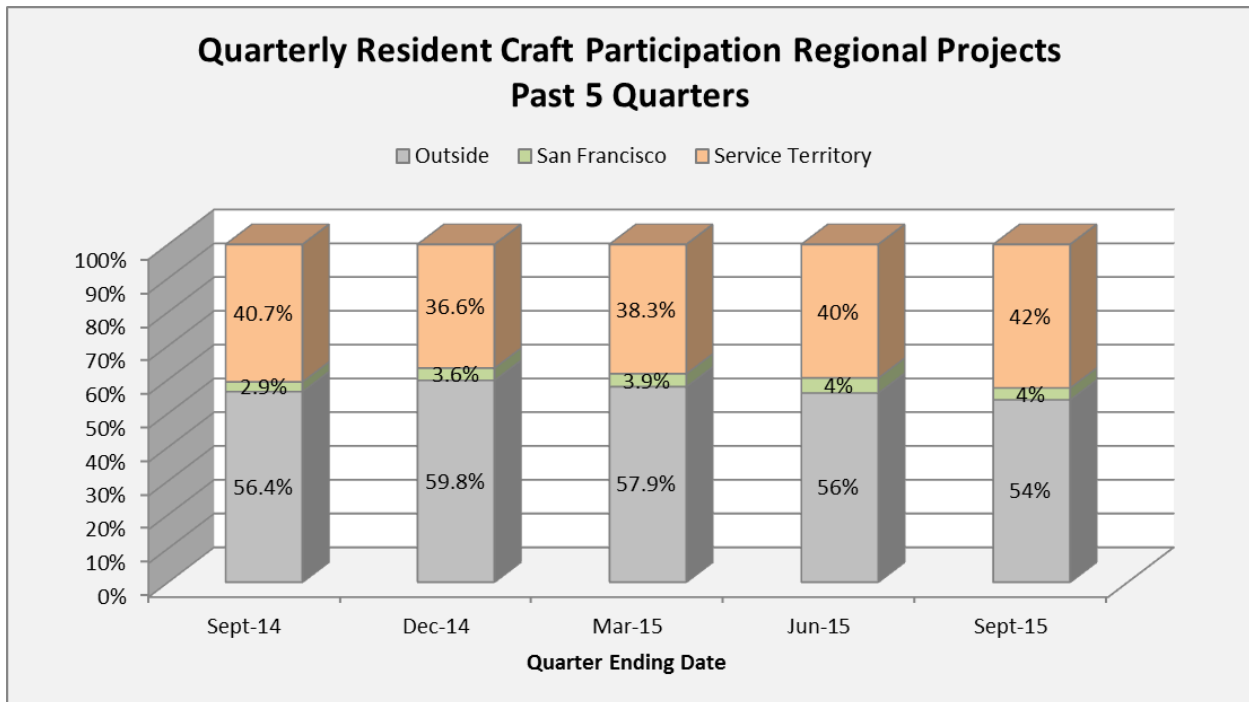
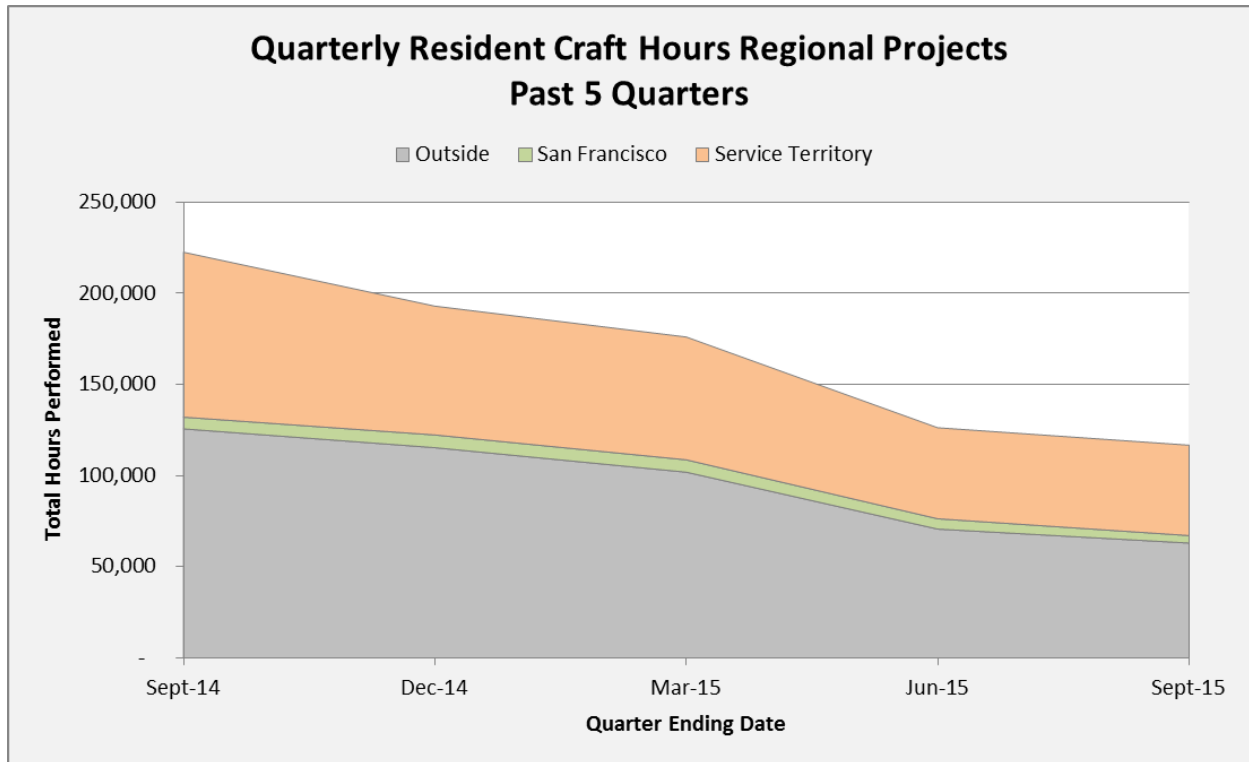
San Francisco Public Utilities Commission
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 13 projects covered by the WSIP PLA located within San Francisco only.



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Residence on Regionally-located WSIP PLA Projects - Charted are the 36 projects covered by the WSIP PLA located within the Service Territory.



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Residence by County

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence					
Inception Through September 30, 2015					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda	1,248,446	\$ 45,783,051	17%	2,456	600
Contra Costa	969,820	\$ 37,120,426	13%	1,680	466
San Mateo	721,556	\$ 28,485,265	10%	1,114	347
San Joaquin	668,050	\$ 24,590,058	9%	1,043	321
San Francisco	507,590	\$ 18,795,637	7%	1,021	244
Santa Clara	412,278	\$ 16,794,428	6%	1,126	198
Solano	355,566	\$ 14,000,766	5%	689	171
Stanislaus	311,182	\$ 11,118,953	4%	523	150
Sacramento	306,366	\$ 11,794,830	4%	500	147
Butte	196,524	\$ 7,718,334	3%	110	94
Sonoma	151,833	\$ 6,034,637	2%	291	73
Calaveras	88,265	\$ 3,850,643	1%	77	42
Tuolumne	88,026	\$ 3,356,732	1%	87	42
Placer	68,845	\$ 2,719,067	1%	109	33
Los Angeles	65,969	\$ 2,816,608	1%	131	32
Yolo	65,548	\$ 2,523,942	1%	85	32
Clark	62,048	\$ 2,748,188	1%	66	30
El Dorado	62,876	\$ 2,499,492	1%	79	30
Shasta	56,778	\$ 2,464,163	1%	48	27
Napa	54,783	\$ 2,408,729	1%	71	26
Top 20 Counties by Hours	6,462,348	\$ 247,623,950	89.5%	15,688	3,107
All Other Counties	751,681	\$ 32,449,728	10.5%	1,381	361
WSIP-PLA Total	7,214,029	\$ 280,073,679	100%	17,069	3,468

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San Francisco Residents by Zip Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through September 30, 2015					
San Francisco County Zip Code	Total Workers				
	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
94112	87,974	\$ 3,068,143	17.3%	227	42
94124	75,948	\$ 2,841,686	15.0%	249	37
94110	73,797	\$ 2,504,056	14.5%	183	35
94116	59,138	\$ 2,857,832	11.7%	116	28
94134	40,299	\$ 1,218,239	7.9%	129	19
94122	26,083	\$ 1,159,038	5.1%	67	13
94121	24,331	\$ 963,133	4.8%	53	12
94103	22,264	\$ 677,307	4.4%	42	11
94127	18,771	\$ 672,857	3.7%	22	9
94102	8,523	\$ 379,797	1.7%	19	4
94118	8,322	\$ 407,887	1.6%	22	4
94132	8,280	\$ 327,237	1.6%	39	4
94117	7,877	\$ 195,835	1.6%	19	4
94107	7,595	\$ 283,001	1.5%	26	4
94131	7,361	\$ 279,410	1.5%	20	4
94114	4,835	\$ 187,416	1.0%	15	2
94133	4,704	\$ 168,686	0.9%	14	2
94164	3,451	\$ 98,256	0.7%	2	2
94109	3,363	\$ 98,964	0.7%	20	2
94108	3,348	\$ 71,658	0.7%	8	2
94130	3,273	\$ 69,745	0.6%	12	2
94115	1,708	\$ 50,307	0.3%	26	1
94188	1,391	\$ 33,477	0.3%	5	1
94142	1,310	\$ 57,357	0.3%	6	1
94111	661	\$ 14,669	0.1%	4	0
94166	638	\$ 30,298	0.1%	2	0
94104	523	\$ 13,179	0.1%	4	0
94123	496	\$ 24,939	0.1%	3	0
94129	447	\$ 13,106	0.1%	2	0
94140	288	\$ 11,589	0.1%	1	0
94119	255	\$ 7,976	0.1%	1	0
94147	162	\$ 4,785	0.0%	1	0
94105	141	\$ 2,599	0.0%	1	0
94125	29	\$ 994	0.0%	2	0
94158	8	\$ 178	0.0%	1	0
Total	503,244	\$ 18,693,860	100%	1,015	242
WSIP-PLA Total	7,214,029	\$ 280,073,679	-	12,289	3,468

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Residence by Craft

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through September 30, 2015							
Craft	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
OPERATING ENGINEER (HEAVY AND HIGHWAY)	926,787	17,363	360,860	548,564	1.9%	38.9%	59.2%
CARPENTER AND RELATED TRADES	631,844	73,878	261,735	296,231	11.7%	41.4%	46.9%
TUNNEL WORKER (LABORER)	604,911	11,102	243,129	350,680	1.8%	40.2%	58.0%
OPERATING ENGINEER	477,144	42,908	166,142	268,094	9.0%	34.8%	56.2%
PLUMBER	408,547	80,873	131,714	195,960	19.8%	32.2%	48.0%
ELECTRICIAN	397,753	22,236	230,295	145,223	5.6%	57.9%	36.5%
IRON WORKER	239,760	19,314	87,832	132,614	8.1%	36.6%	55.3%
PILE DRIVER (CARPENTER)	157,963	6,526	42,549	108,888	4.1%	26.9%	68.9%
PAINTER	136,774	8,737	12,989	115,049	6.4%	9.5%	84.1%
BOILERMAKER-BLACKSMITH	117,404	48	22,876	94,479	0.0%	19.5%	80.5%
CEMENT MASON	110,707	5,596	47,665	57,445	5.1%	43.1%	51.9%
BUILDING/CONSTRUCTION INSPECTOR AND FIELD	51,891	3,773	9,140	38,978	7.3%	17.6%	75.1%
PILE DRIVER (OPERATING ENGINEER - HEAVY)	50,233	499	8,518	41,216	1.0%	17.0%	82.1%
ROOFER	43,882	2,441	23,404	18,037	5.6%	53.3%	41.1%
FIELD SURVEYOR	19,378	1,334	3,727	14,318	6.9%	19.2%	73.9%
SHEET METAL WORKER	13,557	415	8,677	4,465	3.1%	64.0%	32.9%
DRYWALL INSTALLER/LATHER (CARPENTER)	10,013	1,178	2,091	6,745	11.8%	20.9%	67.4%
BRICKLAYER, BLOCKLAYER	8,473	82	4,321	4,071	1.0%	51.0%	48.0%
ELECTRICAL UTILITY LINEMAN	6,790	-	211	6,579	0.0%	3.1%	96.9%
GLAZIER	4,089	958	1,248	1,884	23.4%	30.5%	46.1%
OPERATING ENGINEER (SPECIAL SINGLE SHIFT RATE)	2,637	47	1,691	899	1.8%	64.1%	34.1%
PLASTERER	2,526	1,110	438	979	43.9%	17.3%	38.8%
BRICK TENDER	773	287	19	467	37.1%	2.5%	60.4%
PLASTER TENDER	725	616	109	-	85.0%	15.0%	0.0%
PARKING AND HIGHWAY IMPROVEMENT PAINTER	696	-	370	326	0.0%	53.2%	46.8%
ASBESTOS WORKER, HEAT AND FROST INSULATION	507	-	197	310	0.0%	38.9%	61.1%
TILE SETTER	351	-	344	7	0.0%	98.0%	2.0%
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	6	70	239	1.9%	22.2%	75.9%
TILE FINISHER	277	-	237	40	0.0%	85.6%	14.4%
METAL ROOFING SYSTEMS INSTALLER	201	-	-	201	0.0%	0.0%	100.0%
TERRAZZO WORKER	199	-	-	199	0.0%	0.0%	100.0%
SHEET METAL WORKER (HVAC)	172	-	138	34	0.0%	80.2%	19.8%
MARBLE FINISHER	40	-	40	-	0.0%	100.0%	0.0%
TERRAZZO FINISHER	4	-	4	-	0.0%	100.0%	0.0%
Apprenticeable	4,427,318	301,324	1,672,777	2,453,217	6.8%	37.8%	55.4%
LABORER	2,353,525	175,447	1,025,743	1,152,335	7.5%	43.6%	49.0%
Non-Apprenticeable							
TEAMSTER	116,107	9,387	62,893	43,826	8.1%	54.2%	37.8%
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION)	94,262	15,947	62,729	15,586	16.9%	66.6%	16.5%
OPERATING ENGINEER (HEAVY AND HIGHWAY)	93,915	-	39,407	54,508	0.0%	42.0%	58.0%
TUNNEL/UNDERGROUND (OPERATING ENGINEER)	79,075	70	44,357	34,648	0.1%	56.1%	43.8%
ASBESTOS REMOVAL WORKER (LABORER)	17,057	887	2,256	13,914	5.2%	13.2%	81.6%
TUNNEL/UNDERGROUND (OPERATING ENGINEER)	13,146	-	3,850	9,296	0.0%	29.3%	70.7%
WATER WELL DRILLER	12,317	-	7,533	4,784	0.0%	61.2%	38.8%
TREE TRIMMER (HIGH VOLTAGE LINE CLEARING)	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 TRAFFIC CONTROL/LANE CLOSURE (LABORER)	1,131	16	614	501	1.4%	54.3%	44.3%
DREDGER OPERATING ENGINEER	910	-	704	206	0.0%	77.4%	22.6%
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	-	321	271	0.0%	54.3%	45.7%
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER)	282	-	282	-	0.0%	100.0%	0.0%
PARKING AND HIGHWAY IMPROVEMENT PAINTER	257	-	163	94	0.0%	63.4%	36.7%
IRONWORKER (DB)	80	-	-	80	0.0%	0.0%	100.0%
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	-	-	11	0.0%	0.0%	100.0%
Total Non-Apprenticeable	433,186	26,472	227,616	179,098	6.1%	52.5%	41.3%
Total WSIP PLA	7,214,029	503,244	2,926,136	3,784,649	6%	52.5%	41.3%

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Residence by Project

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary through September 30, 2015							
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2596 - Harry Tracy Water Treatment Plant	1,010,953	63,253	371,963	575,736	6.3%	36.8%	57%
WD-2551 - Calaveras Dam Replacement Project	743,616	3,784	241,750	498,082	0.5%	32.5%	67.0%
WD-2581 - New Irvington Tunnel	716,587	3,184	298,156	415,248	0.4%	41.6%	57.9%
WD-2531 - Bay Division Pipelines Reliability Upgrade	574,377	18,402	329,204	226,772	3.2%	57.3%	39.5%
WD-2601 - Crystal Springs / San Andreas Transmission	488,398	25,322	191,884	271,191	5.2%	39.3%	55.5%
WD-2582 - Sunol Valley Water Treatment Plant	462,409	11,320	193,094	257,996	2.4%	41.8%	55.8%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula	287,972	2,888	132,407	152,677	1.0%	46.0%	53.0%
CS-936 - Advanced Meter Infrastructure	227,022	72,108	84,616	70,298	31.8%	37.3%	31.0%
WD-2541 - Bay Division Pipeline No. 5 - East Bay	208,220	14,155	83,024	111,042	6.8%	39.9%	53.3%
WD-2539 - University Mound Reservoir North Basin	187,025	50,004	44,746	92,276	26.7%	23.9%	49.3%
WD-2627R - Sutro Reservoir Rehabilitation and	154,357	49,225	39,318	65,814	31.9%	25.5%	42.6%
HH-935C - San Joaquin Pipeline System - Eastern	144,007	83	80,525	63,400	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,840	2,062	95,028	44,751	1.5%	67.0%	31.5%
WD-2629 - Seismic Upgrade of Bay Division Pipeline	133,316	567	53,934	78,816	0.4%	40.5%	59.1%
WD-2552 - Alameda Siphon No. 4 Project	129,478	1,450	57,583	70,445	1.1%	44.5%	54.4%
WD-2555 - Crystal Springs Pipeline No.2 Replacement	127,743	34,923	35,352	57,468	27.3%	27.7%	45.0%
WD-2498 - New Crystal Springs Bypass (Polhemus)	117,809	6,825	61,030	49,955	5.8%	51.8%	42.4%
WD-2652 - Bioregional Habitat Restoration, San	104,093	1,839	40,562	61,693	1.8%	39.0%	59.3%
WD-2548 - Lake Merced Pump Station Essential	101,056	23,185	27,208	50,663	22.9%	26.9%	50.1%
HH-935B - San Joaquin Pipeline System - Western	100,478	426	42,710	57,342	0.4%	42.5%	57.1%
WD-2591 - Lower Crystal Springs Dam Improvement	98,686	5,022	57,610	36,055	5.1%	58.4%	36.5%
HH-935A - San Joaquin Pipeline System - Cross	84,472	158	45,733	38,581	0.2%	54.1%	45.7%
WD-2513 - San Andreas Pipeline No.3 Installation	82,356	6,294	26,717	49,345	7.6%	32.4%	59.9%
WD-2575 - San Antonio Backup Pipeline	75,220	9,125	31,685	34,411	12.1%	42.1%	45.7%
WD-2504 - Stanford Heights Reservoir Seismic	74,299	11,120	19,865	43,314	15.0%	26.7%	58.3%
WD-2501 - Alemany Pump Station	74,094	7,572	28,838	37,684	10.2%	38.9%	50.9%
WD-2727 - Peninsula Pipeline Seismic Upgrade	60,548	12,203	20,427	27,918	20.2%	33.7%	46.1%
WD-2543 - North University Mound System Upgrade	53,226	10,235	18,174	24,818	19.2%	34.1%	46.6%
WD-2573 - Pulgas Balancing Reservoir Structure	50,372	5,166	24,782	20,425	10.3%	49.2%	40.5%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,908	14,647	28,355	10.2%	30.6%	59.2%
WD-2641R - Habitat Reserve Program, Homestead	43,922	7,262	11,135	25,525	16.5%	25.4%	58.1%
WD-2564 - Harry Tracy Water Treatment Plant	43,047	7,220	12,709	23,118	16.8%	29.5%	53.7%
WD-2469 - Forest Knolls Pump Station and Storage	26,552	3,844	8,139	14,569	14.5%	30.7%	54.9%
WD-2666 - Bioregional Habitat Restoration, Shore	23,458	46	7,022	16,390	0.2%	29.9%	69.9%
WD-2623 - Harding Park Recycled Water Project	22,726	4,530	13,463	4,734	19.9%	59.2%	20.8%
WD-2529 - Noe Valley Transmission Main - Phase	22,511	3,918	7,931	10,662	17.4%	35.2%	47.4%
WD-2665 - Bay Division Pipeline Reliability Upgrade	21,967	341	6,958	14,668	1.6%	31.7%	66.8%
WD-2651R - Peninsula 2011 Watershed Completion	21,669	557	10,713	10,399	2.6%	49.4%	48.0%
WD-2556 - Baden and San Pedro Valve Lot Improvement	19,937	4,570	10,632	4,735	22.9%	53.3%	23.8%
WD-2622 - San Francisco Groundwater Supply Project	17,758	4,336	2,503	10,919	24.4%	14.1%	61.5%
WD-2668 - Regional Groundwater Storage and	15,982	2,595	5,174	8,213	16.2%	32.4%	51.4%
WD-2566 - San Antonio Pump Station Upgrades	14,916	101	11,984	2,831	0.7%	80.3%	19.0%
HH-914R - Roselle Crossover Improvements	12,859	-	8,789	4,070	-	68.3%	31.7%
HH-953 - Tesla Portal Protection	11,512	4,989	4,453	2,071	43.3%	38.7%	18.0%
WD-2511 - Standby Power Facilities, Various Locations	11,261	136	6,592	4,534	1.2%	58.5%	40.3%
WD-2640 - Bioregional Habitat Restoration	10,605	1,251	4,182	5,172	11.8%	39.4%	48.8%
WD-2600 - Regional Groundwater Storage and	6,088	-	296	5,792	-	4.9%	95.1%
WD-2621R - San Francisco Groundwater Supply	3,822	633	652	2,537	16.6%	17.1%	66.4%
WD-2589 - Supervisory Control and Data Acquisition	1,498	113	242	1,144	7.6%	16.1%	76.3%
Total WSIP PLA	7,214,029	503,244	2,926,136	3,784,649	7%	40.6%	52.5%

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Apprentice Utilization

The WSIP PLA supports the apprentice ratios provided by the State of California’s, Division of Apprenticeship Standards, generally 1 Apprentice hour to every 5 Journey-level hours.

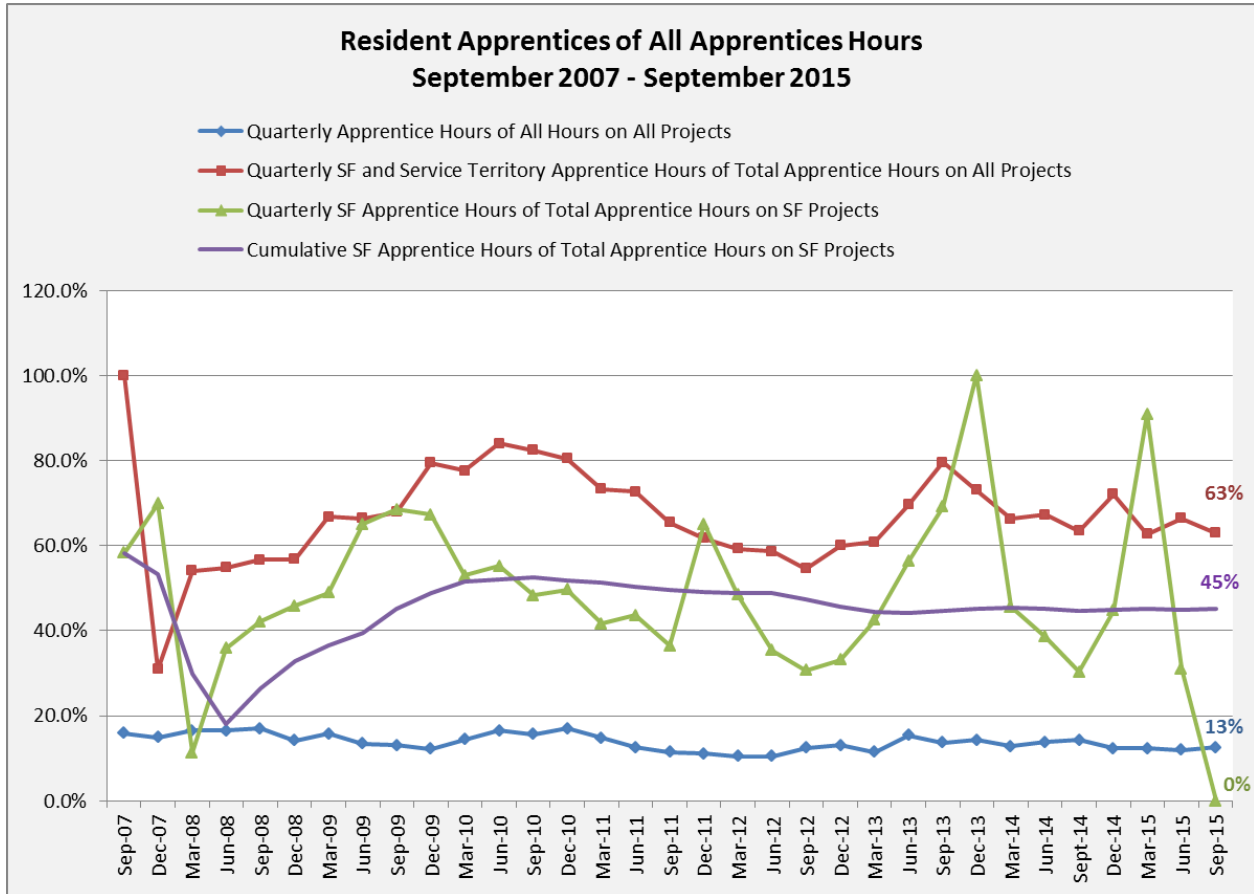
Through the end of the current quarter, 13% of craft hours in apprenticeable trades have been worked by apprentices. 18% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Service Territory, or 71% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	Service Territory 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 (HEAVY AND HIGHWAY WORK)	926,787	20,655	3,912	11,451	5,293	2.2%	0.4%	1.2%	18.9%	55.4%	25.6%
A - CARPENTER AND RELATED TRADES	631,844	99,226	26,614	45,506	27,107	15.7%	4.2%	7.2%	26.8%	45.9%	27.3%
A - TUNNEL WORKER (LABORER)	604,911	-	-	-	-	-	-	-	-	-	-
A - OPERATING ENGINEER	477,144	154,421	24,456	59,368	70,598	32.4%	5.1%	12.4%	15.8%	38.4%	45.7%
A - PLUMBER	408,547	113,550	32,748	55,864	24,937	27.8%	8%	14%	28.8%	49.2%	22%
A - ELECTRICIAN	397,753	73,310	7,565	50,497	15,248	18.4%	1.9%	12.7%	10.3%	68.9%	20.8%
A - IRON WORKER	239,760	52,932	12,101	22,042	18,790	22.1%	5%	9.2%	22.9%	41.6%	35.5%
A - PILE DRIVER (CARPENTER)	157,963	12,077	4,451	3,464	4,163	7.6%	3%	2.2%	36.9%	28.7%	34.5%
A - PAINTER	136,774	23,065	1,809	3,405	17,851	16.9%	1.3%	2.5%	7.8%	14.8%	77.4%
A - BOILERMAKER BLACKSMITH	117,404	2,354	40	1,238	1,076	2.0%	-	1.1%	1.7%	52.6%	45.7%
A - CEMENT MASON	110,707	4,903	3,608	144	1,152	4.4%	3.3%	0.1%	73.6%	2.9%	23.5%
A - BUILDING/CONSTRUCTION INSPECTOR AND FIELD SUPERVISOR	51,891	1,340	5	868	468	2.6%	-	1.7%	0.4%	64.7%	34.9%
A - PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	50,233	30	-	-	30	0.1%	-	-	-	-	100%
A - ROOFER	43,882	10,354	1,121	4,818	4,416	23.6%	3%	11%	10.8%	46.5%	42.6%
A - FIELD SURVEYOR	19,378	360	-	66	294	1.9%	-	-	-	18.3%	81.7%
A - SHEET METAL WORKER	13,557	1,570	16	919	635	11.6%	-	6.8%	1%	58.5%	40%
A - DRYWALL INSTALLER/LATHER (CARPENTER)	10,013	281	60	155	66	2.8%	0.6%	1.5%	21.4%	55.2%	23.5%
A - BRICKLAYER, BLOCKLAYER	8,473	2,655	82	573	2,000	31.3%	1.0%	6.8%	3.1%	21.6%	75.3%
A - ELECTRICAL UTILITY LINEMAN	6,790	79	-	79	-	1.2%	-	1.2%	-	100%	-
A - GLAZIER	4,089	504	342	20	142	12.3%	-	0.5%	67.9%	4.0%	28.2%
A - OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,637	1,162	-	1,047	115	44.1%	-	39.7%	-	90.1%	9.9%
A - PLASTERER	2,526	347	136	-	211	13.7%	5%	-	39.2%	-	60.8%
A - BRICK TENDER	773	24	24	-	-	3.1%	3%	-	100%	-	-
A - PLASTER TENDER	725	-	-	-	-	-	-	-	-	-	-
A - PAVING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	696	-	-	-	-	-	-	-	-	-	-
A - ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	-	-	-	-	-	-	-	-	-	-
A - TILE SETTER	351	20	-	20	-	5.7%	-	6%	-	100%	-
A - CARPET, LINOLEUM, SOFT FLOOR LAYER	315	12	-	12	-	3.8%	-	3.8%	-	100%	-
A - TILE FINISHER	277	40	-	-	40	14.4%	-	-	-	-	100%
A - METAL ROOFING SYSTEMS INSTALLER	201	-	-	-	-	-	-	-	-	-	-
A - TERRAZZO WORKER	199	-	-	-	-	-	-	-	-	-	-
A - SHEET METAL WORKER (HVAC)	172	8	-	8	-	4.7%	-	4.7%	-	100%	-
A - MARBLE FINISHER	40	-	-	-	-	-	-	-	-	-	-
A - TERRAZZO FINISHER	4	-	-	-	-	-	-	-	-	-	-
Sub-Total Apprenticeable	4,427,318	575,276	119,088	261,559	194,630	13.0%	2.7%	5.9%	21%	45%	34%
A - LABORER	2,353,525	327,090	39,651	219,754	67,686	13.9%	1.7%	9.3%	12%	67%	21%
A - OPERATING ENGINEER (COMBINED)	1,456,801	176,267	28,367	71,865	76,035	12.1%	1.9%	4.9%	16%	41%	43%
Total Apprenticeable	6,780,843	902,366	158,738	481,313	262,315	13.3%	2.3%	7.1%	18%	53%	29%
Total Non-Apprenticeable	433,186										
Total WSIP - Covered by PLA	7,214,029										

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For the three months ending September 30, 2015, no Apprentice Hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). This is a decrease of 31.1% from last quarter. As the WISP program comes to a close, there are less opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



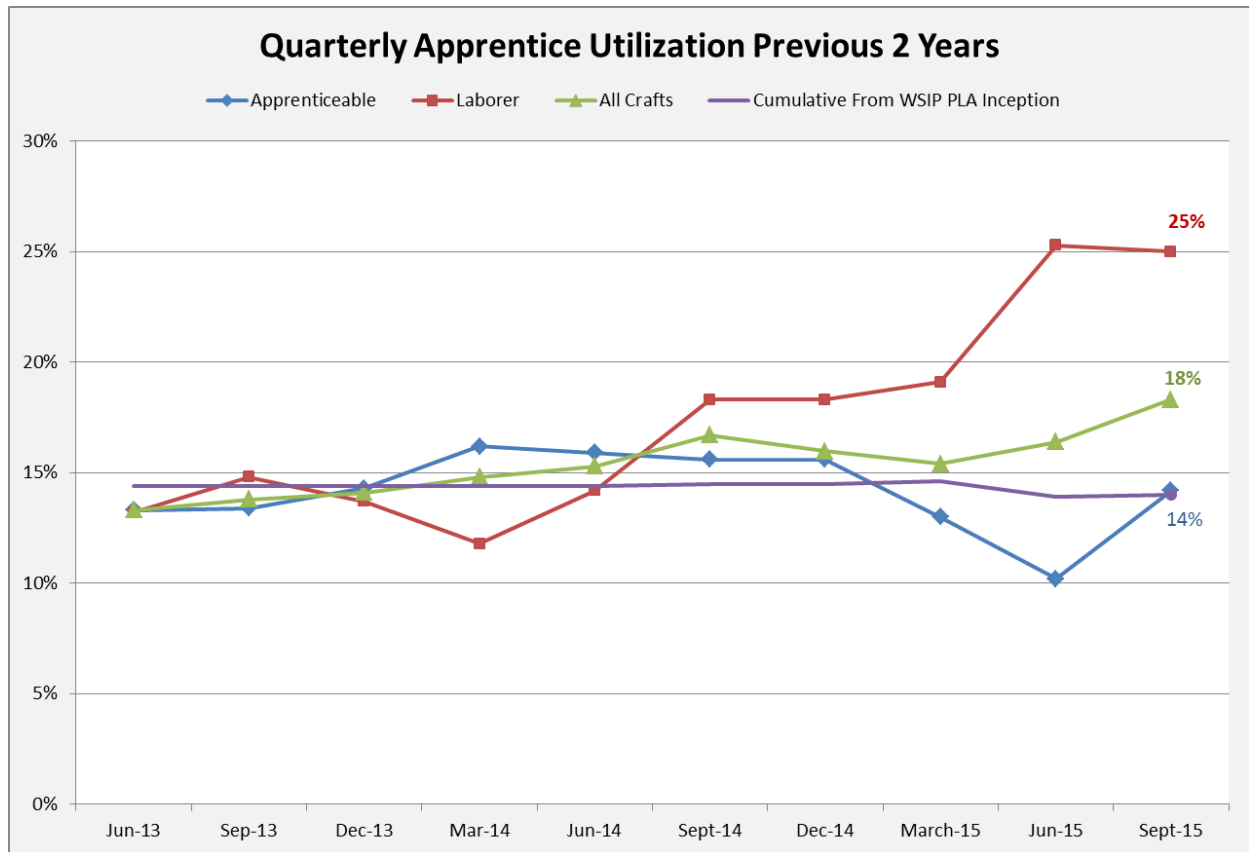
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 14%. This is slightly higher than the 13% mentioned in the *Apprentice Utilization by Craft* chart (page 20), because the chart below reflects the Total Apprenticeable and Labor Hours which is slightly lower than the Total Craft Hours used to calculate the percentage for crafts.

WSIP - Covered by PLA Apprentice Utilization by Project Inception through September 30, 2015											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - Advanced Meter Infrastructure	227,022	226,137	-	885	227,022	79,373	-	79,373	35%	0%	35%
HH-953 - Tesla Portal Protection	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11%	40%	29%
WD-2498 - New Crystal Springs Bypass	117,809	51,330	54,937	11,543	62,872	12,356	5,252	17,607	24%	46%	28%
WD-2641R - Habitat Reserve Program, I	43,922	7,406	52	36,465	43,870	1,467	7,667	9,134	20%	21%	21%
DB-116 - Tesla Treatment Facility	141,840	97,724	1,863	42,254	139,977	16,580	10,380	26,960	17%	25%	19%
WD-2727 - Peninsula Pipeline Seismic U	60,548	25,515	2,842.30	32,191	57,706	3,960	7,146	11,105	16%	22%	19%
WD-2652 - Bioregional Habitat Restorat	104,093	19,404	2,526	82,163	101,567	1,468	17,805	19,273	8%	22%	19%
WD-2552 - Alameda Siphon No. 4 Proj	129,478	75,394	8,009	46,075	121,469	11,675	9,053	20,728	16%	20%	17%
WD-2651R - Peninsula 2011 Watershed	21,669	4,777	3,239	13,654	18,431	763	2,372	3,135	16%	0.17	17%
WD-2575 - San Antonio Backup Pipeline	75,220	45,710	1,151	28,359	74,069	6,486	5,965	12,451	14%	21%	17%
WD-2640 - Bioregional Habitat Restorat	10,605	4,487	813	5,305	9,793	701	914	1,615	14%	17%	17%
WD-2539 - University Mound Reservoir	187,025	106,325	1,199	79,502	185,827	23,847	6,500	30,346	26%	8%	16%
WD-2629 - Seismic Upgrade of Bay Divi	133,316	73,081	1,604	58,632	131,713	8,347	13,037	21,384	0.11	22%	16%
WD-2573 - Pulgas Balancing Reservoir	50,372	35,367	310	14,695	50,061	7,152	673	7,825	20%	5%	16%
HH-914R - Roselle Crossover Improvem	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17%	12%	15%
WD-2582 - Sunol Valley Water Treatme	462,409	293,845	13,013	155,551	449,396	49,266	19,350	68,616	17%	12%	15%
WD-2596 - Harry Tracy Water Treatme	1,010,953	672,242	40,417	298,294	970,535	108,737	35,995	144,731	16%	12%	15%
WD-2600 - Regional Groundwater Stora	6,088	-	4,027	2,061	2,061	-	296	296	0%	14%	14%
WD-2627R - Sutro Reservoir Rehabilitat	154,357	77,206	8,900	68,252	145,457	15,391	5,248	20,639	20%	8%	14%
WD-2551 - Calaveras Dam Replacement	743,616	443,077	22,006	278,533	721,610	48,799	52,365	101,164	11%	19%	14%
WD-2556 - Baden and San Pedro Valve	19,937	11,044	344	8,550	19,593	951	1,788	2,738	9%	21%	14%
WD-2504 - Stanford Heights Reservoir	74,299	40,451	-	33,849	74,299	9,134	757	9,891	23%	2%	13%
WD-2531 - Bay Division Pipelines Relia	574,377	161,810	335,571	76,996	238,806	13,883	17,719	31,602	9%	23%	13%
WD-2513 - San Andreas Pipeline No.3 I	82,356	28,627	10,820	42,909	71,535	3,994	5,317	9,311	14%	12%	13%
WD-2622 - San Francisco Groundwater	17,758	4,623	1,682	11,453	16,076	266	1,827	2,092	6%	16%	13%
WD-2566 - San Antonio Pump Station	14,916	8,241	137	6,539	14,779	859	939	1,798	10%	14%	12%
HH-935C - San Joaquin Pipeline System	144,007	89,193	1,840	52,974	142,167	8,862	8,401	17,263	10%	16%	12%
WD-2601 - Crystal Springs / San Andre	488,398	300,641	57,403	130,355	430,995	37,721	10,835	48,556	13%	8%	11%
WD-2469 - Forest Knolls Pump Station	26,552	17,167	49	9,337	26,503	2,888	19	2,907	17%	0%	11%
WD-2555 - Crystal Springs Pipeline No.	127,743	49,079	9,727	68,938	118,016	7,559	5,394	12,953	15%	8%	11%
WD-2548 - Lake Merced Pump Station	101,056	72,288	2,264	26,504	98,792	10,678	137	10,815	15%	1%	11%
HH-935A - San Joaquin Pipeline System	84,472	53,738	839	29,895	83,633	5,351	3,652	9,003	10%	12%	11%
HH-935B - San Joaquin Pipeline System	100,478	52,964	11,917	35,598	88,561	4,059	5,243	9,302	8%	15%	11%
WD-2501 - Alemany Pump Station	74,094	54,304	48	19,741	74,046	7,406	223	7,629	14%	1%	10%
WD-2541 - Bay Division Pipeline No. 5	208,220	89,081	12,797	106,342	195,423	10,018	10,170	20,188	11%	10%	10%
WD-2542 - Bay Division Pipeline No. 5	287,972	90,615	31,454	165,904	256,518	7,049	19,153	26,202	8%	12%	10%
WD-2568 - BDPL Nos. 3&4 Crossover F	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12%	5%	10%
WD-2591 - Lower Crystal Springs Dam	98,686	40,896	1,323	56,467	97,363	4,833	3,853	8,685	12%	7%	9%
WD-2665 - Bay Division Pipeline Reliab	21,967	10,548	234	11,185	21,733	168	1,741	1,909	2%	16%	9%
WD-2668 - Regional Groundwater Stora	15,982	9,118	167.75	6,697	15,814	1,293	98.50	1,391	14%	0.02	9%
WD-2581 - New Irvington Tunnel	716,587	537,580	98,603	80,404	617,984	31,661	19,689	51,350	6%	25%	8%
WD-2666 - Bioregional Habitat Restorat	23,458	16,674	336.00	6,448	23,122	228	1,614.50	1,843	1%	0.25	8%
WD-2589 - Supervisory Control and Da	1,498	728	-	771	1,498	115	-	115	16%	0%	8%
WD-2623 - Harding Park Recycled Wat	22,726	7,868	456	14,402	22,270	696	949	1,645	9%	7%	7%
WD-2543 - North University Mound Sy	53,226	14,375	7,051	31,800	46,175	743	2,255	2,998	5%	7%	7%
WD-2621R - San Francisco Groundwater	3,822	1,867	-	1,955	3,822	97	124	221	5%	6%	6%
WD-2511 - Standby Power Facilities, V	11,261	9,032	-	2,230	11,261	626	-	626	7%	0%	6%
WD-2529 - Noe Valley Transmission M	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0%	8%	6%
WD-2564 - Harry Tracy Water Treatme	43,047	22,610	80	20,358	42,967	2,089	-	2,089	9%	0%	5%
WSIP - Covered by PLA	7,214,029	4,104,085	756,502	2,353,441	6,457,526	575,276	327,090	902,366	14.0%	13.9%	14.0%

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The following chart indicates Quarterly Apprentice Utilization over the past two years ending September 30, 2015. The Laborers have worked a substantial amount of hours and are highlighted below. Percentages compared to last quarter are as follows; the Laborers Apprentice Utilization remains consistent at 25%, the Laborer and Apprenticeable crafts combined show a slight increase of 1.6%, the overall cumulative percentage has a 0.1% increase, and the Apprenticeable trades show an increase of 3.8%.



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Jobs Training and Opportunities Program (JTOP)

As of September 30, 2015, the SFPUC and City staff have referred 532 Apprentices and 277 Journeymen to WSIP PLA-covered Projects from our community-based partners in Job Training Programs and through the Labor Unions. These 809 individuals represent 10.5% of the total hours worked and 8% of the wages earned.

WSIP-PLA Referred Workers By Job Training and Opportunities Program Inception Through September 30, 2015						
Referred Apprentice Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Apprentices	% Of Total Apprentice Hours	% Of Total Apprentice Wages
CityBuild Academy	49	37,226	\$ 922,967	3.1%	4.1%	3.9%
CityBuild Referral Services	63	32,320	\$ 832,202	4.0%	3.6%	3.6%
Cypress Mandela Training Center, Inc.	35	53,604	\$ 1,257,400	2.2%	5.9%	5.4%
Helmets to Hardhats	1	3,339	\$ 80,910	0.1%	0.4%	0.3%
Job Corps	1	4,328	\$ 129,666	0.1%	0.5%	0.6%
JobTrain's Project Build	57	77,982	\$ 1,851,759	3.5%	8.6%	7.9%
Northern California Construction and Training	7	7,233	\$ 158,276	0.5%	0.8%	0.7%
San Joaquin County Office of Ed. YouthBuild	11	16,900	\$ 364,200	0.7%	1.9%	1.6%
SFPUC	63	55,468	\$ 1,444,785	4.0%	6.1%	6.2%
Sponsor	6	26,062	\$ 659,653	0.4%	2.9%	2.8%
Union	239	186,107	\$ 4,724,641	15.1%	20.6%	20.1%
Total Referred Apprentice Workers	532	500,567	\$ 12,426,458	34%	56%	53%
Non-Referred Apprentices	1,056	401,799	\$ 10,993,180	67%	45%	47%
Total Apprentices	1,588	902,366	\$ 23,419,638	100%	100%	100%
Referred Journeyman Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Journey Level Workers	% Of Total Journey Hours	% Of Total Journey Wages
CityBuild Academy	8	7,679	\$ 254,223	0.1%	0.1%	0.1%
CityBuild Referral Services	71	49,762	\$ 2,153,119	0.8%	0.8%	0.9%
Cypress Mandela Training Center, Inc.	8	8,893	\$ 284,064	0.1%	0.2%	0.2%
Helmets to Hardhats	1	13	\$ 498	0.0%	0.0%	0.0%
Job Corps	1	37	\$ 1,489	0.0%	0.0%	0.0%
JobTrain's Project Build	13	17,011	\$ 528,722	0.2%	0.3%	0.2%
Northern California Construction and Training	1	1,640	\$ 42,809	0.0%	0.0%	0.0%
San Joaquin County Office of Ed. YouthBuild	1	222	\$ 5,099	0.0%	0.0%	0.0%
SFPUC	32	45,944	\$ 1,599,010	0.3%	0.7%	0.6%
Sponsor	2	1,165	\$ 39,234	0.0%	0.0%	0.0%
Union	139	122,934	\$ 4,564,898	1.4%	1.9%	1.7%
Total Referred Journeyman Workers	277	255,296	\$ 9,473,165	2.8%	4.0%	3.7%
Non-Referred Journeymen	9,559	6,056,366	\$ 247,180,875	97.2%	96.0%	96.3%
Total Journeymen	9,836	6,311,662	\$ 256,654,040	100%	100%	100%
Total Workforce						
Total Referred Workers (J+A)	809	755,863	\$ 21,899,623	6.5%	10.5%	8%
All Non-Referred Workers						
All Non-Referred Workers	10,615	6,458,166	\$ 258,174,055	93.5%	89.5%	92%
Total Workforce	11,424	7,214,029	\$ 280,073,679	100%	100%	100%

Note: Because of the statistics method's distinction, the result of the worker count in this report is different from other reports.

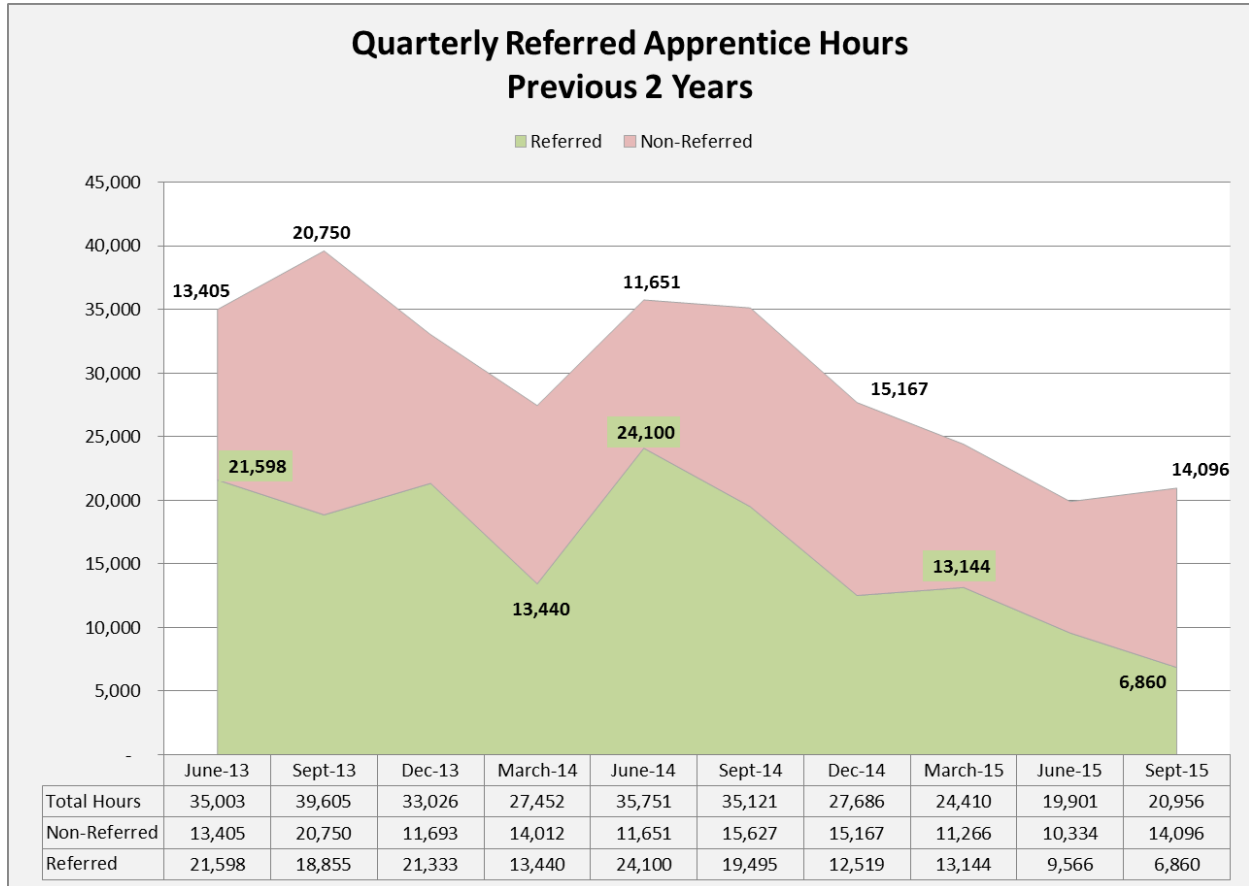
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The table below illustrates *JTOP Referred Worker Utilization by Project* with the greatest total project participation listed first.

Referred Worker Utilization by WSIP-PLA Covered Project Inception through September 30, 2015									
Project	Total Craft Hours			Referred Hours			Referred Utilization %		
	Total Hours	Total Apprentice Hours	Total Journey Hours	Referred Apprentice Hours	Referred Journey Hours	Total Referred Hours	Referred Apprentice %	Referred Journey %	Total Referred %
HH-953 - Tesla Portal Protec	11,512	3,255	8,257	3,247	865	4,112	100%	10.5%	35.7%
WD-2651R Peninsula 2011 W	21,429	3,135	18,295	2,372	2,667	5,039	76%	14.6%	23.5%
WD-2623 - Harding Park Rec	22,726	1,645	21,081	1,280	3,659	4,938	78%	17.4%	21.7%
WD-2652 Bioregional Habita	102,740	18,513	84,227	13,622	2,914	16,535	74%	3.5%	16.1%
HH-935C - San Joaquin Pipel	144,007	17,263	126,744	14,185	8,693	22,877	82%	6.9%	15.9%
WD-2555 - Crystal Springs Pi	127,743	12,953	114,791	12,193	7,984	20,177	94%	7.0%	15.8%
WD-2552 - Alameda Siphon	129,478	20,728	108,750	16,749	3,356	20,105	81%	3.1%	15.5%
WD-2629 Seismic Upgrade o	125,065	19,357	105,707	15,145	3,992	19,137	78%	3.8%	15.3%
WD-2539 - University Moun	187,025	30,346	156,679	14,817	12,647	27,463	49%	8.1%	14.7%
WD-2548 - Lake Merced Pun	101,056	10,815	90,241	4,034	10,787	14,821	37%	12.0%	14.7%
WD-2641R Habitat Reserve f	43,086	8,606	34,480	4,844	1,344	6,188	56%	3.9%	14.4%
WD-2627R Sutro Reservoir R	154,357	20,639	133,718	16,028	6,080	22,107	78%	4.5%	14.3%
WD-2640 Bioregional Habita	10,581	1,607	8,974	1,391	75	1,466	87%	0.8%	13.9%
WD-2665 Bay Division Pipel	21,967	1,909	20,059	1,848	1,135	2,983	97%	5.7%	13.6%
WD-2601 - Crystal Springs / S	486,522	48,328	438,193	38,149	27,000	65,149	79%	6.2%	13.4%
WD-2551 Calaveras Dam Rep	680,655	87,667	592,988	68,485	18,306	86,791	78%	3.1%	12.8%
WD-2727 Peninsula Pipeline	49,068	8,816	40,252	3,862	2,389	6,251	44%	5.9%	12.7%
WD-2666 Bioregional Habita	23,402	1,843	21,559	778	2,039	2,817	42%	9.5%	12.0%
WD-2596 - Harry Tracy Wate	1,000,804	143,493	857,311	79,394	36,177	115,571	55%	4.2%	11.5%
WD-2591 - Lower Crystal Spr	98,686	8,685	90,000	6,917	4,086	11,003	80%	4.5%	11.1%
WD-2513 - San Andreas Pipe	82,356	9,311	73,045	8,522	513	9,035	92%	0.7%	11.0%
CS-936 - Advanced Meter In	227,022	79,373	147,649	4,405	20,110	24,515	6%	13.6%	10.8%
WD-2556 - Baden and San Pe	19,937	2,738	17,199	2,057	98	2,155	75%	0.6%	10.8%
WD-2575 San Antonio Backu	74,907	12,432	62,475	4,220	3,127	7,347	34%	5.0%	9.8%
WD-2622 San Francisco Grou	17,758	2,092	15,666	261	1,429	1,690	13%	9.1%	9.5%
WD-2531 - Bay Division Pipe	572,959	31,602	541,357	27,311	26,382	53,693	86%	4.9%	9.4%
WD-2542 - Bay Division Pipe	287,972	26,202	261,770	20,197	4,770	24,967	77%	1.8%	8.7%
HH-935B - San Joaquin Pipel	100,478	9,302	91,176	5,795	1,923	7,717	62%	2.1%	7.7%
WD-2582 - Sunol Valley Wat	462,409	68,616	393,794	27,121	8,277	35,398	40%	2.1%	7.7%
WD-2469 - Forest Knolls Pur	26,552	2,907	23,645	1,961	32	1,993	68%	0.1%	7.5%
WD-2504 - Stanford Heights	74,299	9,891	64,408	1,336	4,241	5,577	14%	6.6%	7.5%
WD-2541 - Bay Division Pipe	208,220	20,188	188,033	10,927	3,718	14,645	54%	2.0%	7.0%
WD-2668 Regional Groundw	3,659	-	3,659	-	254	254	-	6.9%	6.9%
WD-2581 - New Irvington Tu	695,701	50,608	645,093	35,125	12,000	47,125	69%	1.9%	6.8%
DB-116 - Tesla Treatment Fa	141,840	26,960	114,881	7,419	1,884	9,303	28%	1.6%	6.6%
WD-2529 - Noe Valley Trans	22,511	1,133	21,378	1,133	263	1,396	100%	1.2%	6.2%
WD-2566 - San Antonio Pum	14,916	1,798	13,118	931	-	931	52%	0.0%	6.2%
WD-2501 - Alemany Pump S	74,094	7,629	66,465	3,275	1,175	4,450	43%	1.8%	6.0%
WD-2573 - Pulgas Balancing	50,372	7,825	42,547	1,458	1,282	2,740	19%	3.0%	5.4%
WD-2543 - North University	53,226	2,998	50,228	2,550	106	2,656	85%	-	5.0%
WD-2600 Regional Groundw	6,088	296	5,792	296	-	296	100%	-	4.9%
HH-935A - San Joaquin Pipel	84,472	9,003	75,469	3,595	422	4,017	40%	0.6%	4.8%
WD-2568 - BDPL Nos. 3&4 Cr	47,910	4,538	43,373	2,020	185	2,205	45%	-	4.6%
WD-2564 - Harry Tracy Wate	43,047	2,089	40,959	1,329	183	1,512	64%	-	3.5%
HH-914R - Roselle Crossover	12,859	1,943	10,917	256	32	288	13%	-	2.2%
WD-2498 - New Crystal Sprin	117,809	17,607	100,202	314	291	605	2%	-	0.5%
WD-2511 - Standby Power F	11,261	626	10,635	-	4	4	-	-	-
WD-2589 - Supervisory Cont	1,498	115	1,383	-	-	-	-	-	-
WD-2621R San Francisco Grc	1,341	116	1,225	-	-	-	-	-	-
Total WSIP PLA	7,079,380	879,535	2,307,243	493,145	248,890	742,035	56%	4.0%	10.5%

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The following chart summarizes *Referred and Non-referred Apprentices Quarterly Hours Earned* on all WSIP PLA-covered projects over the past eight quarters. With a low point of 6,860 referred hours in this quarter ending September 30, 2015, these hours accumulated 33%, of all apprentice hours in this period. This trend should be expected as the WISP Projects come to a close.



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Substance Abuse Prevention

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

13,293 pre-employment tests have been administered as of September 30, 2015 to people who were cleared to work. 167 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 **1.3%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Enterprise.

WSIP - Covered by PLA - Substance Abuse Testing Summary Tests Administered to Individuals Cleared to Work through September 30, 2015	
Project	Number Cleared
*WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,400
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
*WD-2551 Calaveras Dam Replacement Project	1,107
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
*WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
*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
HH-935B - San Joaquin Pipeline System - Western Segment	207
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-2575 San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	123
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	98
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
WD-2566 - San Antonio Pump Station Upgrades Project	70
HH-914R - Roselle Crossover Improvements	63
WD-2651R Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Skyline Blvd	63
*WD-2727 Peninsula Pipeline Seismic Upgrade	61
WD-2543 - North University Mound System Upgrade	55
*WD-2668 Regional Groundwater Storage and Recovery	78
WD-2665 Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Microtunnel	43
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-2529 - Noe Valley Transmission Main - Phase II	27
WD-2641R Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grasslands	23
*WD-2622 San Francisco Groundwater Supply Pipeline	22
WD-2600 Regional Groundwater Storage and Recovery Project- Test Well Drilling	22
*WD-2621R San Francisco Groundwater Supply Well Stations	38
HH-953 - Tesla Portal Protection	7
WD-2623 - Harding Park Recycled Water Project	7
*WD-2640 Bioregional Habitat Restoration	-
Total Cleared	13,126

* Indicates Active Contracts

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Legislative History of the WSIP PLA

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

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

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

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

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

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

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Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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



HETCH HETCHY

WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended December 31, 2015 (Second Quarter FY 2015-2016)

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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 WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.014 billion in original contract award through December 31, 2015.

Construction Activity Highlights – Program-to-Date

Contracting:

- Fifty (50) construction contracts with a value of \$2.014 Billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 12,428 construction workers were employed for 7,318,453 hours and earned wages of \$284,165,588 on WSIP PLA-covered projects.
- 1,015 San Francisco residents worked 503,244 hours and earned \$18,693,860 on WSIP PLA-Covered Projects representing 7% of covered hours and 242 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. 5,204 residents of the Service Territory earned wages of \$111,226,585 and worked 2,926,136 hours, representing 40.5% of covered hours and 1,407 full-time equivalent worker years.
- 13,312 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of December 31, 2015. 169 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, 2015			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	12,428	7,318,453	\$284,165,588	3,518
San Francisco	1,041	511,096	\$ 19,002,371	246
SFPUC Service Territory	5,273	2,971,503	\$112,929,496	1,429
Outside	6,397	3,835,854	\$152,233,721	1,844

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Construction Activity Highlights – Quarter Ending December 31, 2015

Contracting:

- WD-2654R Peninsula Vegetation Removal was awarded to NTK Construction, Inc. on October 27, 2015 for a total contract amount of \$11,060,544. The work on this contract primarily will remove non-native species of plants and trees from the watershed areas surrounding Crystal Springs Reservoir.

Employment:

- 480 construction workers were employed for 85,344 hours and earned wages of \$3,241,623 on WSIP PLA-covered projects.
- 39 San Francisco residents worked 5,623 hours and earned wages of \$210,828 on WSIP PLA-Covered projects.
- The SFPUC Regional Service Territory consists of zip codes outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 206 residents of the Service Territory worked 37,548 hours and earned wages of \$1,368,841 on WSIP PLA-Covered projects.
- 186 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and only two individuals were prevented from working as the result of a positive test.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending December 31, 2015			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	480	85,344	\$3,241,623	41
San Francisco	39	5,623	\$ 210,828	3
SFPUC Service Territory	206	37,548	\$1,368,841	18
Outside	238	42,174	\$1,661,954	20

*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 accepted total hours worked per year based on a 40 hour work week.

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Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through December 31, 2015					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$11 Million	11,062,544
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	42,980,047
01/13/15	WD-2621R*	Western Water	San Francisco Groundwater Supply Well Stations	\$16 Million	14,955,100
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	31,372,335
06/26/12	WD-2627R*	S.J. Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Point	\$5.9 to \$6.7 Million	5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well Drilling	\$3.6 to \$4.2 Million	2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas...	\$6.4 Million	6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	\$6.5 Million	5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	3,847,250
09/22/09	WD-2573	S.J. Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Alemany Pump Station	\$18 to \$22 Million	23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	17,899,960
Total 50 Projects					\$ 2,014,295,300

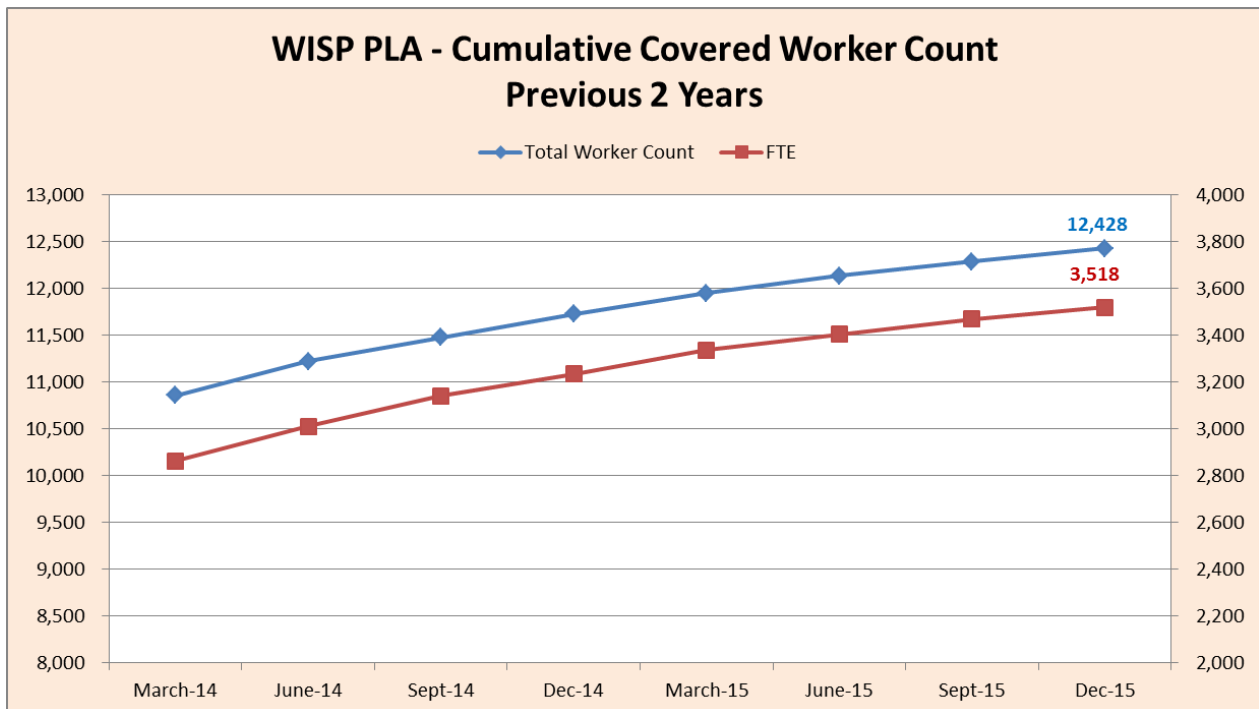
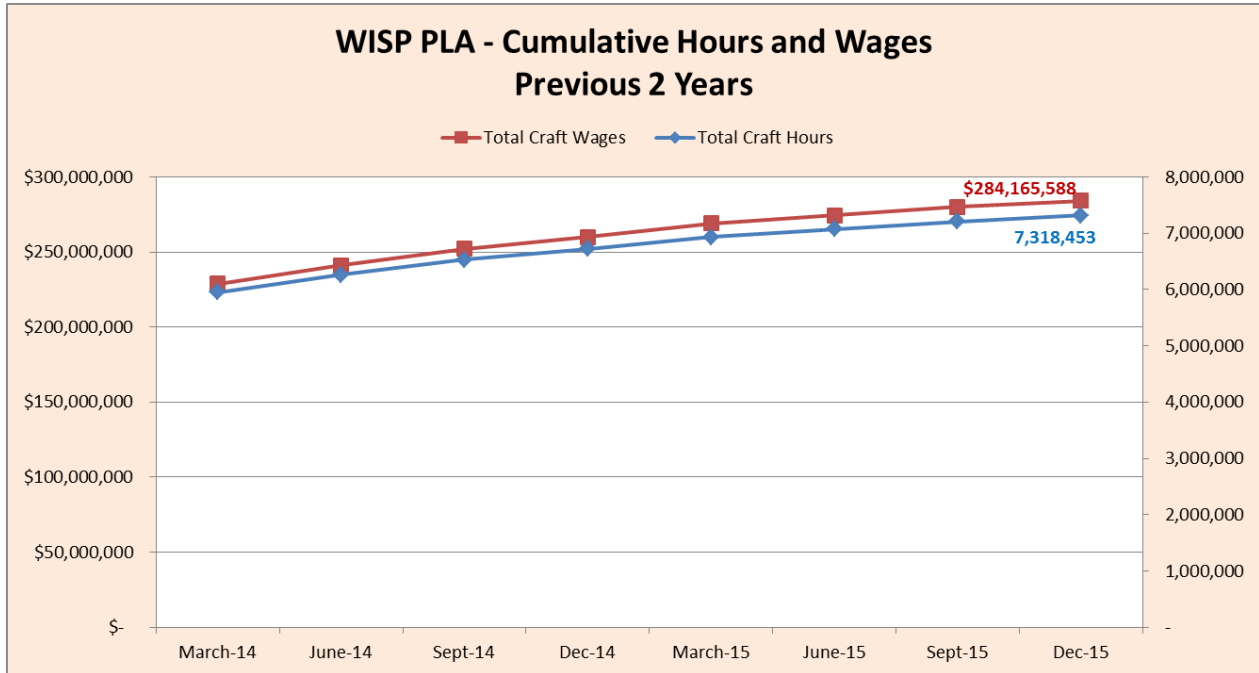
* Indicates projects located in San Francisco

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Summary Charts

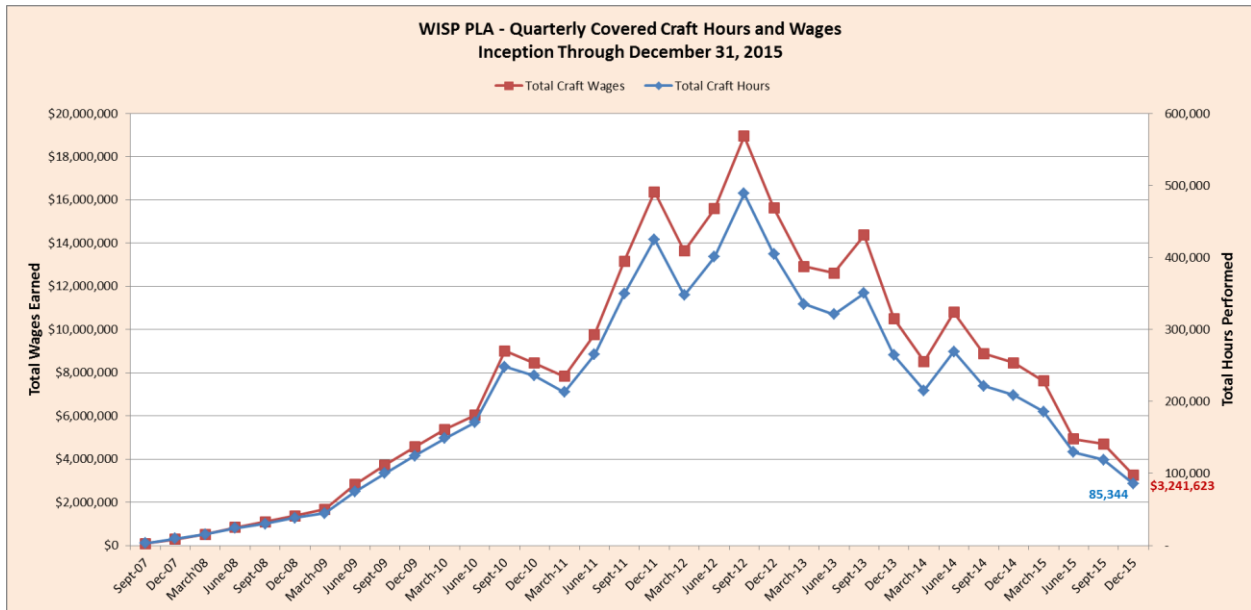
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending December 31, 2015; 12,428 workers on WSIP PLA-covered projects have achieved a cumulative total of 7,318,453 craft hours and \$284,165,588 in craft wages.

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

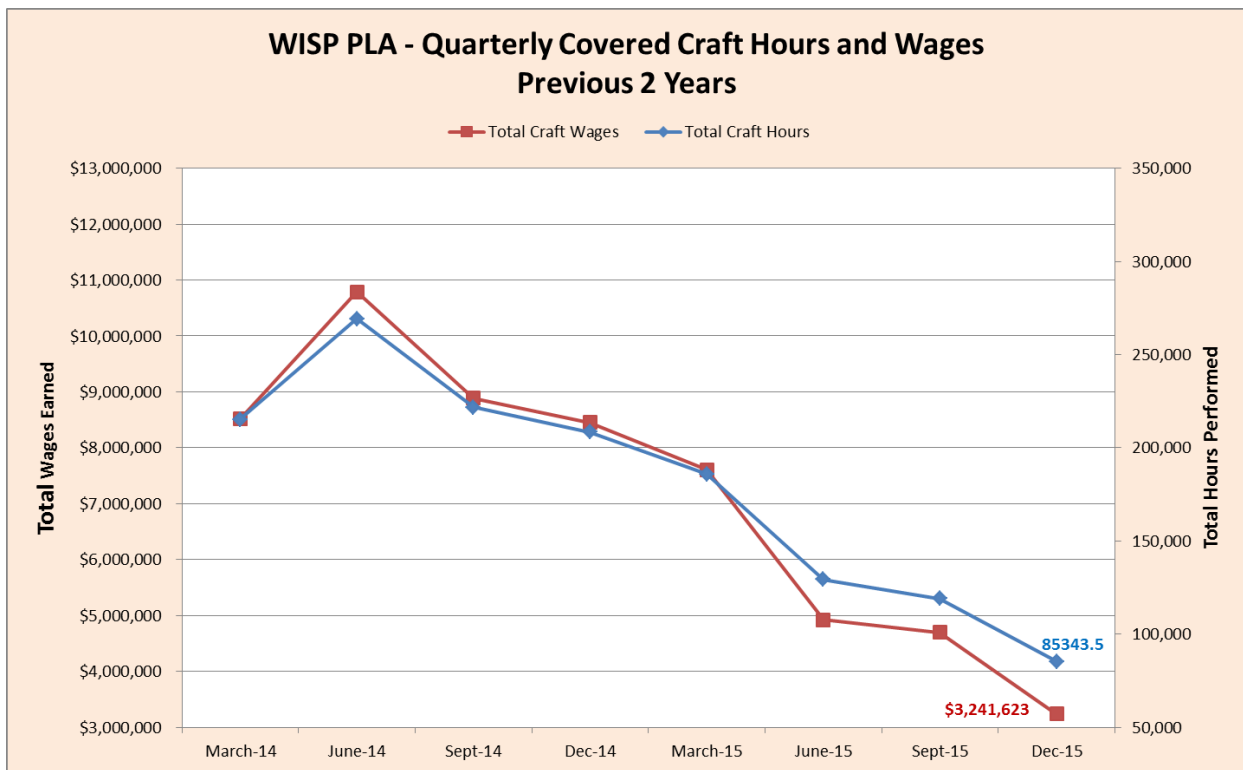


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 90% total completion, Craft Hours have begun and will continue to trend down until total completion.



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



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Craft Utilization on WSIP PLA-Covered Projects

As of December 31, 2015, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 32 craft areas.

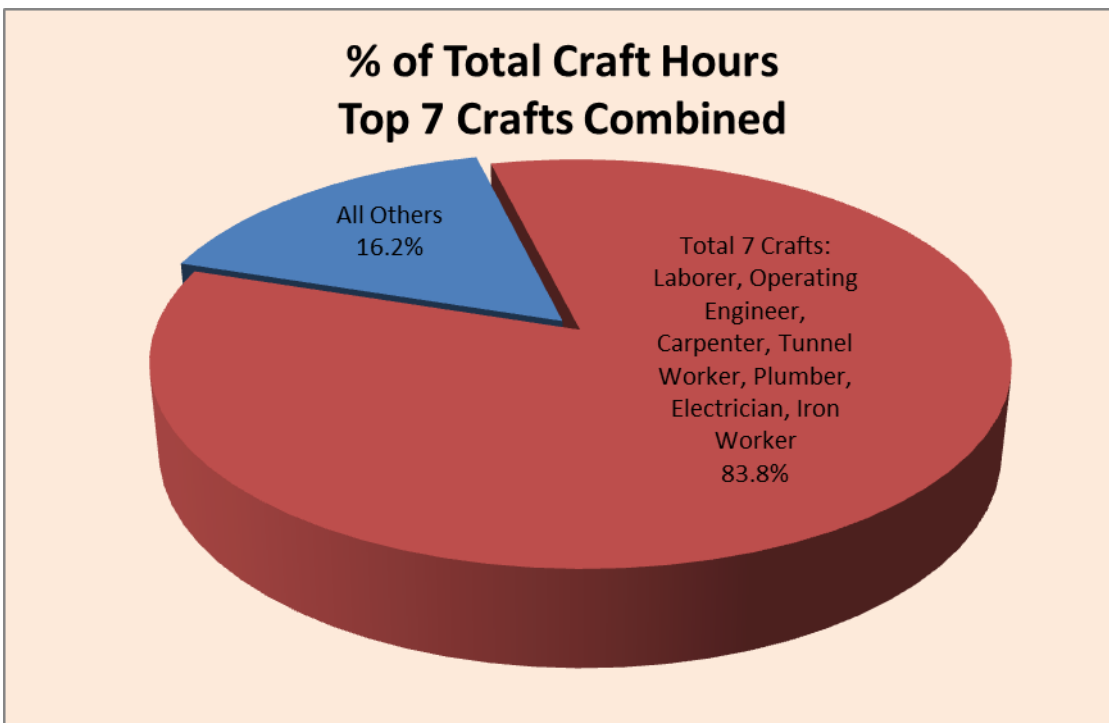
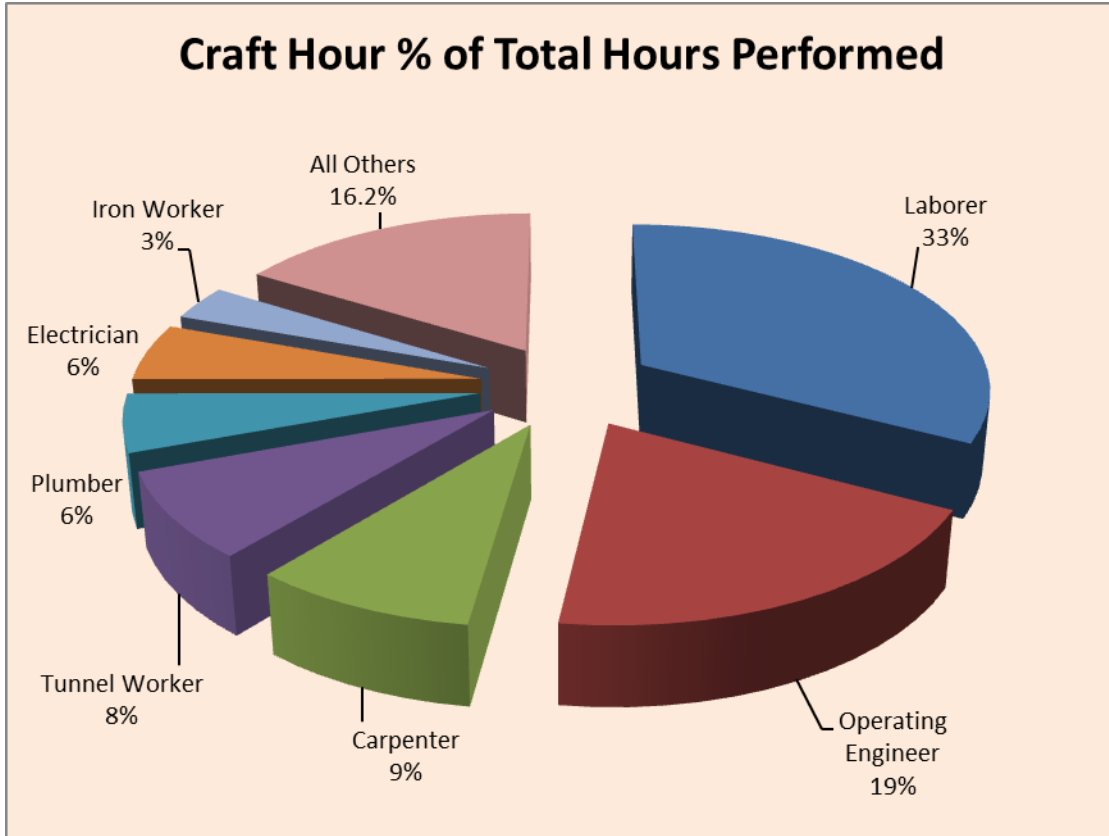
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers respectively represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed by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

Sorted by Total Craft Hours

Cumulative Employment by Craft					
Inception Through December 31, 2015					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
LABORER	2,394,029	\$ 71,981,517	32.7%	25.3%	1,151
OPERATING ENGINEER (Combined)	1,477,632	\$ 58,752,919	20.2%	20.7%	710
CARPENTER	650,730	\$ 26,920,516	8.9%	9.5%	313
TUNNEL WORKER (LABORER)	608,864	\$ 25,722,460	8.3%	9.1%	293
PLUMBER	408,822	\$ 19,021,932	5.6%	6.7%	197
ELECTRICIAN	402,684	\$ 21,122,173	5.5%	7.4%	194
IRON WORKER	244,712	\$ 8,231,420	3.3%	2.9%	118
Top 7 Sub-Total	6,187,472	\$ 231,752,937	84.5%	81.6%	2,975
PILE DRIVER (CARPENTER)	157,963	\$ 8,465,872	2.2%	3.0%	76
PAINTER	137,006	\$ 5,157,861	1.9%	1.8%	66
BOILERMAKER-BLACKSMITH	117,588	\$ 6,175,743	1.6%	2.2%	57
CEMENT MASON	112,998	\$ 3,914,467	1.5%	1.4%	54
BUILDING/CONSTRUCTION INSPECTOR	53,669	\$ 2,168,984	0.7%	0.8%	26
ROOFER	44,762	\$ 1,528,298	0.6%	0.5%	22
FIELD SURVEYOR	19,563	\$ 791,039	0.3%	0.3%	9
SHEET METAL WORKER	13,578	\$ 640,221	0.2%	0.2%	7
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	\$ 437,540	0.1%	0.2%	5
BRICKLAYER, BLOCKLAYER	8,473	\$ 322,453	0.1%	0.1%	4
ELECTRICAL UTILITY LINEMAN	6,790	\$ 417,183	0.1%	0.1%	3
GLAZIER	4,089	\$ 177,629	0.1%	0.1%	2
PLASTERER	2,699	\$ 89,254	0.0%	0.0%	1
PLASTER TENDER	961	\$ 31,202	0.0%	0.0%	0
BRICK TENDER	773	\$ 26,072	0.0%	0.0%	0
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	696	\$ 22,438	0.0%	0.0%	0
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166	0.0%	0.0%	0
TILE SETTER	351	\$ 12,929	0.0%	0.0%	0
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	\$ 14,281	0.0%	0.0%	0
TILE FINISHER	277	\$ 5,836	0.0%	0.0%	0
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	0.0%	0.0%	0
TERRAZZO WORKER	199	\$ 8,163	0.0%	0.0%	0
SHEET METAL WORKER (HVAC)	172	\$ 8,402	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	694,061	\$ 30,461,597	9%	10.7%	334
Total Non-Apprenticeable	436,917	\$ 21,951,011	6%	7.7%	210
Total WSIP - Covered by PLA	7,318,453	\$ 284,165,588	100%	100%	3,518

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This chart summarizes WSIP PLA– covered craft employment for trades with the largest number of craft hours as of December 31, 2015. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 69% of craft hours worked on PLA-Covered Projects.



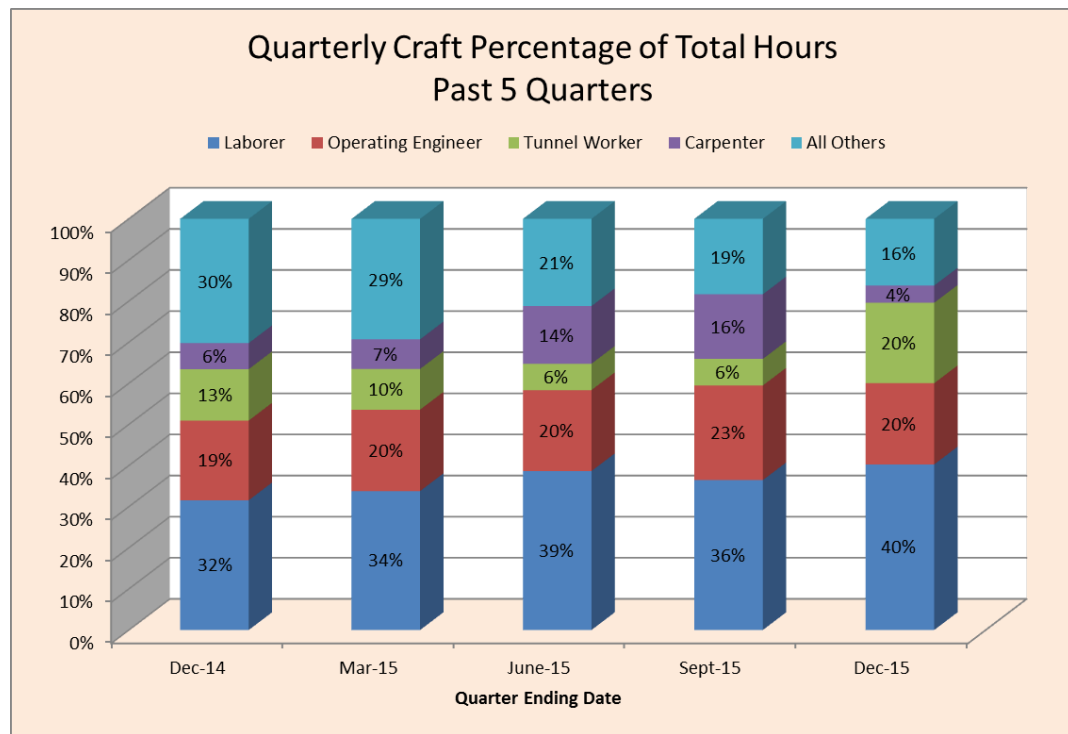
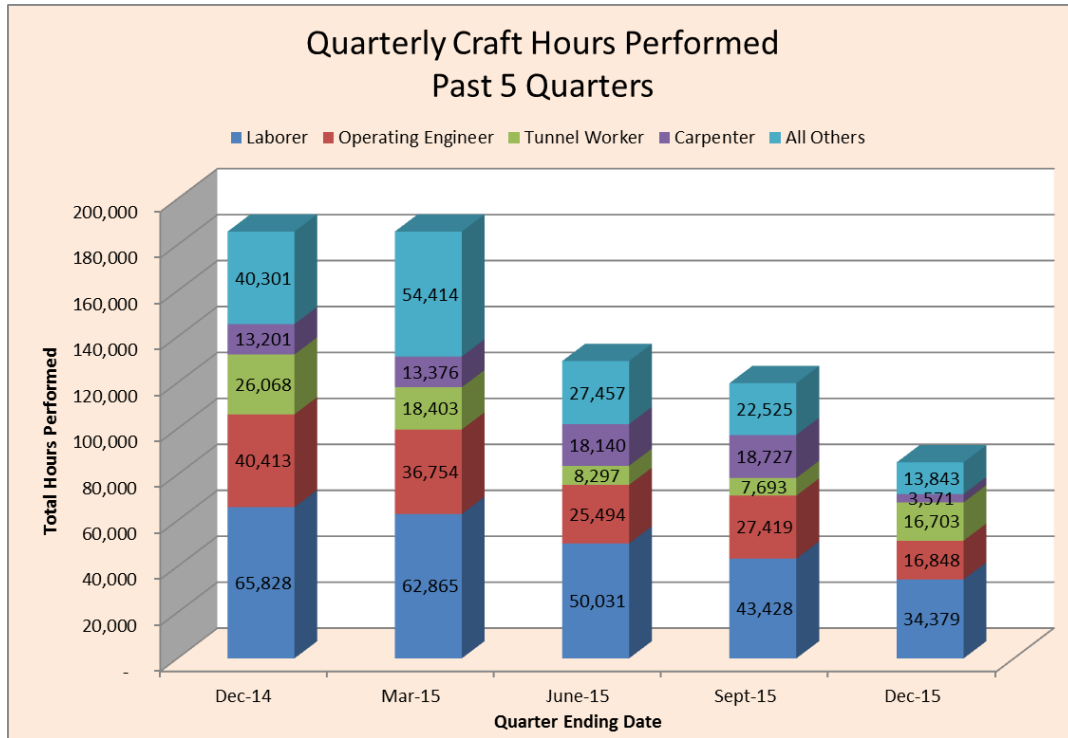
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 12/31/2015 Hours	Quarter Ending 12/31/2015 Wages
LABORER	2,394,029	\$ 71,981,517	34,379	\$ 1,094,108
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)	938,329	\$ 38,526,371	9,771	\$ 437,155
OPERATING ENGINEER	485,870	\$ 17,994,052	6,522	\$ 261,914
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY WORK)	50,796	\$ 2,134,974	555	\$ 27,990
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,637	\$ 97,521	-	\$ -
OPERATING ENGINEER-COMBINED	1,477,632	\$ 58,752,919	16,848	\$ 727,059
CARPENTER AND RELATED TRADES	650,730	\$ 26,920,516	16,703	\$ 722,876
TUNNEL WORKER (LABORER)	608,864	\$ 25,722,460	3,571	\$ 147,132
PLUMBER	408,822	\$ 19,021,932	260	\$ 5,235
ELECTRICIAN	402,684	\$ 21,122,173	2,858	\$ 159,332
IRON WORKER	244,712	\$ 8,231,420	4,080	\$ 138,760
PILE DRIVER (CARPENTER)	157,963	\$ 8,465,872	-	\$ -
PAINTER	137,006	\$ 5,157,861	136	\$ 4,451
BOILERMAKER-BLACKSMITH	117,588	\$ 6,175,743	184	\$ 8,606
CEMENT MASON	112,998	\$ 3,914,467	1,693	\$ 63,010
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER	53,669	\$ 2,168,984	1,486	\$ 55,467
ROOFER	44,762	\$ 1,528,298	790	\$ 24,737
FIELD SURVEYOR	19,563	\$ 791,039	185	\$ 5,771
SHEET METAL WORKER	13,578	\$ 640,221	21	\$ 1,221
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	\$ 437,540	-	\$ -
BRICKLAYER, BLOCKLAYER	8,473	\$ 322,453	-	\$ -
ELECTRICAL UTILITY LINEMAN	6,790	\$ 417,183	-	\$ -
GLAZIER	4,089	\$ 177,629	-	\$ -
PLASTERER	2,699	\$ 89,254	-	\$ -
PLASTER TENDER	961	\$ 31,202	-	\$ -
BRICK TENDER	773	\$ 26,072	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	696	\$ 22,438	-	\$ -
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166	-	\$ -
TILE SETTER	351	\$ 12,929	-	\$ -
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	\$ 14,281	-	\$ -
TILE FINISHER	277	\$ 5,836	-	\$ -
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	-	\$ -
TERRAZZO WORKER	199	\$ 8,163	-	\$ -
SHEET METAL WORKER (HVAC)	172	\$ 8,402	-	\$ -
MARBLE FINISHER	40	\$ 1,342	-	\$ -
TERRAZZO FINISHER	4	\$ 160	-	\$ -
Parking and Highway Improvement (Striper-Laborer)	2	\$ 42	-	\$ -
Total Apprenticable	6,881,535	\$ 262,214,576	83,191	\$ 3,157,766
Non-Apprenticable				
ASBESTOS REMOVAL WORKER (LABORER)	17,057	\$ 431,301	-	\$ -
DREDGER OPERATING ENGINEER	831	\$ 33,307	-	\$ -
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	95,458	\$ 7,011,436	29	\$ 702
IRONWORKER (DB)	80	\$ 2,772	-	\$ -
LANDSCAPE MAINTENANCE LABORER	1,603	\$ 37,748	312	\$ 6,936
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	\$ 24,481	-	\$ -
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK) (SPECIAL SINGLE AND SECOND SHIFT)	94,400	\$ 4,379,984	446	\$ 23,430
PARKING AND HIGHWAY IMPROVEMENT PAINTER (PAINTER)	265	\$ 8,680	1	\$ 35
SLURRY SEAL WORKER	592	\$ 14,870	-	\$ -
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER - HEAVY & HIGHWAY WORK)	282	\$ 12,787	-	\$ -
TEAMSTER	117,586	\$ 5,295,778	1,337	\$ 51,672
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	\$ 291	-	\$ -
TELECOMMUNICATIONS TECHNICIAN	1,160	\$ 37,245	-	\$ -
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	1,001	\$ 35,916	29	\$ 1,082
TREE TRIMMER (HIGH VOLTAGE LINE CLEARANCE)	1,422	\$ 36,006	-	\$ -
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY WORK)	92,220	\$ 4,133,863	-	\$ -
WATER WELL DRILLER	12,317	\$ 454,543	-	\$ -
Total Non-Apprenticable	436,917	\$ 21,951,011	2,153	\$ 83,857
Total Apprenticable	6,881,535	\$ 262,214,576	83,191	\$ 3,325,481
Total WSIP	7,318,453	\$ 284,165,588	85,344	\$ 3,409,338

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

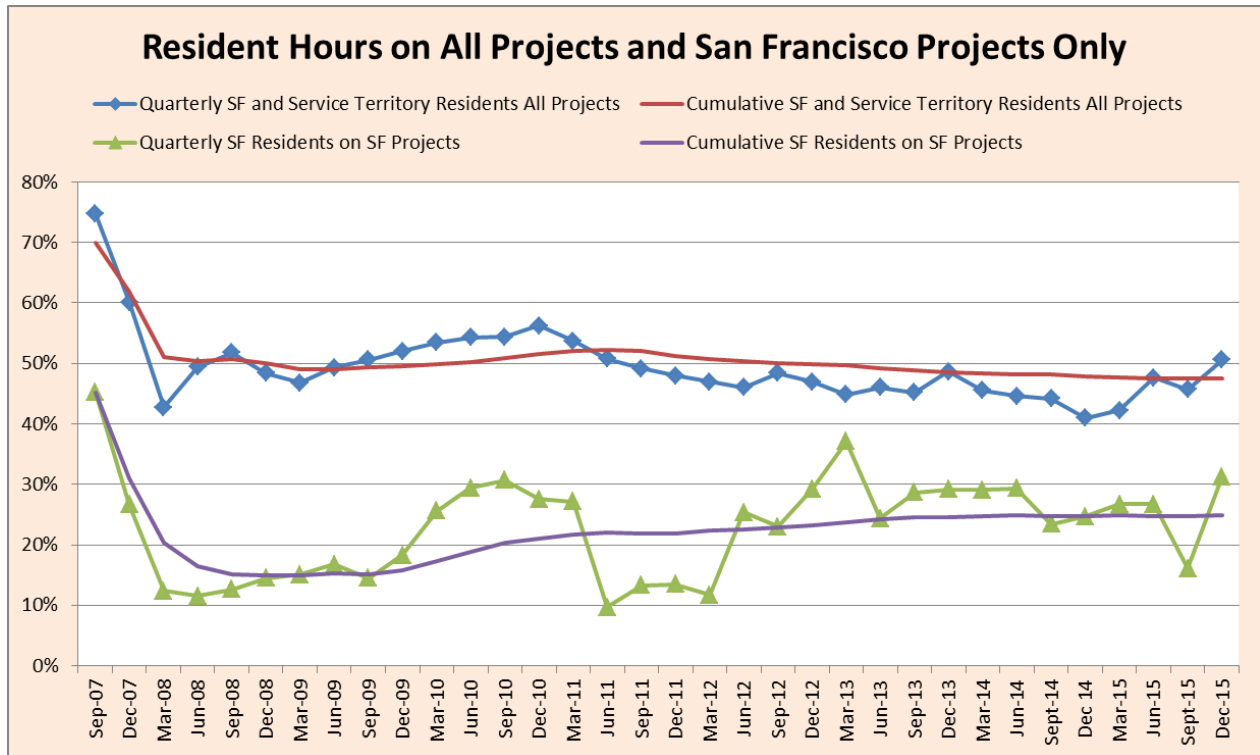


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Worker Residence on the WSIP PLA

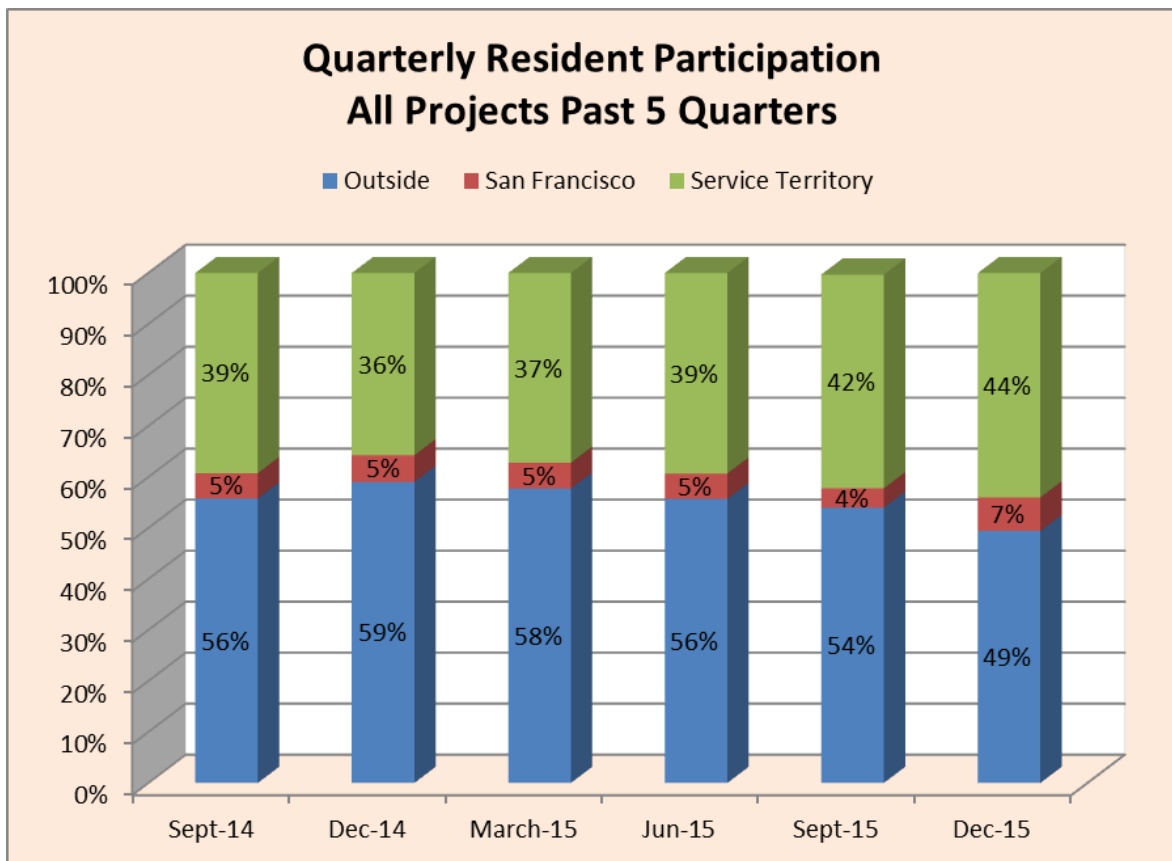
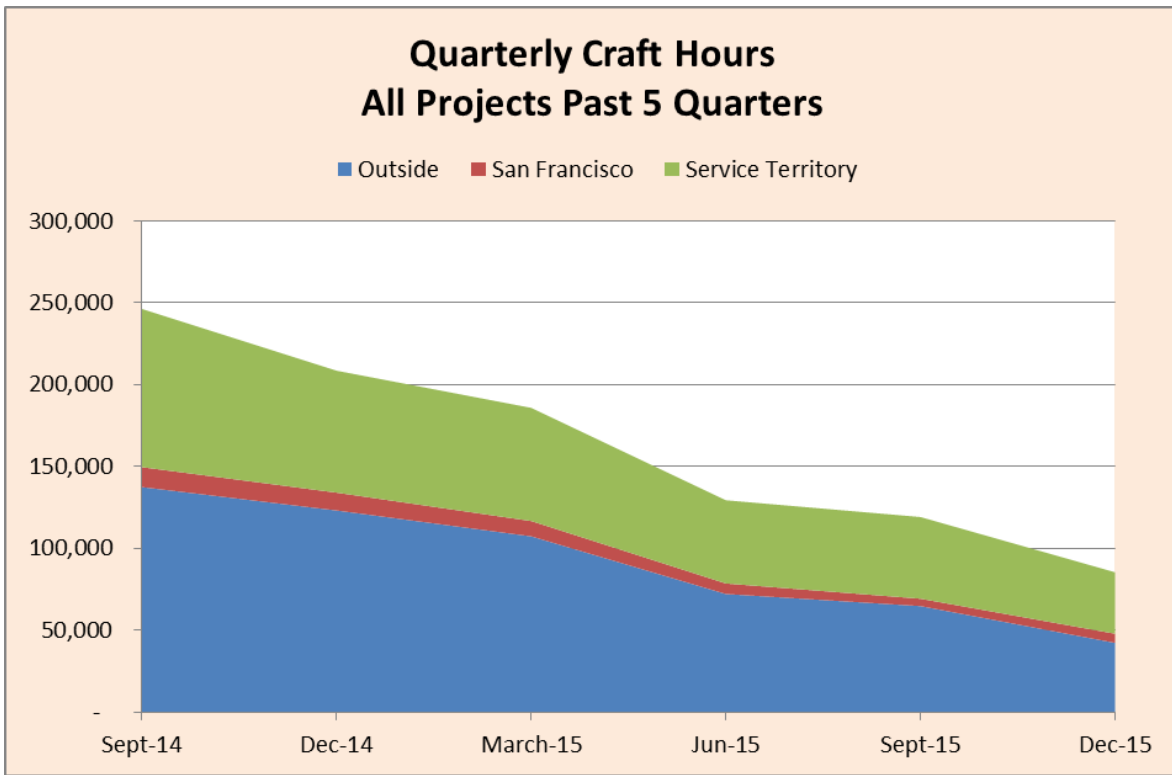
The Regional Service Territory covering seven counties is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Service Territory on WSIP PLA-covered projects through December 31, 2015.



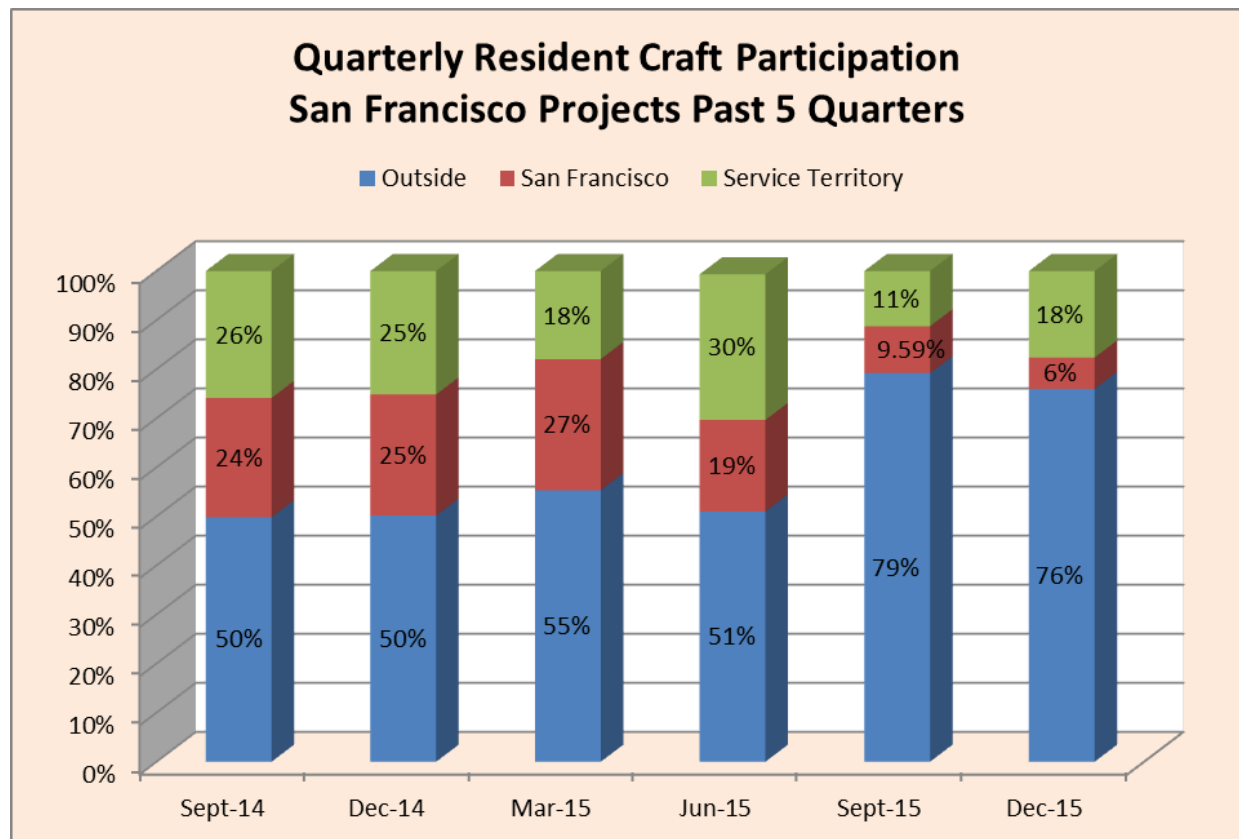
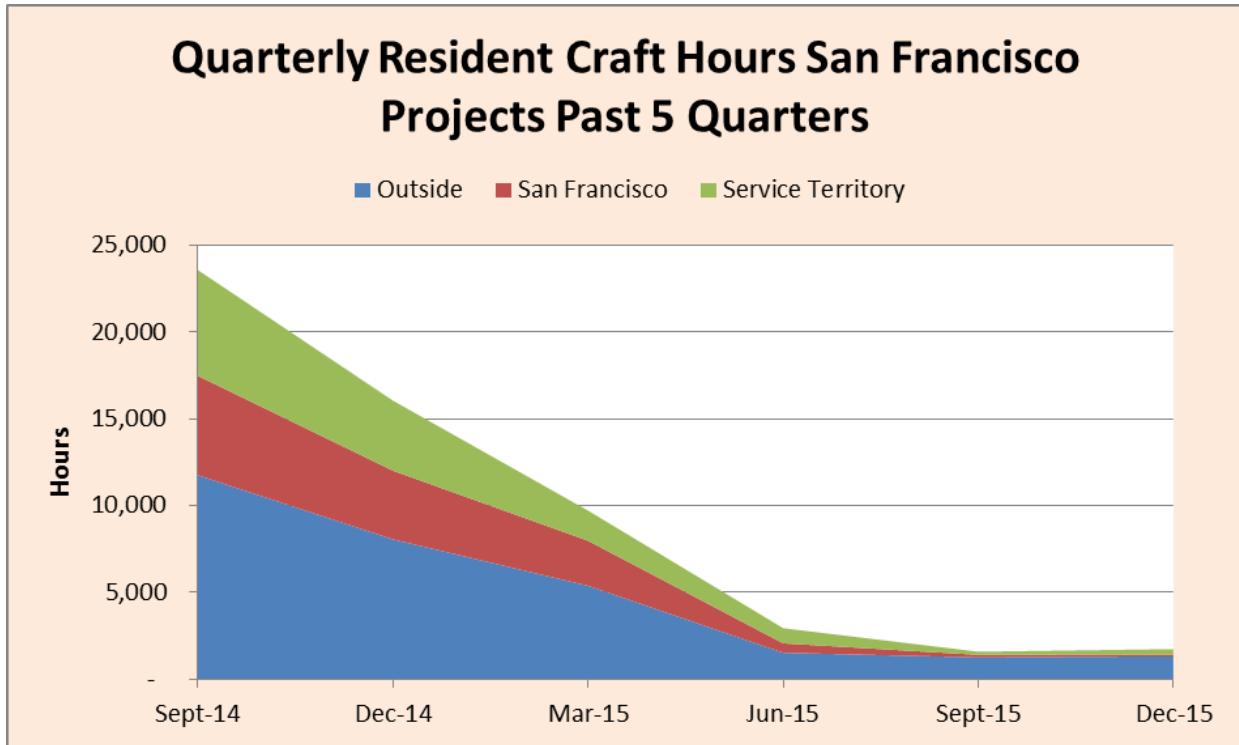
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Residence on ALL WSIP PLA Projects - Charted are the 50 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



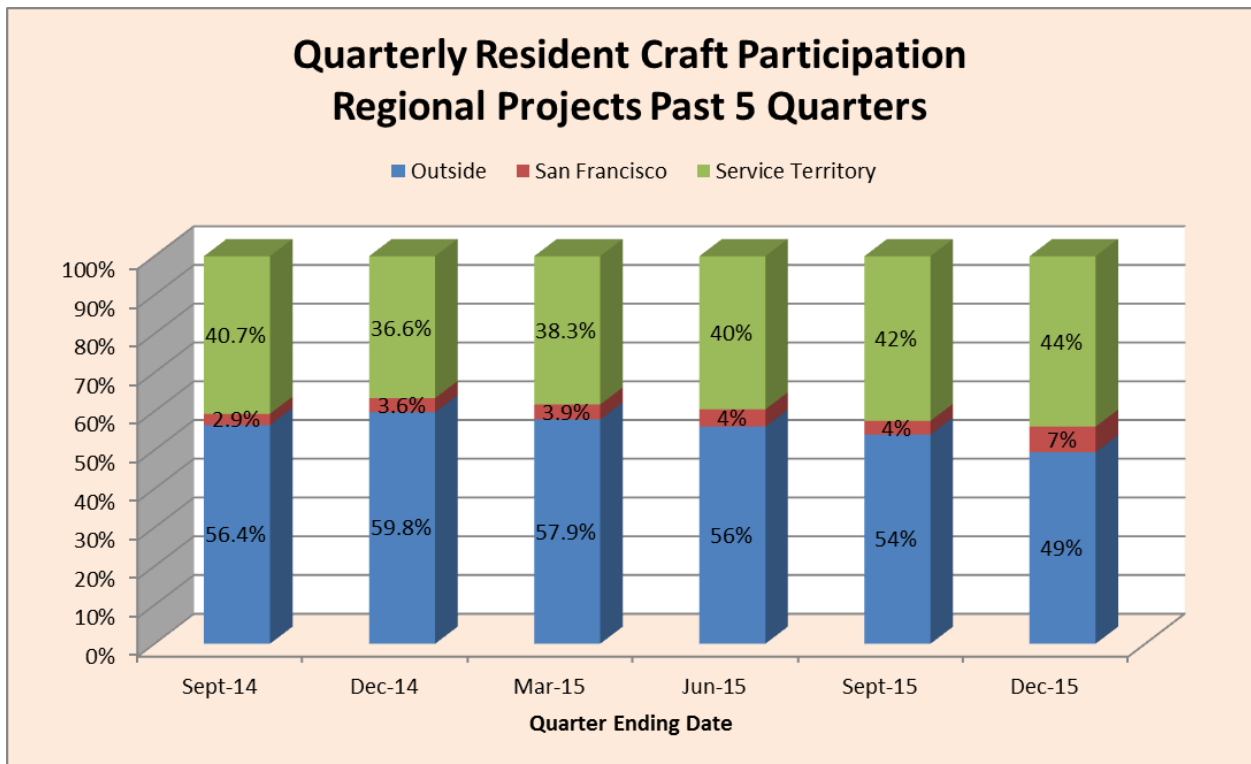
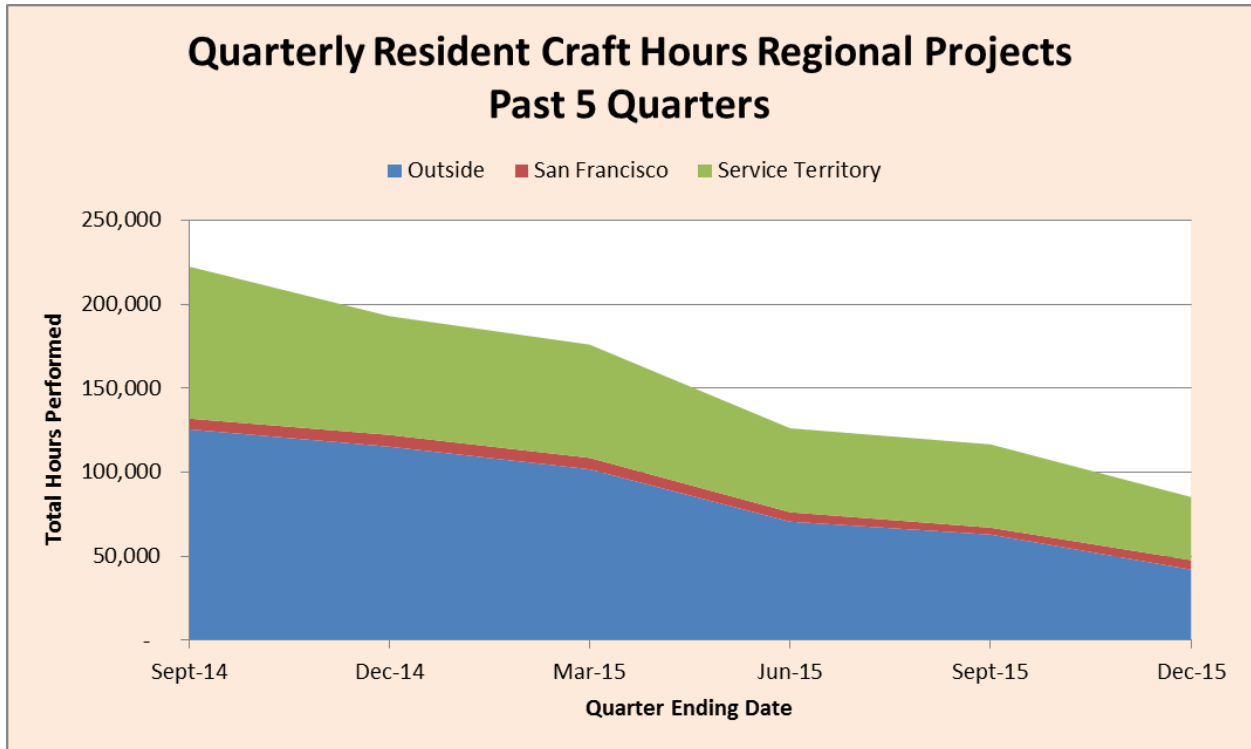
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 13 projects covered by the WSIP PLA located within San Francisco only.



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Residence on Regionally-located WSIP PLA Projects - Charted are the 37 projects covered by the WSIP PLA located within the Service Territory.



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Residence by County

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence Inception Through December 31, 2015					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda	1,274,031	\$ 46,669,056	17%	2,478	613
Contra Costa	980,989	\$ 37,552,287	13%	1,693	472
San Mateo	730,632	\$ 28,861,434	10%	1,135	351
San Joaquin	676,989	\$ 24,940,300	9%	1,059	325
San Francisco	515,441	\$ 19,104,148	7%	1,047	248
Santa Clara	418,781	\$ 17,041,513	6%	1,142	201
Solano	360,627	\$ 14,185,983	5%	699	173
Stanislaus	316,881	\$ 11,340,678	4%	527	152
Sacramento	310,483	\$ 12,030,846	4%	506	149
Butte	199,011	\$ 7,819,706	3%	110	96
Sonoma	154,030	\$ 6,118,276	2%	293	74
Tuolumne	89,239	\$ 3,408,256	1%	87	43
Calaveras	89,107	\$ 3,891,216	1%	77	43
Placer	70,560	\$ 2,796,035	1%	109	34
Los Angeles	65,997	\$ 2,817,935	1%	131	32
Yolo	65,904	\$ 2,539,552	1%	87	32
El Dorado	65,703	\$ 2,622,401	1%	80	32
Clark	62,469	\$ 2,761,951	1%	66	30
Shasta	57,736	\$ 2,508,652	1%	48	28
Napa	55,081	\$ 2,420,731	1%	72	26
Top 20 Counties by Hours	6,559,690	\$ 251,430,955	90%	11,446	3,154
All Other Counties	758,763	\$ 32,734,633	10%	982	365
WSIP- PLA Total	7,318,453	\$ 284,165,588	100%	12,428	3,518

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San Francisco Residents by Zip Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code Inception Through December 31, 2015					
San Francisco County Zip Code	Total Workers				
	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
94102	8,523	\$ 379,797	1.7%	17	4
94103	22,929	\$ 700,704	4.4%	31	11
94104	523	\$ 13,179	0.1%	3	0
94105	141	\$ 2,599	0.0%	1	0
94107	7,618	\$ 283,975	1.5%	19	4
94108	3,348	\$ 71,658	0.6%	8	2
94109	3,363	\$ 98,964	0.7%	18	2
94110	74,749	\$ 2,533,340	14.5%	148	36
94111	661	\$ 14,669	0.1%	3	0
94112	88,629	\$ 3,094,047	17.2%	170	43
94114	4,835	\$ 187,416	0.9%	12	2
94115	1,708	\$ 50,307	0.3%	20	1
94116	60,554	\$ 2,932,063	11.7%	72	29
94117	7,877	\$ 195,835	1.5%	16	4
94118	8,330	\$ 408,182	1.6%	19	4
94119	255	\$ 7,976	0.0%	1	0
94121	24,331	\$ 963,133	4.7%	40	12
94122	26,889	\$ 1,193,796	5.2%	54	13
94123	496	\$ 24,939	0.1%	2	0
94124	78,176	\$ 2,921,117	15.2%	211	38
94125	29	\$ 994	0.0%	2	0
94127	18,771	\$ 672,857	3.6%	16	9
94129	447	\$ 13,106	0.1%	1	0
94130	3,273	\$ 69,745	0.6%	9	2
94131	7,381	\$ 280,206	1.4%	17	4
94132	8,386	\$ 330,470	1.6%	30	4
94133	5,072	\$ 180,186	1.0%	7	2
94134	40,905	\$ 1,242,946	7.9%	104	20
94140	288	\$ 11,589	0.1%	1	0
94142	1,310	\$ 57,357	0.3%	6	1
94147	162	\$ 4,785	0.0%	1	0
94158	8	\$ 178	0.0%	1	0
94164	3,451	\$ 98,256	0.7%	2	2
94166	638	\$ 30,298	0.1%	1	0
94188	1,391	\$ 33,477	0.3%	5	1
San Francisco Total	515,441	\$ 19,104,148	100%	1,047	248
WSIP - PLA Total	7,318,453	\$ 284,165,588	-	12428	3518

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Residence by Craft

Sorted by Total Hours

Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507		197	310	0.0%	38.9%	61.1%
BOILERMAKER-BLACKSMITH	117,588	48	22,876	94,663	0.0%	19.5%	80.5%
BRICK TENDER	773	287	19	467	37.1%	2.5%	60.4%
BRICKLAYER, BLOCKLAYER	8,473	82	4,321	4,071	1.0%	51.0%	48.0%
BUILDING/CONSTRUCTION INSPECTOR AND FINISHER	53,669	3,773	9,160	40,736	7.0%	17.1%	75.9%
CARPENTER AND RELATED TRADES	650,730	74,734	270,966	305,031	11.5%	41.6%	46.9%
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	6	70	239	1.9%	22.2%	75.9%
CEMENT MASON	112,998	5,596	48,874	58,528	5.0%	43.3%	51.8%
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	1,178	2,091	7,121	11.3%	20.1%	68.5%
ELECTRICAL UTILITY LINEMAN	6,790		211	6,579	0.0%	3.1%	96.9%
ELECTRICIAN	402,684	22,395	233,525	146,764	5.6%	58.0%	36.5%
FIELD SURVEYOR	19,563	1,334	3,727	14,503	6.8%	19.1%	74.1%
GLAZIER	4,089	958	1,248	1,884	23.4%	30.5%	46.1%
IRON WORKER	244,712	19,371	90,349	134,992	7.9%	36.9%	55.2%
MARBLE FINISHER	40		40		0.0%	100.0%	0.0%
METAL ROOFING SYSTEMS INSTALLER	201			201	0.0%	0.0%	100.0%
OPERATING ENGINEER	485,870	43,714	169,335	272,821	9.0%	34.9%	56.2%
OPERATING ENGINEER (HEAVY AND HIGHWAY VEHICLE)	938,329	17,452	364,367	556,509	1.9%	38.8%	59.3%
OPERATING ENGINEER (SPECIAL SINGLE AND SHIFTS)	2,637	47	1,691	899	1.8%	64.1%	34.1%
PAINTER	137,006	8,769	13,029	115,209	6.4%	9.5%	84.1%
Parking and Highway Improvement (Striper-Laborer)	2		2		0.0%	100.0%	0.0%
PARKING AND HIGHWAY IMPROVEMENT PAINTER	696		370	326	0.0%	53.2%	46.8%
PILE DRIVER (CARPENTER)	157,963	6,526	42,549	108,888	4.1%	26.9%	68.9%
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	50,796	499	8,518	41,779	1.0%	16.8%	82.3%
PLASTER TENDER	961	706	109	147	73.4%	11.3%	15.2%
PLASTERER	2,699	1,110	611	979	41.1%	22.6%	36.3%
PLUMBER	408,822	80,873	131,722	196,228	19.8%	32.2%	48.0%
ROOFER	44,762	2,441	24,196	18,126	5.5%	54.1%	40.5%
SHEET METAL WORKER	13,578	415	8,698	4,465	3.1%	64.1%	32.9%
SHEET METAL WORKER (HVAC)	172		138	34	0.0%	80.2%	19.8%
TERRAZZO FINISHER	4		4		0.0%	100.0%	0.0%
TERRAZZO WORKER	199			199	0.0%	0.0%	100.0%
TILE FINISHER	277		237	40	0.0%	85.6%	14.4%
TILE SETTER	351		344	7	0.0%	98.0%	2.0%
TUNNEL WORKER (LABORER)	608,864	11,102	244,231	353,531	1.8%	40.1%	58.1%
Total Apprenticeable	4,487,506	303,412	1,697,822	2,486,273	6.8%	37.8%	55.4%
LABORER	2,394,029	180,518	1,043,754	1,169,757	7.5%	43.6%	48.9%
Non-Apprenticeable							
ASBESTOS REMOVAL WORKER (LABORER)	17,057	887	2,256	13,914	5.2%	13.2%	81.6%
DREDGER OPERATING ENGINEER	831			831			100.0%
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	95,458	16,297	63,379	15,783	17.1%	66.4%	16.5%
IRONWORKER (DB)	80			80			100.0%
LANDSCAPE MAINTENANCE LABORER	1,603	360	742	501	22.5%	46.3%	31.3%
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	133	229	273	20.9%	36.1%	43.0%
OPERATING ENGINEER (HEAVY AND HIGHWAY VEHICLE)	94,400		39,892	54,508		42.3%	57.7%
PARKING AND HIGHWAY IMPROVEMENT PAINTER	265		167	98		63.0%	37.0%
SLURRY SEAL WORKER	592		321	271		54.3%	45.7%
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER)	282		282			100.0%	
TEAMSTER	117,586	9,387	63,853	44,346	8.0%	54.3%	37.7%
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11			11			100.0%
TELECOMMUNICATIONS TECHNICIAN	1,160		1,088	72		93.8%	6.2%
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	1,001		789	212		78.8%	21.2%
TREE TRIMMER (HIGH VOLTAGE LINE CLEARANCE)	1,422	32	1,191	199	2.3%	83.8%	14.0%
TUNNEL/UNDERGROUND (OPERATING ENGINEER)	79,075	70	44,357	34,648	0.1%	56.1%	43.8%
TUNNEL/UNDERGROUND (OPERATING ENGINEER)	13,146		3,850	9,296		29.3%	70.7%
WATER WELL DRILLER	12,317		7,533	4,784		61.2%	38.8%
Total Non-Apprenticeable	436,917	27,166	229,927	179,824	6.2%	52.6%	41.2%
Total WSIP PLA	7,318,453	511,096	2,971,503	3,835,854	7%	41%	52%

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Residence by Project

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary through 12/31/2015							
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2596 - Harry Tracy Water Treatment Plant Le	1,012,347	63,395	372,538	576,414	6.3%	36.8%	56.9%
WD-2551 Calaveras Dam Replacement Proiect	796,586	3,957	264,381	528,247	0.5%	33.2%	66.3%
WD-2581 - New Irvington Tunnel	727,746	3,538	304,381	419,827	0.5%	41.8%	57.7%
WD-2531 - Bay Division Pipelines Reliability Upgrad	574,377	18,402	329,204	226,772	3.2%	57.3%	39.5%
WD-2601 - Crystal Springs / San Andreas Transmis	488,398	25,322	191,884	271,191	5.2%	39.3%	55.5%
WD-2582 - Sunol Valley Water Treatment Plant an	462,409	11,320	193,094	257,996	2.4%	41.8%	55.8%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula F	287,972	2,888	132,407	152,677	1.0%	46.0%	53.0%
CS-936 - Advanced Meter Infrastructure	227,022	72,108	84,616	70,298	31.8%	37.3%	31.0%
WD-2541 - Bay Division Pipeline No. 5 - East Bay R	208,220	14,155	83,024	111,042	6.8%	39.9%	53.3%
WD-2539 - University Mound Reservoir North Bas	187,025	50,004	44,746	92,276	26.7%	23.9%	49.3%
WD-2627R Sutro Reservoir Rehabilitation and Seis	154,357	49,225	39,318	65,814	31.9%	25.5%	42.6%
HH-935C - San Joaquin Pipeline System - Eastern S	144,007	83	80,525	63,400	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,840	2,062	95,028	44,751	1.5%	67.0%	31.5%
WD-2629 Seismic Upgrade of Bay Division Pipeline	135,718	567	55,284	79,868	0.4%	40.7%	58.8%
WD-2552 - Alameda Siphon No. 4 Project	129,478	1,450	57,583	70,445	1.1%	44.5%	54.4%
WD-2555 - Crystal Springs Pipeline No.2 Replacem	127,743	34,923	35,352	57,468	27.3%	27.7%	45.0%
WD-2498 - New Crystal Springs Bypass (Polhemus)	117,809	6,825	61,030	49,955	5.8%	51.8%	42.4%
WD-2652 Bioregional Habitat Restoration, San An	105,044	2,183	40,946	61,916	2.1%	39.0%	58.9%
WD-2548 - Lake Merced Pump Station Essential Up	101,056	23,185	27,208	50,663	22.9%	26.9%	50.1%
HH-935B - San Joaquin Pipeline System - Western S	100,478	426	42,710	57,342	0.4%	42.5%	57.1%
WD-2591 - Lower Crystal Springs Dam Improvemen	98,686	5,022	57,610	36,055	5.1%	58.4%	36.5%
HH-935A - San Joaquin Pipeline System - Crossover	84,472	158	45,733	38,581	0.2%	54.1%	45.7%
WD-2513 - San Andreas Pipeline No.3 Installation F	82,356	6,294	26,717	49,345	7.6%	32.4%	59.9%
WD-2575 San Antonio Backup Pipeline	75,246	9,125	31,711	34,411	12.1%	42.1%	45.7%
WD-2504 - Stanford Heights Reservoir Seismic Ret	74,299	11,120	19,865	43,314	15.0%	26.7%	58.3%
WD-2501 - Alemany Pump Station	74,094	7,572	28,838	37,684	10.2%	38.9%	50.9%
WD-2727 Peninsula Pipeline Seismic Upgrade	68,162	13,328	22,064	32,770	19.6%	32.4%	48.1%
WD-2543 - North University Mound System Upgrad	53,226	10,235	18,174	24,818	19.2%	34.1%	46.6%
WD-2573 - Pulgas Balancing Reservoir Structural F	50,372	5,166	24,782	20,425	10.3%	49.2%	40.5%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,908	14,647	28,355	10.2%	30.6%	59.2%
WD-2641R Habitat Reserve Program, Homestead P	44,018	7,286	11,135	25,597	16.6%	25.3%	58.2%
WD-2564 - Harry Tracy Water Treatment Plant - S	43,047	7,220	12,709	23,118	16.8%	29.5%	53.7%
WD-2668 Regional Groundwater Storage and Reco	38,589	6,798	16,512	15,280	17.6%	42.8%	39.6%
WD-2469 - Forest Knolls Pump Station and Storage	26,552	3,844	8,139	14,569	14.5%	30.7%	54.9%
WD-2666 Bioregional Habitat Restoration, Sheep C	23,474	46	7,022	16,406	0.2%	29.9%	69.9%
WD-2623 - Harding Park Recycled Water Proiect	22,726	4,530	13,463	4,734	19.9%	59.2%	20.8%
WD-2529 - Noe Valley Transmission Main - Phase II	22,511	3,918	7,931	10,662	17.4%	35.2%	47.4%
WD-2665 Bay Division Pipeline Reliability Upgrade	21,967	341	6,958	14,668	1.6%	31.7%	66.8%
WD-2651R Peninsula 2011 Watershed Compensati	21,873	557	10,917	10,399	2.5%	49.9%	47.5%
WD-2556 - Baden and San Pedro Valve Lot Improv	19,937	4,570	10,632	4,735	22.9%	53.3%	23.8%
WD-2622 San Francisco Groundwater Supply Pipet	17,782	4,360	2,503	10,919	24.5%	14.1%	61.4%
WD-2566 - San Antonio Pump Station Upgrades Pro	14,916	101	11,984	2,831	0.7%	80.3%	19.0%
HH-914R - Roselle Crossover Improvements	12,859	-	8,789	4,070	-	68.3%	31.7%
HH-953 - Tesla Portal Protection	11,512	4,989	4,453	2,071	43.3%	38.7%	18.0%
WD-2511 - Standby Power Facilities, Various Loca	11,261	136	6,592	4,534	1.2%	58.5%	40.3%
WD-2640 Bioregional Habitat Restoration	10,621	1,259	4,182	5,180	11.9%	39.4%	48.8%
WD-2621R San Francisco Groundwater Supply Wel	8,768	2,089	1,650	5,030	23.8%	18.8%	57.4%
WD-2600 Regional Groundwater Storage and Reco	6,088	-	296	5,792	-	4.9%	95.1%
WD-2589 - Supervisory Control and Data Acquisit	1,498	113	242	1,144	7.6%	16.1%	76.3%
WD-2654R Peninsula Vegetation Removal	-	-	-	-	-	-	-
Total WSIP PLA	7,318,453	511,096	2,971,503	3,835,854	7.0%	40.6%	52.4%

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Apprentice Utilization

The WSIP PLA supports the apprentice ratios provided by the State of California’s, Division of Apprenticeship Standards, generally 1 Apprentice hour to every 5 Journey-level hours.

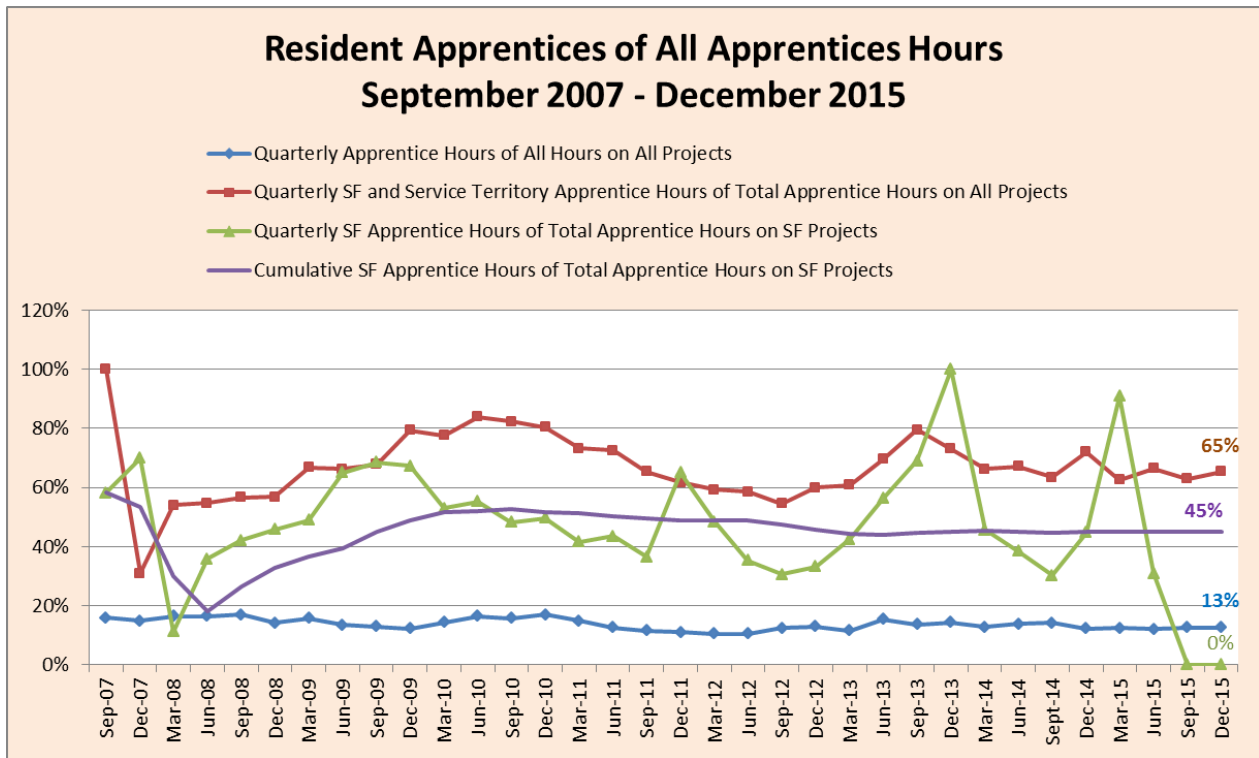
Through the end of the current quarter, 13% of craft hours in apprenticeable trades have been worked by apprentices. 17% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Service Territory, or 70% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	Service Territory 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 (HEAVY AND HIGHWAY W	938,329	20,655	3,912	11,451	5,293	2%	0%	1%	19%	55%	26%
A - CARPENTER AND RELATED TRADES	650,730	102,877	26,888	47,573	28,417	16%	4%	7%	26%	46%	28%
A - TUNNEL WORKER (LABORER)	608,864	-	-	-	-	0%	0%	0%	0%	0%	0%
A - OPERATING ENGINEER	485,870	157,250	24,456	60,827	71,968	32%	5%	13%	16%	39%	46%
A - PLUMBER	408,822	113,550	32,748	55,864	24,937	28%	8%	14%	29%	49%	22%
A - ELECTRICIAN	402,684	74,038	7,565	51,225	15,248	18%	2%	13%	10%	69%	21%
A - IRON WORKER	244,712	53,651	12,117	22,567	18,967	22%	5%	9%	23%	42%	35%
A - PILE DRIVER (CARPENTER)	157,963	12,077	4,451	3,464	4,163	8%	3%	2%	37%	29%	34%
A - PAINTER	137,006	23,187	1,809	3,424	17,955	17%	1%	2%	8%	15%	77%
A - BOILERMAKER-BLACKSMITH	117,588	2,354	40	1,238	1,076	2%	0%	1%	2%	53%	46%
A - CEMENT MASON	112,998	4,983	3,608	224	1,152	4%	3%	0%	72%	4%	23%
A - BUILDING/CONSTRUCTION INSPECTOR AND FIE	53,669	1,510	5	888	618	3%	0%	2%	0%	59%	41%
A - PILE DRIVER (OPERATING ENGINEER - HEAVY AN	50,796	30	-	-	30	0%	0%	0%	0%	0%	100%
A - ROOFER	44,762	10,686	1,121	5,105	4,460	24%	3%	11%	10%	48%	42%
A - FIELD SURVEYOR	19,563	427	-	66	361	2%	0%	0%	0%	15%	85%
A - SHEET METAL WORKER	13,578	1,570	16	919	635	12%	0%	7%	1%	59%	40%
A - DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	281	60	155	66	3%	1%	1%	21%	55%	23%
A - BRICKLAYER, BLOCKLAYER	8,473	2,655	82	573	2,000	31%	1%	7%	3%	22%	75%
A - ELECTRICAL UTILITY LINEMAN	6,790	79	-	79	-	1%	0%	1%	0%	100%	0%
A - GLAZIER	4,089	504	342	20	142	12%	8%	0%	68%	4%	28%
A - PLASTERER	2,699	347	136	-	211	13%	5%	0%	39%	0%	61%
A - OPERATING ENGINEER (SPECIAL SINGLE AND SEC	2,637	1,162	-	1,047	115	44%	0%	40%	0%	90%	10%
A - PLASTER TENDER	961	-	-	-	-	0%	0%	0%	0%	0%	0%
A - BRICK TENDER	773	24	24	-	-	3%	3%	0%	100%	0%	0%
A - PARKING AND HIGHWAY IMPROVEMENT PAINTER	696	-	-	-	-	0%	0%	0%	0%	0%	0%
A - ASBESTOS WORKER, HEAT AND FROST INSULATO	507	-	-	-	-	0%	0%	0%	0%	0%	0%
A - TILE SETTER	351	20	-	20	-	6%	0%	6%	0%	100%	0%
A - CARPET, LINOLEUM, SOFT FLOOR LAYER	315	12	-	12	-	4%	0%	4%	0%	100%	0%
A - TILE FINISHER	277	40	-	-	40	14%	0%	0%	0%	0%	100%
A - METAL ROOFING SYSTEMS INSTALLER	201	-	-	-	-	0%	0%	0%	0%	0%	0%
A - TERRAZZO WORKER	199	-	-	-	-	0%	0%	0%	0%	0%	0%
A - SHEET METAL WORKER (HVAC)	172	8	-	8	-	5%	0%	5%	0%	100%	0%
A - MARBLE FINISHER	40	-	-	-	-	0%	0%	0%	0%	0%	0%
A - TERRAZZO FINISHER	4	-	-	-	-	0%	0%	0%	0%	0%	0%
A - Parking and Highway Improvement (Striper-La	2	2	-	2	-	100%	0%	100%	0%	100%	0%
Sub-Total Apprenticeable	4,487,506	583,976	119,377	266,747	197,852	13%	3%	6%	20%	46%	34%
A - LABORER	2,394,029	334,057	40,171	224,267	69,619	14%	2%	9%	12%	67%	21%
A-Operating Engineer (COMBINED)	1,426,836	179,067	28,367	73,325	77,375	13%	2%	5%	16%	41%	43%
Total Apprenticeable	6,881,535	918,033	159,548	491,014	267,471	13%	2%	7%	17%	53%	29%
Total Non-Apprenticeable	436,917										
Total WSIP - Covered by PLA	7,318,453										

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For the three months ending December 31, 2015, no Apprentice Hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line), consistent with last quarter. As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



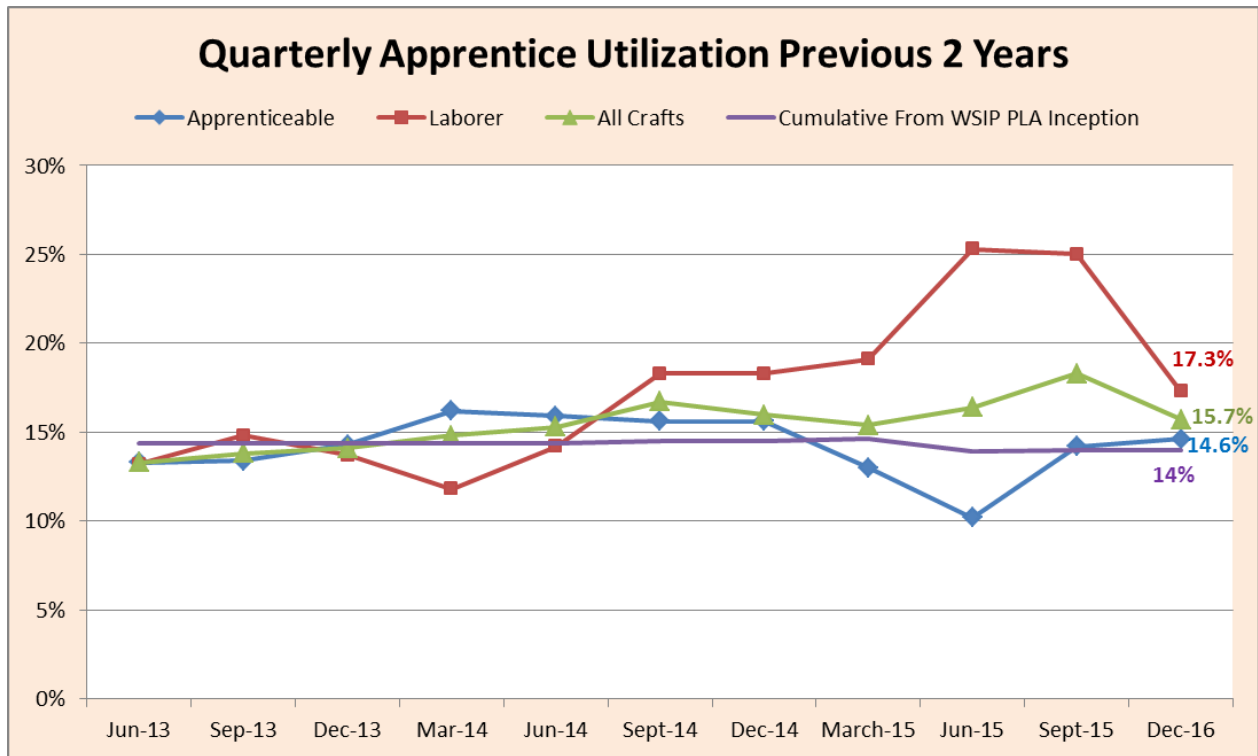
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 14%. This is slightly higher than the 13% mentioned in the *Apprentice Utilization by Craft* chart (page 20); because the chart below reflects the Total Apprenticeable and Labor Hours which is slightly lower than the Total Craft Hours used to calculate the percentage for crafts.

WSIP - Covered by PLA Apprentice Utilization by Project Inception through December 31, 2015											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - Advanced Meter	227,022	226,137	-	885	227,022	79,373	-	79,373	35%	0%	35%
HH-953 - Tesla Portal Prot	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11%	40%	29%
WD-2498 - New Crystal Sp	117,809	51,330	54,937	11,543	62,872	12,356	5,252	17,607	24%	46%	28%
WD-2641R Habitat Reserv	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	20%	21%	21%
DB-116 - Tesla Treatment	141,840	97,724	1,863	42,254	139,977	16,580	10,380	26,960	17%	25%	19%
WD-2652 Bioregional Hab	105,044	19,404	2,998	82,642	102,046	1,468	18,061	19,529	8%	22%	19%
WD-2727 Peninsula Pipel	68,162	29,420	3,552	35,190	64,610	4,113	7,519	11,632	14%	21%	18%
WD-2552 - Alameda Siph	129,478	75,394	8,009	46,075	121,469	11,675	9,053	20,728	16%	20%	17%
WD-2575 San Antonio Bad	75,246	45,713	1,151	28,382	74,095	6,486	5,972	12,458	14%	21%	17%
WD-2651R Peninsula 2011	21,873	4,777	3,239	13,858	18,635	763	2,372	3,135	16%	17%	17%
WD-2640 Bioregional Hab	10,621	4,487	813	5,321	9,809	701	914	1,615	16%	17%	17%
WD-2539 - University Mou	187,025	106,325	1,199	79,502	185,827	23,847	6,500	30,346	22%	8%	16%
WD-2629 Seismic Upgrade	135,718	73,942	1,729	60,047	133,989	8,356	13,525	21,881	11%	23%	16%
WD-2573 - Pulgas Balanci	50,372	35,367	310	14,695	50,061	7,152	673	7,825	20%	5%	16%
HH-914R - Roselle Crosso	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17%	12%	15%
WD-2582 - Sunol Valley V	462,409	293,845	13,013	155,551	449,396	49,266	19,350	68,616	17%	12%	15%
WD-2596 - Harry Tracy Wa	1,012,347	673,196	40,857	298,294	971,489	108,762	35,995	144,757	16%	12%	15%
WD-2551 Calaveras Dam F	796,586	473,439	22,934	300,213	773,653	54,021	56,756	110,777	11%	19%	14%
WD-2600 Regional Ground	6,088	-	4,027	2,061	2,061	-	296	296	0%	14%	14%
WD-2627R Sutro Reservoi	154,357	77,206	8,900	68,252	145,547	15,391	5,248	20,639	20%	8%	14%
WD-2556 - Baden and San	19,937	11,044	344	8,550	19,593	951	1,788	2,738	9%	21%	14%
WD-2668 Regional Ground	38,589	23,841	214	14,534	38,375	4,146	982	5,128	17%	7%	13%
WD-2504 - Stanford Heigh	74,299	40,451	-	33,849	74,299	9,134	757	9,891	23%	2%	13%
WD-2531 - Bay Division Pi	574,377	161,810	335,571	76,996	238,806	13,883	17,719	31,602	9%	23%	13%
WD-2513 - San Andreas Pi	82,356	28,627	10,820	42,909	71,535	3,994	5,317	9,311	14%	12%	13%
WD-2622 San Francisco Gr	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	6%	16%	13%
WD-2566 - San Antonio Pi	14,916	8,241	137	6,539	14,779	859	939	1,798	10%	14%	12%
HH-935C - San Joaquin Pip	144,007	89,193	1,840	52,974	142,167	8,862	8,401	17,263	10%	16%	12%
WD-2601 - Crystal Springs	488,398	300,641	57,403	130,355	430,995	37,721	10,835	48,556	13%	8%	11%
WD-2469 - Forest Knolls P	26,552	17,167	49	9,337	26,503	2,888	19	2,907	17%	0%	11%
WD-2555 - Crystal Springs	127,743	49,079	9,727	68,938	118,016	7,559	5,394	12,953	15%	8%	11%
WD-2548 - Lake Merced P	101,056	72,288	2,264	26,504	98,792	10,678	137	10,815	15%	1%	11%
HH-935A - San Joaquin Pip	84,472	53,738	839	29,895	83,633	5,351	3,652	9,003	10%	12%	11%
HH-935B - San Joaquin Pip	100,478	52,964	11,917	35,598	88,561	4,059	5,243	9,302	8%	15%	11%
WD-2501 - Alemany Pump	74,094	54,304	48	19,741	74,046	7,406	223	7,629	14%	1%	10%
WD-2541 - Bay Division Pi	208,220	89,081	12,797	106,342	195,423	10,018	10,170	20,188	11%	10%	10%
WD-2542 - Bay Division Pi	287,972	90,615	31,454	165,904	256,518	7,049	19,153	26,202	8%	12%	10%
WD-2568 - BDP L Nos. 3&4	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12%	5%	10%
WD-2591 - Lower Crystal S	98,686	40,896	1,323	56,467	97,363	4,833	3,853	8,685	12%	7%	9%
WD-2665 Bay Division Pip	21,967	10,548	234	11,185	21,733	168	1,741	1,909	2%	16%	9%
WD-2621R San Francisco C	8,768	4,286	-	4,482	8,768	336	405	741	8%	9%	8%
WD-2581 - New Irvington	727,746	544,525	99,614	83,607	628,132	31,860	19,889	51,748	6%	24%	8%
WD-2666 Bioregional Hab	23,474	16,690	336	6,448	23,138	228	1,615	1,843	1%	25%	8%
WD-2589 - Supervisory Co	1,498	728	-	771	1,498	115	-	115	16%	0%	8%
WD-2623 - Harding Park R	22,726	7,868	456	14,402	22,270	696	949	1,645	9%	7%	7%
WD-2543 - North Universi	53,226	14,375	7,051	31,800	46,175	743	2,255	2,998	5%	7%	7%
WD-2511 - Standby Powe	11,261	9,032	-	2,230	11,261	626	-	626	7%	0%	6%
WD-2529 - Noe Valley Tra	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0%	8%	6%
WD-2564 - Harry Tracy Wa	43,047	22,610	80	20,358	42,967	2,089	-	2,089	9%	0%	5%
WD-2654R Peninsula Veg	-	-	-	-	-	-	-	-	0%	0%	0%
WSIP - Covered by PLA	7,318,453	4,164,274	760,234	2,393,945	6,558,219	583,976	334,057	918,033	14%	14%	14%

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The following chart indicates Quarterly Apprentice Utilization over the past two years ending December 31, 2015. The Laborers continue to work a substantial amount of hours and are highlighted below. Percentages compared to last quarter are as follows; the Laborers Apprentice Utilization declined by 7.7%, the Apprenticeable trades overall increased slightly, and the Laborer and Apprenticeable crafts combined (All Crafts) show a decline of about 2%. The overall cumulative percentage remained consistent at 14%.



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Jobs Training and Opportunities Program (JTOP)

As of December 31, 2015, the SFPUC and City staff has referred 532 Apprentices and 279 Journeypersons to WSIP PLA-covered Projects from our community-based partners in Job Training Programs and through the Labor Unions. These 733 individuals represent 11% of the total hours worked and 8% of the wages earned.*

WSIP-PLA Referred Workers By Job Training and Opportunities Program Inception Through December 31, 2015						
Referred Apprentice Workers						
Referring Agency	Workers	Hours	Wages	% of Total Apprentices	% of Total Apprentice Hours	% of Total Apprentice Wages
CityBuild Academy	49	37,299	\$ 925,376	3.10%	4.10%	3.90%
CityBuild Referral Services	63	32,320	\$ 832,202	3.9%	3.5%	3.5%
Cypress Mandela Training Center, Inc.	35	54,647	\$ 1,283,579	2.1%	6.0%	5.3%
Helmets to Hardhats	1	3,339	\$ 80,910	0.1%	0.4%	0.3%
Job Corps	1	4,328	\$ 129,666	0.1%	0.5%	0.5%
JobTrain's Project Build	57	78,544	\$ 1,866,219	3.5%	8.5%	7.9%
Northern California Construction and Training,	7	7,233	\$ 158,276	0.5%	0.8%	0.7%
San Joaquin County Office of Ed. YouthBuild	11	16,900	\$ 364,200	0.6%	1.9%	1.5%
SFPUC	63	55,468	\$ 1,444,785	3.9%	6.0%	6.1%
Sponser	6	27,165	\$ 694,626	0.4%	3.0%	2.9%
Union	239	187,390	\$ 4,763,126	14.7%	20.4%	20.0%
Total Referred Apprentice Workers	532	504,631	\$ 12,542,965	33%	55%	53%
Non-Referred Apprentices	1,088	413,402.70	\$11,298,662.11	67%	45%	47%
Total Apprentices	1,620	918,033	\$23,841,627	100%	100%	100%
Referred Journeyman Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Journey Level Workers	% Of Total Journey Hours	% Of Total Journey Wages
CityBuild Academy	9	7,946	\$ 266,381	0.1%	0.1%	0.1%
CityBuild Referral Services	71	49,910	\$ 2,157,513	0.8%	0.8%	0.9%
Cypress Mandela Training Center, Inc.	8	9,332	\$ 297,721	0.1%	0.2%	0.2%
Helmets to Hardhats	1	13	\$ 498	0.0%	0.0%	0.0%
Job Corps	1	37	\$ 1,489	0.0%	0.0%	0.0%
JobTrain's Project Build	13	17,011	\$ 528,722	0.2%	0.3%	0.2%
Northern California Construction and Trainin	1	1,640	\$ 42,809	0.0%	0.0%	0.0%
San Joaquin County Office of Ed. YouthBuild	1	222	\$ 5,099	0.0%	0.0%	0.0%
SFPUC	33	46,362	\$ 1,612,577	0.3%	0.7%	0.6%
Sponsor	2	1,830	\$ 64,332	0.0%	0.0%	0.0%
Union	139	126,943	\$ 4,711,077	1.4%	2.0%	1.7%
Total Referred Journeyman Workers	279	261,243	\$ 9,688,217	2.9%	4.1%	3.7%
Non-Referred Journeypersons	9,656	6,139,176	\$ 250,635,744	97.1%	95.9%	96.3%
Total Journeypersons	9,935	6,400,419	\$ 260,323,961	100.0%	100.0%	100.0%
Total Workforce						
Total Referred Workers (J+A)	733	765,874	\$ 22,231,182	6.5%	10.5%	7.8%
All Non-Referred Workers						
All Non-Referred Workers	10,620	6,552,579	\$ 261,934,406	93.5%	89.5%	92.2%
Total Workforce	11,353	7,318,453	\$ 284,165,588	100.0%	100.0%	100.0%

Note : Because of the statistics method's distinction, the result of the worker count in this report is different from other report.

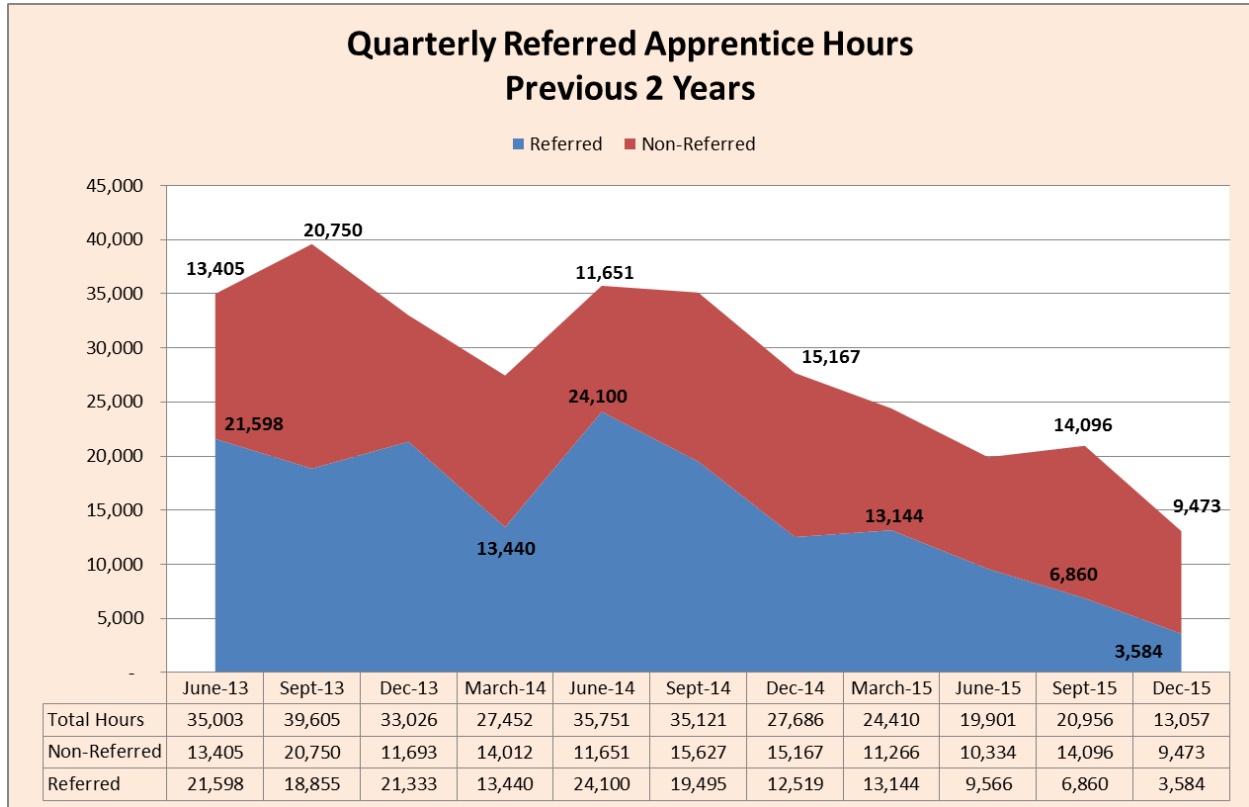
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The table below illustrates *JTOP Referred Worker Utilization by Project* with the greatest total project participation listed first.

Referred Worker Utilization by WSIP-PLA Covered Project									
Inception through December 31, 2015									
Project	Total Craft Hours			Referred Hours			Referred Utilization %		
	Total Hours	Total Apprentice Hours	Total Journey Hours	Referred Apprentice Hours	Referred Journey Hours	Total Referred Hours	Referred Apprentice %	Referred Journey %	Total Referred %
HH-953 - Tesla Portal Protection	11,512	3,255	8,257	3,247	865	4,112	100%	11%	36%
WD-2651R Peninsula 2011 Water	21,873	3,135	18,739	2,372	3,015	5,387	76%	16%	25%
WD-2623 - Harding Park Recycle	22,726	1,645	21,081	1,280	3,659	4,938	78%	17%	22%
WD-2652 Bioregional Habitat Re	105,044	19,529	85,515	14,102	2,914	17,015	72%	3%	16%
HH-935C - San Joaquin Pipeline S	144,007	17,263	126,744	14,185	8,693	22,877	82%	7%	16%
WD-2555 - Crystal Springs Pipeli	127,743	12,953	114,791	12,193	7,984	20,177	94%	7%	16%
WD-2552 - Alameda Siphon No. 4	129,478	20,728	108,750	16,749	3,356	20,105	81%	3%	16%
WD-2629 Seismic Upgrade of Bay	135,718	21,881	113,837	16,902	4,036	20,938	77%	4%	15%
WD-2539 - University Mound Res	187,025	30,346	156,679	14,817	12,647	27,463	49%	8%	15%
WD-2548 - Lake Merced Pump Sta	101,056	10,815	90,241	4,034	10,787	14,821	37%	12%	15%
WD-2627R Sutro Reservoir Rehal	154,357	20,639	133,718	16,028	6,080	22,107	78%	5%	14%
WD-2641R Habitat Reserve Progt	44,018	9,222	34,796	4,844	1,352	6,196	53%	4%	14%
WD-2640 Bioregional Habitat Re	10,621	1,615	9,006	1,391	75	1,466	86%	1%	14%
WD-2665 Bay Division Pipeline R	21,967	1,909	20,059	1,848	1,135	2,983	97%	6%	14%
WD-2668 Regional Groundwater	38,589	5,128	33,461	1,277	3,959	5,236	25%	12%	14%
WD-2601 - Crystal Springs / San A	488,398	48,556	439,842	38,300	27,188	65,488	79%	6%	13%
WD-2551 Calaveras Dam Replace	796,586	110,777	685,810	75,022	25,223	100,245	68%	4%	13%
WD-2666 Bioregional Habitat Re	23,474	1,843	21,631	778	2,039	2,817	42%	9%	12%
WD-2596 - Harry Tracy Water Tre	1,012,347	144,757	867,590	79,394	36,209	115,603	55%	4%	11%
WD-2727 Peninsula Pipeline Sei	68,162	11,632	56,531	4,670	3,080	7,750	40%	5%	11%
WD-2591 - Lower Crystal Springs	98,686	8,685	90,000	6,917	4,086	11,003	80%	5%	11%
WD-2513 - San Andreas Pipeline	82,356	9,311	73,045	8,522	513	9,035	92%	1%	11%
CS-936 - Advanced Meter Infrastr	227,022	79,373	147,649	4,405	20,110	24,515	6%	14%	11%
WD-2556 - Baden and San Pedro	19,937	2,738	17,199	2,057	98	2,155	75%	1%	11%
WD-2575 San Antonio Backup Pi	75,246	12,458	62,788	4,228	3,127	7,355	34%	5%	10%
WD-2622 San Francisco Groundw	17,782	2,092	15,690	261	1,429	1,690	13%	9%	10%
WD-2531 - Bay Division Pipeline	574,377	31,602	542,775	27,311	26,382	53,693	86%	5%	9%
WD-2542 - Bay Division Pipeline	287,972	26,202	261,770	20,197	4,770	24,967	77%	2%	9%
HH-935B - San Joaquin Pipeline S	100,478	9,302	91,176	5,795	1,923	7,717	62%	2%	8%
WD-2582 - Sunol Valley Water Tr	462,409	68,616	393,794	27,121	8,277	35,398	40%	2%	8%
WD-2469 - Forest Knolls Pump St	26,552	2,907	23,645	1,961	32	1,993	68%	0%	8%
WD-2504 - Stanford Heights Rese	74,299	9,891	64,408	1,336	4,241	5,577	14%	7%	8%
WD-2541 - Bay Division Pipeline	208,220	20,188	188,033	10,927	3,718	14,645	54%	2%	7%
DB-116 - Tesla Treatment Facility	141,840	26,960	114,881	7,419	1,884	9,303	28%	2%	7%
WD-2581 - New Irvington Tunne	727,746	51,748	675,998	35,503	12,420	47,923	69%	2%	7%
WD-2529 - Noe Valley Transmiss	22,511	1,133	21,378	1,133	263	1,396	100%	1%	6%
WD-2566 - San Antonio Pump Sta	14,916	1,798	13,118	931	-	931	52%	0%	6%
WD-2501 - Alemany Pump Statio	74,094	7,629	66,465	3,275	1,175	4,450	43%	2%	6%
WD-2573 - Pulgas Balancing Rese	50,372	7,825	42,547	1,458	1,282	2,740	19%	3%	5%
WD-2543 - North University Mou	53,226	2,998	50,228	2,550	106	2,656	85%	0%	5%
WD-2600 Regional Groundwater	6,088	296	5,792	296	-	296	100%	0%	5%
HH-935A - San Joaquin Pipeline S	84,472	9,003	75,469	3,595	422	4,017	40%	1%	5%
WD-2568 - BDPL Nos. 3&4 Crosso	47,910	4,538	43,373	2,020	185	2,205	45%	0%	5%
WD-2564 - Harry Tracy Water Tre	43,047	2,089	40,959	1,329	183	1,512	64%	0%	4%
HH-914R - Roselle Crossover Imp	12,859	1,943	10,917	256	32	288	13%	0%	2%
WD-2621R San Francisco Ground	8,768	741	8,028	90	-	90	12%	0%	1%
WD-2498 - New Crystal Springs B	117,809	17,607	100,202	314	291	605	2%	0%	1%
WD-2511 - Standby Power Facilit	11,261	626	10,635	-	4	4	0%	0%	0%
WD-2589 - Supervisory Control a	1,498	115	1,383	-	-	-	0%	0%	0%
WD-2654R Peninsula Vegetation	-	-	-	-	-	-	0%	0%	0%
Total WSIP PLA	7,318,453	918,033	6,400,419	504,631	261,243	765,874	55.0%	4.1%	10.5%

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The following chart summarizes *Referred and Non-referred Apprentices Quarterly Hours Earned* on all WSIP PLA-covered projects over the past eight quarters. As the WSIP PLA program continues to come to near completion, there will be less hours performed giving there less opportunity to refer workers to the projects. With 3,584 referred hours during the quarter, the recent trend of referring about one-third of apprentice hours has continued through this quarter.



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Substance Abuse Prevention

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

13,312 pre-employment tests have been administered as of December 31, 2015 to people who were cleared to work. 169 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 **1.3%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Enterprise. The chart is on the next page.

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WSIP - Covered by PLA (49 Projects + AMI) Substance Abuse Testing Summary	
Tests Administered to Individuals Cleared to Work through 12/31/2015	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2551 Calaveras Dam Replacement Project	1,170
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-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	509
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	404
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2501 - Alemany Pump Station	334
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	333
CS-936 - Advanced Meter Infrastructure	229
WD-2552 - Alameda Siphon No. 4 Project	229
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
HH-935B - San Joaquin Pipeline System - Western Segment	207
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-2575 San Antonio Backup Pipeline	132
WD-2591 - Lower Crystal Springs Dam Improvements	123
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	115
WD-2668 Regional Groundwater Storage and Recovery	110
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	98
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3	95
WD-2652 Bioregional Habitat Restoration, San Antonio Creek	87
WD-2556 - Baden and San Pedro Valve Lot Improvements	86
WD-2566 - San Antonio Pump Station Upgrades Project	70
HH-914R - Roselle Crossover Improvements	63
WD-2651R Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quar	63
WD-2727 Peninsula Pipeline Seismic Upgrade	61
WD-2621R San Francisco Groundwater Supply Well Stations	59
WD-2543 - North University Mound System Upgrade	55
WD-2665 Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Micr	43
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-2529 - Noe Valley Transmission Main - Phase II	27
WD-2641R Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch C	23
WD-2600 Regional Groundwater Storage and Recovery Project - Test Well Drilling	22
WD-2622 San Francisco Groundwater Supply Pipeline	22
HH-953 - Tesla Portal Protection	7
WD-2623 - Harding Park Recycled Water Project	7
WD-2640 Bioregional Habitat Restoration	-
WD-2654R Peninsula Vegetation Removal	-
Total Cleared	13,312

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Legislative History of the WSIP PLA

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

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

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

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

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

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

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Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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



HETCH HETCHY

WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

Quarterly Report Quarter Ended March 31, 2016 (Third Quarter FY 2015-2016)

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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-one (51) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.043 billion in original contract award through March 31, 2016.

Construction Activity Highlights – Program-to-Date

Contracting:

- Fifty-one (51) construction contracts with a value of \$2.043 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 12,525 construction workers were employed for 7,404,752 hours and earned wages of \$287,484,600 on WSIP PLA-covered projects.
- 1,050 San Francisco residents worked 517,433 hours and earned \$19,244,811 on WSIP PLA-Covered Projects representing 7% of covered hours and 249 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. 5,328 residents of the Service Territory earned wages of \$114,397,742 and worked 3,010,902 hours, representing 40.7% of covered hours and 1,448 full-time equivalent worker years.
- 13,395 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of March 31, 2016. 172 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Region of Worker Residence	Inception Through March 31, 2016			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	12,525	7,404,752	\$ 287,484,600	3,560
San Francisco	1,050	517,433	\$ 19,244,811	249
SFPUC Service Territory	5,328	3,010,902	\$ 114,397,742	1,448
Outside	6,433	3,876,417	\$ 153,842,048	1,864

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Construction Activity Highlights – Quarter Ending March 31, 2016

Contracting:

- WD-2729 Fish Passage Facilities Within The Alameda Creek Watershed was awarded to Shimmick Construction Company, Inc. on December 12, 2016, for a total contract amount of \$28,939,300. The work on this contract will primarily be the construction of a fish ladder to facilitate fish passage around the existing Alameda Creek Diversion Dam.

Employment:

- 404 construction workers were employed for 72,646 hours and earned wages of \$2,797,424 on WSIP PLA-covered projects.
- 39 San Francisco residents worked 5,699 hours and earned wages of \$217,628 on WSIP PLA-Covered projects.
- The SFPUC Regional Service Territory consists of zip codes outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 180 residents of the Service Territory worked 33,924 hours and earned wages of \$1,278,089 on WSIP PLA-Covered projects.
- 95 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and only three individuals were prevented from working as the result of a positive test.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending March 31, 2016			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	404	72,646	\$2,797,424	35
San Francisco	39	5,699	\$ 217,628	3
SFPUC Service Territory	180	33,924	\$1,278,089	16
Outside	187	33,023	\$1,301,707	16

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

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Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through March 31, 2016					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	\$30 Million	\$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047
01/13/15	WD-2621R*	Western Water	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	\$ 8,676,685
01/28/14	WD-2727	Ranger Pipelines Inc	Peninsula Pipeline Seismic Upgrade	\$22.5 Million	\$ 20,736,380
01/22/13	WD-2575	Ranger Pipelines Inc	San Antonio Backup Pipeline	\$34 to \$38 Million	\$ 31,372,335
06/26/12	WD-2627R*	S.J.Amoroso	Sutro Reservoir Rehabilitation	\$28 to \$36 Million	\$ 27,453,000
06/26/12	WD-2666	Shimmick Construction	Bioregional Habitat Restoration, Sheep Camp Creek	\$2.7 Million	\$ 3,912,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Point...	\$5.9 to \$6.7 Million	\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well Drilling	\$3.6 to \$4.2 Million	\$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas...	\$6.4 Million	\$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	\$6.5 Million	\$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Aleman Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
Total 51 Projects					\$ 2,043,234,600

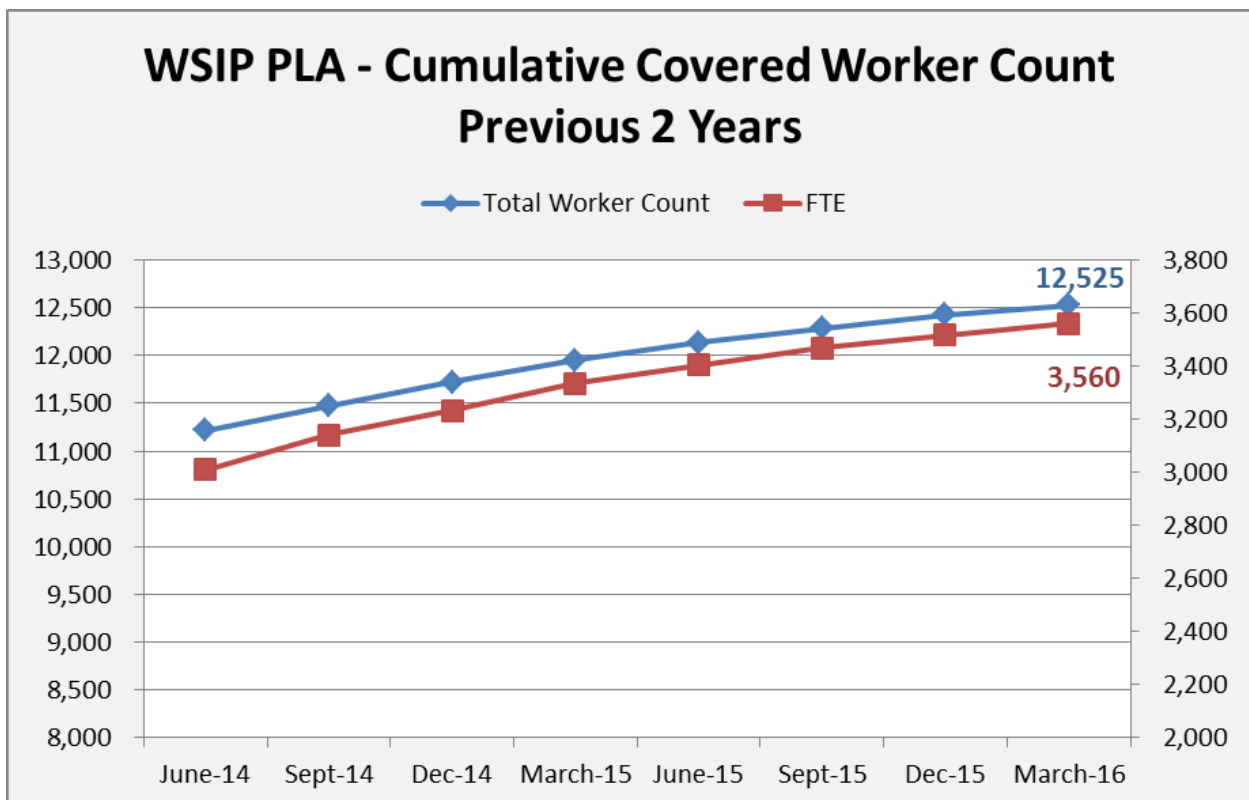
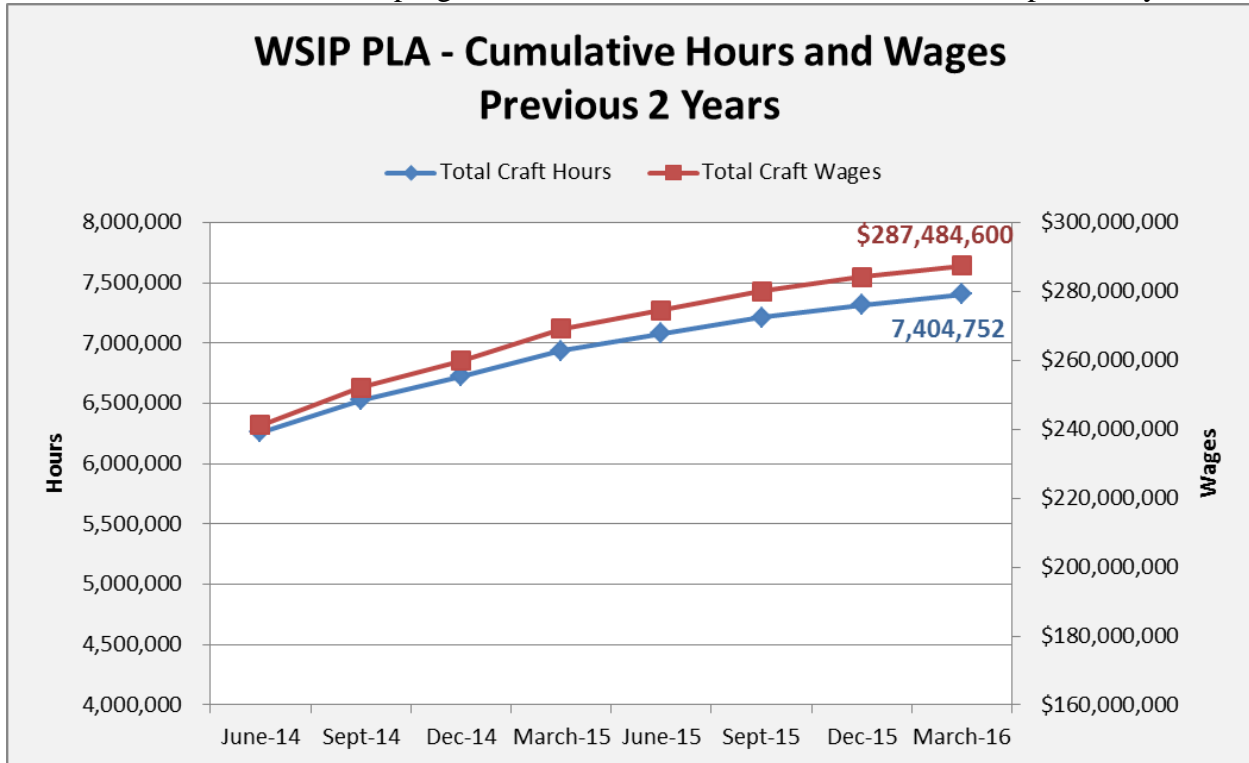
* Indicates projects located in San Francisco

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Summary Charts

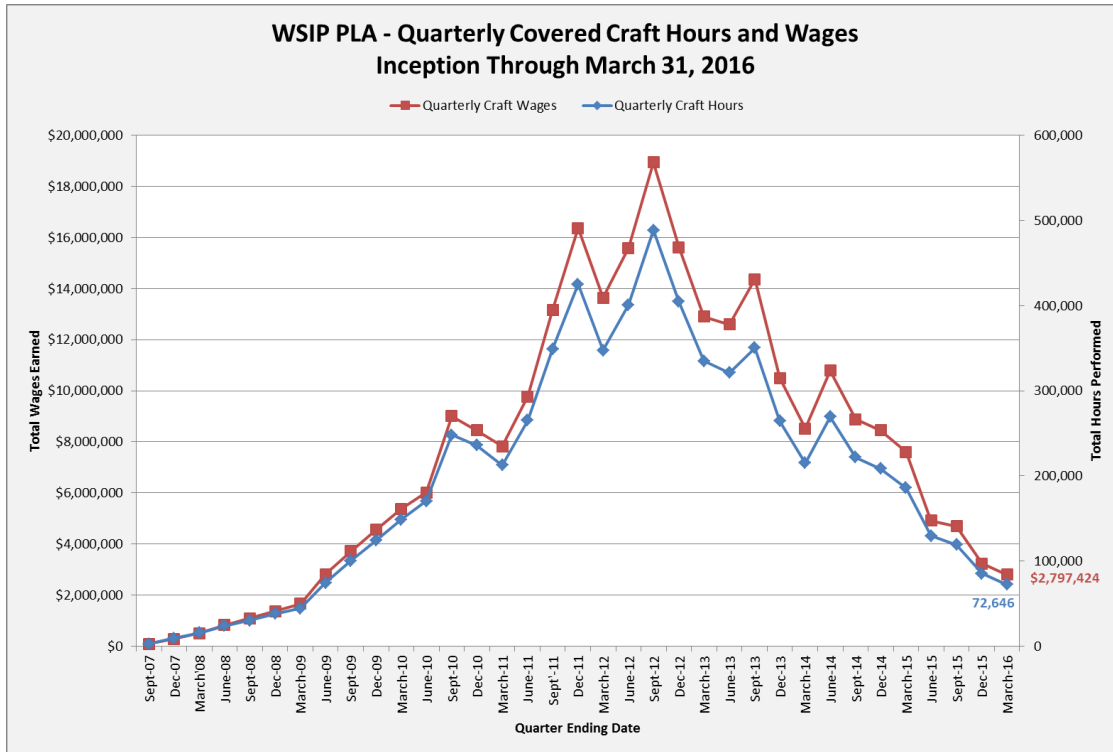
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending March 31, 2016; 12,525 workers on WSIP PLA-covered projects have achieved a cumulative total of 7,404,752 craft hours and \$287,484,600 in craft wages.

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

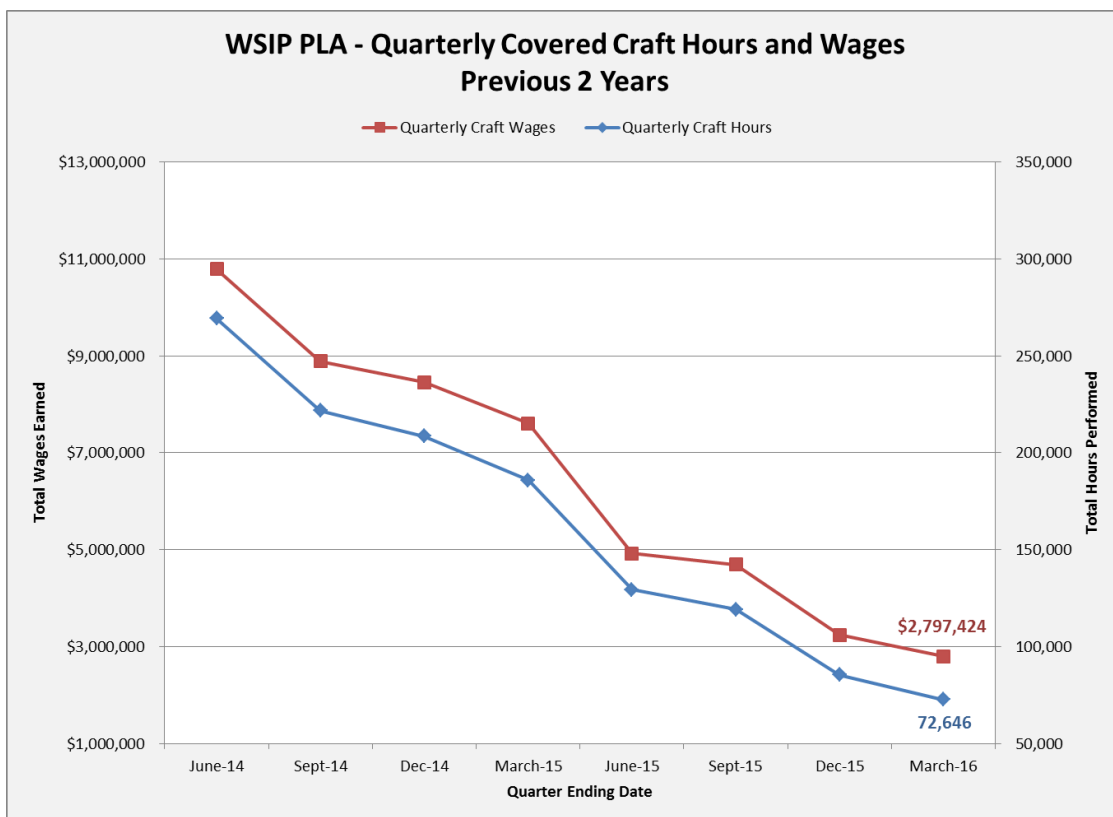


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 90% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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Craft Utilization on WSIP PLA-Covered Projects

As of March 31, 2016, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 32 craft areas.

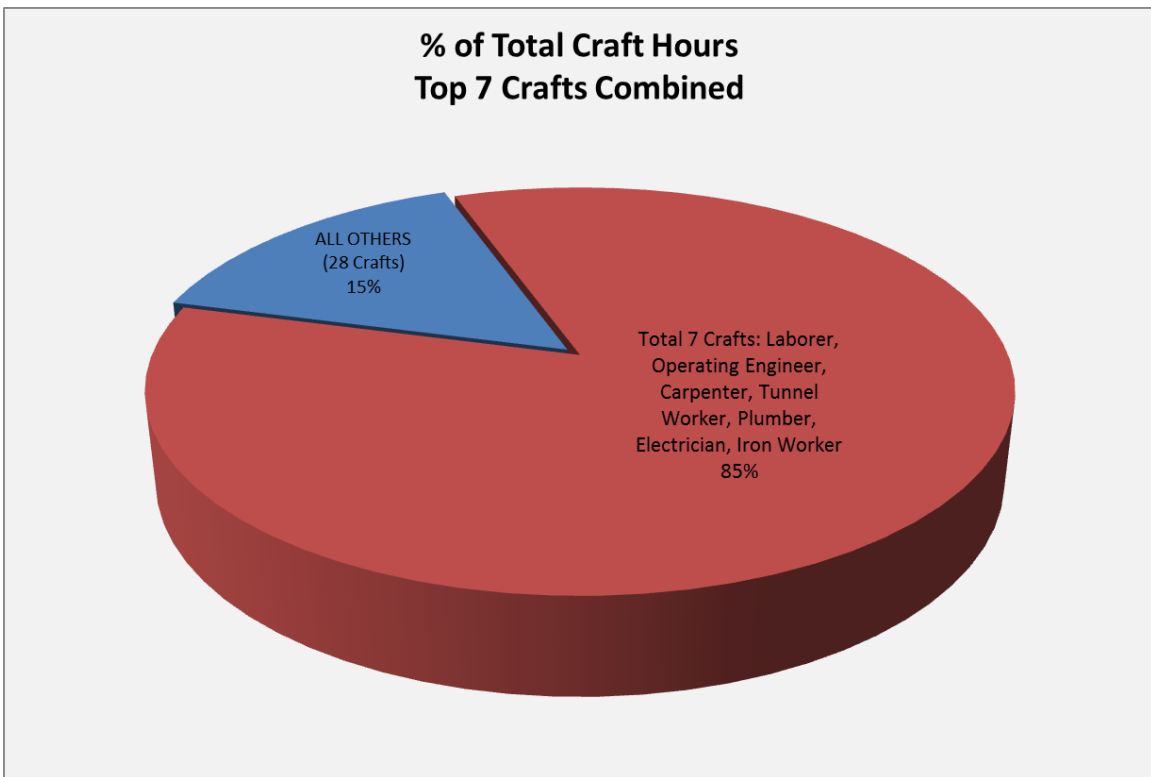
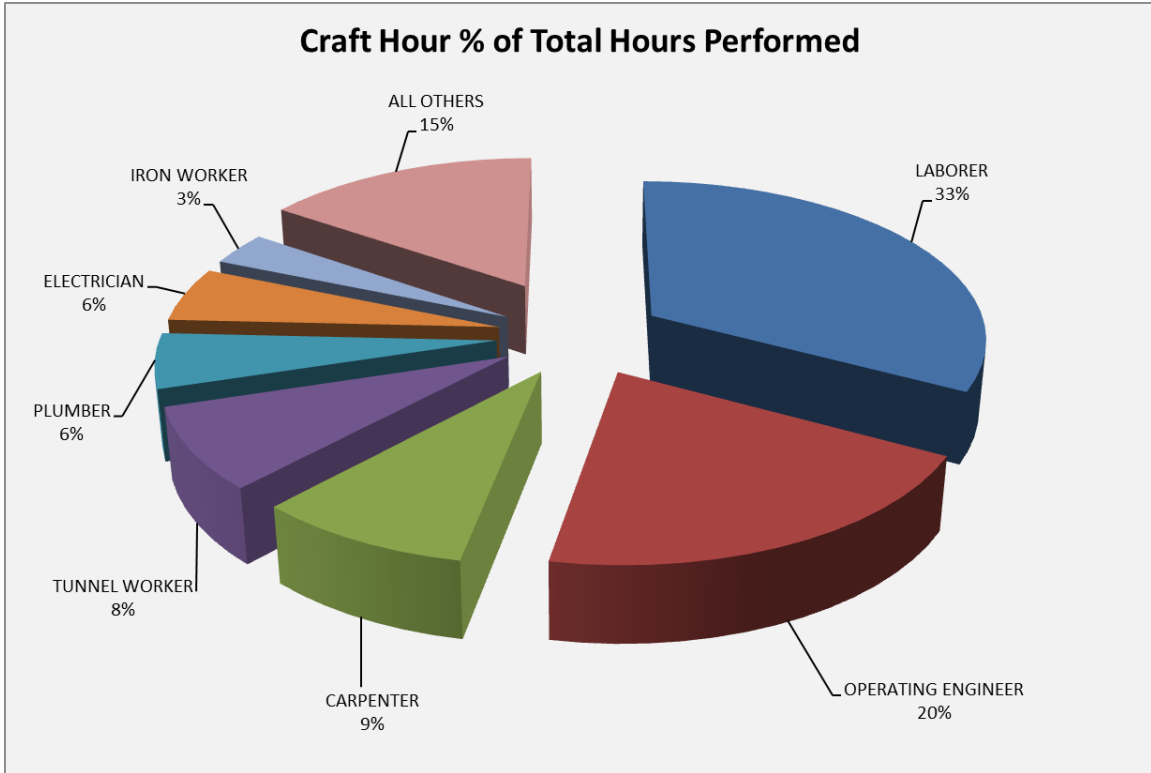
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

Cumulative Employment by Craft Inception Through March 31, 2016					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
LABORER (Combined)	2,430,741	\$ 73,169,605	32.8%	25.5%	1,169
OPERATING ENGINEER (Combined)	1,493,982	\$ 59,478,159	20.2%	20.7%	718
CARPENTER	664,848	\$ 27,546,469	9.0%	9.6%	320
TUNNEL WORKER (LABORER)	610,052	\$ 25,771,601	8.2%	9.0%	293
PLUMBER	409,294	\$ 19,039,358	5.5%	6.6%	197
ELECTRICIAN	407,457	\$ 21,369,042	5.5%	7.4%	196
IRON WORKER	248,165	\$ 8,350,761	3.4%	2.9%	119
Top 7 Sub-Total	6,264,539	\$ 234,724,994	84.6%	81.6%	3,012
PILE DRIVER (CARPENTER)	157,963	\$ 8,465,872	2.1%	2.9%	76
PAINTER	137,506	\$ 5,177,055	1.9%	1.8%	66
BOILERMAKER-BLACKSMITH	117,743	\$ 6,190,271	1.6%	2.2%	57
CEMENT MASON	115,631	\$ 4,015,414	1.6%	1.4%	56
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIALS	55,768	\$ 2,245,210	0.8%	0.8%	27
ROOFER	46,944	\$ 1,601,534	0.6%	0.6%	23
FIELD SURVEYOR	19,625	\$ 792,724	0.3%	0.3%	9
SHEET METAL WORKER	13,626	\$ 642,918	0.2%	0.2%	7
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	\$ 437,540	0.1%	0.2%	5
BRICKLAYER, BLOCKLAYER	8,473	\$ 322,453	0.1%	0.1%	4
ELECTRICAL UTILITY LINEMAN	6,790	\$ 417,183	0.1%	0.1%	3
GLAZIER	4,089	\$ 177,629	0.1%	0.1%	2
PLASTERER	2,699	\$ 89,254	0.0%	0.0%	1
PLASTER TENDER	961	\$ 31,202	0.0%	0.0%	0
BRICK TENDER	773	\$ 26,072	0.0%	0.0%	0
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	698	\$ 22,480	0.0%	0.0%	0
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166	0.0%	0.0%	0
TILE SETTER	351	\$ 12,929	0.0%	0.0%	0
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	\$ 14,281	0.0%	0.0%	0
TILE FINISHER	277	\$ 5,836	0.0%	0.0%	0
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	0.0%	0.0%	0
TERRAZZO WORKER	199	\$ 8,163	0.0%	0.0%	0
SHEET METAL WORKER (HVAC)	172	\$ 8,402	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	701,741	\$ 30,750,151	9.5%	10.7%	337
Total Non-Apprenticeable	438,472	\$ 22,009,454	5.9%	7.7%	211
Total WSIP - Covered by PLA	7,404,752	\$ 287,484,600	100%	100%	3,560

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This chart summarizes WSIP PLA- covered craft employment for trades with the largest number of craft hours as of March 31, 2016. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 70% of craft hours worked on PLA- covered projects.



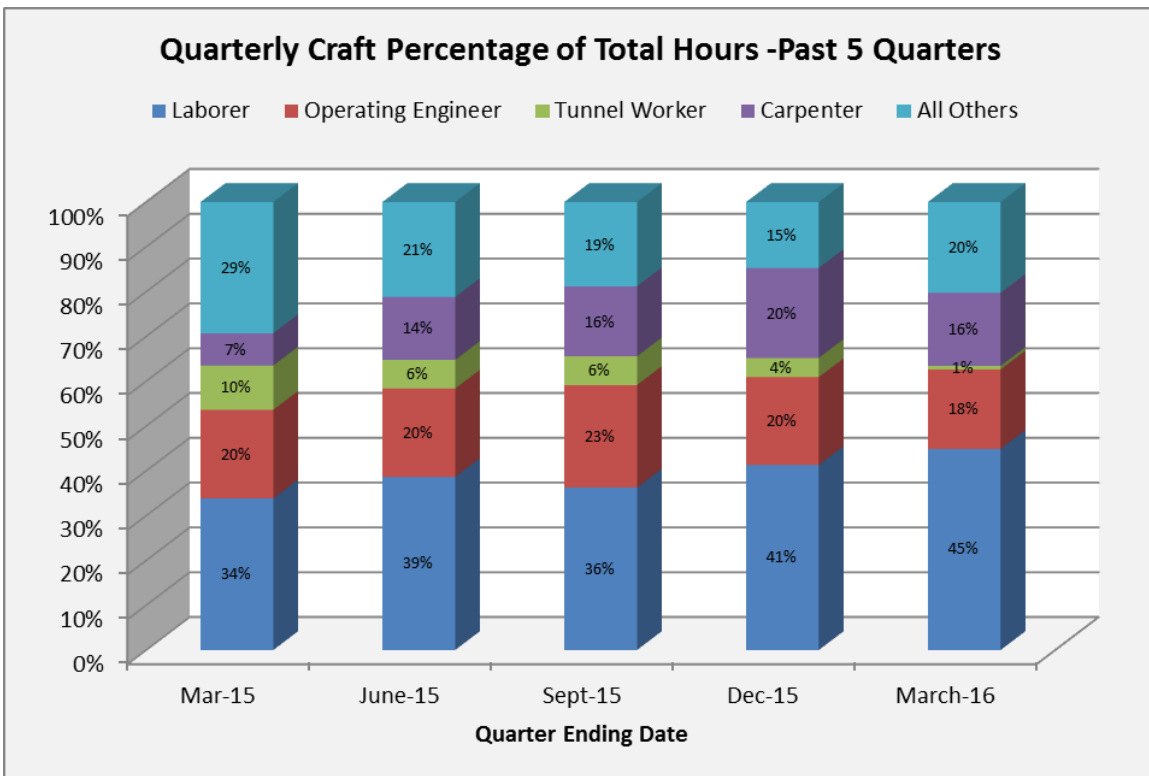
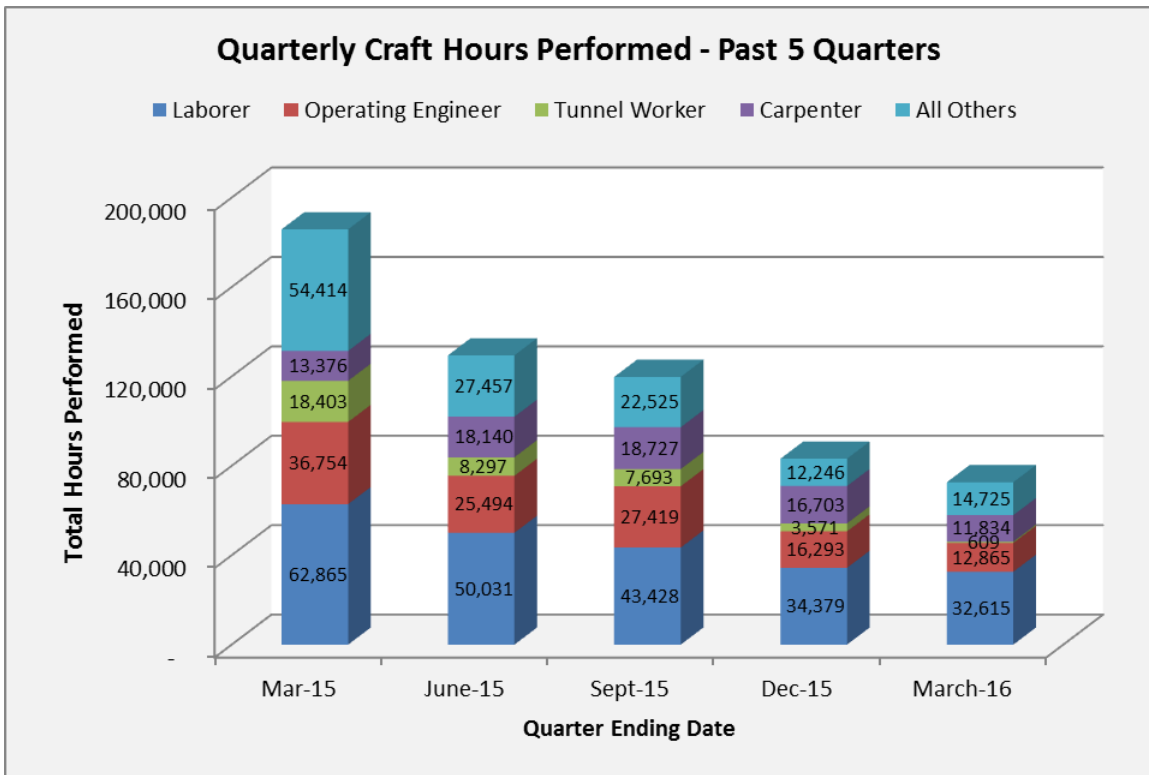
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 3/31/2016 Hours	Quarter Ending 3/31/2016 Wages
LABORER	2,430,741	\$ 73,169,605	32,615	\$ 1,059,292
OPERATING ENGINEER	491,972	\$ 18,261,063	5,312	\$ 232,399
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)	948,169	\$ 38,963,215	7,145	\$ 321,699
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,637	\$ 97,521	-	\$ -
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY WORK)	51,204	\$ 2,156,359	408	\$ 21,385
OPERATING ENGINEER (COMBINED)	1,493,982	\$ 59,478,159	12,865	\$ 575,483
CARPENTER	664,848	\$ 27,546,469	11,834	\$ 525,943
TUNNEL WORKER (LABORER)	610,052	\$ 25,771,601	609	\$ 25,096
PLUMBER	409,294	\$ 19,039,358	376	\$ 14,354
ELECTRICIAN	407,457	\$ 21,369,042	4,481	\$ 237,228
IRON WORKER	248,165	\$ 8,350,761	2,461	\$ 86,400
PILE DRIVER (CARPENTER)	157,963	\$ 8,465,872	-	\$ -
PAINTER	137,506	\$ 5,177,055	500	\$ 19,194
BOILERMAKER-BLACKSMITH	117,743	\$ 6,190,271	78	\$ 4,443
CEMENT MASON	115,631	\$ 4,015,414	2,292	\$ 87,171
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER	55,768	\$ 2,245,210	1,285	\$ 46,691
ROOFER	46,944	\$ 1,601,534	1,877	\$ 63,398
FIELD SURVEYOR	19,625	\$ 792,724	42	\$ 1,143
SHEET METAL WORKER	13,626	\$ 642,918	48	\$ 2,696
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	\$ 437,540	-	\$ -
BRICKLAYER, BLOCKLAYER	8,473	\$ 322,453	-	\$ -
ELECTRICAL UTILITY LINEMAN	6,790	\$ 417,183	-	\$ -
GLAZIER	4,089	\$ 177,629	-	\$ -
PLASTERER	2,699	\$ 89,254	-	\$ -
PLASTER TENDER	961	\$ 31,202	-	\$ -
BRICK TENDER	773	\$ 26,072	-	\$ -
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166	-	\$ -
TILE SETTER	351	\$ 12,929	-	\$ -
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	\$ 14,281	-	\$ -
TILE FINISHER	277	\$ 5,836	-	\$ -
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	-	\$ -
TERRAZZO WORKER	199	\$ 8,163	-	\$ -
SHEET METAL WORKER (HVAC)	172	\$ 8,402	-	\$ -
MARBLE FINISHER	40	\$ 1,342	-	\$ -
TERRAZZO FINISHER	4	\$ 160	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT (STRIPER-LABORER)	698	\$ 22,480	-	\$ -
Total Apprenticable	6,966,280	\$265,475,146	71,359	\$ 2,748,531
Non-Apprenticeable				
TEAMSTER	119,022	\$ 5,350,536	1,191	\$ 46,150
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	95,488	\$ 7,013,165	9	\$ 788
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK) (SPECIAL SINGLE AND SECOND SHIFT)	94,400	\$ 4,379,984	-	\$ -
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY WORK)	79,075	\$ 3,551,621	-	\$ -
ASBESTOS REMOVAL WORKER (LABORER)	17,057	\$ 431,301	-	\$ -
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY WORK) (SPECIAL SINGLE AND SECOND SHIFT)	13,146	\$ 582,242	-	\$ -
WATER WELL DRILLER	12,317	\$ 454,543	-	\$ -
LANDSCAPE MAINTENANCE LABORER	1,691	\$ 39,705	88	\$ 1,956
TREE TRIMMER (HIGH VOLTAGE LINE CLEARANCE)	1,422	\$ 36,006	-	\$ -
TELECOMMUNICATIONS TECHNICIAN	1,160	\$ 37,245	-	\$ -
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	1,001	\$ 35,916	-	\$ -
DREDGER OPERATING ENGINEER	831	\$ 33,307	-	\$ -
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	\$ 24,481	-	\$ -
SLURRY SEAL WORKER	592	\$ 14,870	-	\$ -
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER - HEAVY & HIGHWAY WORK)	282	\$ 12,787	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAINTER (PAINTER)	265	\$ 8,680	-	\$ -
IRONWORKER (DB)	80	\$ 2,772	-	\$ -
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	\$ 291	-	\$ -
Total Non-Apprenticeable	438,472	\$ 22,009,454	1,287	\$ 48,893
Total Apprenticable	6,966,280	\$265,475,146	71,359	\$ 2,748,531
Total WSIP PLA	7,404,752	\$287,484,600	72,646	\$ 2,797,424

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

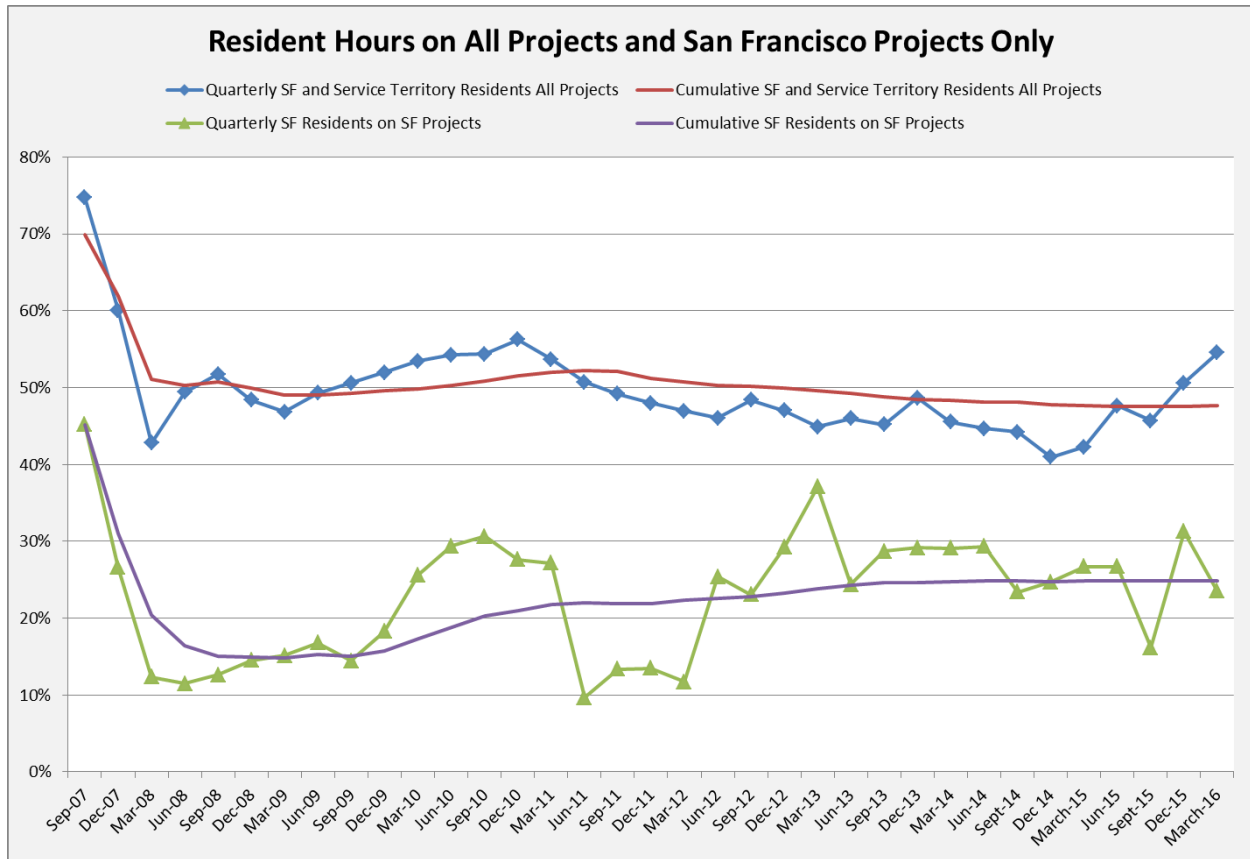


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Worker Residence on the WSIP PLA

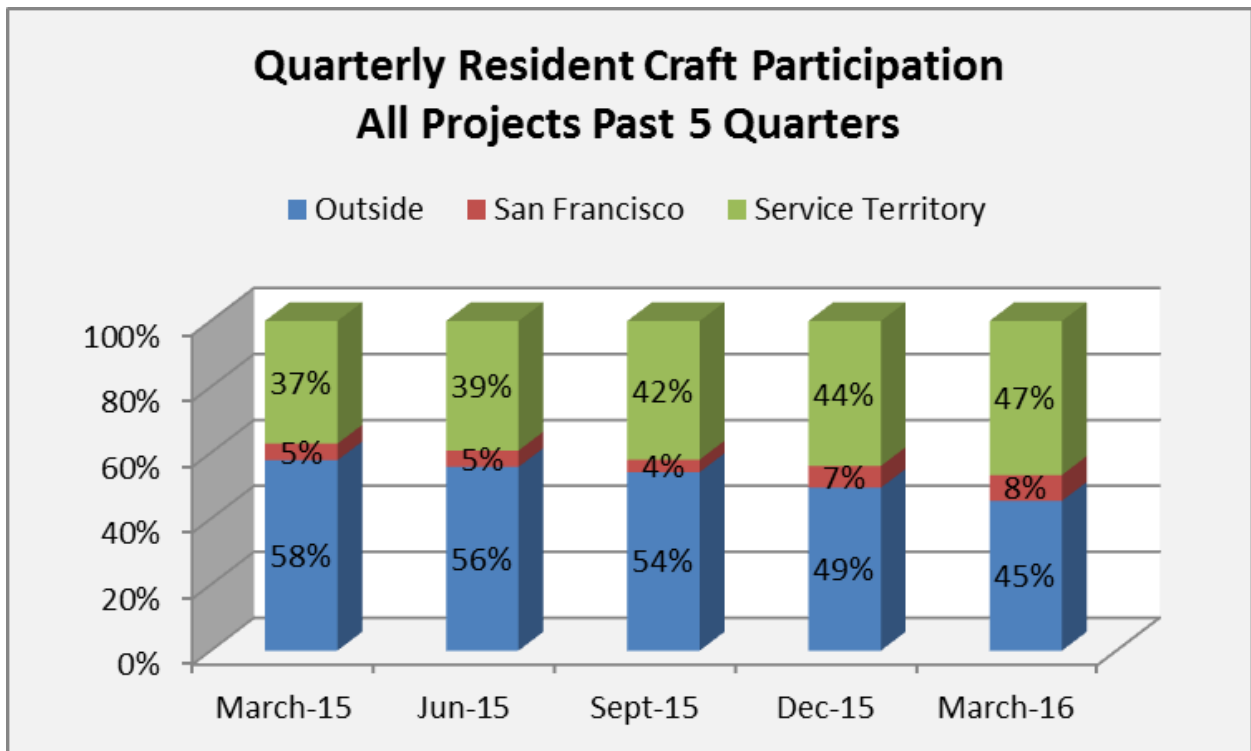
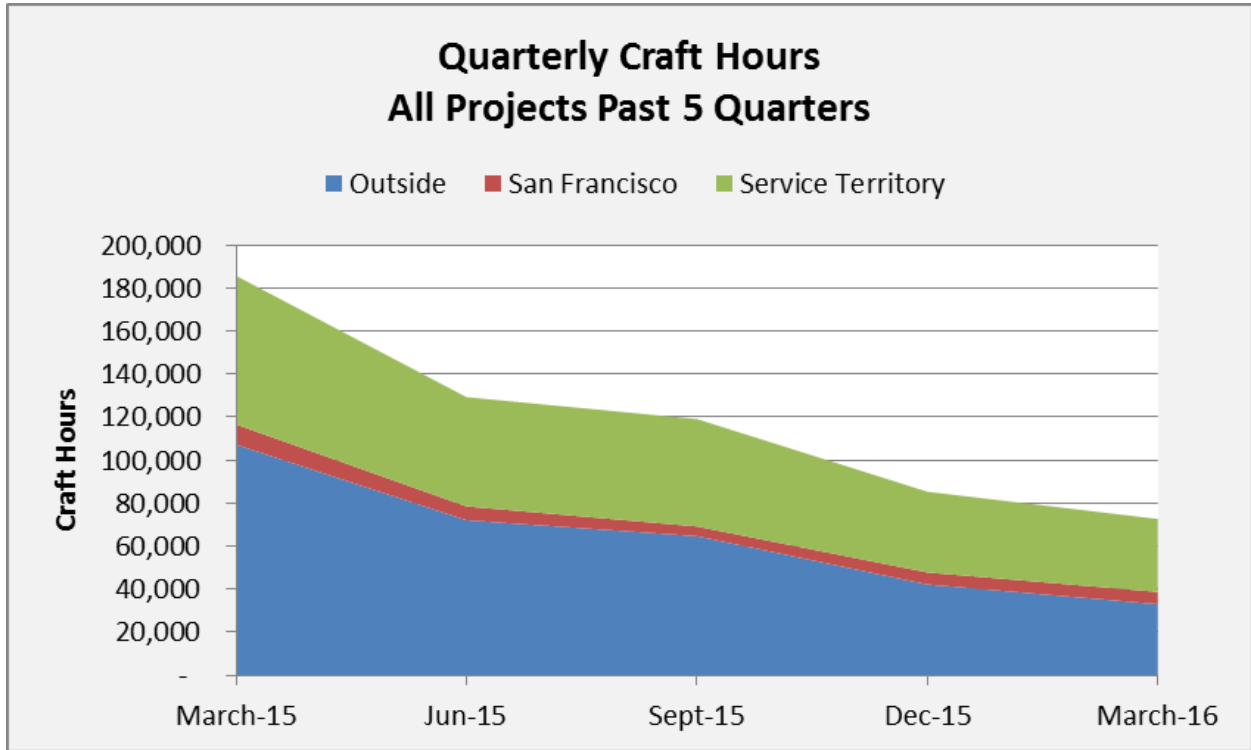
The Regional Service Territory covering seven counties is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Service Territory on WSIP PLA-covered projects through March 31, 2016.



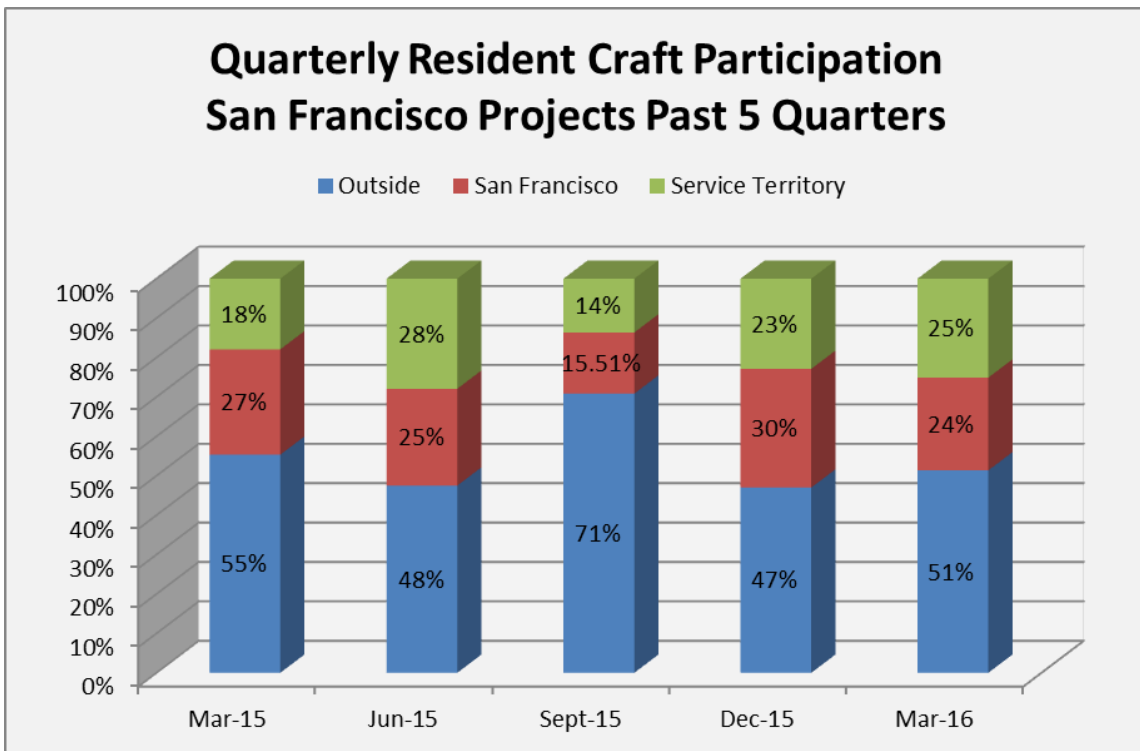
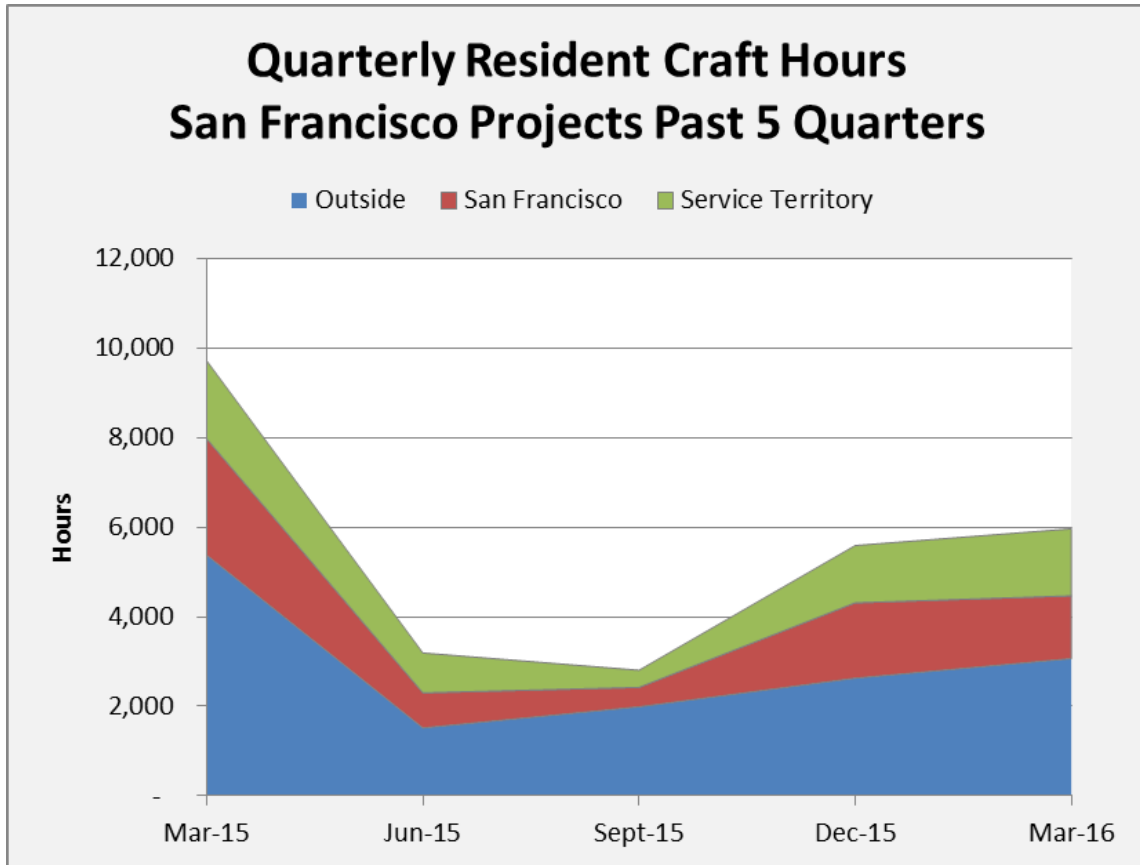
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Residence on ALL WSIP PLA Projects - Charted are 50 of the 51 total projects covered under the WSIP PLA within San Francisco and the Service Territory. WD-2729 Fish Passage Facilities Within the Alameda Creek Watershed had not commenced work as of March 31, 2016.



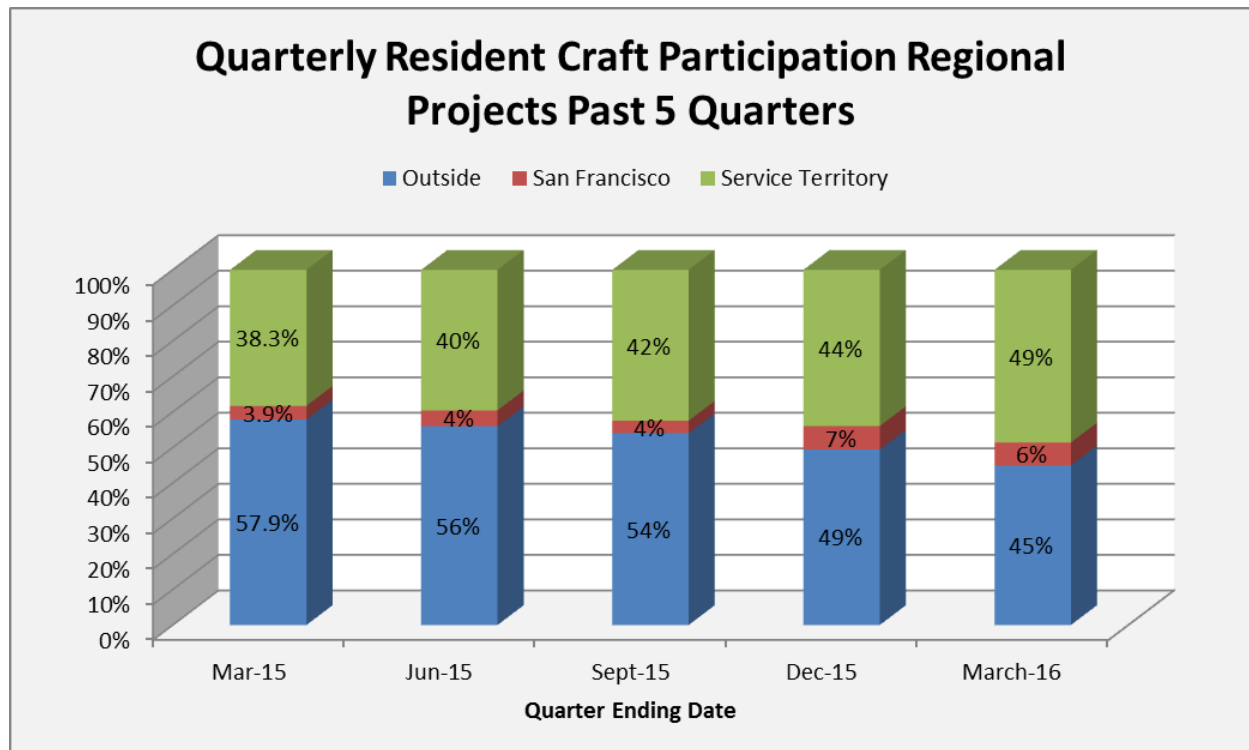
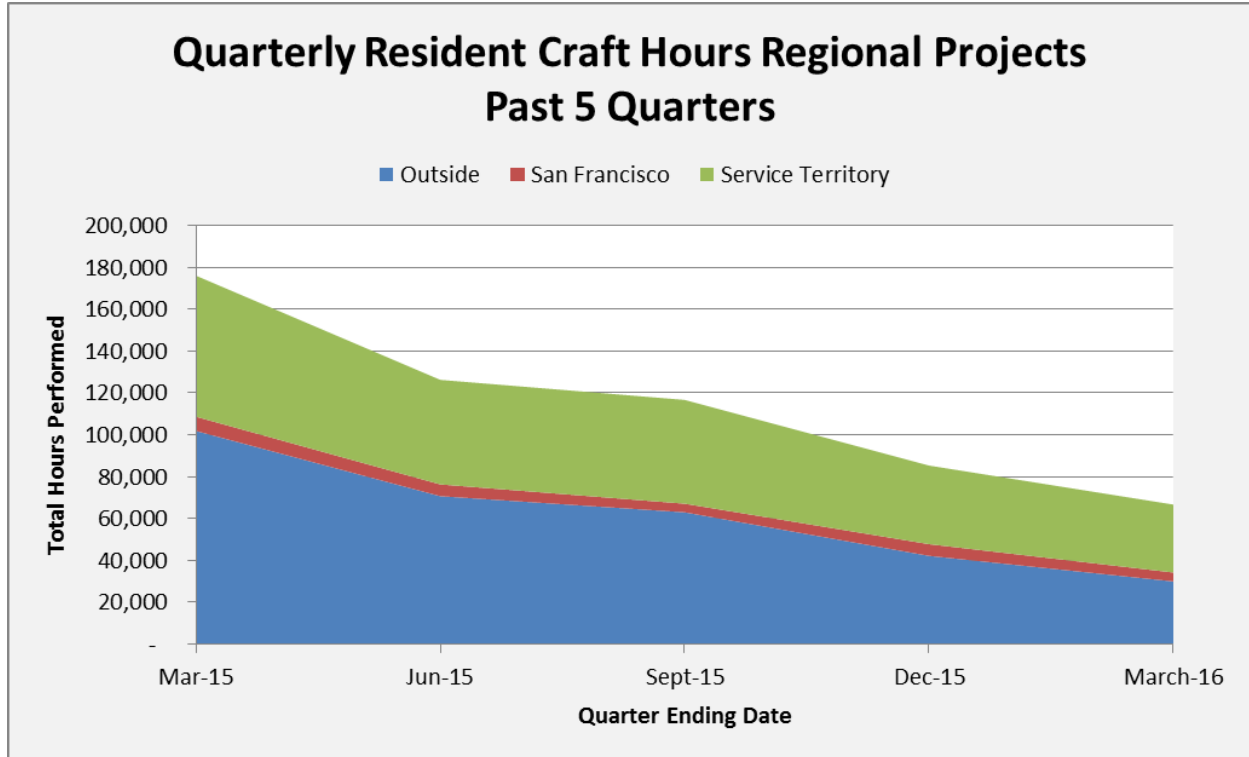
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 13 projects covered by the WSIP PLA located within San Francisco only.



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Residence on Regionally-located WSIP PLA Projects - Charted are the 37 projects covered by the WSIP PLA located within the Service Territory, not including WD-2729 Fish Passage Facilities Within the Alameda Creek Watershed.



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Residence by County

Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence					
Inception Through March 31, 2016					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda	1,293,964	\$ 47,375,457	17.5%	2,503	622
Contra Costa	990,163	\$ 37,917,341	13.4%	1,707	476
San Mateo	740,276	\$ 29,245,817	10.0%	1,161	356
San Joaquin	683,461	\$ 25,171,490	9.2%	1,062	329
San Francisco	521,778	\$ 19,346,587	7.0%	1,056	251
Santa Clara	424,423	\$ 17,257,075	5.7%	1,146	204
Solano	367,012	\$ 14,410,189	5.0%	705	176
Stanislaus	322,225	\$ 11,551,251	4.4%	530	155
Sacramento	314,151	\$ 12,183,982	4.2%	511	151
Butte	200,050	\$ 7,864,605	2.7%	110	96
Sonoma	156,158	\$ 6,200,108	2.1%	294	75
Tuolumne	89,722	\$ 3,430,300	1.2%	87	43
Calaveras	89,515	\$ 3,912,602	1.2%	77	43
Placer	71,946	\$ 2,853,946	1.0%	110	35
El Dorado	68,131	\$ 2,730,578	0.9%	80	33
Yolo	66,506	\$ 2,563,202	0.9%	87	32
Los Angeles	65,997	\$ 2,817,935	0.9%	131	32
Clark	62,469	\$ 2,761,951	0.8%	66	30
Shasta	58,752	\$ 2,556,729	0.8%	48	28
Napa	55,129	\$ 2,422,267	0.7%	72	27
Top 20 Counties by Hours	6,641,830	\$ 254,573,413	89.6%	11,543	3,193
All Other Counties	762,922	\$ 32,911,187	10.4%	982	367
WSIP-PLA Total	7,404,752	\$ 287,484,600	100%	12,525	3,560

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San Francisco Residents by Zip Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through March 31, 2016					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	89,307	\$ 3,116,880	17.1%	174	43
94124	80,233	\$ 2,994,522	15.4%	214	39
94110	75,127	\$ 2,544,600	14.4%	148	36
94116	61,637	\$ 2,990,067	11.8%	72	30
94134	41,427	\$ 1,260,044	7.9%	104	20
94122	27,791	\$ 1,227,826	5.3%	54	13
94121	24,331	\$ 963,133	4.7%	40	12
94103	23,374	\$ 716,107	4.5%	31	11
94127	18,771	\$ 672,857	3.6%	16	9
94102	8,588	\$ 382,553	1.6%	18	4
94132	8,386	\$ 330,470	1.6%	30	4
94118	8,330	\$ 408,182	1.6%	19	4
94117	7,877	\$ 195,835	1.5%	16	4
94107	7,618	\$ 283,975	1.5%	19	4
94131	7,389	\$ 280,522	1.4%	17	4
94133	5,216	\$ 185,606	1.0%	7	3
94114	4,835	\$ 187,416	0.9%	12	2
94164	3,451	\$ 98,256	0.7%	2	2
94109	3,403	\$ 100,514	0.7%	19	2
94108	3,348	\$ 71,658	0.6%	8	2
94130	3,273	\$ 69,745	0.6%	9	2
94115	1,713	\$ 50,425	0.3%	21	1
94188	1,391	\$ 33,477	0.3%	5	1
94142	1,318	\$ 57,607	0.3%	7	1
94111	661	\$ 14,669	0.1%	3	0
94166	638	\$ 30,298	0.1%	1	0
94104	523	\$ 13,179	0.1%	3	0
94123	496	\$ 24,939	0.1%	2	0
94129	447	\$ 13,106	0.1%	1	0
94140	288	\$ 11,589	0.1%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94105	141	\$ 2,599	0.0%	1	0
94125	29	\$ 994	0.0%	2	0
94158	8	\$ 178	0.0%	1	0
Total	521,778	\$ 19,346,587	100%	1,079	251
WSIP-PLA Total	7,404,752	\$ 287,484,600	-	12,525	3,560

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Residence by Craft

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through March 31, 2016							
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)	948,169	17,452	366,880	563,837	1.8%	38.7%	59.5%
CARPENTER	664,848	76,313	277,390	311,146	11.5%	41.7%	46.8%
TUNNEL WORKER (LABORER)	610,052	11,102	244,642	354,308	1.8%	40.1%	58.1%
OPERATING ENGINEER	491,972	44,423	171,986	275,564	9.0%	35.0%	56.0%
PLUMBER	409,294	80,873	131,890	196,532	19.8%	32.2%	48.0%
ELECTRICIAN	407,457	22,395	236,929	148,134	5.5%	58.1%	36.4%
IRON WORKER	248,165	19,391	91,666	137,108	7.8%	36.9%	55.2%
PILE DRIVER (CARPENTER)	157,963	6,526	42,549	108,888	4.1%	26.9%	68.9%
PAINTER	137,506	8,817	13,181	115,509	6.4%	9.6%	84.0%
BOILERMAKER-BLACKSMITH	117,743	48	22,876	94,818	0.0%	19.4%	80.5%
CEMENT MASON	115,631	5,596	50,511	59,523	4.8%	43.7%	51.5%
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS	55,768	3,899	9,695	42,175	7.0%	17.4%	75.6%
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	51,204	499	8,518	42,187	1.0%	16.6%	82.4%
ROOFER	46,944	2,450	25,942	18,553	5.2%	55.3%	39.5%
FIELD SURVEYOR	19,625	1,334	3,727	14,565	6.8%	19.0%	74.2%
SHEET METAL WORKER	13,626	415	8,730	4,481	3.0%	64.1%	32.9%
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	1,178	2,091	7,121	11.3%	20.1%	68.5%
BRICKLAYER, BLOCKLAYER	8,473	82	4,321	4,071	1.0%	51.0%	48.0%
ELECTRICAL UTILITY LINEMAN	6,790		211	6,579	0.0%	3.1%	96.9%
GLAZIER	4,089	958	1,248	1,884	23.4%	30.5%	46.1%
PLASTERER	2,699	1,110	611	979	41.1%	22.6%	36.3%
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,637	47	1,691	899	1.8%	64.1%	34.1%
PLASTER TENDER	961	706	109	147	73.4%	11.3%	15.2%
BRICK TENDER	773	287	19	467	37.1%	2.5%	60.4%
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	368		372	326	0.0%	101.1%	88.5%
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507		197	310	0.0%	38.9%	61.1%
TILE SETTER	351		344	7	0.0%	98.0%	2.0%
CARPET, LINOLEUM, SOFT FLOOR LAYER	315	6	70	239	1.9%	22.2%	75.9%
TILE FINISHER	277		237	40	0.0%	85.6%	14.4%
METAL ROOFING SYSTEMS INSTALLER	201			201	0.0%	0.0%	100.0%
TERRAZZO WORKER	199			199	0.0%	0.0%	100.0%
SHEET METAL WORKER (HVAC)	172		138	34	0.0%	80.2%	19.8%
MARBLE FINISHER	40		40		0.0%	100.0%	0.0%
TERRAZZO FINISHER	4		4		0.0%	100.0%	0.0%
Total Apprenticeable	4,535,539	305,902	1,718,811	2,510,826	6.7%	37.9%	55.4%
LABORER	2,430,741	184,354	1,061,049	1,185,338	7.6%	43.7%	48.8%
Non-Apprenticeable							
TEAMSTER	119,022	9,387	64,869	44,766	7.9%	54.5%	37.6%
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	95,488	16,307	63,390	15,792	17.1%	66.4%	16.5%
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK) (SPECIAL SINGLE SHIFT)	94,400		39,892	54,508	0.0%	42.3%	57.7%
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY)	79,075	70	44,357	34,648	0.1%	56.1%	43.8%
ASBESTOS REMOVAL WORKER (LABORER)	17,057	887	2,256	13,914	5.2%	13.2%	81.6%
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY)	13,146		3,850	9,296	0.0%	29.3%	70.7%
WATER WELL DRILLER	12,317		7,533	4,784	0.0%	61.2%	38.8%
LANDSCAPE MAINTENANCE LABORER	1,691	360	830	501	21.3%	49.1%	29.6%
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%
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	1,001		789	212	0.0%	78.8%	21.2%
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		321	271	0.0%	54.3%	45.7%
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER)	282		282		0.0%	100.0%	0.0%
PARKING AND HIGHWAY IMPROVEMENT PAINTER (PAINTER)	265		167	98	0.0%	63.0%	37.0%
IRONWORKER (DB)	80			80	0.0%	0.0%	100.0%
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11			11	0.0%	0.0%	100.0%
Total Non-Apprenticeable	438,472	27,177	231,042	180,253	6.2%	52.7%	41.1%
Total WSIP PLA	7,404,752	517,433	3,010,902	3,876,417	7.0%	40.7%	52.4%

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Residence by Project

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project Craft Employment Summary Through March 31, 2016							
Project	Total Hours	San Francisco Horus	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2596 - Harry Tracy Water Treatment Plant Lo	1,012,066	63,395	371,990	576,681	6.3%	36.8%	57.0%
WD-2551 Calaveras Dam Replacement Project	844,877	4,029	287,196	553,651	0.5%	34.0%	65.5%
WD-2581 - New Irvington Tunnel	730,152	3,538	305,769	420,845	0.5%	41.9%	57.6%
WD-2531 - Bay Division Pipelines Reliability Upgrad	574,377	18,402	329,204	226,772	3.2%	57.3%	39.5%
WD-2601 - Crystal Springs / San Andreas Transmis	488,398	25,322	191,884	271,191	5.2%	39.3%	55.5%
WD-2582 - Sunol Valley Water Treatment Plant and	462,409	11,320	193,094	257,996	2.4%	41.8%	55.8%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula R	287,972	2,888	132,407	152,677	1.0%	46.0%	53.0%
CS-936 - Advanced Meter Infrastructure	227,022	72,108	84,616	70,298	31.8%	37.3%	31.0%
WD-2541 - Bay Division Pipeline No. 5 - East Bay Re	208,220	14,155	83,024	111,042	6.8%	39.9%	53.3%
WD-2539 - University Mound Reservoir North Basin	187,025	50,004	44,746	92,276	26.7%	23.9%	49.3%
WD-2627R Sutro Reservoir Rehabilitation and Seisr	154,357	49,225	39,318	65,814	31.9%	25.5%	42.6%
HH-935C - San Joaquin Pipeline System - Eastern Se	144,007	83	80,525	63,400	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,840	2,062	95,028	44,751	1.5%	67.0%	31.5%
WD-2629 Seismic Upgrade of Bay Division Pipeline	135,950	567	55,316	80,068	0.4%	40.7%	58.9%
WD-2552 - Alameda Siphon No. 4 Project	129,478	1,450	57,583	70,445	1.1%	44.5%	54.4%
WD-2555 - Crystal Springs Pipeline No.2 Replaceme	127,743	34,923	35,352	57,468	27.3%	27.7%	45.0%
WD-2498 - New Crystal Springs Bypass (Polhemus)	117,809	6,825	61,030	49,955	5.8%	51.8%	42.4%
WD-2652 Bioregional Habitat Restoration, San Ant	105,132	2,183	41,034	61,916	2.1%	39.0%	58.9%
WD-2548 - Lake Merced Pump Station Essential Up	101,056	23,185	27,208	50,663	22.9%	26.9%	50.1%
HH-935B - San Joaquin Pipeline System - Western S	100,478	426	42,710	57,342	0.4%	42.5%	57.1%
WD-2591 - Lower Crystal Springs Dam Improverme	98,686	5,022	57,610	36,055	5.1%	58.4%	36.5%
HH-935A - San Joaquin Pipeline System - Crossover	84,472	158	45,733	38,581	0.2%	54.1%	45.7%
WD-2513 - San Andreas Pipeline No.3 Installation P	82,356	6,294	26,717	49,345	7.6%	32.4%	59.9%
WD-2575 San Antonio Backup Pipeline	75,255	9,125	31,714	34,416	12.1%	42.1%	45.7%
WD-2504 - Stanford Heights Reservoir Seismic Ret	74,299	11,120	19,865	43,314	15.0%	26.7%	58.3%
WD-2501 - Alemany Pump Station	74,094	7,572	28,838	37,684	10.2%	38.9%	50.9%
WD-2727 Peninsula Pipeline Seismic Upgrade	69,455	13,587	22,594	33,274	0.20	0.33	0.48
WD-2668 Regional Groundwater Storage and Reco	65,250	10,999	29,379	24,872	16.9%	45.0%	38.1%
WD-2543 - North University Mound System Upgrad	53,226	10,235	18,174	24,818	19.2%	34.1%	46.6%
WD-2573 - Pulgas Balancing Reservoir Structural R	50,372	5,166	24,782	20,425	10.3%	49.2%	40.5%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	4,908	14,647	28,355	10.2%	30.6%	59.2%
WD-2641R Habitat Reserve Program, Homestead P	44,018	7,286	11,135	25,597	16.6%	25.3%	58.2%
WD-2564 - Harry Tracy Water Treatment Plant - S	43,047	7,220	12,709	23,118	16.8%	29.5%	53.7%
WD-2469 - Forest Knolls Pump Station and Storage	26,552	3,844	8,139	14,569	14.5%	30.7%	54.9%
WD-2666 Bioregional Habitat Restoration, Sheep C	23,474	46	7,022	16,406	0.2%	29.9%	69.9%
WD-2623 - Harding Park Recycled Water Project	22,726	4,530	13,463	4,734	19.9%	59.2%	20.8%
WD-2529 - Noe Valley Transmission Main - Phase II	22,511	3,918	7,931	10,662	17.4%	35.2%	47.4%
WD-2651R Peninsula 2011 Watershed Compensatio	22,245	557	11,289	10,399	2.5%	50.7%	46.7%
WD-2665 Bay Division Pipeline Reliability Upgrad	21,967	341	6,958	14,668	1.6%	31.7%	66.8%
WD-2556 - Baden and San Pedro Valve Lot Improve	19,937	4,570	10,632	4,735	22.9%	53.3%	23.8%
WD-2622 San Francisco Groundwater Supply Pipeli	17,782	4,360	2,503	10,919	24.5%	14.1%	61.4%
WD-2621R San Francisco Groundwater Supply Well	15,741	3,741	3,462	8,538	23.8%	22.0%	54.2%
WD-2566 - San Antonio Pump Station Upgrades Pro	14,916	101	11,984	2,831	0.7%	80.3%	19.0%
HH-914R - Roselle Crossover Improvements	12,859	-	8,789	4,070	0.0%	68.3%	31.7%
HH-953 - Tesla Portal Protection	11,512	4,989	4,453	2,071	43.3%	38.7%	18.0%
WD-2511 - Standby Power Facilities, Various Loca	11,261	136	6,592	4,534	1.2%	58.5%	40.3%
WD-2640 Bioregional Habitat Restoration	10,621	1,259	4,182	5,180	11.9%	39.4%	48.8%
WD-2600 Regional Groundwater Storage and Reco	6,088	-	296	5,792	0.0%	4.9%	95.1%
WD-2589 - Supervisory Control and Data Acquisiti	1,498	113	242	1,144	7.6%	16.1%	76.3%
WD-2654R Peninsula Vegetation Removal	256	152	40	64	59.4%	15.6%	25.0%
WD-2729 Fish Passage Facilities Within The Alame	-	-	-	-	-	-	-
Total WSIP PLA	7,404,752	517,433	3,010,902	3,876,417	7.0%	40.7%	52.4%

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Apprentice Utilization

The WSIP PLA supports the apprentice ratios provided by the State of California’s, Division of Apprenticeship Standards, generally 1 Apprentice hour to every 5 Journey-level hours.

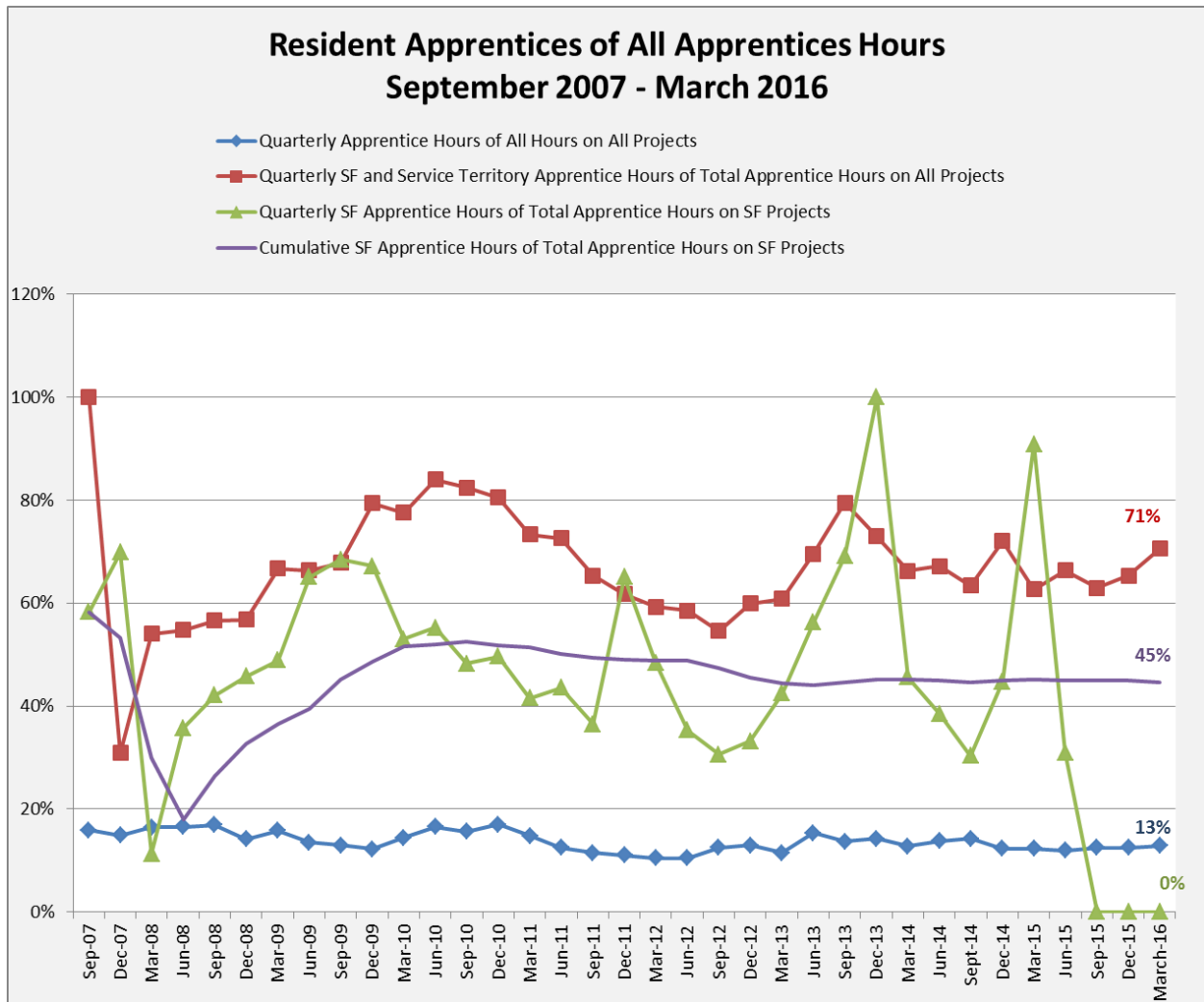
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 17.3% of apprentice hours were worked by San Francisco residents and 53.5% were worked by residents of the Service Territory, or 70.8% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Hours Performed by San Francisco Residents	% of Craft Hours Performed by Service Territory Residents	% of Craft Hours Performed by Outside Residents
A - OPERATING ENGINEER (HEAVY AND HIGHWAY)	948,169	20,655	3,912	11,451	5,293	2.2%	0.4%	1.2%	18.9%	55.4%	25.6%
A - CARPENTER AND RELATED TRADES	664,848	105,006	27,537	48,330	29,140	15.8%	4.1%	7.3%	26.2%	46.0%	27.8%
A - TUNNEL WORKER (LABORER)	610,052	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - OPERATING ENGINEER	491,972	158,740	24,456	61,464	72,821	32.3%	5.0%	12.5%	15.4%	38.7%	45.9%
A - PLUMBER	409,294	113,550	32,748	55,864	24,937	27.7%	8.0%	13.6%	28.8%	49.2%	22.0%
A - ELECTRICIAN	407,457	74,597	7,565	51,669	15,363	18.3%	1.9%	12.7%	10.1%	69.3%	20.6%
A - IRON WORKER	248,165	53,793	12,117	22,687	18,989	21.7%	4.9%	9.1%	22.5%	42.2%	35.3%
A - PILE DRIVER (CARPENTER)	157,963	12,077	4,451	3,464	4,163	7.6%	2.8%	2.2%	36.9%	28.7%	34.5%
A - PAINTER	137,506	23,307	1,809	3,544	17,955	16.9%	1.3%	2.6%	7.8%	15.2%	77.0%
A - BOILERMAKER-BLACKSMITH	117,743	2,354	40	1,238	1,076	2.0%	0.0%	1.1%	1.7%	52.6%	45.7%
A - CEMENT MASON	115,631	5,044	3,608	284	1,152	4.4%	3.1%	0.2%	71.5%	5.6%	22.8%
A - BUILDING/CONSTRUCTION INSPECTOR AND	55,768	1,581	5	897	679	2.8%	0.0%	1.6%	0.3%	56.7%	42.9%
A - PILE DRIVER (OPERATING ENGINEER - HEAVY)	51,204	30	-	-	30	0.1%	0.0%	0.0%	0.0%	0.0%	100.0%
A - ROOFER	46,944	11,325	1,130	5,595	4,601	24.1%	2.4%	11.9%	10.0%	49.4%	40.6%
A - FIELD SURVEYOR	19,625	458	-	66	392	2.3%	0.0%	0.3%	0.0%	14.4%	85.6%
A - SHEET METAL WORKER	13,626	1,570	16	919	635	11.5%	0.1%	6.7%	1.0%	58.5%	40.5%
A - DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	281	60	155	66	2.7%	0.6%	1.5%	21.4%	55.2%	23.5%
A - BRICKLAYER, BLOCKLAYER	8,473	2,655	82	573	2,000	31.3%	1.0%	6.8%	3.1%	21.6%	75.3%
A - ELECTRICAL UTILITY LINEMAN	6,790	79	-	79	-	1.2%	0.0%	1.2%	0.0%	100.0%	0.0%
A - GLAZIER	4,089	504	342	20	142	12.3%	8.4%	0.5%	67.9%	4.0%	28.2%
A - PLASTERER	2,699	347	136	-	211	12.9%	5.0%	0.0%	39.2%	0.0%	60.8%
A - OPERATING ENGINEER (SPECIAL SINGLE AND	2,637	1,162	-	1,047	115	44.1%	0.0%	39.7%	0.0%	90.1%	9.9%
A - PLASTER TENDER	961	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - BRICK TENDER	773	24	24	-	-	3.1%	3.1%	0.0%	100.0%	0.0%	0.0%
A - PARKING AND HIGHWAY IMPROVEMENT PAINT	698	2	-	2	-	0.3%	0.0%	0.3%	0.0%	100.0%	0.0%
A - ASBESTOS WORKER, HEAT AND FROST INSUL	507	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - TILE SETTER	351	20	-	20	-	5.7%	0.0%	5.7%	0.0%	100.0%	0.0%
A - CARPET, LINOLEUM, SOFT FLOOR LAYER	315	12	-	12	-	3.8%	0.0%	3.8%	0.0%	100.0%	0.0%
A - TILE FINISHER	277	40	-	-	40	14.4%	0.0%	0.0%	0.0%	0.0%	100.0%
A - METAL ROOFING SYSTEMS INSTALLER	201	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - TERRAZZO WORKER	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - SHEET METAL WORKER (HVAC)	172	8	-	8	-	4.7%	0.0%	4.7%	0.0%	100.0%	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	4,535,539	589,218	120,036	269,384	199,798	13.0%	2.6%	5.9%	20.4%	45.7%	33.9%
A - LABORER	2,430,741	339,425	40,552	227,603	71,271	14.0%	1.7%	9.4%	11.9%	67.1%	21.0%
A-Operating Engineer (COMBINED)	1,442,778	180,557	28,367	73,961	78,229	12.5%	2.0%	5.1%	15.7%	41.0%	43.3%
Total Apprenticeable	6,966,280	928,643	160,587	496,987	271,069	13.3%	2.3%	7.1%	17.3%	53.5%	29.2%
Total Non-Apprenticeable	438,472										
Total WSIP - Covered by PLA	7,404,752										

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For the three months ending March 31, 2016, no Apprentice Hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line), consistent with the last two quarters. As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



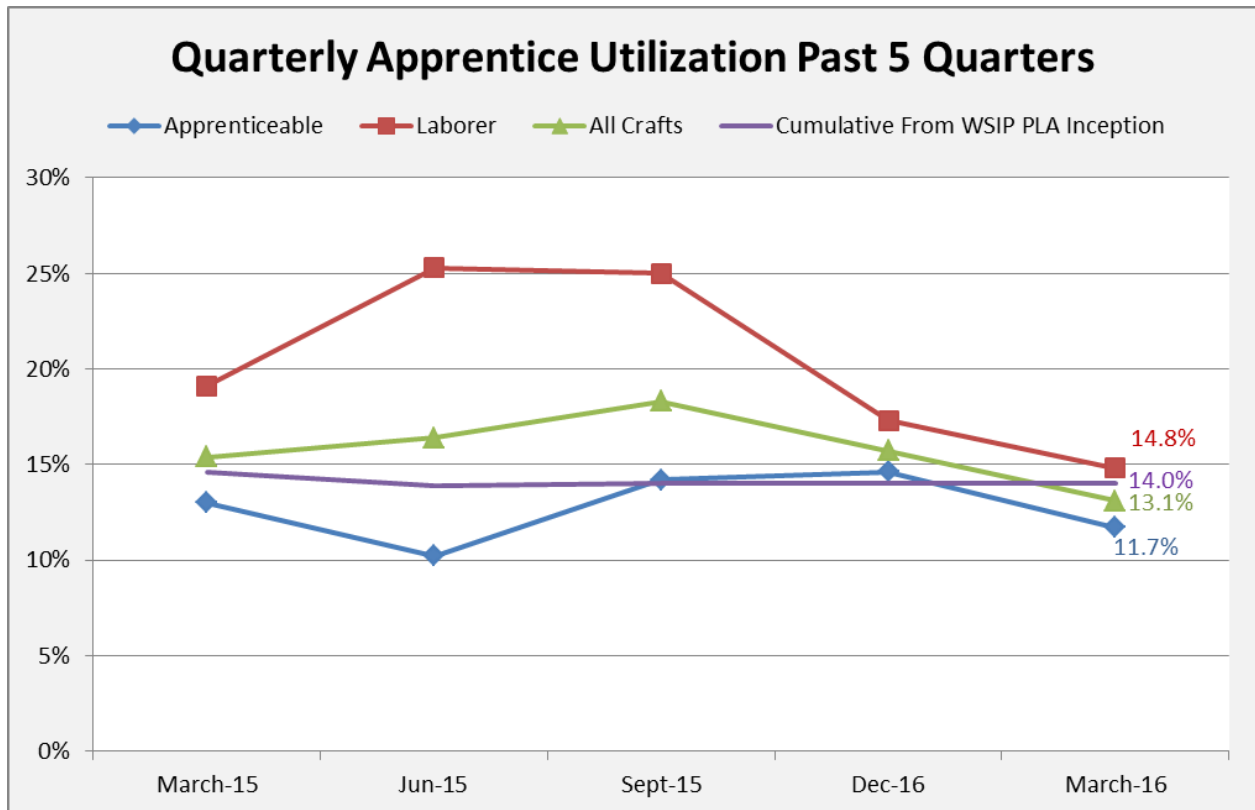
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 14%. This is slightly higher than the 13.3% mentioned in the *Apprentice Utilization by Craft* chart (page 20) because the chart below reflects the Total Apprenticeable and Laborer Hours which is slightly lower than the Total Craft Hours used to calculate the percentage for crafts.

WSIP - Covered by PLA Apprentice Utilization By Project Inception through March 31, 2016											
Project	All Workers Hours					Apprentice Utilization By Project			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - Advanced Mete	227,022	226,137		885	227,022	79,373		79,373	35.1%	0.0%	35.0%
HH-953 - Tesla Portal Pr	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2498 - New Crystal S	117,809	51,330	54,937	11,543	62,872	12,356	5,252	17,607	24.1%	45.5%	28.0%
WD-2641RHabitat Reser	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
DB-116 - Tesla Treatmen	141,840	97,724	1,863	42,254	139,977	16,580	10,380	26,960	17.0%	24.6%	19.3%
WD-2652 Bioregional Ha	105,132	19,404	3,086	82,642	102,046	1,468	18,061	19,529	7.6%	21.9%	19.1%
WD-2727 Peninsula Pipel	69,455	29,802	3,583	36,070	65,872	4,200	7,538	11,737	14.1%	20.9%	17.8%
WD-2552 - Alameda Siph	129,478	75,394	8,009	46,075	121,469	11,675	9,053	20,728	15.5%	19.6%	17.1%
WD-2575 San Antonio Ba	75,255	45,715	1,151	28,389	74,104	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2651R Peninsula 201	22,245	4,777	3,239	14,230	19,007	763	2,372	3,135	16.0%	16.7%	16.5%
WD-2640 Bioregional Ha	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2539 - University Md	187,025	106,325	1,199	79,502	185,227	23,847	6,500	30,346	22.4%	8.2%	16.3%
WD-2629 Seismic Upgrad	135,950	74,170	1,729	60,051	134,221	8,356	13,525	21,881	11.3%	22.5%	16.3%
WD-2573 - Pulgas Balanc	50,372	35,367	310	14,695	50,061	7,152	673	7,825	20.2%	4.6%	15.6%
WD-2582 - Sunol Valley V	462,409	293,845	13,013	155,551	449,396	49,266	19,350	68,616	16.8%	12.4%	15.3%
HH-914R - Roselle Cross	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
WD-2596 - Harry Tracy	1,012,066	672,915	40,857	298,294	971,209	108,214	35,995	144,209	16.1%	12.1%	14.8%
WD-2551 Calaveras Dam	844,877	498,658	24,186	322,033	820,691	56,936	60,481	117,417	11.4%	18.8%	14.3%
WD-2600 Regional Grou	6,088		4,027	2,061	2,061		296	296	0.0%	14.3%	14.3%
WD-2627R Sutro Reserv	154,357	77,206	8,900	68,252	145,457	15,391	5,248	20,639	19.9%	7.7%	14.2%
WD-2556 - Baden and Sa	19,937	11,044	344	8,550	19,593	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2504 - Stanford Heig	74,299	40,451		33,849	74,299	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2531 - Bay Division R	574,377	161,810	335,571	76,996	238,806	13,883	17,719	31,602	8.6%	23.0%	13.2%
WD-2668 Regional Grou	65,250	40,188	214	24,848	65,036	6,509	2,069	8,578	16.2%	8.3%	13.2%
WD-2513 - San Andreas R	82,356	28,627	10,820	42,909	71,535	3,994	5,317	9,311	14.0%	12.4%	13.0%
WD-2622 San Francisco	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2566 - San Antonio P	14,916	8,241	137	6,539	14,779	859	939	1,798	10.4%	14.4%	12.2%
HH-935C - San Joaquin P	144,007	89,193	1,840	52,974	142,167	8,862	8,401	17,263	9.9%	15.9%	12.1%
WD-2601 - Crystal Spring	488,398	300,641	57,403	130,355	430,995	37,721	10,835	48,556	12.5%	8.3%	11.3%
WD-2555 - Crystal Spring	127,743	49,079	9,727	68,938	118,016	7,559	5,394	12,953	15.4%	7.8%	11.0%
WD-2469 - Forest Knolls	26,552	17,167	49	9,337	26,503	2,888	19	2,907	16.8%	0.2%	11.0%
WD-2548 - Lake Merced	101,056	72,288	2,264	26,504	98,792	10,678	137	10,815	14.8%	0.5%	10.9%
HH-935A - San Joaquin P	84,472	53,738	839	29,895	83,633	5,351	3,652	9,003	10.0%	12.2%	10.8%
WD-2621R San Francisco	15,741	8,421		7,319	15,741	758	943	1,701	9.0%	12.9%	10.8%
HH-935B - San Joaquin P	100,478	52,964	11,917	35,598	88,561	4,059	5,243	9,302	7.7%	14.7%	10.5%
WD-2541 - Bay Division R	208,220	89,081	12,797	106,342	195,423	10,018	10,170	20,188	11.2%	9.6%	10.3%
WD-2501 - Alemany Pump	74,094	54,304	48	19,741	74,046	7,406	223	7,629	13.6%	1.1%	10.3%
WD-2542 - Bay Division R	287,972	90,615	31,454	165,904	256,518	7,049	19,153	26,202	7.8%	11.5%	10.2%
WD-2568 - BDPL Nos. 3B	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crysta	98,686	40,896	1,323	56,467	97,363	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2665 Bay Division Pl	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2581 - New Irvingto	730,152	546,462	99,797	83,893	630,355	31,860	19,889	51,748	5.8%	23.7%	8.2%
WD-2666 Bioregional Ha	23,474	16,690	336	6,448	23,138	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2589 - Supervisory C	1,498	728		771	1,498	115		115	15.8%	0.0%	7.7%
WD-2623 - Harding Park	22,726	7,868	456	14,402	22,270	696	949	1,645	8.8%	6.6%	7.4%
WD-2543 - North Univer	53,226	14,375	7,051	31,800	46,175	743	2,255	2,998	5.2%	7.1%	6.5%
WD-2511 - Standby Powe	11,261	9,032		2,230	11,261	626		626	6.9%	0.0%	5.6%
WD-2529 - Noe Valley Tr	22,511	6,021	2,067	14,423	20,444		1,133	1,133	0.0%	7.9%	5.5%
WD-2564 - Harry Tracy	43,047	22,610	80	20,358	42,967	2,089		2,089	9.2%	0.0%	4.9%
WD-2654R Peninsula Veg	256	64		192	256				0.0%	0.0%	0.0%
WD-2729 Fish Passage F									0.0%	0.0%	0.0%
WSIP - Covered by PLA	7,404,752	4,212,306	761,789	2,430,657	6,642,964	589,218	339,425	928,643	14.0%	14.0%	14.0%

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The following chart indicates Quarterly Apprentice Utilization over the past five (5) quarters ending March 31, 2016. The Laborers continue to work a considerable amount of hours and are highlighted below. Percentages compared to last quarter are as follows; the Laborers Apprentice Utilization declined by 2.5%, the Apprenticeable trades decreased by 2.9% , and the Laborer and Apprenticeable crafts combined (All Crafts) show a decline of about 2.6%. However, the overall cumulative percentage has remained the same.



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Jobs Training and Opportunities Program (JTOP)

As of March 31, 2016, the SFPUC and City staff has referred 532 Apprentices and 280 Journeypersons to WSIP PLA-covered Projects from our community-based partners in Job Training Programs and through the Labor Unions. These 812 individuals represent 10.4% of the total hours worked and 7.8% of the wages earned.*

WSIP-PLA Referred Workers By Job Training and Opportunities Program						
Inception Through March 31, 2016						
Referred Apprentice Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Apprentices	% Of Total Apprentice Hours	% Of Total Apprentice Wages
CityBuild	63	32,320	\$ 832,202	3.9%	3.5%	3.5%
CityBuild Academy	49	37,299	\$ 925,376	3.0%	4.1%	3.9%
Cypress Mandela Training Center, Inc.	35	56,081	\$ 1,327,782	2.1%	6.0%	5.6%
Helmets to Hardhats	1	3,339	\$ 80,910	0.1%	0.4%	0.3%
Job Corps	1	4,328	\$ 129,666	0.1%	0.5%	0.5%
JobTrain's Project Build	57	78,573	\$ 1,866,950	3.5%	8.4%	7.7%
Northern California Construction and Training, Inc.	7	7,233	\$ 158,276	0.5%	0.7%	0.7%
UNION	239	187,932	\$ 4,777,545	14.5%	20.2%	19.8%
San Joaquin County Office of Ed. YouthBuild	11	16,900	\$ 364,200	0.6%	1.8%	1.5%
SFPUC	63	55,468	\$ 1,444,785	3.8%	6.0%	6.0%
Sponser	6	28,049	\$ 723,720	0.4%	3.0%	3.0%
Total Referred Apprentice Workers	532	507,519	\$ 12,631,412	32.3%	54.7%	52.4%
Non-Referred Apprentices	1114	421,124	\$ 11,490,043	67.7%	45.3%	47.6%
Total Apprentices	1,646	928,643	\$ 24,121,455	100.0%	100.0%	100.0%
Referred Journeyperson Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Journey Level Workers	% Of Total Journey Hours	% Of Total Journey Wages
CityBuild	71	49,910	\$ 2,157,513	0.8%	0.8%	0.9%
CityBuild Academy	9	8,116	\$ 274,313	0.1%	0.1%	0.1%
Cypress Mandela Training Center, Inc.	8	9,468	\$ 301,774	0.1%	0.2%	0.2%
HH	1	13	\$ 498	0.0%	0.0%	0.0%
Job Corps	1	37	\$ 1,489	0.0%	0.0%	0.0%
JobTrain's Project Build	13	17,079	\$ 531,106	0.2%	0.3%	0.2%
NCCT	1	1,640	\$ 42,809	0.0%	0.0%	0.0%
Union	140	130,307	\$ 4,832,462	1.4%	2.0%	1.9%
San Joaquin County Office of Ed. YouthBuild	1	222	\$ 5,099	0.0%	0.0%	0.0%
SFPUC	33	46,722	\$ 1,624,677	0.3%	0.7%	0.6%
Sponser	2	2,564	\$ 92,150	0.0%	0.0%	0.0%
Total Referred Journeyperson Workers	280	266,075	\$ 9,863,890	2.8%	4.1%	3.7%
Non-Referred Journeypersons	9,718	6,210,034	\$ 253,499,255	97.2%	95.9%	96.3%
Total Journeypersons	9,998	6,476,109	\$ 263,363,145	100%	100%	100%
Total Workforce						
Total Referred Workers (J+A)	812	773,594	\$ 22,495,302	7.0%	10.4%	7.8%
All Non-Referred Workers						
All Non-Referred Workers	10,832	6,631,158	\$ 264,989,298	93.0%	89.6%	92.2%
Total Workforce	11,644	7,404,752	\$ 287,484,600	100%	100%	100%

Note: Because of the statistics method's distinction, the result of the worker count in this report is different from other reports.

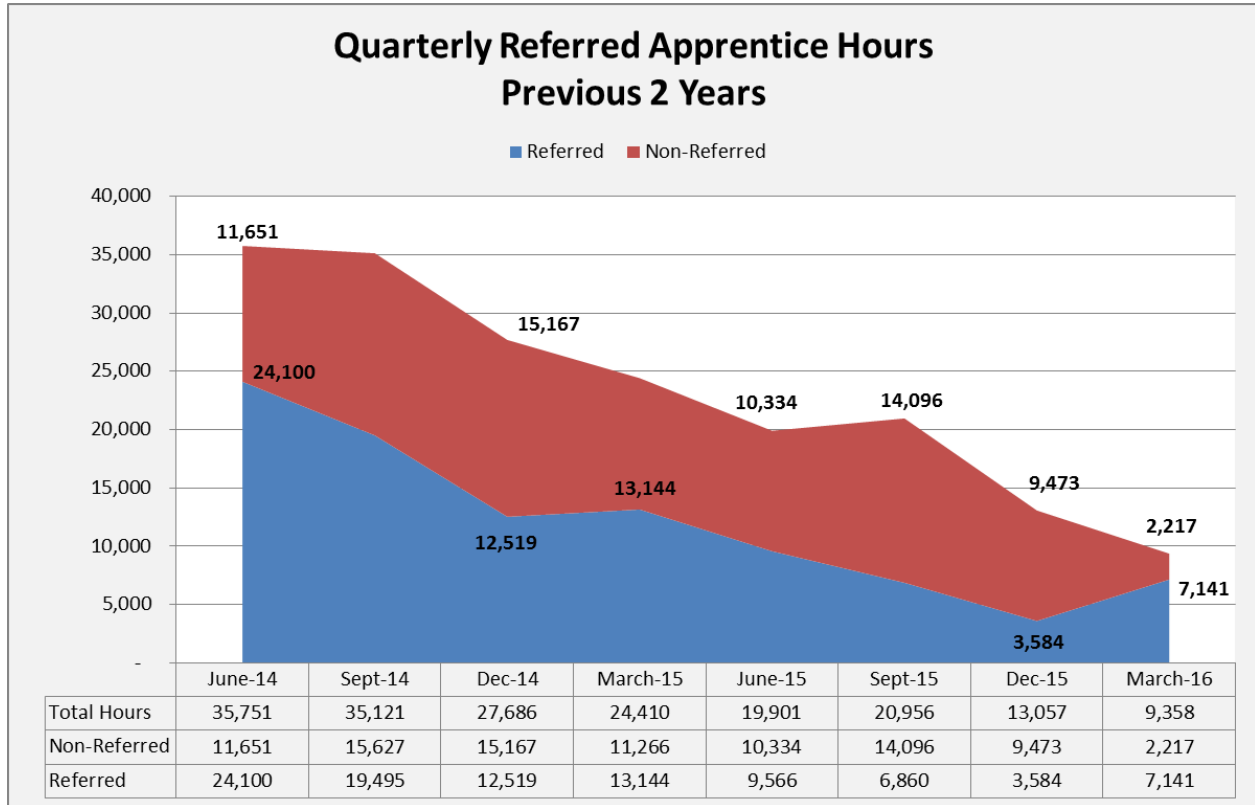
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The table below illustrates *JTOP Referred Worker Utilization by Project* with the greatest total project participation total listed first.

Referred Worker Utilization by WSIP-PLA Covered Project Inception through March 31,2016									
Project	Total Craft Hours			Referred Hours			Referred Utilization %		
	Total Hours	Total Apprentice Hours	Total Journey Hours	Referred Apprentice Hours	Referred Journey Hours	Total Referred Hours	Referred Apprentice %	Referred Journey %	Total Referred %
HH-953 - Tesla Portal Protection	11,512	3,255	8,257	3,247	865	4,112	99.8%	10.5%	35.7%
WD-2651R Peninsula 2011 Watershe	22,245	3,135	19,111	2,372	3,343	5,715	75.7%	17.5%	25.7%
WD-2623 - Harding Park Recycled W	22,726	1,645	21,081	1,280	3,659	4,938	77.8%	17.4%	21.7%
WD-2652 Bioregional Habitat Restor	105,132	19,529	85,603	14,102	2,914	17,015	72.2%	3.4%	16.2%
HH-935C - San Joaquin Pipeline Syste	144,007	17,263	126,744	14,185	8,693	22,877	82.2%	6.9%	15.9%
WD-2555 - Crystal Springs Pipeline N	127,743	12,953	114,791	12,193	7,984	20,177	94.1%	7.0%	15.8%
WD-2654R Peninsula Vegetation Rem	256		256		40	40	0.0%	15.6%	15.6%
WD-2552 - Alameda Siphon No. 4 Proj	129,478	20,728	108,750	16,749	3,356	20,105	80.8%	3.1%	15.5%
WD-2629 Seismic Upgrade of Bay Div	135,950	21,881	114,069	16,902	4,052	20,954	77.2%	3.6%	15.4%
WD-2539 - University Mound Reserv	187,025	30,346	156,679	14,817	12,647	27,463	48.8%	8.1%	14.7%
WD-2548 - Lake Merced Pump Statio	101,056	10,815	90,241	4,034	10,787	14,821	37.3%	12.0%	14.7%
WD-2627R Sutro Reservoir Rehabilita	154,357	20,639	133,718	16,028	6,080	22,107	77.7%	4.5%	14.3%
WD-2641R Habitat Reserve Program	44,018	9,222	34,796	4,844	1,352	6,196	52.5%	3.9%	14.1%
WD-2640 Bioregional Habitat Restor	10,621	1,615	9,006	1,391	75	1,466	86.1%	0.8%	13.8%
WD-2665 Bay Division Pipeline Reliab	21,967	1,909	20,059	1,848	1,135	2,983	96.8%	5.7%	13.6%
WD-2601 - Crystal Springs / San And	488,398	48,556	439,842	38,300	27,188	65,488	78.9%	6.2%	13.4%
WD-2551 Calaveras Dam Replacemer	844,877	117,417	727,460	77,340	27,161	104,500	65.9%	3.7%	12.4%
WD-2668 Regional Groundwater Stor	65,250	8,578	56,672	1,835	6,049	7,883	21.4%	10.7%	12.1%
WD-2666 Bioregional Habitat Restor	23,474	1,843	21,631	778	2,039	2,817	42.2%	9.4%	12.0%
WD-2727 Peninsula Pipeline Seismic U	69,455	11,737	57,718	4,683	3,493	8,176	39.9%	6.1%	11.8%
WD-2596 - Harry Tracy Water Treat	1,012,066	144,209	867,857	79,394	36,209	115,603	55.1%	4.2%	11.4%
WD-2591 - Lower Crystal Springs Da	98,686	8,685	90,000	6,917	4,086	11,003	79.6%	4.5%	11.1%
WD-2513 - San Andreas Pipeline No.3	82,356	9,311	73,045	8,522	513	9,035	91.5%	0.7%	11.0%
CS-936 - Advanced Meter Infrastruc	227,022	79,373	147,649	4,405	20,110	24,515	5.5%	13.6%	10.8%
WD-2556 - Baden and San Pedro Valv	19,937	2,738	17,199	2,057	98	2,155	75.1%	0.6%	10.8%
WD-2575 San Antonio Backup Pipelin	75,255	12,460	62,795	4,228	3,127	7,355	33.9%	5.0%	9.8%
WD-2622 San Francisco Groundwater	17,782	2,092	15,690	261	1,429	1,690	12.5%	9.1%	9.5%
WD-2531 - Bay Division Pipelines Reli	574,377	31,602	542,775	27,311	26,382	53,693	86.4%	4.9%	9.3%
WD-2542 - Bay Division Pipeline No.	287,972	26,202	261,770	20,197	4,770	24,967	77.1%	1.8%	8.7%
WD-2582 - Sunol Valley Water Treat	462,409	68,616	393,794	27,121	8,277	35,398	39.5%	2.1%	7.7%
HH-935B - San Joaquin Pipeline Syste	100,478	9,302	91,176	5,795	1,923	7,717	62.3%	2.1%	7.7%
WD-2504 - Stanford Heights Reserv	74,299	9,891	64,408	1,336	4,241	5,577	13.5%	6.6%	7.5%
WD-2469 - Forest Knolls Pump Statio	26,552	2,907	23,645	1,961	32	1,993	67.5%	0.1%	7.5%
WD-2541 - Bay Division Pipeline No.	208,220	20,188	188,033	10,927	3,718	14,645	54.1%	2.0%	7.0%
WD-2581 - New Irvington Tunnel	730,152	51,748	678,404	35,503	12,420	47,923	68.6%	1.8%	6.6%
DB-116 - Tesla Treatment Facility	141,840	26,960	114,881	7,419	1,884	9,303	27.5%	1.6%	6.6%
WD-2529 - Noe Valley Transmission N	22,511	1,133	21,378	1,133	263	1,396	100.0%	1.2%	6.2%
WD-2566 - San Antonio Pump Station	14,916	1,798	13,118	931		931	51.8%	0.0%	6.2%
WD-2501 - Alemany Pump Station	74,094	7,629	66,465	3,275	1,175	4,450	42.9%	1.8%	6.0%
WD-2573 - Pulgas Balancing Reservo	50,372	7,825	42,547	1,458	1,282	2,740	18.6%	3.0%	5.4%
WD-2543 - North University Mound S	53,226	2,998	50,228	2,550	106	2,656	85.1%	0.2%	5.0%
WD-2600 Regional Groundwater Stor	6,088	296	5,792	296		296	100.0%	0.0%	4.9%
HH-935A - San Joaquin Pipeline Syste	84,472	9,003	75,469	3,595	422	4,017	39.9%	0.6%	4.8%
WD-2568 - BDPL Nos. 3&4 Crossover	47,910	4,538	43,373	2,020	185	2,205	44.5%	0.4%	4.6%
WD-2564 - Harry Tracy Water Treat	43,047	2,089	40,959	1,329	183	1,512	63.6%	0.4%	3.5%
HH-914R - Roselle Crossover Improve	12,859	1,943	10,917	256	32	288	13.2%	0.3%	2.2%
WD-2621R San Francisco Groundwat	15,741	1,701	14,040	90	8	98	5.3%	0.1%	0.6%
WD-2498 - New Crystal Springs Bypa	117,809	17,607	100,202	314	291	605	1.8%	0.3%	0.5%
WD-2511 - Standby Power Facilities,	11,261	626	10,635		4	4	0.0%	0.0%	0.0%
WD-2589 - Supervisory Control and I	1,498	115	1,383				0.0%	0.0%	0.0%
WD-2729 Fish Passage Facilities Wit	-	-	-	-	-	-	0.0%	0.0%	0.0%
Total WSIP PLA	7,404,752	928,643	6,476,109	507,519	266,075	773,594	54.7%	4.1%	10.4%

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The following chart summarizes *Referred and Non-referred Apprentices Quarterly Hours Earned* on all WSIP PLA-covered projects over the past eight quarters. As the WSIP PLA program continues to near completion there are fewer opportunities to refer workers to the projects and less hours worked overall. With 7,141 referred hours during the quarter, referred apprentices represented three-fourths of the Apprentice Hours this quarter.



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Substance Abuse Prevention

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

13,489 pre-employment tests have been administered as of March 31, 2016 to people who were cleared to work. 172 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 **1.3%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Enterprise. The chart is on the next page.

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WSIP - Covered by PLA (50 Projects + AMI) Substance Abuse Testing Summary	
Tests Administered to Individuals Cleared to Work through 03/31/2016	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2551- Calaveras Dam Replacement Project	1,224
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
WD-2552 - Alameda Siphon No. 4 Project	229
CS-936 - Advanced Meter Infrastructure	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-2668 - Regional Groundwater Storage and Recovery	133
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-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-2621R San Francisco Groundwater Supply Well Stations	68
WD-2623 - Harding Park Recycled Water Project	65
WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Skyline	63
WD 2727 - Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2665 - Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Microtunnel	43
WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek	30
WD-2511 - Standby Power Facilities, Various Locations	30
WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II	28
WD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grassland	23
WD-2622 - San Francisco Groundwater Supply Pipeline	22
WD-2600 - Regional Groundwater Storage and Recovery Project- Test Well Drilling	22
WD-2640 - Bioregional Habitat Restoration	-
WD-2654R - Peninsula Vegetation Removal	-
Total Cleared	13,489

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Legislative History of the WSIP PLA

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

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

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

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

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

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

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Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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



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WATER SYSTEM **IMPROVEMENT** PROGRAM

Water System Improvement Program Project Labor Agreement

**Quarterly Report
Quarter Ended June 30, 2016
(Fourth Quarter FY 2015-2016)**

San Francisco Public Utilities Commission
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Executive Summary

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty-one (51) WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.043 billion in original contract award through June 30, 2016.

Construction Activity Highlights – Program-to-Date

Contracting:

- Fifty-one (51) construction contracts with a value of \$2.043 billion in original contract award have been awarded subject to the WSIP PLA.

Employment:

- Since inception, 12,665 construction workers were employed for 7,504,329 hours and earned wages of \$291,238,897 on WSIP PLA-covered projects.
- 1,064 San Francisco residents worked 522,752 hours and earned \$19,433,125 on WSIP PLA-Covered Projects representing 7% of covered hours and 251 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. 5,415 residents of the Service Territory earned wages of \$116,477,949 and worked 3,068,005 hours, representing 40.9% of covered hours and 1,475 full-time equivalent worker years.
- 13,579 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of June 30, 2016. 176 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

Region of Worker Residence	Inception Through June 30, 2016			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	12,665	7,504,329	\$ 291,238,897	3,608
San Francisco	1,064	522,752	\$ 19,433,125	251
SFPUC Service Territory	5,415	3,068,005	\$ 116,477,949	1,475
Outside	6,483	3,913,572	\$ 155,327,823	1,882

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Construction Activity Highlights – Quarter Ending June 30, 2016

Contracting:

- There were no contracts awarded this quarter.

Employment:

- 434 construction workers were employed for 88,402 hours and earned wages of \$3,335,556 on WSIP PLA-covered projects.
- 42 San Francisco residents worked 4,802 hours and earned wages of \$170,285 on WSIP PLA-Covered projects.
- The SFPUC Regional Service Territory consists of zip codes outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 206 residents of the Service Territory worked 51,492 hours and earned wages of \$1,890,867 on WSIP PLA-Covered projects.
- 146 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and only four individuals were prevented from working as the result of a positive test.

Summary of Craft Worker Employment

Region of Worker Residence	Three Months Ending June 30, 2016			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	434	88,402	\$ 3,335,556	43
San Francisco	42	4,802	\$ 170,285	2
SFPUC Service Territory	206	51,492	\$ 1,890,867	25
Outside	192	32,108	\$ 1,274,404	15

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

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Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through June 30, 2016					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
01/12/16	WD-2729	Shimmick Construction	Fish Passage Facilities Within the Alameda Creek Watershed	\$30 Million	\$ 28,939,300
10/27/15	WD-2654R	NTK Construction	Peninsula Vegetation Removal	\$10.8 Million	\$ 11,062,544
01/13/15	WD-2668	Ranger Pipelines Inc	Regional Groundwater Storage and Recovery	\$50 Million	\$ 42,980,047
01/13/15	WD-2621R*	Western Water	San Francisco Groundwater Supply Well Stations	\$16 Million	\$ 14,955,100
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	\$ 3,188,500
06/12/12	WD-2629	Steve P. Rados	Bay Division Pipeline 3&4 at the Hayward Fault	\$49 to \$54 Million	\$ 31,320,000
04/23/12	WD-2651R	Shimmick Construction	Peninsula 2011 Watershed Compensation, Sherwood Point...	\$5.9 to \$6.7 Million	\$ 5,591,750
12/13/11	HH-953	Azul Works, Inc.	Tesla Portal Protection	\$2.4 Million	\$ 2,760,000
12/13/11	WD-2600*	Road Runner Drilling	Regional Groundwater Storage and Recovery-Test Well Drilling	\$3.6 to \$4.2 Million	\$ 2,998,685
12/13/11	WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	\$5.8 Million	\$ 5,251,100
11/08/11	WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	\$13 Million	\$ 12,947,400
09/13/11	WD-2641R	Yerba Buena Engineering	Habitat Reserve Program, Homestead Pond, San Andreas...	\$6.4 Million	\$ 6,499,000
06/28/11	WD-2640	Yerba Buena Engineering	Bioregional Habitat Restoration - Goldfish Pond	\$2.4 Million	\$ 3,188,000
06/14/11	HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	\$52 to \$57 Million	\$ 45,329,416
05/24/11	WD-2551	Dragados/Flatiron/Sukut JV	Calaveras Dam Replacement Project,	\$250 to \$300 Million	\$ 259,571,850
01/27/11	WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term	\$220 to \$245 Million	\$ 174,197,000
01/11/11	WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2	\$43 to \$48 Million	\$ 32,547,350
12/14/10	HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	\$70 Million	\$ 48,706,379
12/14/10	WD-2591	Kiewit Infrastructure West	Lower Crystal Springs Dam Improvements	\$18 to \$22 Million	\$ 17,360,400
09/14/10	WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	\$100 to \$130 Million	\$ 99,763,000
09/14/10	WD-2623*	R & W Concrete	Harding Park Recycled Water Proiect	\$6.5 Million	\$ 5,251,100
06/08/10	WD-2581	Southland/Tutor Perini JV	New Irvington Tunnel	\$230 to \$260 Million	\$ 226,657,700
04/27/10	WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant	\$109 Million	\$ 83,102,160
04/13/10	HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	\$21.6 Million	\$ 11,723,817
12/18/09	WD-2531	Michels/JayDee/Coluccio, JV	Bay Tunnel	\$235 to \$260 Million	\$ 215,294,530
12/08/09	WD-2542	Mountain Cascade,	Bay Division Pipeline No. 5 - Peninsula Reaches	\$62 to \$69 Million	\$ 52,183,400
10/27/09	WD-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-East Bay	\$88 to \$98 Million	\$ 61,558,005
10/27/09	WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition Phase II	\$10.6 Million	\$ 3,847,250
09/22/09	WD-2573	S.J.Amoroso	Pulgas Reservoir Structural Rehabilitation	\$14 to \$18 Million	\$ 12,857,000
09/08/09	WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	\$8.5 to \$9.5 Million	\$ 6,991,000
07/14/09	HH-914R	Mountain Cascade	Roselle Crossover Improvements	\$3.1 Million	\$ 2,837,000
06/23/09	WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	\$20 to \$25 Million	\$ 16,336,350
06/23/09	WD-2539*	S.J. Amoroso	University Mound Reservoir North Basin	\$47 to \$52 Million	\$ 29,597,000
05/26/09	WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	\$45.5 Million	\$ 31,933,695
04/28/09	WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	\$21.5 Million	\$ 12,695,000
04/17/09	WD-2548*	Western Water	Lake Merced Pump Station Essential Upgrades	\$52 to \$60 Million	\$ 31,584,000
03/10/09	CS-936*	VSI Meter Services	Advanced Meter Infrastructure	\$62.8 Million	\$ 62,822,980
02/24/09	WD-2556	JMB Construction	Baden and San Pedro Valve Lot Improvements	\$15 to \$18 Million	\$ 11,536,500
12/09/08	WD-2529*	KJ Woods	Noe Valley Transmission Main- Phase 2	\$6 to \$8 Million	\$ 5,724,000
10/14/08	WD-2498	Shank/Balfour-Beatty	New Crystal Springs Bypass Tunnel	\$55 to \$65 Million	\$ 55,674,000
09/23/08	DB-116	PCL Constructors	Tesla Treatment Facility	\$90 Million	\$ 81,420,562
09/09/08	WD-2543*	Shaw Pipeline Inc.	North University Mound System Upgrade	\$15 to \$18 Million	\$ 13,529,370
05/27/08	WD-2564	NTK Construction	Harry Tracy Water Treatment Plant-Short Term	\$15 to \$18 Million	\$ 13,824,000
12/11/07	WD-2469*	Cal State Constructors	Forest Knolls Pump Station and Storage Tank	\$5.5 to \$7 Million	\$ 6,547,000
12/07/07	WD-2501*	Monterey Mechanical	Aleman Pump Station	\$18 to \$22 Million	\$ 23,269,000
11/13/07	WD-2511	Power Engineering	Standby Power Facilities, Various Locations	\$5.7 Million	\$ 8,419,000
06/26/07	WD-2504*	S.J. Amoroso	Stanford Heights Reservoir Seismic Retrofit	\$18 to \$24 Million	\$ 17,899,960
Total 51 Projects					\$ 2,043,234,600

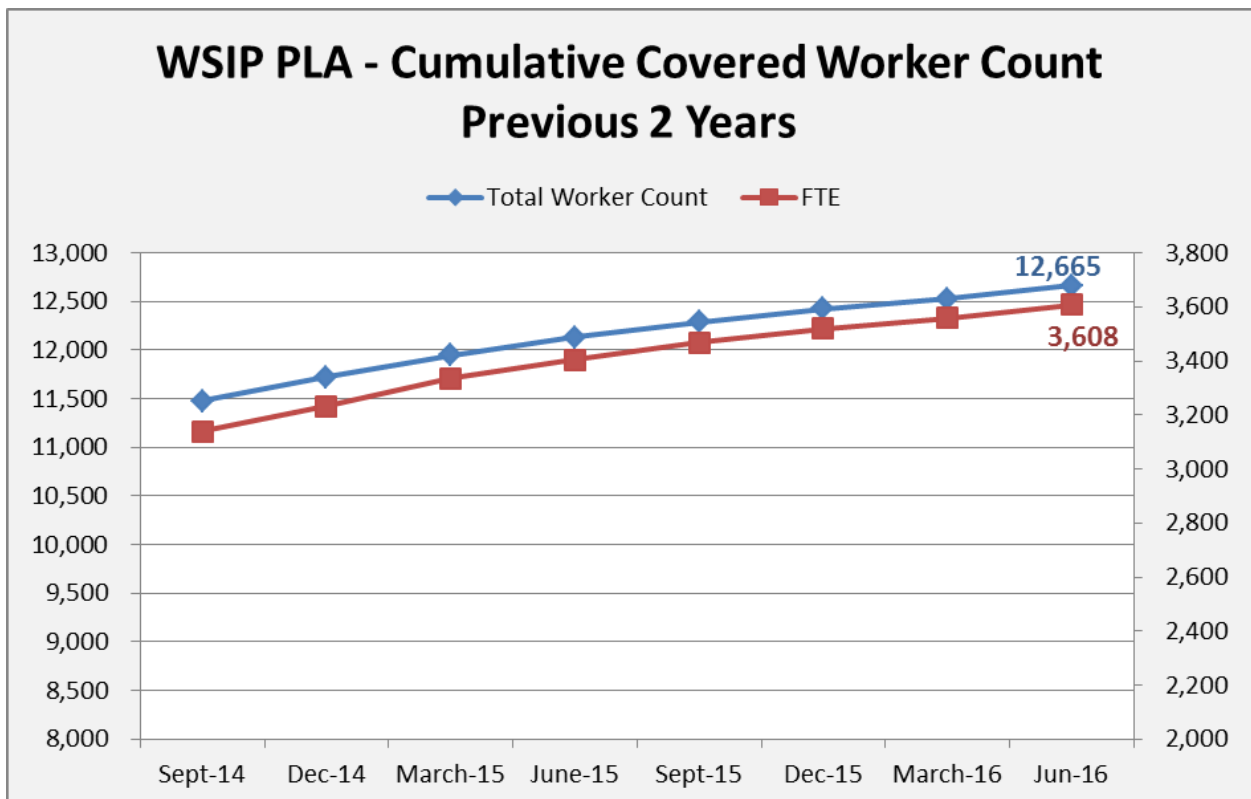
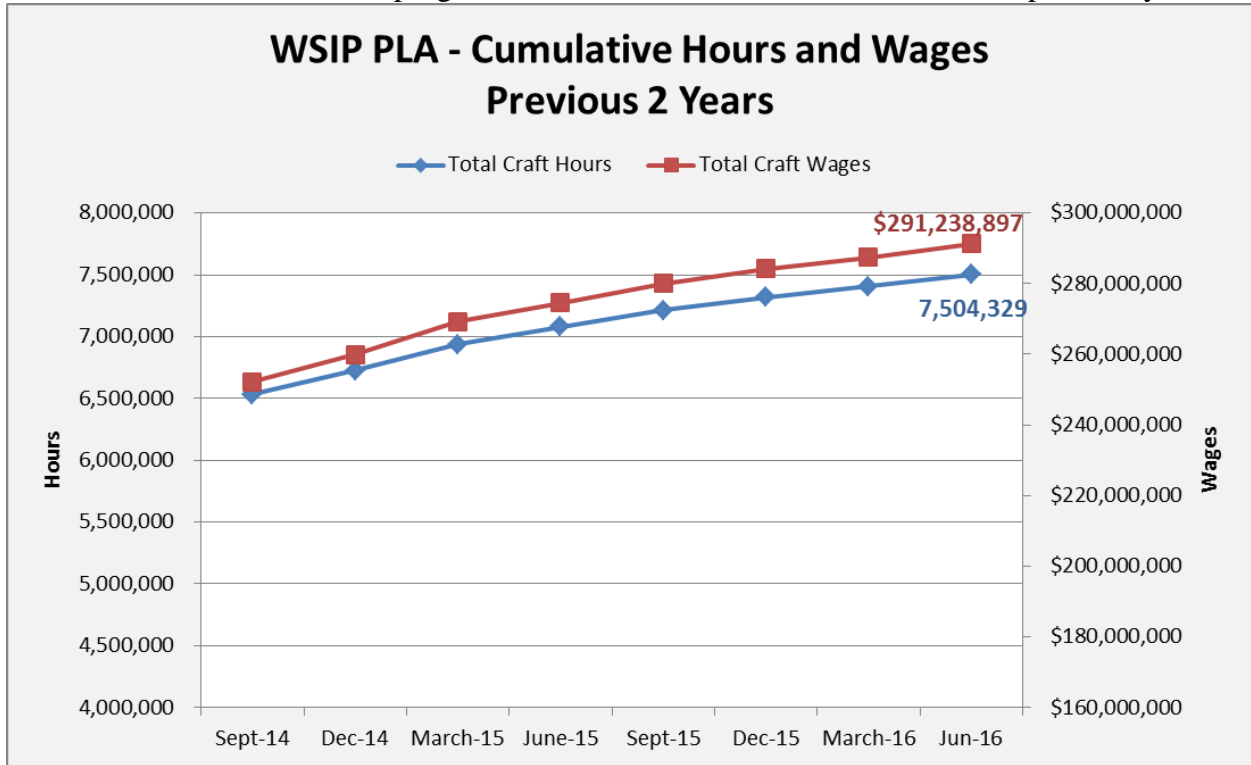
* indicates projects located in San Francisco

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Summary Charts

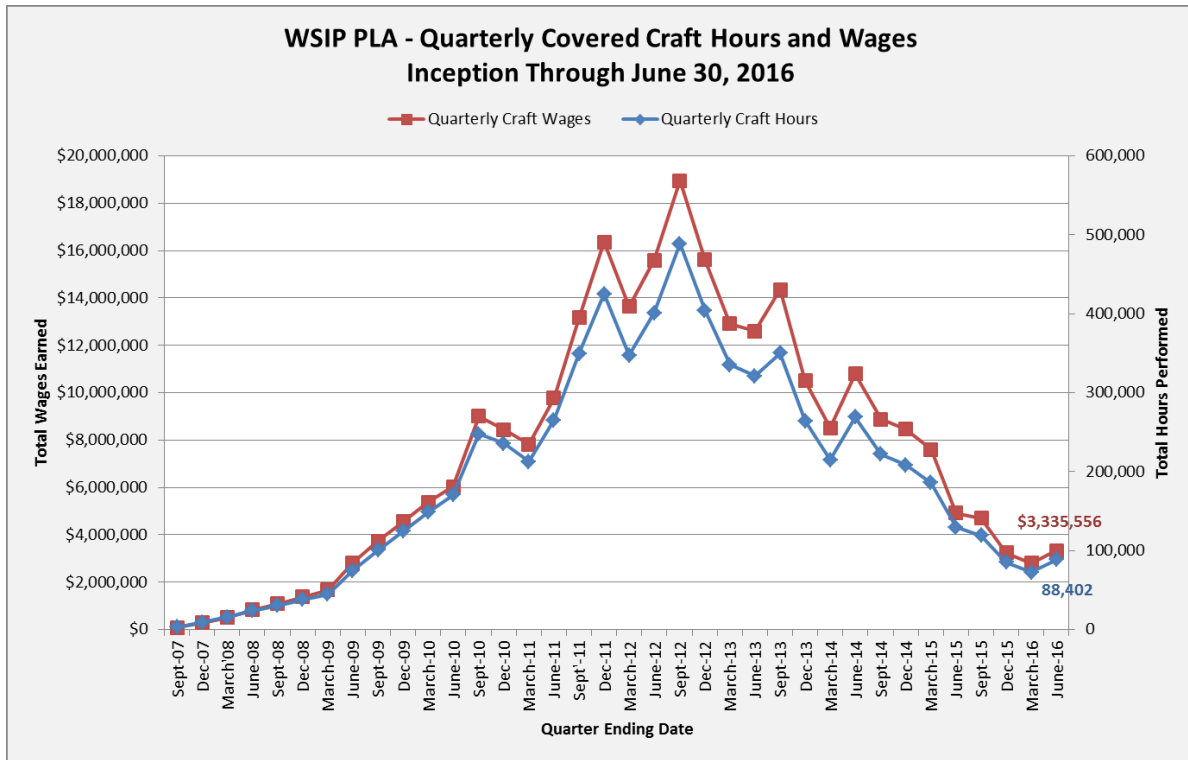
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending June 30, 2016; 12,665 workers on WSIP PLA-covered projects have achieved a cumulative total of 7,504,329 craft hours and \$291,238,897 in craft wages.

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

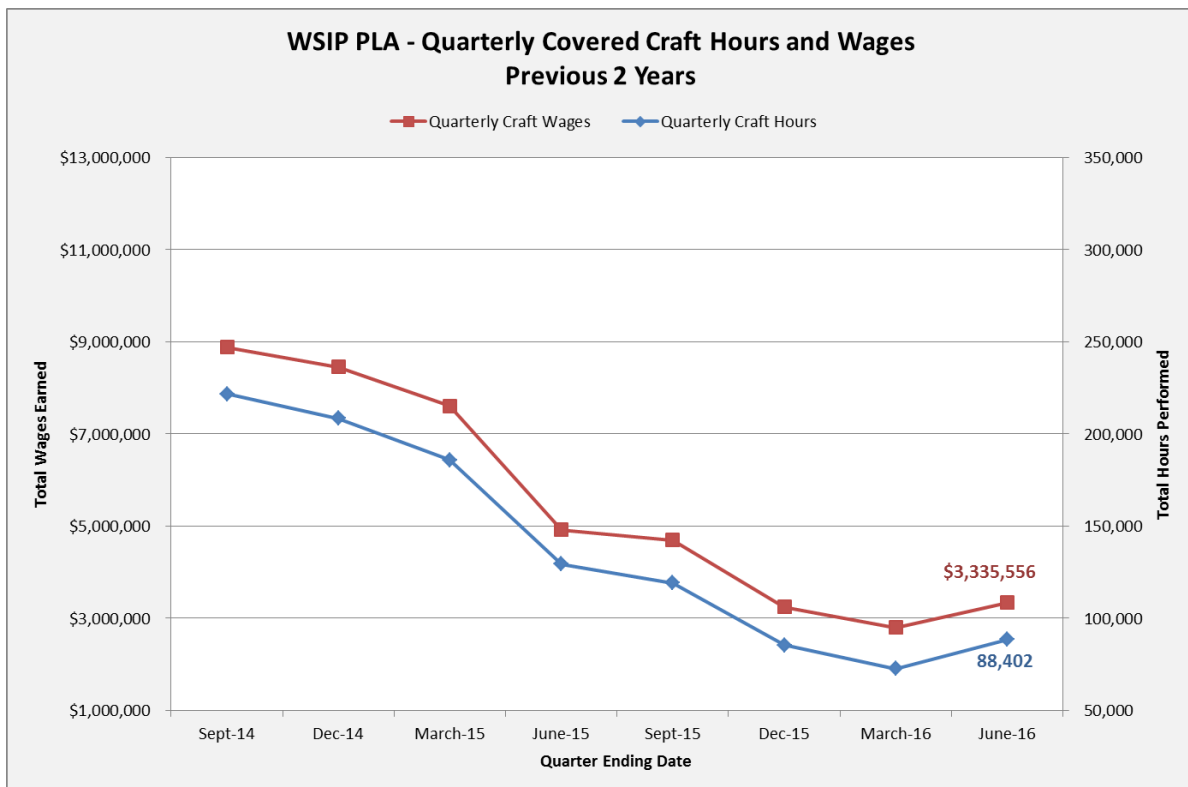


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 90% total completion, Craft Hours have and will likely continue to trend down until total completion.



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



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Craft Utilization on WSIP PLA-Covered Projects

As of June 30, 2016, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 32 craft areas.

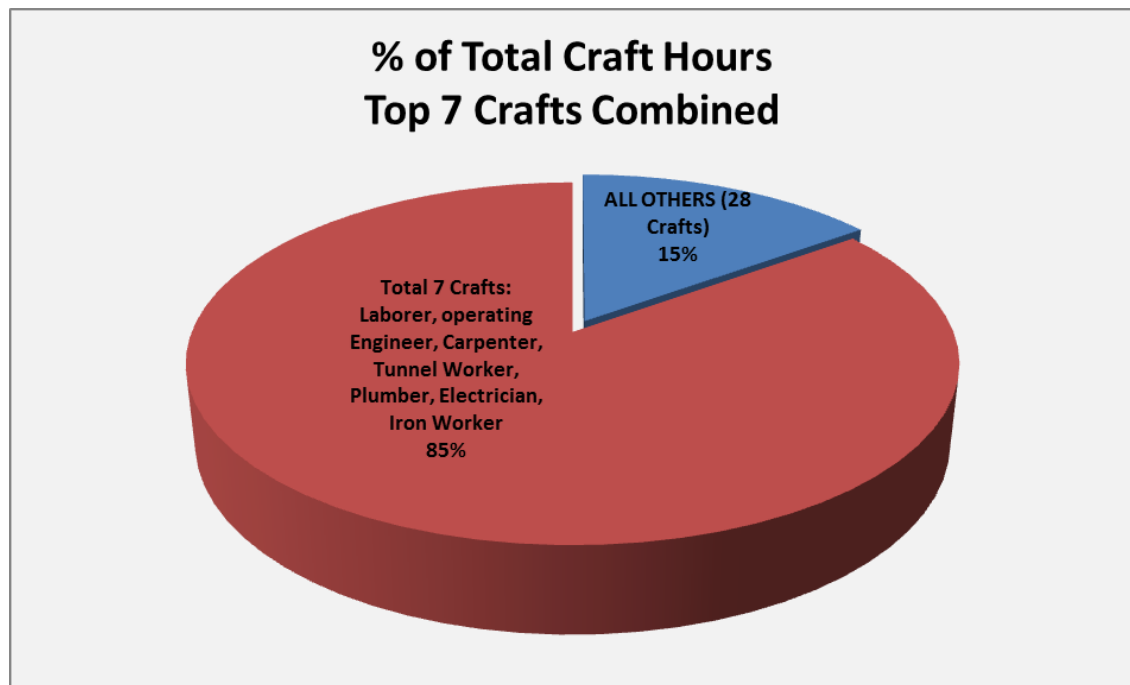
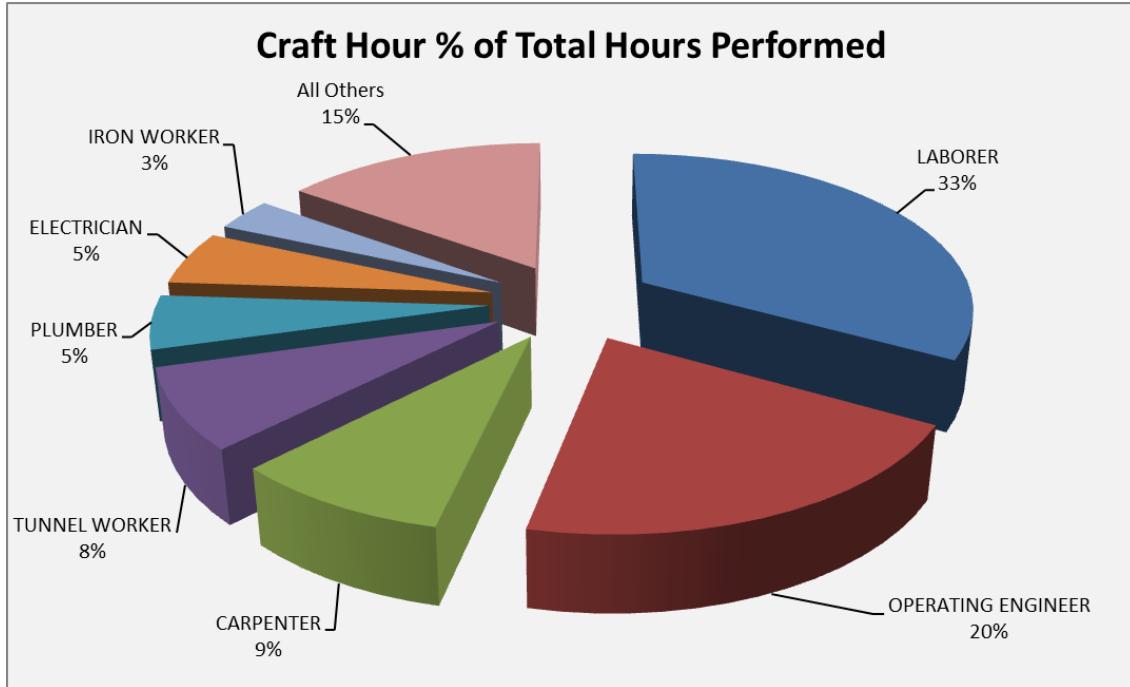
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

Sorted by Total Craft Hours

Cumulative Employment by Craft Inception Through June 30, 2016					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
LABORER (Combined)	2,475,792	\$ 74,594,772	33.0%	25.6%	1,190
OPERATING ENGINEER (Combined)	1,521,922	\$ 60,742,658	20.3%	20.9%	732
CARPENTER	670,986	\$ 27,810,936	8.9%	9.5%	323
TUNNEL WORKER (LABORER)	610,052	\$ 25,771,601	8.1%	8.8%	293
ELECTRICIAN	412,566	\$ 21,641,550	5.5%	7.4%	198
PLUMBER	410,123	\$ 19,075,031	5.5%	6.5%	197
IRON WORKER	251,073	\$ 8,460,222	3.3%	2.9%	121
Top 7 Sub-Total	6,352,513	\$ 238,096,771	84.7%	81.8%	3,054
PILE DRIVER (CARPENTER)	157,967	\$ 8,466,567	2.1%	2.9%	76
PAINTER	138,534	\$ 5,218,426	1.8%	1.8%	67
CEMENT MASON	117,855	\$ 4,091,657	1.6%	1.4%	57
BOILERMAKER-BLACKSMITH	117,774	\$ 6,191,104	1.6%	2.1%	57
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER	58,166	\$ 2,326,524	0.8%	0.8%	28
ROOFER	48,160	\$ 1,640,911	0.6%	0.6%	23
FIELD SURVEYOR	19,777	\$ 798,225	0.3%	0.3%	10
SHEET METAL WORKER	13,894	\$ 656,700	0.2%	0.2%	7
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	\$ 437,460	0.1%	0.2%	5
BRICKLAYER, BLOCKLAYER	8,574	\$ 326,663	0.1%	0.1%	4
ELECTRICAL UTILITY LINEMAN	6,797	\$ 417,708	0.1%	0.1%	3
GLAZIER	4,089	\$ 177,629	0.1%	0.1%	2
PLASTERER	2,699	\$ 89,254	0.0%	0.0%	1
PLASTER TENDER	961	\$ 31,202	0.0%	0.0%	0
BRICK TENDER	827	\$ 27,956	0.0%	0.0%	0
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	718	\$ 23,239	0.0%	0.0%	0
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166	0.0%	0.0%	0
TILE SETTER	351	\$ 12,929	0.0%	0.0%	0
CARPET, LINOLEUM, SOFT FLOOR LAYER	309	\$ 14,012	0.0%	0.0%	0
TILE FINISHER	277	\$ 5,836	0.0%	0.0%	0
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	0.0%	0.0%	0
TERRAZZO WORKER	199	\$ 8,163	0.0%	0.0%	0
SHEET METAL WORKER (HVAC)	172	\$ 8,402	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	709,238	\$ 31,016,298	9.5%	10.6%	341
Total Non-Apprenticeable	442,576	\$ 22,125,787	5.9%	7.6%	213
Total WSIP-Covered by PLA	7,504,329	\$ 291,238,897	100%	100%	3,608

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This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of June 30, 2016. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 70% of craft hours worked on PLA-covered projects.



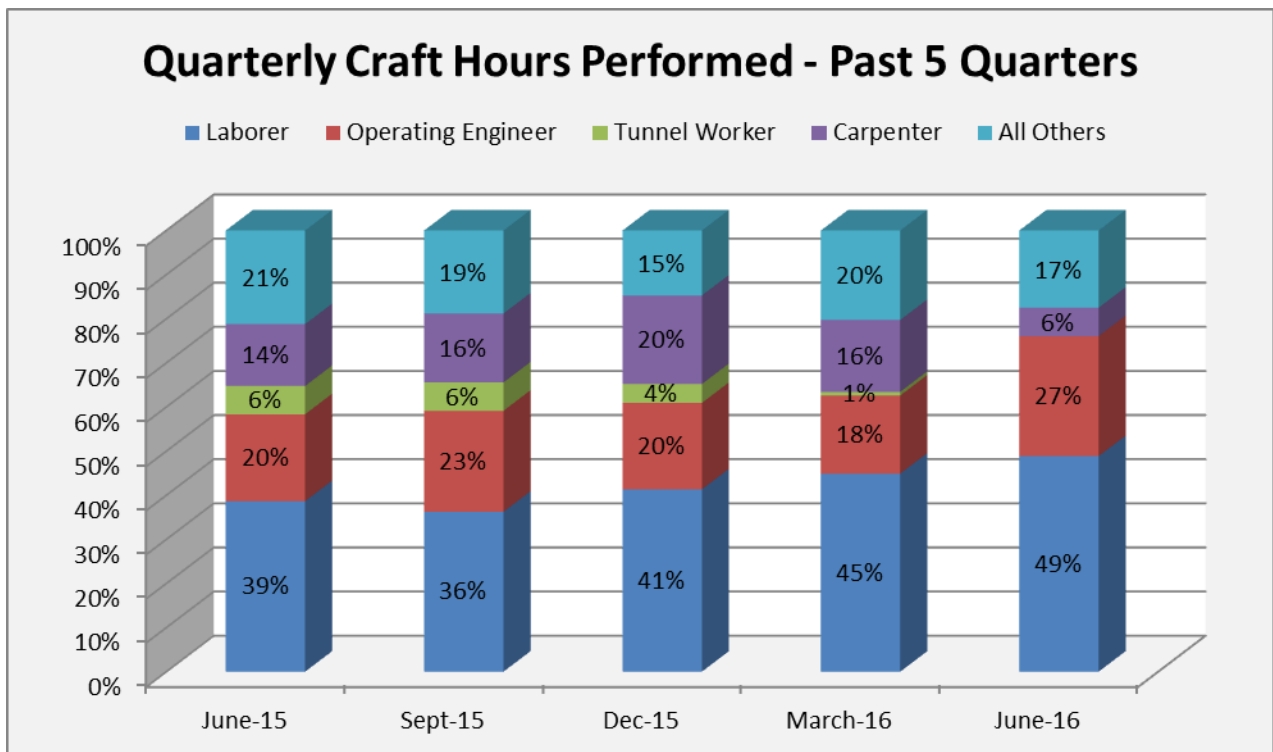
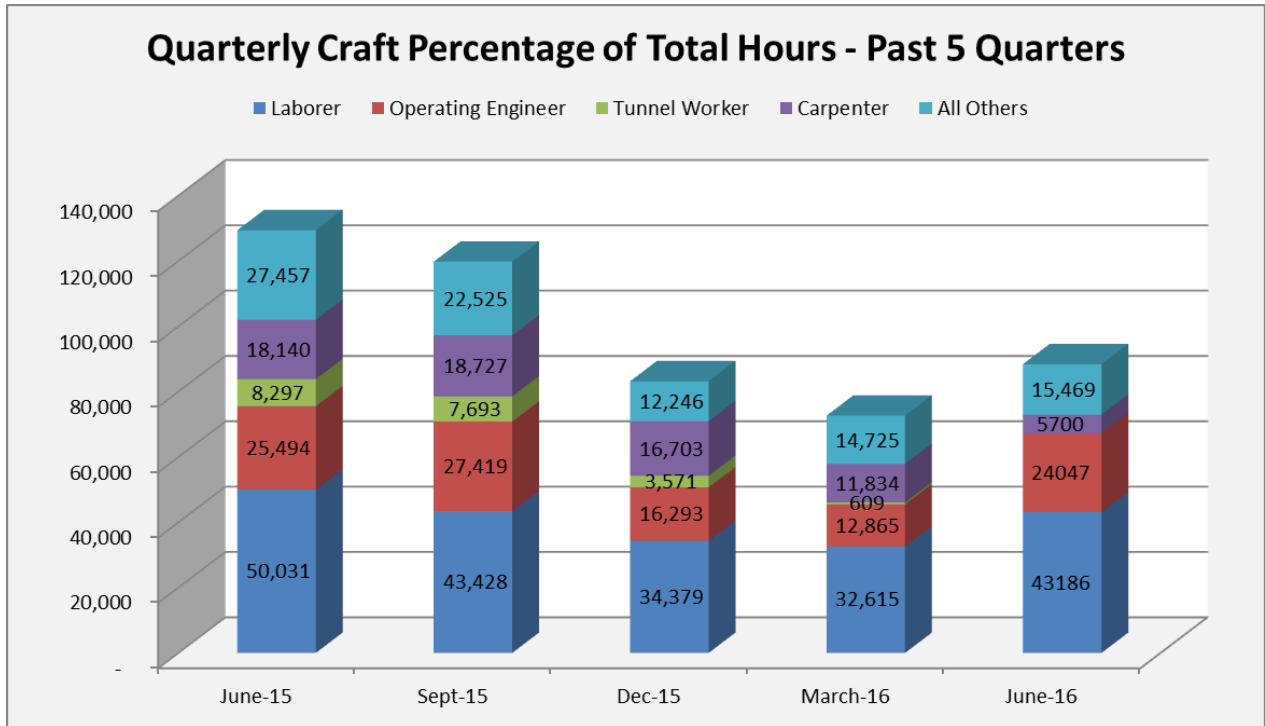
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 6-30-2016 Hours	Quarter Ending 6-30-2016 Wages
LABORER	2,475,792	\$ 74,594,772	43,186	\$ 1,393,245
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)	962,006	\$ 39,623,210	10,083	\$ 455,352
OPERATING ENGINEER	505,829	\$ 18,852,925	13,718	\$ 586,208
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,637	\$ 97,521	-	\$ -
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY WORK)	51,451	\$ 2,169,001	247	\$ 12,642
OPERATING ENGINEER (COMBINED)	1,521,922	\$ 60,742,658	24,047	\$ 1,054,202
CARPENTER AND RELATED TRADES	670,986	\$ 27,810,936	5,700	\$ 245,053
TUNNEL WORKER (LABORER)	610,052	\$ 25,771,601	-	\$ -
ELECTRICIAN	412,566	\$ 21,641,550	4,582	\$ 239,927
PLUMBER	410,123	\$ 19,075,031	761	\$ 33,971
IRON WORKER	251,073	\$ 8,460,222	726	\$ 27,354
PILE DRIVER (CARPENTER)	157,967	\$ 8,466,567	-	\$ -
PAINTER	138,534	\$ 5,218,426	1,010	\$ 39,814
CEMENT MASON	117,855	\$ 4,091,657	2,132	\$ 73,178
BOILERMAKER-BLACKSMITH	117,774	\$ 6,191,104	45	\$ 2,012
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER	58,166	\$ 2,326,524	1,953	\$ 68,913
ROOFER	48,160	\$ 1,640,911	900	\$ 29,210
FIELD SURVEYOR	19,777	\$ 798,225	107	\$ 3,520
SHEET METAL WORKER	13,894	\$ 656,700	194	\$ 10,250
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	\$ 437,460	-	\$ -
BRICKLAYER, BLOCKLAYER	8,574	\$ 326,663	101	\$ 4,210
ELECTRICAL UTILITY LINEMAN	6,797	\$ 417,708	5	\$ 383
GLAZIER	4,089	\$ 177,629	-	\$ -
PLASTERER	2,699	\$ 89,254	-	\$ -
PLASTER TENDER	961	\$ 31,202	-	\$ -
BRICK TENDER	827	\$ 27,956	54	\$ 1,884
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	718	\$ 23,239	-	\$ -
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166	-	\$ -
TILE SETTER	351	\$ 12,929	-	\$ -
CARPET, LINOLEUM, SOFT FLOOR LAYER	309	\$ 14,012	-	\$ -
TILE FINISHER	277	\$ 5,836	-	\$ -
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	-	\$ -
TERRAZZO WORKER	199	\$ 8,163	-	\$ -
SHEET METAL WORKER (HVAC)	172	\$ 8,402	-	\$ -
MARBLE FINISHER	40	\$ 1,342	-	\$ -
TERRAZZO FINISHER	4	\$ 160	-	\$ -
Total Apprenticable	7,061,753	\$ 194,518,338	85,500	\$ 3,227,123
Non-Apprenticeable				
TEAMSTER	121,969	\$ 5,462,138	2,902	\$ 108,433
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	96,650	\$ 7,018,067	-	\$ -
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK) (SPECIAL SINGLE AND SECOND SHIFT)	94,400	\$ 4,379,984	-	\$ -
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY WORK)	79,075	\$ 3,551,621	-	\$ -
ASBESTOS REMOVAL WORKER (LABORER)	17,057	\$ 431,301	-	\$ -
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY WORK)	13,146	\$ 582,242	-	\$ -
WATER WELL DRILLER	12,313	\$ 454,372	-	\$ -
LANDSCAPE MAINTENANCE LABORER	1,691	\$ 39,705	-	\$ -
TREE TRIMMER (HIGH VOLTAGE LINE CLEARANCE)	1,422	\$ 36,006	-	\$ -
TELECOMMUNICATIONS TECHNICIAN	1,160	\$ 37,245	-	\$ -
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	1,001	\$ 35,916	-	\$ -
DREDGER OPERATING ENGINEER	831	\$ 33,307	-	\$ -
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	\$ 24,481	-	\$ -
SLURRY SEAL WORKER	592	\$ 14,870	-	\$ -
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER - HEAVY & HIGHWAY WORK)	282	\$ 12,787	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAINTER (PAINTER)	265	\$ 8,680	-	\$ -
IRONWORKER (DB)	80	\$ 2,772	-	\$ -
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	\$ 291	-	\$ -
Total Non-Apprenticeable	442,576	\$ 22,125,787	2,902	\$ 108,433
Total Apprenticable	7,061,753	\$ 194,518,338	85,500	\$ 3,227,123
Total WSIP PLA	7,504,329	\$ 216,644,125	88,402	\$ 3,335,556

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

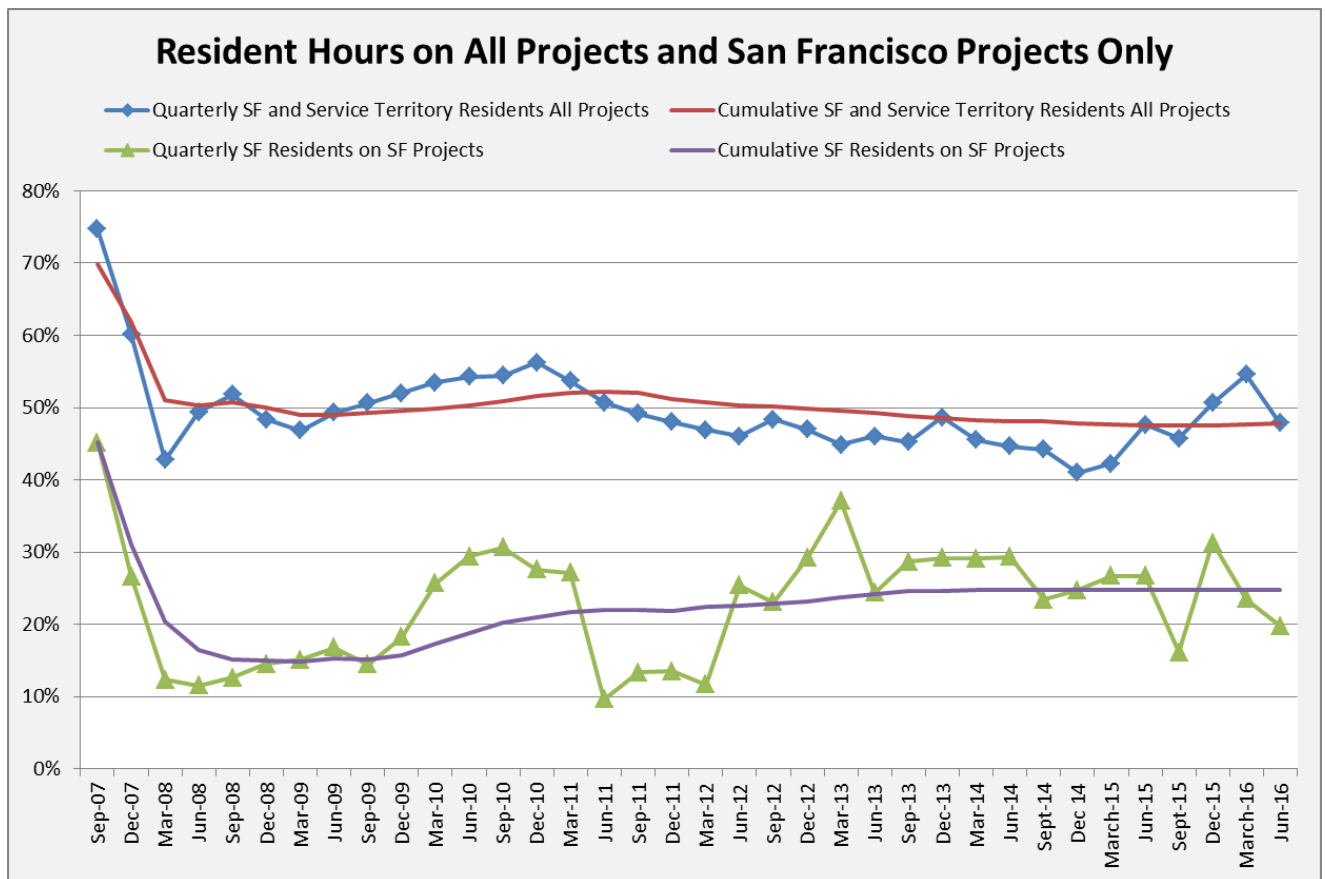


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Worker Residence on the WSIP PLA

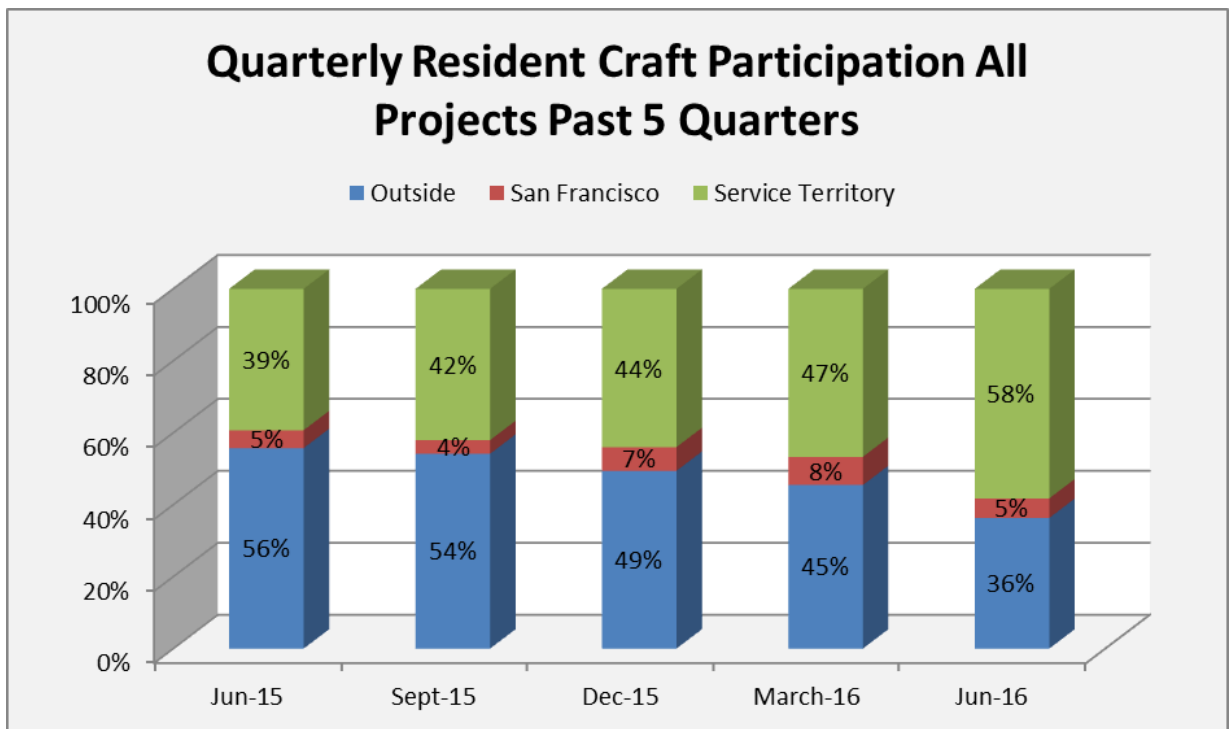
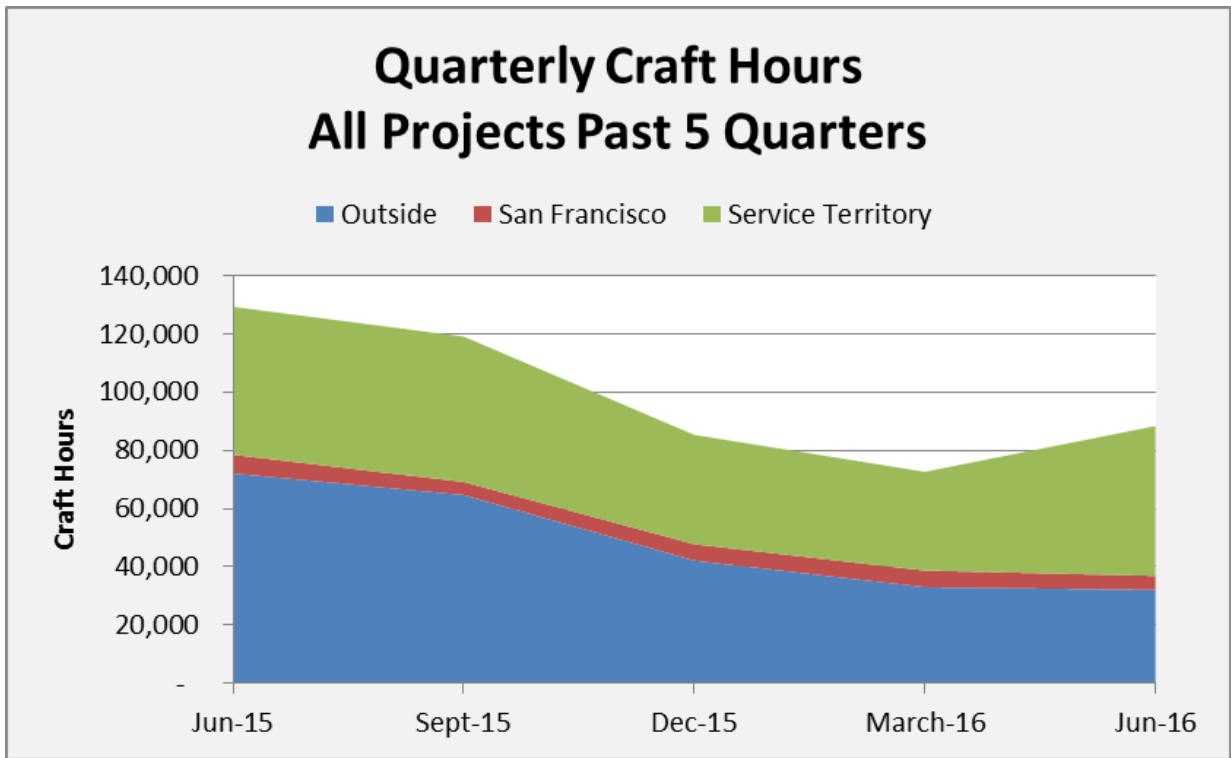
The Regional Service Territory covering seven counties is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Service Territory on WSIP PLA-covered projects through June 30, 2016.



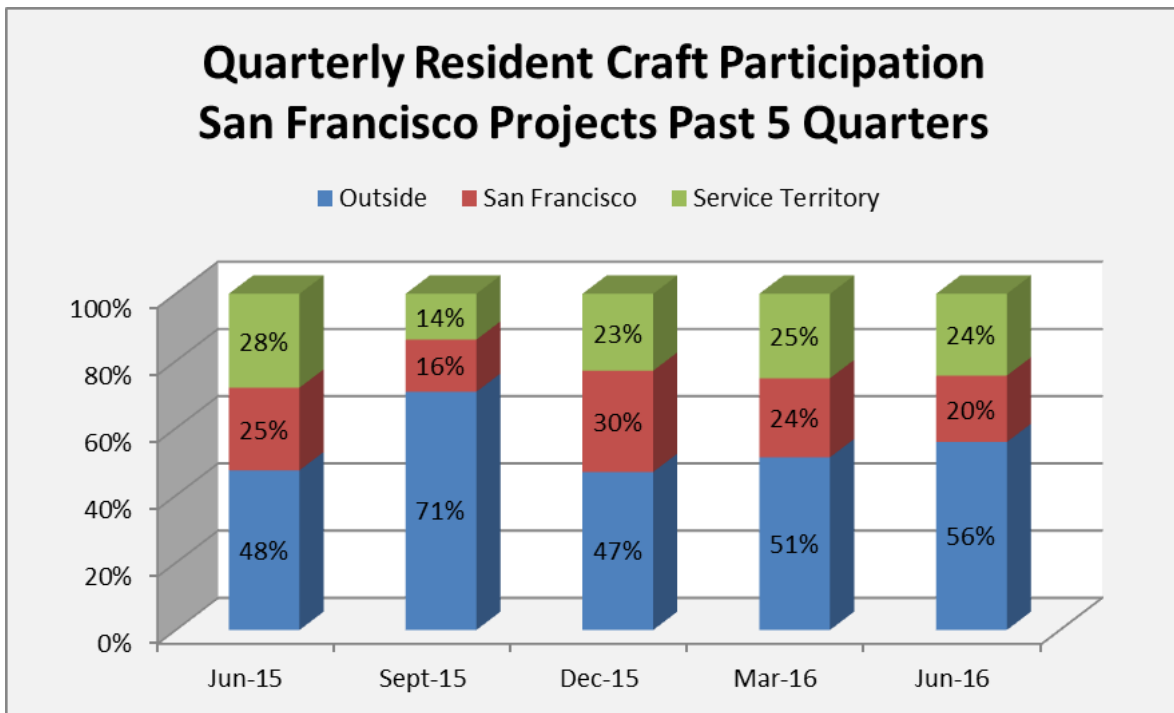
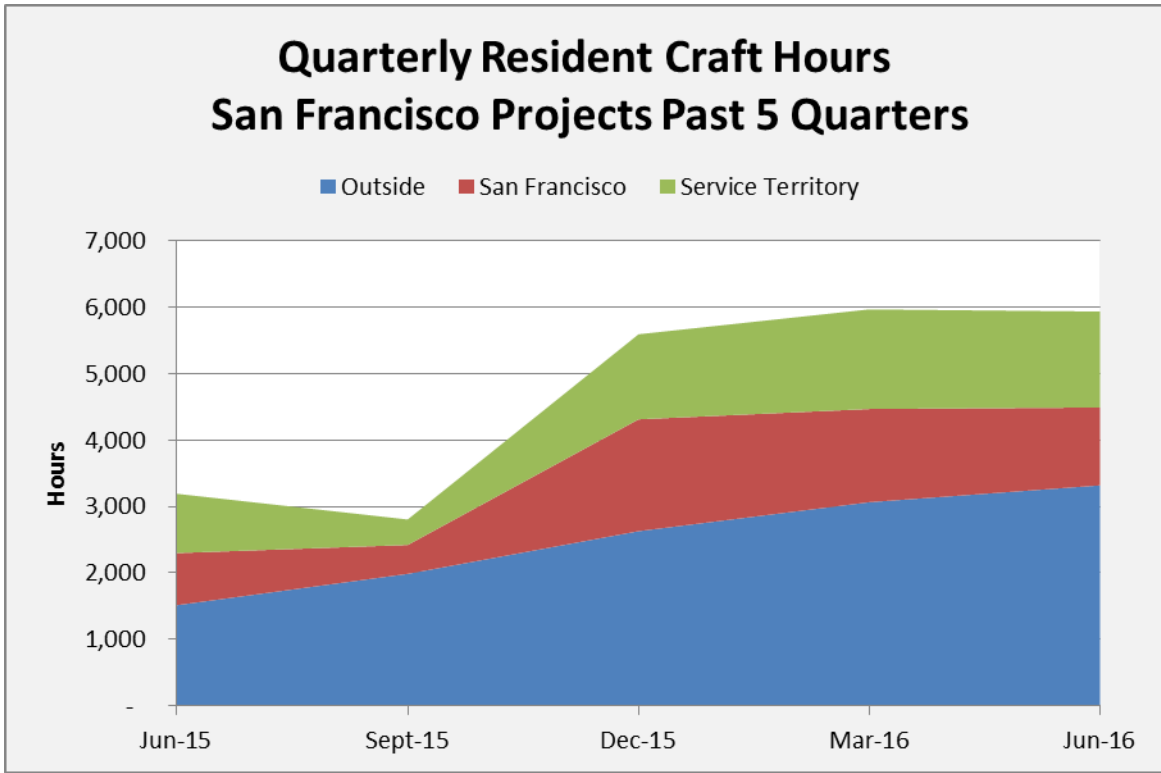
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Residence on ALL WSIP PLA Projects - Charted are 51 of the 51 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



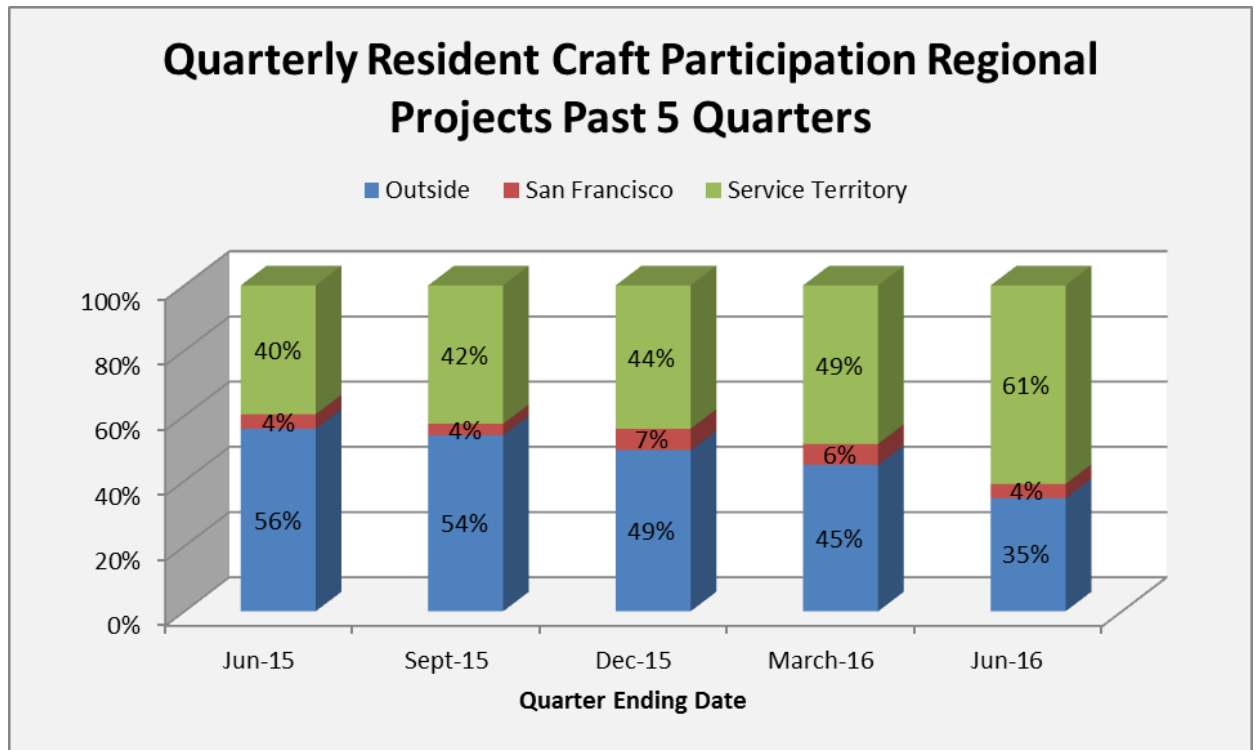
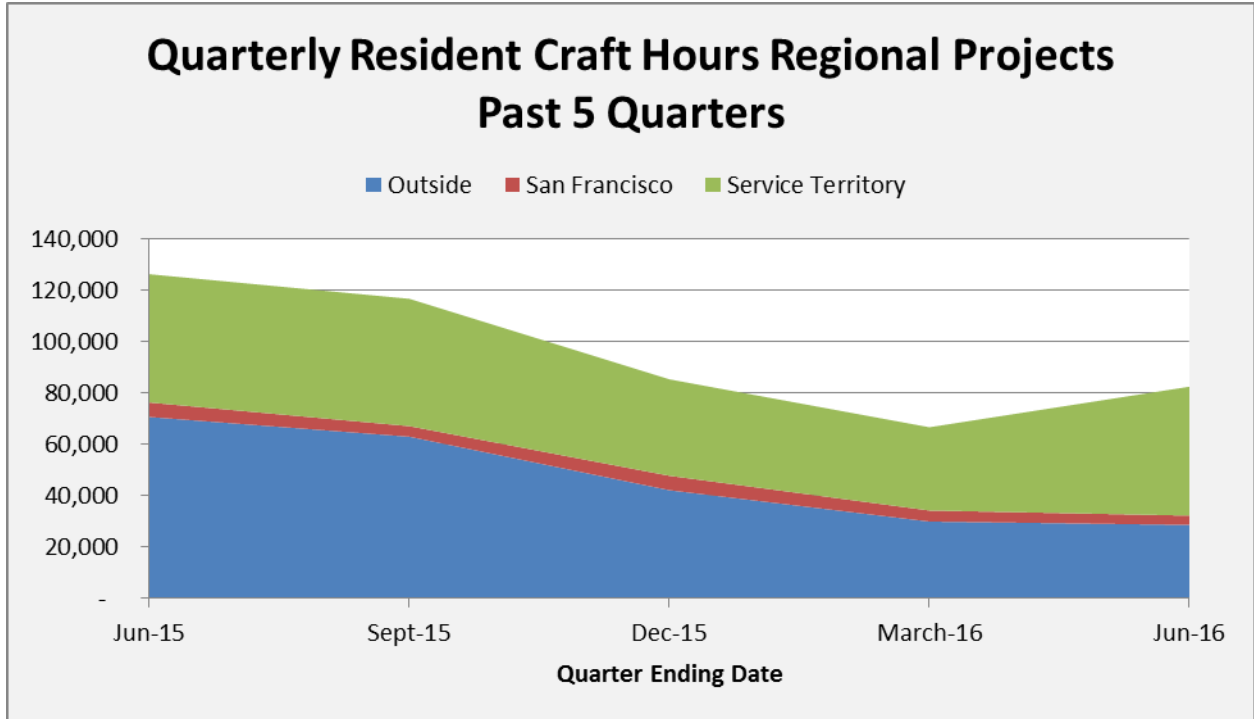
San Francisco Public Utilities Commission
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Residence on San Francisco-located WSIP PLA Projects - Charted are the 13 projects covered by the WSIP PLA located within San Francisco only.



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Residence on Regionally-located WSIP PLA Projects - Charted are the 38 projects covered by the WSIP PLA located within the Service Territory.



Residence by County

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Sorted by Total Craft Hours

WSIP-PLA Employment by Top 20 Counties of Residence					
Inception Through June 30, 2016					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda	1,329,177	\$ 48,628,285	17.7%	2,556	639
Contra Costa	997,376	\$ 38,200,502	13.3%	1,716	480
San Mateo	750,378	\$ 29,613,846	10.0%	1,171	361
San Joaquin	691,612	\$ 25,461,620	9.2%	1,073	333
San Francisco	527,098	\$ 19,534,902	7.0%	1,070	253
Santa Clara	430,373	\$ 17,509,012	5.7%	1,158	207
Solano	372,339	\$ 14,594,247	5.0%	712	179
Stanislaus	327,715	\$ 11,770,334	4.4%	538	158
Sacramento	318,031	\$ 12,337,838	4.2%	519	153
Butte	200,292	\$ 7,874,325	2.7%	111	96
Sonoma	157,818	\$ 6,262,113	2.1%	295	76
Tuolumne	89,869	\$ 3,435,805	1.2%	89	43
Calaveras	89,770	\$ 3,925,510	1.2%	77	43
Placer	75,069	\$ 2,984,328	1.0%	119	36
El Dorado	71,103	\$ 2,869,325	0.9%	81	34
Yolo	67,181	\$ 2,591,236	0.9%	88	32
Los Angeles	65,997	\$ 2,817,935	0.9%	131	32
Clark	62,468	\$ 2,761,891	0.8%	66	30
Shasta	59,739	\$ 2,607,041	0.8%	48	29
Napa	55,181	\$ 2,426,062	0.7%	72	27
Top 20 Counties by	6,738,585	\$ 258,206,155	89.7%	11,690	3,240
All Other Counties	765,744	\$ 33,032,742	10.3%	975	368
WSIP-PLA Total	7,504,329	\$ 291,238,897	100.0%	12,665	3,608

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San Francisco Residents by Zip Code

Sorted by Total Craft Hours

Employment by San Francisco Zip Code					
Inception Through June 30, 2016					
San Francisco Zip Codes	Total Workers				
	Total Craft Hours	Wages	% Total Craft Hours	Worker Count	FTE
94112	89,852	\$ 3,133,485	17.0%	179	43
94124	81,847	\$ 3,046,876	15.5%	217	39
94110	75,922	\$ 2,569,074	14.4%	152	37
94116	62,417	\$ 3,034,165	11.8%	72	30
94134	41,755	\$ 1,270,621	7.9%	105	20
94122	28,244	\$ 1,245,211	5.4%	54	14
94121	24,322	\$ 962,121	4.6%	40	12
94103	23,801	\$ 730,677	4.5%	31	11
94127	18,939	\$ 675,973	3.6%	17	9
94102	8,604	\$ 383,152	1.6%	18	4
94132	8,483	\$ 333,470	1.6%	31	4
94118	8,331	\$ 408,224	1.6%	19	4
94117	7,877	\$ 195,835	1.5%	16	4
94107	7,618	\$ 283,975	1.4%	19	4
94131	7,493	\$ 283,028	1.4%	18	4
94133	5,216	\$ 185,606	1.0%	7	3
94114	4,835	\$ 187,416	0.9%	12	2
94164	3,451	\$ 98,256	0.7%	2	2
94109	3,403	\$ 100,513	0.6%	19	2
94108	3,348	\$ 71,658	0.6%	8	2
94130	3,273	\$ 69,745	0.6%	9	2
94115	1,713	\$ 50,425	0.3%	21	1
94188	1,391	\$ 33,477	0.3%	5	1
94142	1,318	\$ 57,607	0.3%	7	1
94111	661	\$ 14,669	0.1%	3	0
94166	638	\$ 30,298	0.1%	1	0
94104	523	\$ 13,179	0.1%	2	0
94123	496	\$ 24,939	0.1%	2	0
94129	447	\$ 13,106	0.1%	1	0
94140	288	\$ 11,589	0.1%	1	0
94119	255	\$ 7,976	0.0%	1	0
94147	162	\$ 4,785	0.0%	1	0
94105	141	\$ 2,599	0.0%	1	0
94125	29	\$ 994	0.0%	2	0
94158	8	\$ 178	0.0%	1	0
Total	527,098	\$ 19,534,902	100%	1,094	253
WSIP-PLA Total	7,504,329	\$ 291,238,897	-	12,665	3,608

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Residence by Craft

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through June 30, 2016							
Craft	Total Hours	San Francisco Hours	SFPUC Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
OPERATING ENGINEER (HEAVY AND HIGHWAY)	962,006	17,568	370,571	573,867	1.8%	38.5%	59.7%
CARPENTER	670,986	76,802	280,153	314,031	11.5%	41.8%	46.8%
TUNNEL WORKER (LABORER)	610,052	11,102	244,642	354,308	1.8%	40.1%	58.1%
OPERATING ENGINEER	505,829	44,890	182,674	278,266	8.9%	36.1%	55.0%
ELECTRICIAN	412,566	22,442	240,503	149,622	5.4%	58.3%	36.3%
PLUMBER	410,123	80,873	132,374	196,876	19.7%	32.3%	48.0%
IRON WORKER	251,073	19,485	93,810	137,779	7.8%	37.4%	54.9%
PILE DRIVER (CARPENTER)	157,967	6,526	42,553	108,888	4.1%	26.9%	68.9%
PAINTER	138,534	8,817	13,701	116,017	6.4%	9.9%	83.8%
CEMENT MASON	117,855	5,596	51,947	60,312	4.8%	44.1%	51.2%
BOILERMAKER-BLACKSMITH	117,774	48	22,878	94,847	0.0%	19.4%	80.5%
BUILDING/CONSTRUCTION INSPECTOR AND FI	58,166	3,927	10,464	43,775	6.8%	18.0%	75.3%
PILE DRIVER (OPERATING ENGINEER - HEAVY A	51,451	499	8,518	42,434	1.0%	16.6%	82.5%
ROOFER	48,160	2,498	26,684	18,979	5.2%	55.4%	39.4%
FIELD SURVEYOR	19,777	1,334	3,735	14,709	6.8%	18.9%	74.4%
SHEET METAL WORKER	13,894	542	8,823	4,529	3.9%	63.5%	32.6%
DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	1,178	2,099	7,113	11.3%	20.2%	68.5%
BRICKLAYER, BLOCKLAYER	8,574	82	4,321	4,171	1.0%	50.4%	48.7%
ELECTRICAL UTILITY LINEMAN	6,797		211	6,586		3.1%	96.9%
GLAZIER	4,089	958	1,248	1,884	23.4%	30.5%	46.1%
PLASTERER	2,699	1,110	611	979	41.1%	22.6%	36.3%
OPERATING ENGINEER (SPECIAL SINGLE AND S	2,637	47	1,691	899	1.8%	64.1%	34.1%
PLASTER TENDER	961	706	109	147	73.4%	11.3%	15.2%
BRICK TENDER	827	287	19	521	34.7%	2.3%	63.0%
PARKING AND HIGHWAY IMPROVEMENT PAIN	720		386	334		53.5%	46.5%
ASBESTOS WORKER, HEAT AND FROST INSULA	507		197	310		38.9%	61.1%
TILE SETTER	351		344	7		98.0%	2.0%
CARPET, LINOLEUM, SOFT FLOOR LAYER	309	6	64	239	1.9%	20.7%	77.4%
TILE FINISHER	277		237	40		85.6%	14.4%
METAL ROOFING SYSTEMS INSTALLER	201			201			100.0%
TERRAZZO WORKER	199			199			100.0%
SHEET METAL WORKER (HVAC)	172		138	34		80.2%	19.8%
MARBLE FINISHER	40		40			100.0%	
TERRAZZO FINISHER	4		4			100.0%	
Total Apprenticeable	4,585,961	307,318	1,745,745	2,532,899	6.7%	38.1%	55.2%
LABORER	2,475,792	188,244	1,087,480	1,200,068	7.6%	43.9%	48.5%
Non-Apprenticeable							
TEAMSTER	121,969	9,403	67,467	45,099	7.7%	55.3%	37.0%
DRIVER (ON/OFF-HAULING TO/FROM CONSTR	96,650	16,305	64,534	15,811	16.9%	66.8%	16.4%
OPERATING ENGINEER (HEAVY AND HIGHWAY)	94,400		39,892	54,508	0.0%	42.3%	57.7%
TUNNEL/UNDERGROUND (OPERATING ENGINE	79,075	70	44,357	34,648	0.1%	56.1%	43.8%
ASBESTOS REMOVAL WORKER (LABORER)	17,057	887	2,256	13,914	5.2%	13.2%	81.6%
TUNNEL/UNDERGROUND (OPERATING ENGINE	13,146		3,850	9,296	0.0%	29.3%	70.7%
WATER WELL DRILLER	12,313		7,529	4,784	0.0%	61.1%	38.9%
LANDSCAPE MAINTENANCE LABORER	1,691	360	830	501	21.3%	49.1%	29.6%
TREE TRIMMER (HIGH VOLTAGE LINE CLEARAN	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%
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	1,001		789	212	0.0%	78.8%	21.2%
DREDGER OPERATING ENGINEER	831			831	0.0%	0.0%	100.0%
OPERATING ENGINEER (BUILDING CONSTRUCT	635	133	229	273	20.9%	36.1%	43.0%
SLURRY SEAL WORKER	592		321	271	0.0%	54.3%	45.7%
STEEL ERECTOR AND FABRICATOR (OPERATING	282		282		0.0%	100.0%	0.0%
PARKING AND HIGHWAY IMPROVEMENT PAIN	265		167	98	0.0%	63.0%	37.0%
IRONWORKER (DB)	80			80	0.0%	0.0%	100.0%
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11			11	0.0%	0.0%	100.0%
Total Non-Apprenticeable	442,576	27,190	234,781	180,606	6.1%	53.1%	40.8%
Total WSIP PLA	7,504,329	522,752	3,068,005	3,913,572	7.0%	40.9%	52.2%

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Residence by Project

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary Through June 30, 2016							
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% SFPUC Service Territory Hours	% Outside Hours
WD-2596 - Harry Tracy Water Treatment	1,012,682	63,395	371,992	577,295	6.3%	36.7%	57.0%
WD-2551 Calaveras Dam Replacement P	908,103	4,167	327,049	576,887	0.5%	36.0%	63.5%
WD-2581 - New Irvington Tunnel	730,496	3,538	305,831	421,127	0.5%	41.9%	57.6%
WD-2531 - Bay Division Pipelines Reliab	574,410	18,400	329,192	226,819	3.2%	57.3%	39.5%
WD-2601 - Crystal Springs / San Andrea	488,511	25,322	191,992	271,197	5.2%	39.3%	55.5%
WD-2582 - Sunol Valley Water Treatme	462,447	11,320	193,089	258,038	2.4%	41.8%	55.8%
WD-2542 - Bay Division Pipeline No. 5 -	288,044	2,888	132,445	152,711	1.0%	46.0%	53.0%
CS-936 - Advanced Meter Infrastructure	227,027	72,108	84,621	70,298	31.8%	37.3%	31.0%
WD-2541 - Bay Division Pipeline No. 5 -	208,255	14,163	83,047	111,045	6.8%	39.9%	53.3%
WD-2539 - University Mound Reservoir	187,032	50,004	44,748	92,280	26.7%	23.9%	49.3%
WD-2627R Sutro Reservoir Rehabilitatio	154,365	49,225	39,318	65,822	31.9%	25.5%	42.6%
HH-935C - San Joaquin Pipeline System	144,012	83	80,529	63,401	0.1%	55.9%	44.0%
DB-116 - Tesla Treatment Facility	141,910	2,062	95,072	44,776	1.5%	67.0%	31.6%
WD-2629 Seismic Upgrade of Bay Divisi	135,960	567	55,316	80,078	0.4%	40.7%	58.9%
WD-2552 - Alameda Siphon No. 4 Proje	129,485	1,450	57,593	70,442	1.1%	44.5%	54.4%
WD-2555 - Crystal Springs Pipeline No.2	127,805	34,923	35,391	57,491	27.3%	27.7%	45.0%
WD-2498 - New Crystal Springs Bypass (117,860	6,825	61,076	49,960	5.8%	51.8%	42.4%
WD-2652 Bioregional Habitat Restoratio	109,192	2,663	43,254	63,275	2.4%	39.6%	57.9%
WD-2548 - Lake Merced Pump Station E	101,050	23,185	27,211	50,655	22.9%	26.9%	50.1%
HH-935B - San Joaquin Pipeline System	100,492	426	42,719	57,347	0.4%	42.5%	57.1%
WD-2591 - Lower Crystal Springs Dam Ir	98,656	5,022	57,594	36,040	5.1%	58.4%	36.5%
WD-2668 Regional Groundwater Stora	85,961	13,732	40,896	31,333	16.0%	47.6%	36.5%
HH-935A - San Joaquin Pipeline System	84,483	158	45,744	38,581	0.2%	54.1%	45.7%
WD-2513 - San Andreas Pipeline No.3 In	83,503	6,294	27,850	49,359	7.5%	33.4%	59.1%
WD-2575 San Antonio Backup Pipeline	75,263	9,125	31,720	34,418	12.1%	42.1%	45.7%
WD-2504 - Stanford Heights Reservoir S	74,300	11,120	19,865	43,315	15.0%	26.7%	58.3%
WD-2501 - Alemany Pump Station	74,085	7,565	28,838	37,682	10.2%	38.9%	50.9%
WD-2727 Peninsula Pipeline Seismic Up	69,772	13,623	22,624	33,526	19.5%	32.4%	48.1%
WD-2543 - North University Mound Syst	53,265	10,250	18,190	24,826	19.2%	34.1%	46.6%
WD-2573 - Pulgas Balancing Reservoir S	50,367	5,166	24,787	20,415	10.3%	49.2%	40.5%
WD-2568 - BDPL Nos. 3&4 Crossover Fac	47,910	4,908	14,647	28,355	10.2%	30.6%	59.2%
WD-2641R Habitat Reserve Program, Hd	44,018	7,286	11,135	25,597	16.6%	25.3%	58.2%
WD-2564 - Harry Tracy Water Treatment	43,049	7,220	12,709	23,120	16.8%	29.5%	53.7%
WD-2469 - Forest Knolls Pump Station a	26,553	3,844	8,140	14,569	14.5%	30.7%	54.9%
WD-2666 Bioregional Habitat Restoratio	23,492	46	7,032	16,414	0.2%	29.9%	69.9%
WD-2623 - Harding Park Recycled Water	22,727	4,530	13,464	4,734	19.9%	59.2%	20.8%
WD-2529 - Noe Valley Transmission Ma	22,511	3,918	7,931	10,662	17.4%	35.2%	47.4%
WD-2621R San Francisco Groundwater S	22,439	4,971	4,954	12,514	22.2%	22.1%	55.8%
WD-2651R Peninsula 2011 Watershed C	22,245	557	11,289	10,399	2.5%	50.7%	46.7%
WD-2665 Bay Division Pipeline Reliabil	21,967	341	6,958	14,668	1.6%	31.7%	66.8%
WD-2556 - Baden and San Pedro Valve U	19,939	4,570	10,634	4,735	22.9%	53.3%	23.7%
WD-2622 San Francisco Groundwater Su	17,782	4,360	2,503	10,919	24.5%	14.1%	61.4%
WD-2566 - San Antonio Pump Station U	14,916	101	11,985	2,831	0.7%	80.3%	19.0%
HH-914R - Roselle Crossover Improvem	12,859	-	8,789	4,070	0.0%	68.3%	31.7%
HH-953 - Tesla Portal Protection	11,512	4,989	4,453	2,071	43.3%	38.7%	18.0%
WD-2511 - Standby Power Facilities, Va	11,275	136	6,599	4,541	1.2%	58.5%	40.3%
WD-2640 Bioregional Habitat Restoratio	10,621	1,259	4,182	5,180	11.9%	39.4%	48.8%
WD-2600 Regional Groundwater Stora	6,088	-	296	5,792	0.0%	4.9%	95.1%
WD-2654R Peninsula Vegetation Remov	2,136	840	476	821	39.3%	22.3%	38.4%
WD-2589 - Supervisory Control and Dat	1,498	113	242	1,144	7.6%	16.1%	76.3%
WD-2729 Fish Passage Facilities Within	-	-	-	-	0.0%	0.0%	0.0%
Total WSIP PLA	7,504,329	522,752	3,068,005	3,913,572	7.0%	40.9%	52.2%

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Apprentice Utilization

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

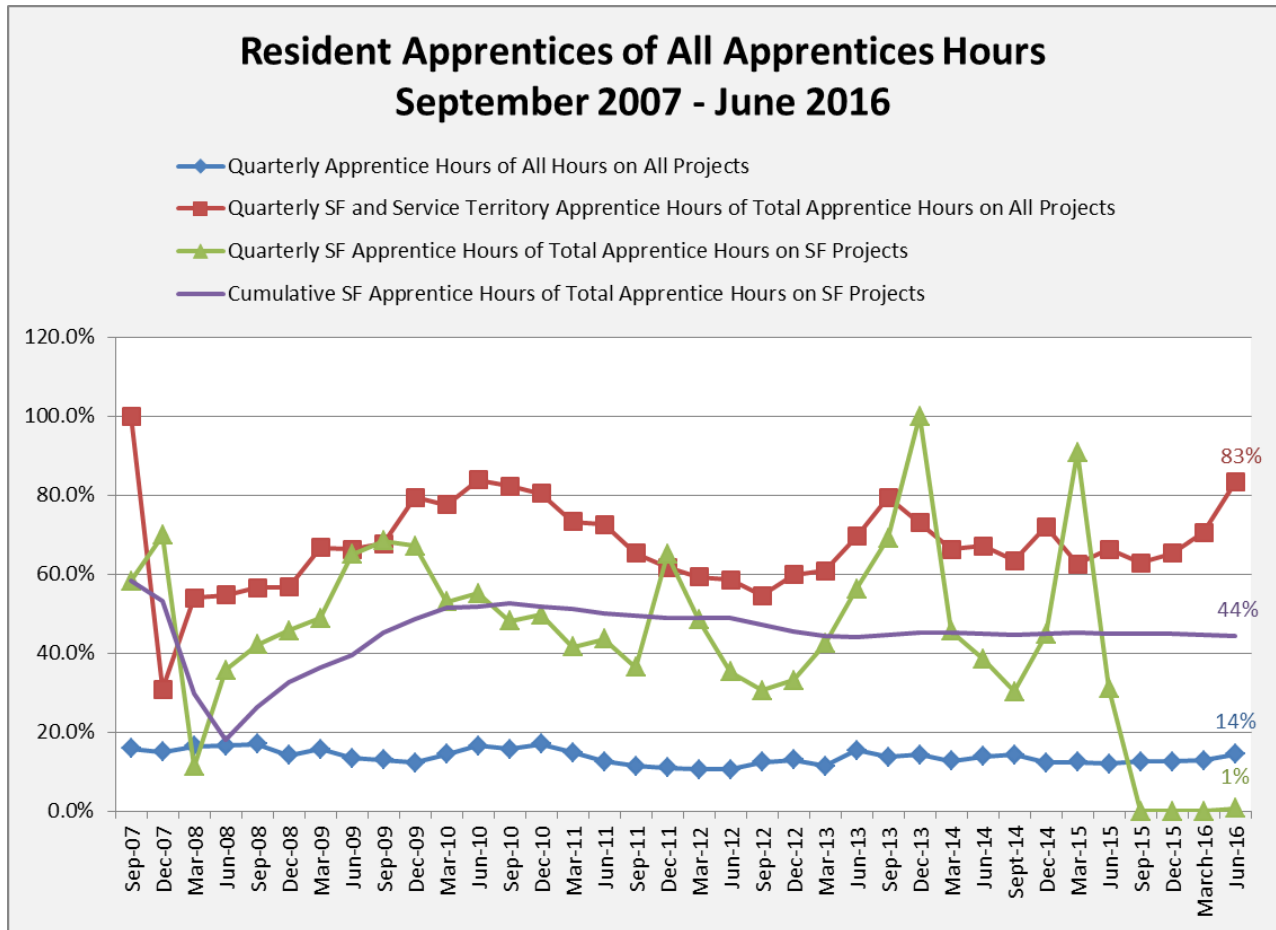
Through the end of the current quarter, 13.3% of craft hours in apprenticeable trades have been worked by apprentices. 17.2% of apprentice hours were worked by San Francisco residents and 53.8% were worked by residents of the Service Territory, or 71% combined.

Sorted by Total Craft Hours

Craft	Total Hours	Total Apprentice Hours	Apprentice Hours			Apprentice Utilization			Resident Apprentice %		
			San Francisco Hours	SFPUC ST Hours	Outside Hours	Apprentice % of Total Craft Hours	San Francisco Apprentice % of Total Craft Hours	Service Territory Apprentice % of Total Craft Hours	% of Craft Apprentice Hours Performed by San Francisco Residents	% of Craft Apprentice Hours Performed by Service Territory Residents	% of Craft Apprentice Hours Performed by Outside Residents
A - OPERATING ENGINEER (HEAVY AND HIGHWAY)	962,005.84	20,663	3,912	11,459	5,293	2.1%	0.4%	1.2%	18.9%	55.5%	25.6%
A - CARPENTER AND RELATED TRADES	670,986	105,824	27,657	48,622	29,546	15.8%	4.1%	7.2%	26.1%	45.9%	27.9%
A - TUNNEL WORKER (LABORER)	610,052	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - OPERATING ENGINEER	505,828.86	161,504	24,456	63,368	73,680	31.9%	4.8%	12.5%	15.1%	39.2%	45.6%
A - ELECTRICIAN	412,566	75,573	7,620	52,594	15,359	18.3%	1.8%	12.7%	10.1%	69.6%	20.3%
A - PLUMBER	410,123	113,550	32,748	55,864	24,937	27.7%	8.0%	13.6%	28.8%	49.2%	22.0%
A - IRON WORKER	251,073	54,255	12,179	22,827	19,250	21.6%	4.9%	9.1%	22.4%	42.1%	35.5%
A - PILE DRIVER (CARPENTER)	157,967	12,077	4,451	3,464	4,163	7.6%	2.8%	2.2%	36.9%	28.7%	34.5%
A - PAINTER	138,534	23,332	1,809	3,575	17,948	16.8%	1.3%	2.6%	7.8%	15.3%	76.9%
A - CEMENT MASON	117,855	5,266	3,608	506	1,152	4.5%	3.1%	0.4%	68.5%	9.6%	21.9%
A - BOILERMAKER-BLACKSMITH	117,774	2,354	40	1,238	1,076	2.0%	0.0%	1.1%	1.7%	52.6%	45.7%
A - BUILDING/CONSTRUCTION INSPECTOR	58,166	2,017	5	1,242	770	3.5%	0.0%	2.1%	0.2%	61.6%	38.2%
A - PILE DRIVER (OPERATING ENGINEER - HIGHWAY)	51,451	30	-	-	30	0.1%	0.0%	0.0%	0.0%	0.0%	100.0%
A - ROOFER	48,160	11,789	1,130	5,837	4,823	24.5%	2.3%	12.1%	9.6%	49.5%	40.9%
A - FIELD SURVEYOR	19,777	496	-	58	438	2.5%	0.0%	0.3%	0.0%	11.7%	88.3%
A - SHEET METAL WORKER	13,894	1,570	16	919	635	11.3%	0.1%	6.6%	1.0%	58.5%	40.5%
A - DRYWALL INSTALLER/LATHER (CARPENTER)	10,390	289	60	163	66	2.8%	0.6%	1.6%	20.8%	56.4%	22.8%
A - BRICKLAYER, BLOCKLAYER	8,574	2,682	82	573	2,027	31.3%	1.0%	6.7%	3.1%	21.3%	75.6%
A - ELECTRICAL UTILITY LINEMAN	6,797	79	-	79	-	1.2%	0.0%	1.2%	0.0%	100.0%	0.0%
A - GLAZIER	4,089	504	342	20	142	12.3%	8.4%	0.5%	67.9%	4.0%	28.2%
A - PLASTERER	2,699	347	136	-	211	12.9%	5.0%	0.0%	39.2%	0.0%	60.8%
A - OPERATING ENGINEER (SPECIAL SINGLE)	2,636.50	1,162	-	1,047	115	44.1%	0.0%	39.7%	0.0%	90.1%	9.9%
A - PLASTER TENDER	961	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - BRICK TENDER	827	24	24	-	-	2.9%	2.9%	0.0%	100.0%	0.0%	0.0%
A - PARKING AND HIGHWAY IMPROVEMENT	718	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - ASBESTOS WORKER, HEAT AND FROST INSULATION	507	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - TILE SETTER	351	20	-	20	-	5.7%	0.0%	5.7%	0.0%	100.0%	0.0%
A - CARPET, LINOLEUM, SOFT FLOOR LAYER	309	12	-	12	-	3.9%	0.0%	3.9%	0.0%	100.0%	0.0%
A - TILE FINISHER	277	40	-	-	40	14.4%	0.0%	0.0%	0.0%	0.0%	100.0%
A - METAL ROOFING SYSTEMS INSTALLER	201	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - TERRAZZO WORKER	199	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
A - SHEET METAL WORKER (HVAC)	172	8	-	8	-	4.7%	0.0%	4.7%	0.0%	100.0%	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	4,585,961	595,464	120,273	273,491	201,700	13.0%	2.6%	6.0%	20.2%	45.9%	33.9%
A - LABORER	2,475,792	347,263	41,510	233,937	71,815	14.0%	1.7%	9.4%	12.0%	67.4%	20.7%
A-Operating Engineer (COMBINED)	1,470,471	183,328	28,367	75,874	79,088	12.5%	1.9%	5.2%	15.5%	41.4%	43.1%
Total Apprenticeable	7,061,753	942,726	161,783	507,428	273,516	13.3%	2.3%	7.2%	17.2%	53.8%	29.0%
Total Non-Apprenticeable	442,576										
Total WSIP - Covered by PLA	7,504,329										

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For the three months ending June 30, 2016, no Apprentice Hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line), consistent with the last three quarters. As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.



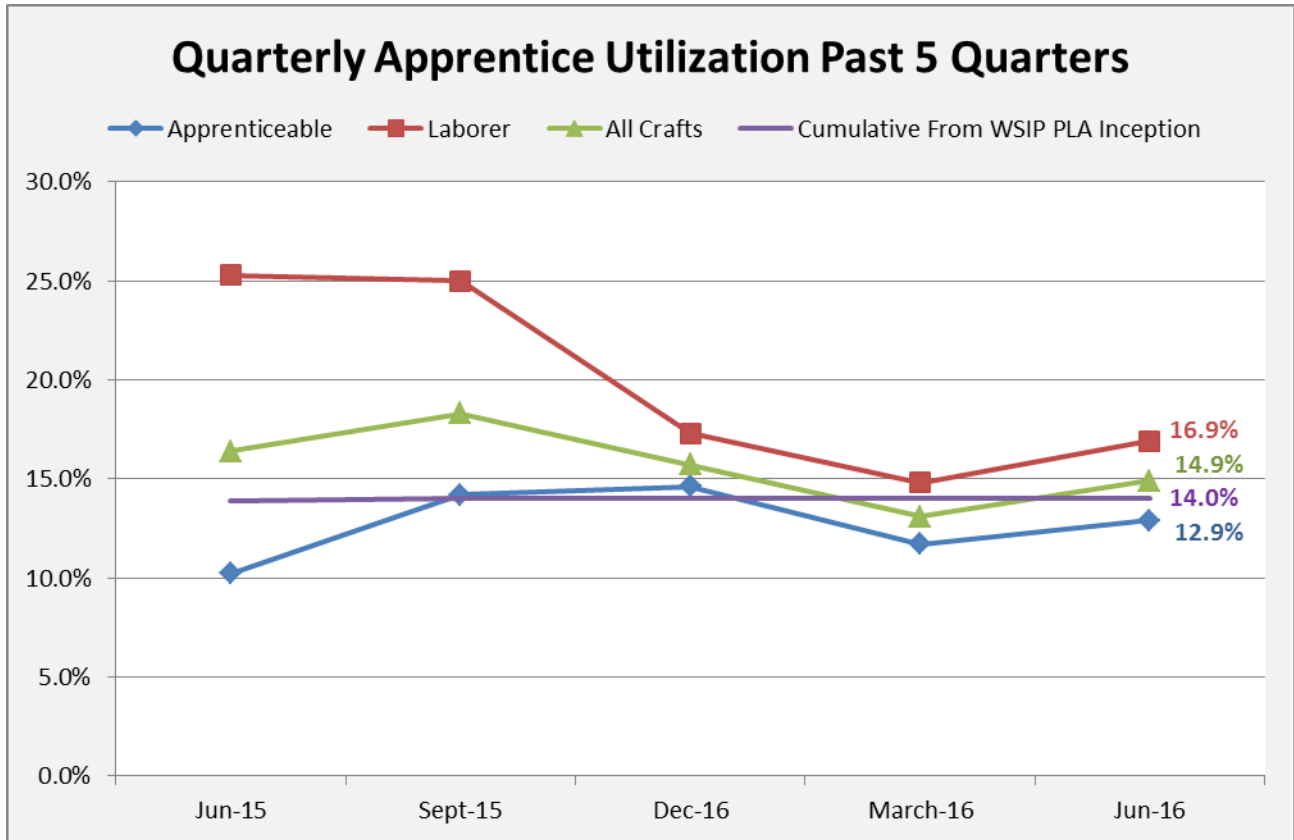
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 14%. This is slightly higher than the 13.3% mentioned in the *Apprentice Utilization by Craft* chart (page 20) because the chart below reflects the Total Apprenticeable and Laborer Hours which is slightly lower than the Total Craft Hours used to calculate the percentage for crafts.

WSIP - Covered by PLA Apprentice Utilization By Project Inception Through June 30, 2016											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Non-Apprenticeable Hours	Total Laborer Hours	Total Apprenticeable and Laborer Hours	Apprenticeable Trades Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer %	Total Apprentice %
CS-936 - Advanced Met	227,027	226,142	-	885	227,027	79,373	-	79,373	35.1%	0.0%	35.0%
HH-953 - Tesla Portal Pr	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11.1%	39.5%	28.6%
WD-2498 - New Crystal	117,860	51,381	54,937	11,543	62,923	12,361	5,252	17,612	24.1%	45.5%	28.0%
WD-2641R Habitat Rese	44,018	7,406	52	36,561	43,966	1,467	7,755	9,222	19.8%	21.2%	21.0%
DB-116 - Tesla Treatme	141,910	97,738	1,863	42,310	140,407	16,580	10,411	26,991	17.0%	24.6%	19.3%
WD-2652 Bioregional H	109,192	19,404	3,086	86,701	106,105	1,468	19,023	20,490	7.6%	21.9%	19.3%
WD-2727 Peninsula Pip	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 Sip	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 B	75,263	45,723	1,151	28,389	74,112	6,488	5,972	12,460	14.2%	21.0%	16.8%
WD-2640 Bioregional H	10,621	4,487	813	5,321	9,809	701	914	1,615	15.6%	17.2%	16.5%
WD-2651R Peninsula 20	22,245	4,777	3,239	14,230	19,007	763	2,372	3,135	16.0%	16.7%	16.5%
WD-2539 - University M	187,032	106,332	1,199	79,502	185,834	23,851	6,500	30,350	22.4%	8.2%	16.3%
WD-2629 Seismic Upgra	135,960	74,264	1,729	59,968	134,232	8,356	13,525	21,881	11.3%	22.6%	16.3%
WD-2573 - Pulgas Balan	50,367	35,362	310	14,695	50,056	7,144	673	7,817	20.2%	4.6%	15.6%
HH-914R - Roselle Cross	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17.4%	11.8%	15.3%
WD-2582 - Sunol Valley	462,447	293,884	13,009	155,554	449,438	49,266	19,350	68,616	16.8%	12.4%	15.3%
WD-2596 - Harry Tracy V	1,012,682	673,492	40,826	298,364	971,856	108,222	35,995	144,217	16.1%	12.1%	14.8%
WD-2551 Calaveras Dan	908,103	530,115	27,088	350,901	881,016	60,582	65,874	126,456	11.4%	18.8%	14.4%
WD-2600 Regional Grou	6,088	0	4,027	2,061	2,061	-	296	296	0.0%	14.3%	14.3%
WD-2627R Sutro Reserv	154,365	77,214	8,900	68,252	145,465	15,391	5,248	20,639	19.9%	7.7%	14.2%
WD-2556 - Baden and S	19,939	11,046	344	8,550	19,595	951	1,788	2,738	8.6%	20.9%	14.0%
WD-2668 Regional Grou	85,961	53,476	214	32,272	85,747	8,524	3,006	11,530	15.9%	9.3%	13.4%
WD-2504 - Stanford Hei	74,300	40,450	-	33,851	74,300	9,134	757	9,891	22.6%	2.2%	13.3%
WD-2531 - Bay Division	574,410	161,855	335,566	76,989	238,844	13,883	17,719	31,602	8.6%	23.0%	13.2%
WD-2513 - San Andreas	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	17,782	4,623	1,682	11,477	16,100	266	1,827	2,092	5.7%	15.9%	13.0%
WD-2566 - San Antonio	14,916	8,241	137	6,539	14,780	859	939	1,798	10.4%	14.4%	12.2%
HH-935C - San Joaquin F	144,012	89,198	1,840	52,974	142,172	8,862	8,401	17,263	9.9%	15.9%	12.1%
WD-2621R San Francisc	22,439	12,160	-	10,279	22,439	1,145	1,431	2,576	9.4%	13.9%	11.5%
WD-2601 - Crystal Sprin	488,511	300,755	57,401	130,355	431,111	37,805	10,835	48,640	12.6%	8.3%	11.3%
WD-2469 - Forest Knoll	26,553	17,167	49	9,337	26,504	2,888	19	2,907	16.8%	0.2%	11.0%
WD-2555 - Crystal Sprin	127,805	49,126	9,741	68,938	118,064	7,559	5,394	12,953	15.4%	7.8%	11.0%
WD-2548 - Lake Merced	101,050	72,283	2,264	26,504	98,786	10,670	137	10,807	14.8%	0.5%	10.9%
HH-935A - San Joaquin F	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 F	100,492	52,969	11,926	35,598	88,566	4,061	5,243	9,304	7.7%	14.7%	10.5%
WD-2501 - Alemany Pur	74,085	54,295	48	19,741	74,037	7,403	223	7,625	13.6%	1.1%	10.3%
WD-2541 - Bay Division	208,255	89,103	12,808	106,345	195,448	10,026	10,170	20,196	11.3%	9.6%	10.3%
WD-2542 - Bay Division	288,044	90,616	31,498	165,930	256,546	7,049	19,161	26,210	7.8%	11.5%	10.2%
WD-2568 - BDPL Nos. 38	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12.1%	5.0%	9.9%
WD-2591 - Lower Crysta	98,656	40,891	1,323	56,442	97,333	4,833	3,853	8,685	11.8%	6.8%	8.9%
WD-2665 Bay Division P	21,967	10,548	234	11,185	21,733	168	1,741	1,909	1.6%	15.6%	8.8%
WD-2581 - New Irvingto	730,496	546,790	99,798	83,908	630,698	31,860	19,891	51,750	5.8%	23.7%	8.2%
WD-2666 Bioregional H	23,492	16,708	336	6,448	23,156	228	1,615	1,843	1.4%	25.0%	8.0%
WD-2589 - Supervisory	1,498	728	-	771	1,498	115	-	115	15.8%	0.0%	7.7%
WD-2623 - Harding Park	22,727	7,869	456	14,403	22,271	696	949	1,645	8.8%	6.6%	7.4%
WD-2543 - North Unive	53,265	14,383	7,082	31,800	46,183	743	2,255	2,998	5.2%	7.1%	6.5%
WD-2511 - Standby Pow	11,275	9,046	-	2,230	11,275	626	-	626	6.9%	0.0%	5.6%
WD-2529 - Noe Valley T	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0.0%	7.9%	5.5%
WD-2564 - Harry Tracy V	43,049	22,612	80	20,358	42,969	2,089	-	2,089	9.2%	0.0%	4.9%
WD-2654R Peninsula Ve	2,136	403	-	1,733	2,136	-	8	8	0.0%	0.5%	0.4%
WD-2729 Fish Passage F	-	0	-	-	-	-	-	-	0.0%	0.0%	0.0%
WSIP - Covered by PLA	7,504,329	4,262,813	765,893	2,475,624	6,738,436	595,466	347,263	942,728	14.0%	14.0%	14.0%

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The following chart indicates Quarterly Apprentice Utilization over the past five (5) quarters ending June 30, 2016. The Laborers continue to work a considerable amount of hours and are highlighted below. Percentages compared to last quarter are as follows; the Laborers Apprentice Utilization increased by 2.1%, the Apprenticeable trades increased by 1.2% , and the Laborer and Apprenticeable crafts combined (All Crafts) show an increase of about 1.8%. However, the overall cumulative percentage has remained the same.



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Jobs Training and Opportunities Program (JTOP)

As of June 30, 2016, the SFPUC and City staff has referred 532 Apprentices and 282 Journeypersons to WSIP PLA-covered Projects from our community-based partners in Job Training Programs and through the Labor Unions. These 814 individuals represent 10.4% of the total hours worked and 7.8% of the wages earned.*

WSIP-PLA Referred Workers By Job Training and Opportunities Program Inception Through June 30, 2016						
Referred Apprentice Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Apprentices	% Of Total Apprentice Hours	% Of Total Apprentice Wages
CityBuild	63	32,320	\$ 832,202	3.8%	3.4%	3.4%
CityBuild Academy	49	37,299	\$ 925,376	2.9%	3.9%	3.7%
Cypress Mandela Training Center, Inc.	35	57,097	\$ 1,359,131	2.1%	6.1%	5.5%
Helmets to Hardhats	1	3,339	\$ 80,910	0.1%	0.4%	0.3%
Job Corps	1	4,328	\$ 129,666	0.1%	0.5%	0.5%
JobTrain's Project Build	57	78,575	\$ 1,867,007	3.3%	8.3%	7.7%
Northern California Construction and Training, Inc.	7	7,256	\$ 158,831	0.5%	0.7%	0.7%
UNION	239	188,887	\$ 4,800,264	14.3%	20.1%	19.6%
San Joaquin County Office of Ed. YouthBuild	11	16,908	\$ 364,446	0.6%	1.8%	1.5%
SFPUC	63	55,708	\$ 1,451,213	3.8%	5.9%	5.9%
Sponser	2	3,362	\$ 122,412	0.0%	0.1%	0.0%
Total Referred Apprentice Workers	532	510,509	\$ 12,725,859	32.0%	54.2%	51.9%
Non-Referred Apprentices	1,133	432,219	\$ 11,782,243	68.0%	45.8%	48.1%
Total Apprentices	1,665	942,728	\$ 24,508,102	100.0%	100.0%	100.0%

Referred Journeyperson Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Journey Level Workers	% Of Total Journey Hours	% Of Total Journey Wages
CityBuild	71	49,910	\$ 2,157,513	0.7%	0.8%	0.9%
CityBuild Academy	9	8,116	\$ 274,313	0.0%	0.1%	0.1%
Cypress Mandela Training Center, Inc.	8	9,532	\$ 303,742	0.1%	0.2%	0.2%
HH	1	13	\$ 498	0.0%	0.0%	0.0%
Job Corps	1	37	\$ 1,489	0.0%	0.0%	0.0%
JobTrain's Project Build	13	17,101	\$ 531,734	0.0%	0.3%	0.2%
NCCT	1	1,640	\$ 42,809	0.0%	0.0%	0.0%
Union	140	130,615	\$ 4,860,040	1.4%	2.0%	1.9%
San Joaquin County Office of Ed. YouthBuild	1	222	\$ 5,099	0.0%	0.0%	0.0%
SFPUC	33	47,130	\$ 1,638,213	0.3%	0.7%	0.6%
Sponser	2	3,362	\$ 122,412	0.0%	0.1%	0.0%
Total Referred Journeyperson Workers	282	270,794	\$ 10,032,505	2.8%	4.1%	3.8%
Non-Referred Journeypersons	9,813	6,290,807	\$ 256,698,290	97.2%	95.9%	96.2%
Total Journeypersons	10,095	6,561,601	\$ 266,730,795	100.0%	100.0%	100.0%

Total Workforce						
Total Referred Workers (J+A)	814	781,303	\$ 22,758,364	6.3%	10.4%	7.8%
All Non-Referred Workers						
All Non-Referred Workers	10,817	6,723,026	\$ 268,480,534	93.7%	89.6%	92.2%
Total Workforce	11,631	7,504,329	\$ 291,238,897	100.0%	100.0%	100.0%

Note: Because of the statistics method's distinction, the result of the worker count in this report is different from other reports.

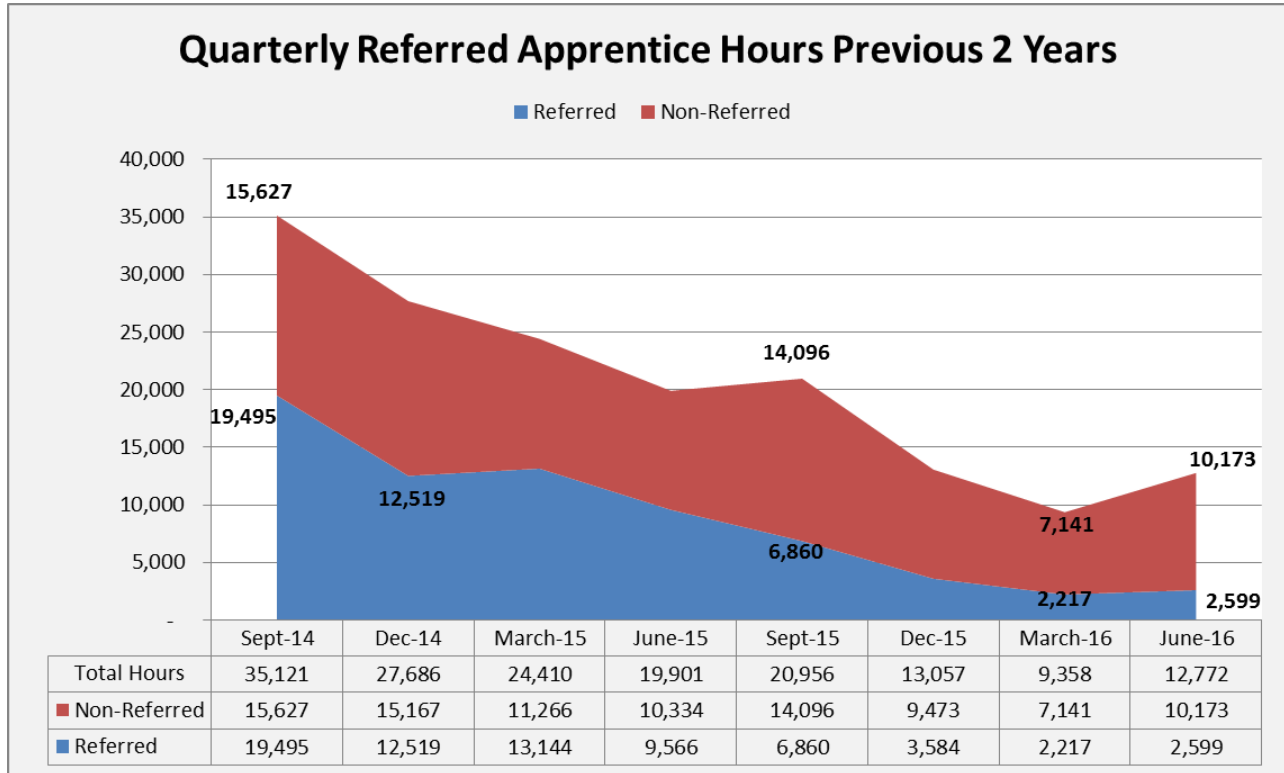
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The table below illustrates *JTOP Referred Worker Utilization by Project* with the greatest total project participation total listed first.

Referred Worker Utilization by WSIP - PLA Covered Project Inception through June 30, 2016									
Project	Total Craft Hours			Referred Hours			Referred Utilization %		
	Total Hours	Total Apprentice Hours	Total Journey Hours	Referred Apprentice Hours	Referred Journey Hours	Total Referred Hours	Referred Apprentice %	Referred Journey %	Total Referred %
HH-953 - Tesla Portal Protection	11,512	3,255	8,257	3,247	865	4,112	99.8%	10.5%	35.7%
WD-2651R Peninsula 2011 Watershe	22,245	3,135	19,111	2,372	3,343	5,715	75.7%	17.5%	25.7%
WD-2623 - Harding Park Recycled W	22,727	1,645	21,082	1,280	3,659	4,938	77.8%	17.4%	21.7%
WD-2652 Bioregional Habitat Resto	109,192	20,490	88,701	14,583	3,570	18,153	71.2%	4.0%	16.6%
HH-935C - San Joaquin Pipeline Sys	144,012	17,263	126,749	14,185	8,693	22,877	82.2%	6.9%	15.9%
WD-2555 - Crystal Springs Pipeline	127,805	12,953	114,853	12,193	7,984	20,177	94.1%	7.0%	15.8%
WD-2552 - Alameda Siphon No. 4 Pr	129,485	20,720	108,765	16,749	3,356	20,105	80.8%	3.1%	15.5%
WD-2629 Seismic Upgrade of Bay Di	135,960	21,881	114,079	16,902	4,052	20,954	77.2%	3.6%	15.4%
WD-2539 - University Mound Reser	187,032	30,350	156,682	14,817	12,647	27,463	48.8%	8.1%	14.7%
WD-2548 - Lake Merced Pump Stati	101,050	10,807	90,244	4,026	10,787	14,813	37.3%	12.0%	14.7%
WD-2627R Sutro Reservoir Rehabili	154,365	20,639	133,726	16,028	6,080	22,107	77.7%	4.5%	14.3%
WD-2641R Habitat Reserve Program	44,018	9,222	34,796	4,844	1,352	6,196	52.5%	3.9%	14.1%
WD-2640 Bioregional Habitat Resto	10,621	1,615	9,006	1,391	75	1,466	86.1%	0.8%	13.8%
WD-2665 Bay Division Pipeline Reli	21,967	1,909	20,059	1,848	1,135	2,983	96.8%	5.7%	13.6%
WD-2601 - Crystal Springs / San Anc	488,511	48,640	439,871	38,300	27,188	65,488	78.7%	6.2%	13.4%
WD-2551 Calaveras Dam Replaceme	908,103	126,456	781,648	79,341	29,293	108,634	62.7%	3.7%	12.0%
WD-2666 Bioregional Habitat Resto	23,492	1,843	21,649	778	2,039	2,817	42.2%	9.4%	12.0%
WD-2668 Regional Groundwater Stc	85,961	11,530	74,432	2,310	7,783	10,093	20.0%	10.5%	11.7%
WD-2727 Peninsula Pipeline Seismi	69,772	11,858	57,914	4,683	3,493	8,176	39.5%	6.0%	11.7%
WD-2596 - Harry Tracy Water Treatr	1,012,682	144,217	868,466	79,394	36,209	115,603	55.1%	4.2%	11.4%
WD-2591 - Lower Crystal Springs Da	98,656	8,685	89,970	6,917	4,086	11,003	79.6%	4.5%	11.2%
WD-2654R Peninsula Vegetation Re	2,136	8	2,128	-	237	237	0.0%	11.1%	11.1%
CS-936 - Advanced Meter Infrastruc	227,027	79,373	147,654	4,405	20,110	24,515	5.5%	13.6%	10.8%
WD-2513 - San Andreas Pipeline No	83,503	9,311	74,192	8,522	513	9,035	91.5%	0.7%	10.8%
WD-2556 - Baden and San Pedro Va	19,939	2,738	17,201	2,057	98	2,155	75.1%	0.6%	10.8%
WD-2575 San Antonio Backup Pipel	75,263	12,460	62,803	4,228	3,127	7,355	33.9%	5.0%	9.8%
WD-2622 San Francisco Groundwater	17,782	2,092	15,690	261	1,429	1,690	12.5%	9.1%	9.5%
WD-2531 - Bay Division Pipelines Re	574,410	31,602	542,808	27,311	26,382	53,693	86.4%	4.9%	9.3%
WD-2542 - Bay Division Pipeline No	288,044	26,210	261,834	20,197	4,770	24,967	77.1%	1.8%	8.7%
HH-935B - San Joaquin Pipeline Sys	100,492	9,304	91,188	5,797	1,923	7,719	62.3%	2.1%	7.7%
WD-2582 - Sunol Valley Water Treat	462,447	68,616	393,832	27,121	8,277	35,398	39.5%	2.1%	7.7%
WD-2469 - Forest Knolls Pump Stati	26,553	2,907	23,646	1,961	32	1,993	67.5%	0.1%	7.5%
WD-2504 - Stanford Heights Reserv	74,300	9,891	64,409	1,336	4,241	5,577	13.5%	6.6%	7.5%
WD-2541 - Bay Division Pipeline No	208,255	20,196	188,059	10,927	3,718	14,645	54.1%	2.0%	7.0%
DB-116 - Tesla Treatment Facility	141,910	26,991	114,920	7,450	1,884	9,334	27.6%	1.6%	6.6%
WD-2581 - New Irvington Tunnel	730,496	51,750	678,746	35,505	12,420	47,925	68.6%	1.8%	6.6%
WD-2529 - Noe Valley Transmissior	22,511	1,133	21,378	1,133	263	1,396	100.0%	1.2%	6.2%
WD-2566 - San Antonio Pump Statio	14,916	1,798	13,119	931	-	931	51.8%	0.0%	6.2%
WD-2501 - Alemany Pump Station	74,085	7,625	66,460	3,275	1,175	4,450	43.0%	1.8%	6.0%
WD-2573 - Pulgas Balancing Reserve	50,367	7,817	42,550	1,458	1,282	2,740	18.6%	3.0%	5.4%
WD-2543 - North University Mound	53,265	2,998	50,268	2,550	106	2,656	85.1%	0.2%	5.0%
WD-2600 Regional Groundwater Stc	6,088	296	5,792	296	-	296	100.0%	0.0%	4.9%
HH-935A - San Joaquin Pipeline Sys	84,483	9,009	75,474	3,595	422	4,017	39.9%	0.6%	4.8%
WD-2568 - BDPL Nos. 3&4 Crossove	47,910	4,538	43,373	2,020	185	2,205	44.5%	0.4%	4.6%
WD-2564 - Harry Tracy Water Treatr	43,049	2,089	40,961	1,329	183	1,512	63.6%	0.4%	3.5%
HH-914R - Roselle Crossover Improv	12,859	1,943	10,917	256	32	288	13.2%	0.3%	2.2%
WD-2498 - New Crystal Springs Byp	117,860	17,612	100,248	319	291	610	1.8%	0.3%	0.5%
WD-2621R San Francisco Groundwa	22,439	2,576	19,863	90	8	98	3.5%	0.0%	0.4%
WD-2511 - Standby Power Facilities	11,275	626	10,649	-	4	4	0.0%	0.0%	0.0%
WD-2589 - Supervisory Control and	1,498	115	1,383	-	-	-	0.0%	0.0%	0.0%
WD-2729 Fish Passage Facilities Wif	-	-	-	-	-	-	0.0%	0.0%	0.0%
Total WSIP PLA	7,504,329	942,728	6,561,601	510,509	270,794	781,303	54.2%	4.1%	10.4%

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The following chart summarizes *Referred and Non-referred Apprentices Quarterly Hours Earned* on all WSIP PLA-covered projects over the past eight quarters. As the WSIP PLA program continues to near completion there are fewer opportunities to refer workers to the projects and less hours worked overall. With 2,599 referred hours during the quarter, referred apprentices represented one-fifth of the Apprentice Hours this quarter.



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Substance Abuse Prevention

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

13,579 pre-employment tests have been administered as of June 30, 2016 to people who were cleared to work. 176 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 **1.3%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Enterprise. The chart is on the next page.

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WSIP - Covered by PLA (50 Projects + AMI) Substance Abuse Testing Summary	
Tests Administered to Individuals Cleared to Work Through 06/30/2016	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,401
WD-2551 Calaveras Dam Replacement Project	1,284
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	651
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	531
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	509
WD-2501 - Alemany Pump Station	375
DB-116 - Tesla Treatment Facility	374
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities	335
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	319
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	305
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-2668 Regional Groundwater Storage and Recovery	144
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-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-2621R San Francisco Groundwater Supply Well Stations	70
WD-2623 - Harding Park Recycled Water Project	65
WD-2651R Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Skylin	63
WD-2727 Peninsula Pipeline Seismic Upgrade	61
HH-953 - Tesla Portal Protection	59
WD-2543 - North University Mound System Upgrade	55
WD-2529 - Noe Valley Transmission Main - Phase II	47
WD-2665 Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Microtunnel	43
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 Grasslands	23
WD-2600 Regional Groundwater Storage and Recovery Project- Test Well Drilling	22
WD-2622 San Francisco Groundwater Supply Pipeline	22
WD-2654R Peninsula Vegetation Removal	17
WD-2640 Bioregional Habitat Restoration	-
Total Cleared	13,579

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Legislative History of the WSIP PLA

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

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

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

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

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

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

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Governance

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

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

Pre-Job Conferences and Jurisdictional Disputes

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

Web-Based Labor Compliance Program

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