



HETCH HETCHY

WATER SYSTEM **IMPROVEMENT** PROGRAM

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

## **Quarterly Report Quarter Ended September 30, 2014 (First Quarter FY 2014-2015)**

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San Francisco Public Utilities Commission  
Water System Improvement Program Project Labor Agreement  
Quarterly Report – First Quarter 2014-2015

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**Executive Summary**

Since it was adopted on March 16, 2007 the WSIP 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. Forty-Seven WSIP contracts awarded subject to the WSIP PLA in the amount of \$1.945 billion through September 30, 2014.

Construction Activity Highlights – Program-to-Date

**Contracting:**

- Forty-Seven (47) construction contracts with a value of \$1.945 Billion have been awarded subject to the WSIP PLA.

**Employment:**

- Since inception, 11,475 construction workers were employed for 6,530,398 hours and earned wages of \$252,158,366 on WSIP PLA-covered projects.
- 932 San Francisco residents worked 471,069 hours and earned \$17,360,862 on WSIP PLA-Covered Projects representing 7.2% of covered hours and 226 full-time equivalent worker years.
- The SFPUC Regional Service Territory consists of seven zip codes outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. 4,907 residents of the Service Territory earned wages of \$100,523,439 and worked 2,661,092 hours, representing 40.7% of covered hours and 1,279 full-time equivalent worker years.
- 12,141 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of September 30, 2013. 160 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

<b>Water System Improvement Program- Project Labor Agreement</b>				
Employment Summary by Worker Residence and PLA Coverage				
Region	Inception Through September 30, 2014			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
SF Residents	932	471,069	\$ 17,360,862	226
SFPUC Service Territory Residents	4,907	2,661,092	\$ 100,523,439	1,279
Outside Residents	5,883	3,398,237	\$ 133,255,600	1,634
All Workers	11,475	6,530,398	\$ 252,158,366	3,140

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Construction Activity Highlights – Quarter Ended September 30, 2014

**Contracting:**

- No contracts were awarded during the reporting period.

**Employment:**

- 1,011 construction workers were employed for 221,729 hours and earned wages of \$8,885,260 on WSIP PLA-Covered projects.
- 68 San Francisco residents worked 11,059 hours and earned wages of \$392,921 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 the Quarter, 393 residents of the Service Territory worked 87,932 hours and earned wages of \$3,403,580 on WSIP PLA-Covered projects.
- 361 negative pre-employment substance abuse tests were administered under the provisions of the WSIP PLA Substance Abuse Policy and six (1.6%) individuals were prevented from working as the result of a positive test.

**Summary of Craft Worker Employment**

<b>Water System Improvement Program- Project Labor Agreement</b>				
Employment Summary by Worker Residence and PLA Coverage				
Region	Three Months Ending September 30, 2014			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
SF Residents	68	11,059	\$ 392,921	5
SFPUC Service Territory Residents	393	87,932	\$ 3,403,580	42
Outside Residents	557	122,737	\$ 5,088,759	59
All Workers	1,011	221,729	\$ 8,885,260	107

\*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 and dividing that 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**

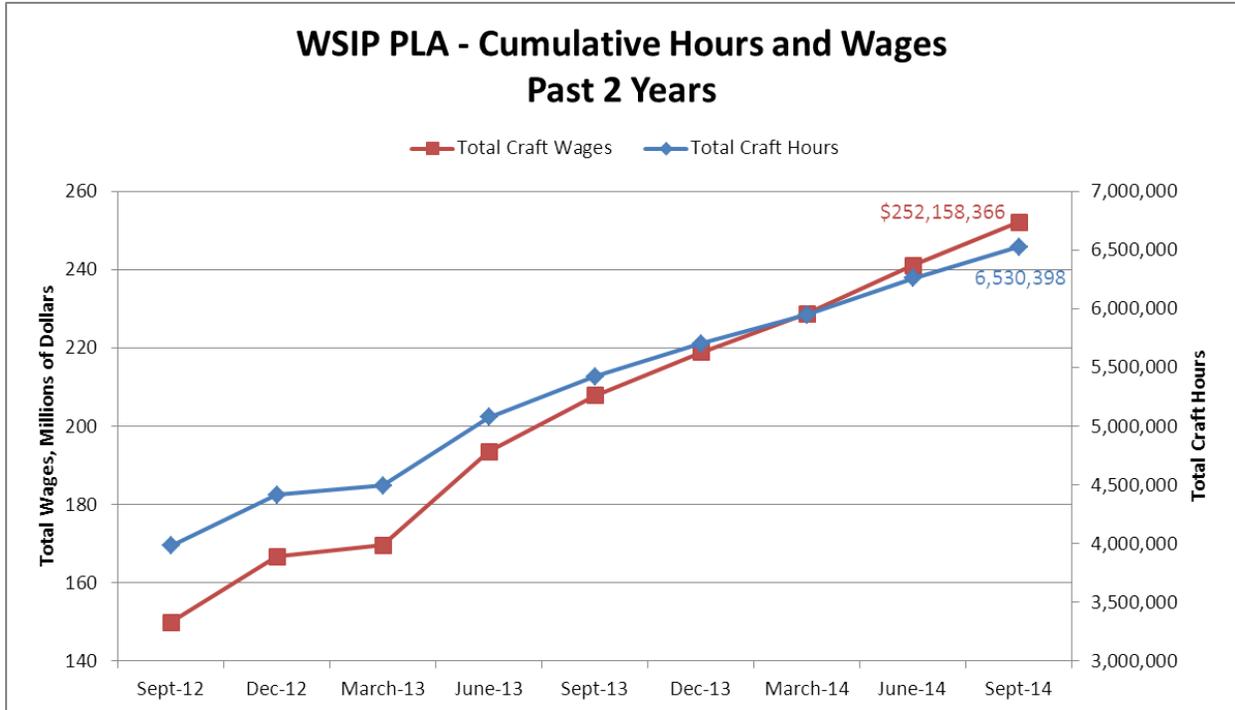
Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through September 30, 2014					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	8,676,685
01/28/14	WD-2727	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 Poi	\$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	\$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
<b>Total 47 Projects</b>					<b>\$ 1,945,297,609</b>

\* indicates project located in San Francisco

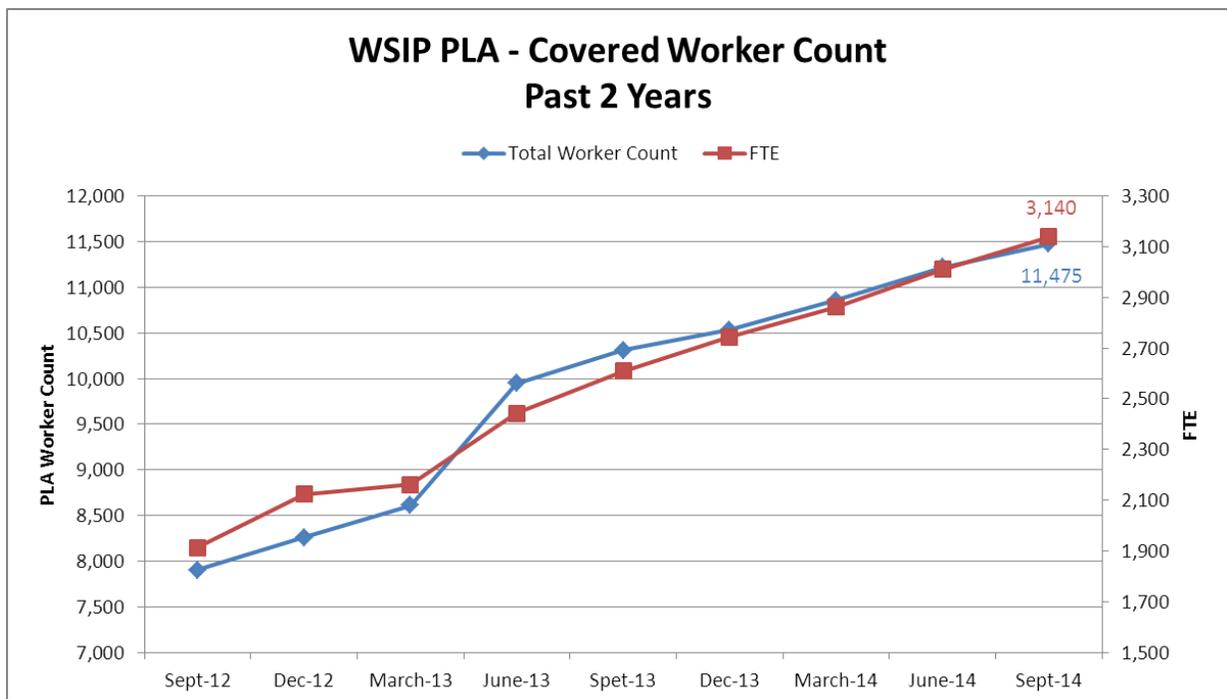
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**Summary Charts**

From inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ended September 30, 2014, 11,475 workers on WSIP PLA-covered projects have achieved a cumulative total of 6,530,398 craft hours and \$252,158,366 in craft wages.

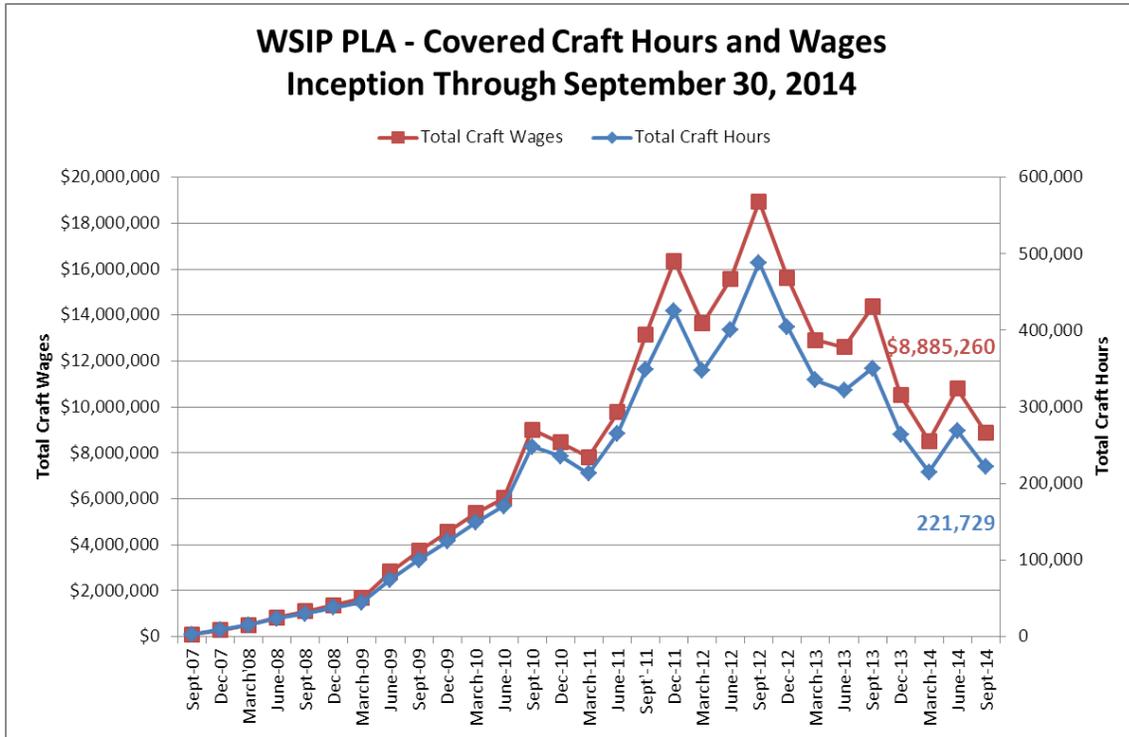


The tables below describe the progressive accumulation of these totals over the past two years.

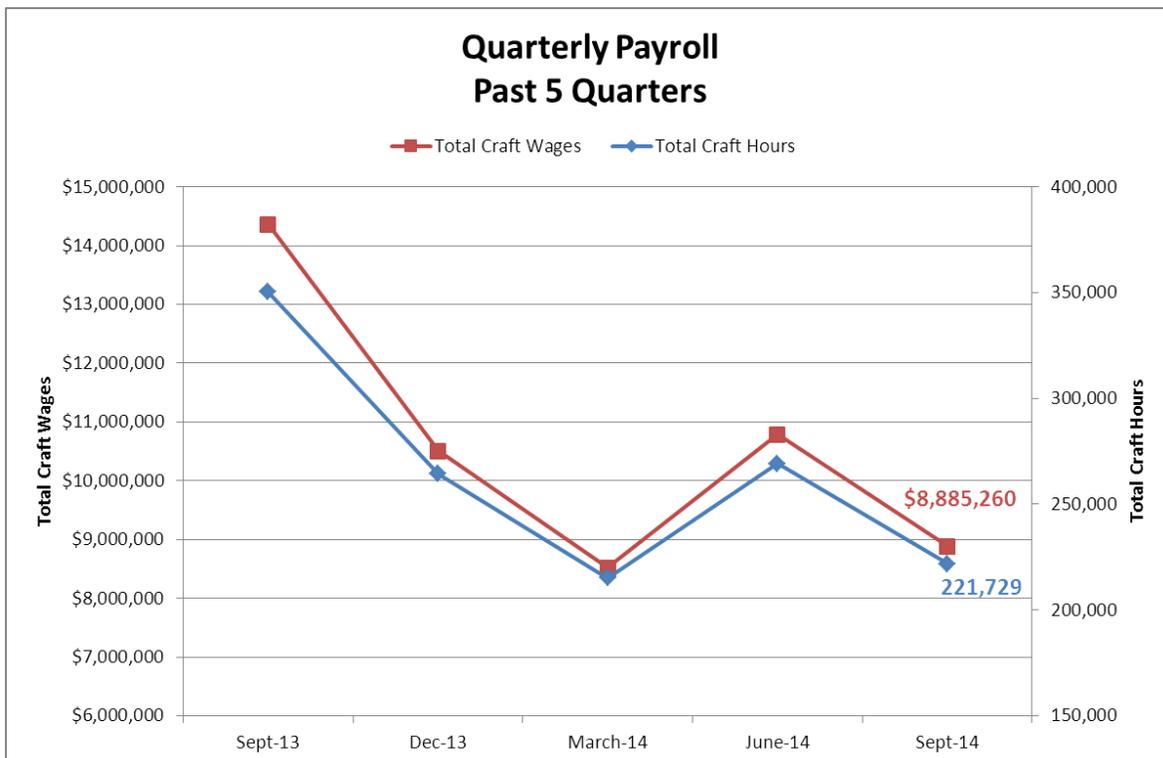


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The chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 80% total completion, Craft Hours have begun to and will continue to trend down until total completion.



This chart (below) represents a close up of the one above representing just the last year.



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

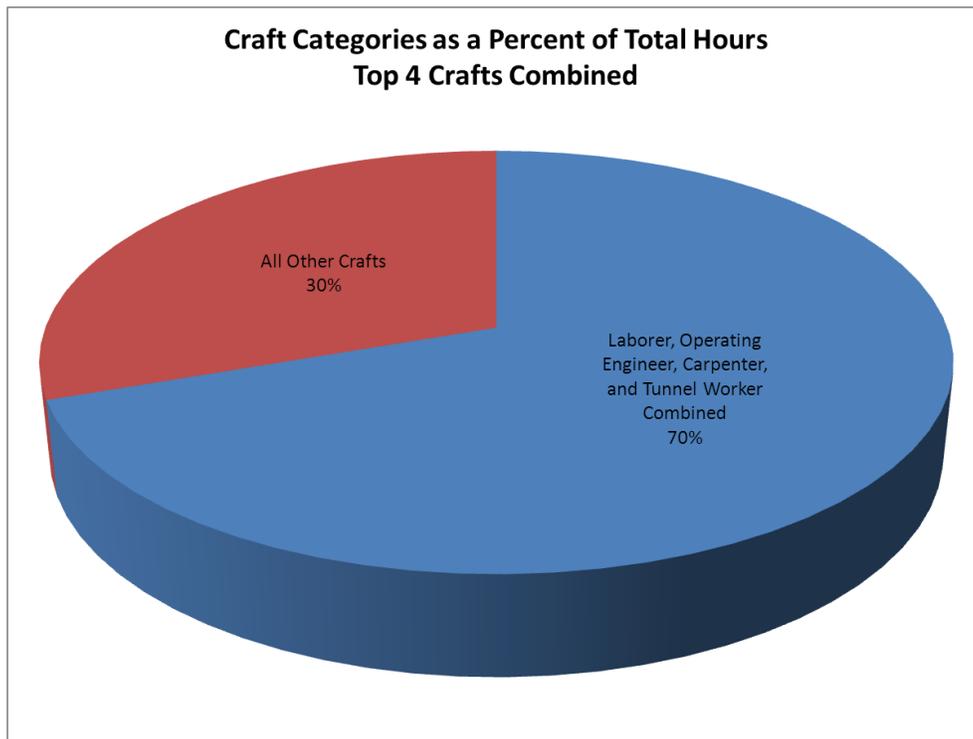
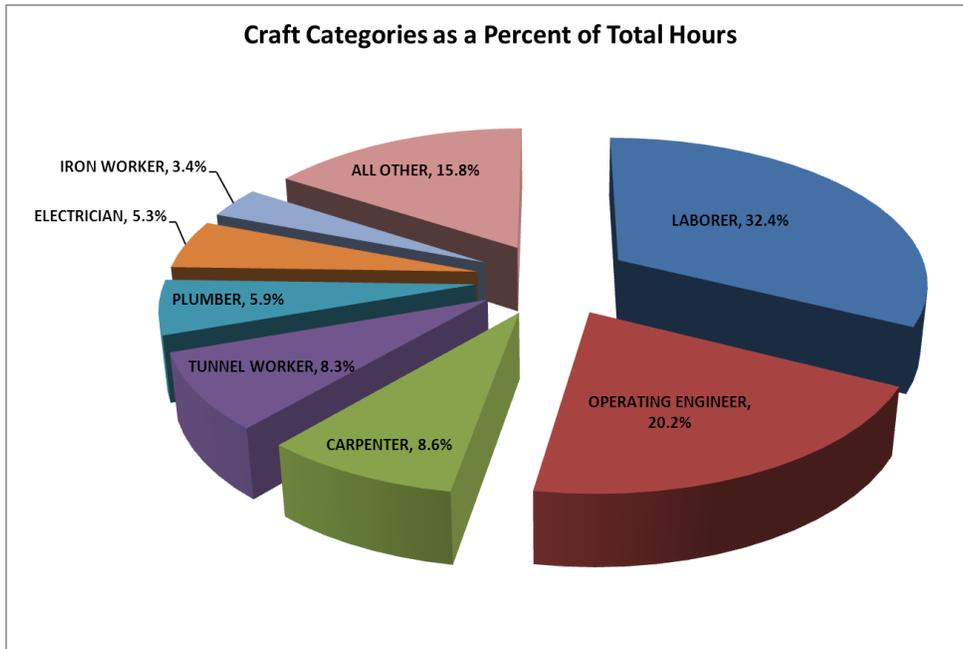
As of September 30, 2014, contractors reported craft hours in 54 craft worker classifications which the SFPUC summarizes into 32 craft areas.

Illustrated here and in the following pages Laborers, Operators, 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 wholly performed by plumbers.

<b>Cumulative Employment by Craft</b>					
Inception Through September 30, 2014					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
LABORER	2,109,774	\$ 63,166,430	32.4%	25.1%	1,014
OPERATING ENGINEER (Combined)	1,316,323	\$ 51,957,449	20.2%	20.7%	633
CARPENTER AND RELATED TRADES	562,197	\$ 23,078,746	8.6%	9.2%	270
TUNNEL WORKER (LABORER)	539,651	\$ 22,618,682	8.3%	9.0%	259
PLUMBER	384,356	\$ 17,977,448	5.9%	7.2%	185
ELECTRICIAN	346,302	\$ 17,855,529	5.3%	7.1%	166
IRON WORKER	219,699	\$ 7,388,422	3.4%	2.9%	106
<b>Top 7 Sub-Total</b>	<b>5,478,302</b>	<b>\$ 204,042,706</b>	<b>84.2%</b>	<b>81.2%</b>	<b>2,634</b>
PILE DRIVER (CARPENTER)	149,850	\$ 7,952,174	2.3%	3.2%	72
PAINTER	116,427	\$ 4,368,535	1.8%	1.7%	56
BOILERMAKER-BLACKSMITH	106,061	\$ 5,129,214	1.6%	2.0%	51
CEMENT MASON	97,192	\$ 3,368,630	1.5%	1.3%	47
BUILDING/CONSTRUCTION INSPECTOR	47,982	\$ 1,940,728	0.7%	0.8%	23
ROOFER	41,782	\$ 1,429,697	0.6%	0.6%	20
FIELD SURVEYOR	18,946	\$ 770,601	0.3%	0.3%	9
SHEET METAL WORKER	12,671	\$ 587,763	0.2%	0.2%	6
DRYWALL INSTALLER/LATHER (CARPENTER)	10,239	\$ 428,560	0.2%	0.2%	5
BRICKLAYER, BLOCKLAYER	7,828	\$ 301,314	0.1%	0.1%	4
ELECTRICAL UTILITY LINEMAN	6,310	\$ 382,170	0.1%	0.2%	3
GLAZIER	3,763	\$ 158,938	0.1%	0.1%	2
PLASTERER	2,618	\$ 86,520	0.0%	0.0%	1
BRICK TENDER	755	\$ 25,642	0.0%	0.0%	0
PARKING AND HIGHWAY IMPROVEMENT	696	\$ 22,438	0.0%	0.0%	0
PLASTER TENDER	693	\$ 22,665	0.0%	0.0%	0
ASBESTOS WORKER, HEAT AND FROST INSULATION	507	\$ 28,166	0.0%	0.0%	0
CARPET, LINOLEUM, SOFT FLOOR LAYER	302	\$ 13,681	0.0%	0.0%	0
TILE SETTER	282	\$ 10,364	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
<b>Remaining Apprenticesable Sub-Total</b>	<b>625,795</b>	<b>\$ 27,067,764</b>	<b>9.6%</b>	<b>10.8%</b>	<b>301</b>
<b>Total Non-Apprenticesable</b>	<b>401,619</b>	<b>\$ 20,053,339</b>	<b>6.1%</b>	<b>8.0%</b>	<b>193</b>
<b>Total WSIP - Covered by PLA</b>	<b>6,530,398</b>	<b>\$ 252,158,366</b>	<b>100.0%</b>	<b>100.0%</b>	<b>3,140</b>

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This chart summarizes WSIP PLA– covered craft employment for trades with the largest number of craft hours as of September 30, 2014. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 69.5% of craft hours worked on PLA-Covered Projects.



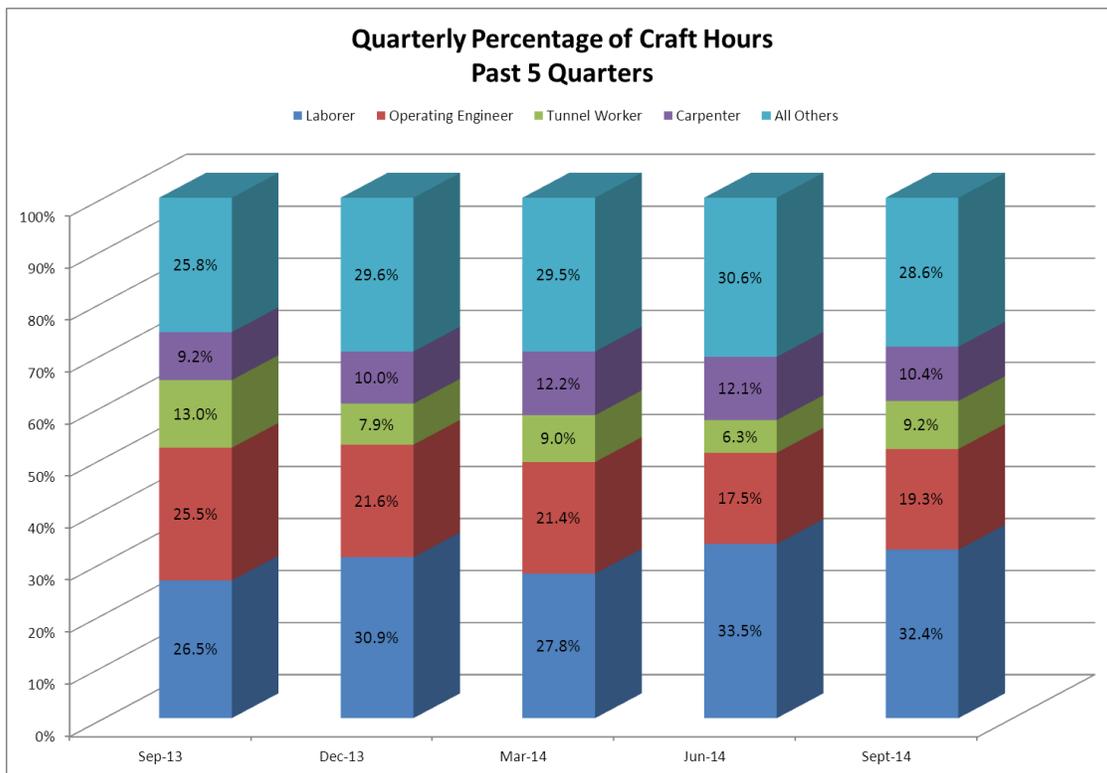
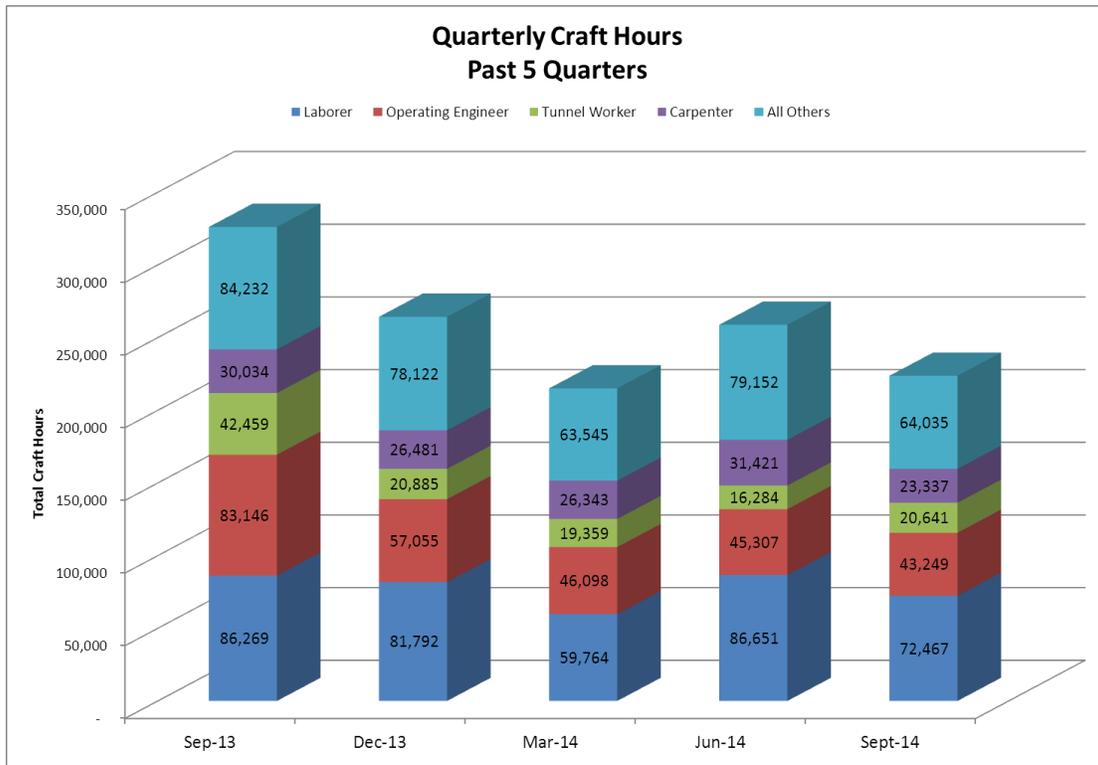
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and the latest reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 9-30-2014 Hours	Quarter Ending 9-30-2014 Wages
LABORER	2,109,774	\$ 63,166,430	72,467	\$ 2,274,052
OPERATING ENGINEER	428,470	\$ 15,708,301	14,976	\$ 535,974
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)	833,992	\$ 34,002,404	27,058	\$ 1,185,066
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,034	\$ 84,505		
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	51,828	\$ 2,162,238		
<b>OPERATING ENGINEER (COMBINED)</b>	<b>1,316,323</b>	<b>\$ 51,957,449</b>	<b>42,034</b>	<b>\$ 1,721,040</b>
CARPENTER AND RELATED TRADES	562,197	\$ 23,078,746	23,337	\$ 1,003,794
TUNNEL WORKER (LABORER)	539,651	\$ 22,618,682	20,641	\$ 920,391
PLUMBER	384,356	\$ 17,977,448	6,175	\$ 338,384
ELECTRICIAN	346,302	\$ 17,855,529	14,641	\$ 841,717
IRON WORKER	219,699	\$ 7,388,422	8,040	\$ 260,027
PILE DRIVER (CARPENTER)	149,850	\$ 7,952,174	5,069	\$ 328,347
PAINTER	116,427	\$ 4,368,535	8,810	\$ 343,846
BOILERMAKER-BLACKSMITH	106,061	\$ 5,129,214	202	\$ 9,735
CEMENT MASON	97,192	\$ 3,368,630	5,001	\$ 174,299
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND	47,982	\$ 1,940,728	934	\$ 36,220
ROOFER	41,782	\$ 1,429,697	877	\$ 27,917
FIELD SURVEYOR	18,946	\$ 770,601	162	\$ 6,475
SHEET METAL WORKER	12,671	\$ 587,763	607	\$ 32,797
DRYWALL INSTALLER/LATHER (CARPENTER)	10,239	\$ 428,560	506	\$ 19,802
BRICKLAYER, BLOCKLAYER	7,828	\$ 301,314	1,273	\$ 47,112
ELECTRICAL UTILITY LINEMAN	6,310	\$ 382,170		
GLAZIER	3,763	\$ 158,938		
PLASTERER	2,618	\$ 86,520	214	\$ 6,154
BRICK TENDER	755	\$ 25,642	94	\$ 2,943
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	696	\$ 22,438		
PLASTER TENDER	693	\$ 22,665		
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166		
CARPET, LINOLEUM, SOFT FLOOR LAYER	302	\$ 13,681		
TILE SETTER	282	\$ 10,364		
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		
<b>Non-Apprenticeable</b>				
TEAMSTER	106,767	\$ 4,906,172	3,516	\$ 116,772
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	87,148	\$ 6,284,978	711	\$ 51,553
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK) (SPECI	81,407	\$ 3,718,106	5,118	\$ 253,675
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND	77,162	\$ 3,462,586	836	\$ 41,243
ASBESTOS REMOVAL WORKER (LABORER)	17,057	\$ 431,301	28	\$ 602
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND	13,146	\$ 582,242		
WATER WELL DRILLER	12,304	\$ 453,830		
TREE TRIMMER (HIGH VOLTAGE LINE CLEARANCE)	1,422	\$ 36,006		
TELECOMMUNICATIONS TECHNICIAN	1,160	\$ 37,245		
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	851	\$ 30,637	11	\$ 350
DREDGER OPERATING ENGINEER	831	\$ 33,307		
LANDSCAPE MAINTENANCE LABORER	795	\$ 20,677		
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	\$ 24,481		
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER - H	282	\$ 12,787		
SLURRY SEAL WORKER	271	\$ 6,316		
PARKING AND HIGHWAY IMPROVEMENT PAINTER (PAINTER)	252	\$ 8,134		
IRONWORKER (DB)	80	\$ 2,772		
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	40	\$ 1,470	1,215	\$ 50,744
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	\$ 291		
<b>Total WSIP - Covered by PLA</b>	<b>6,530,398</b>	<b>\$ 252,158,366</b>	<b>222,513</b>	<b>\$ 8,909,992</b>

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

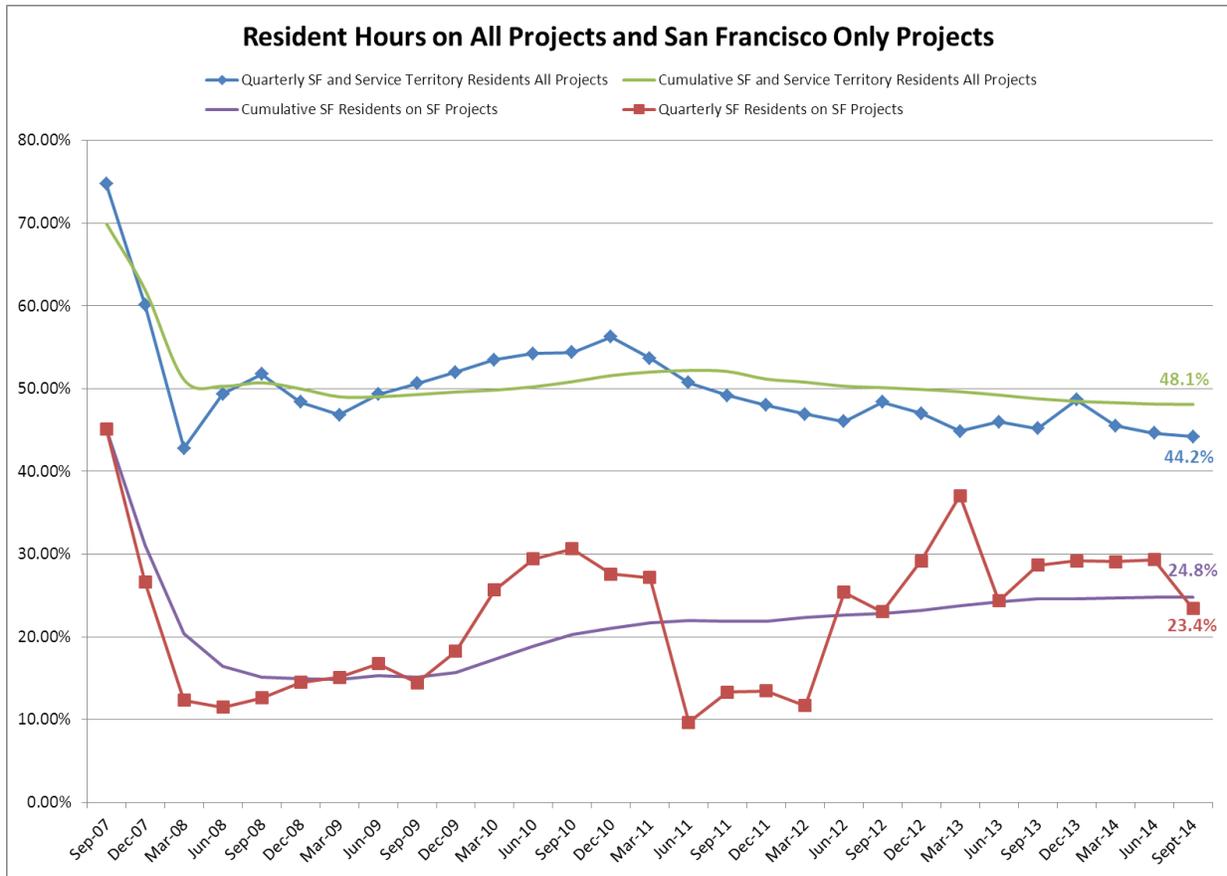


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**Worker Residence on the WSIP PLA**

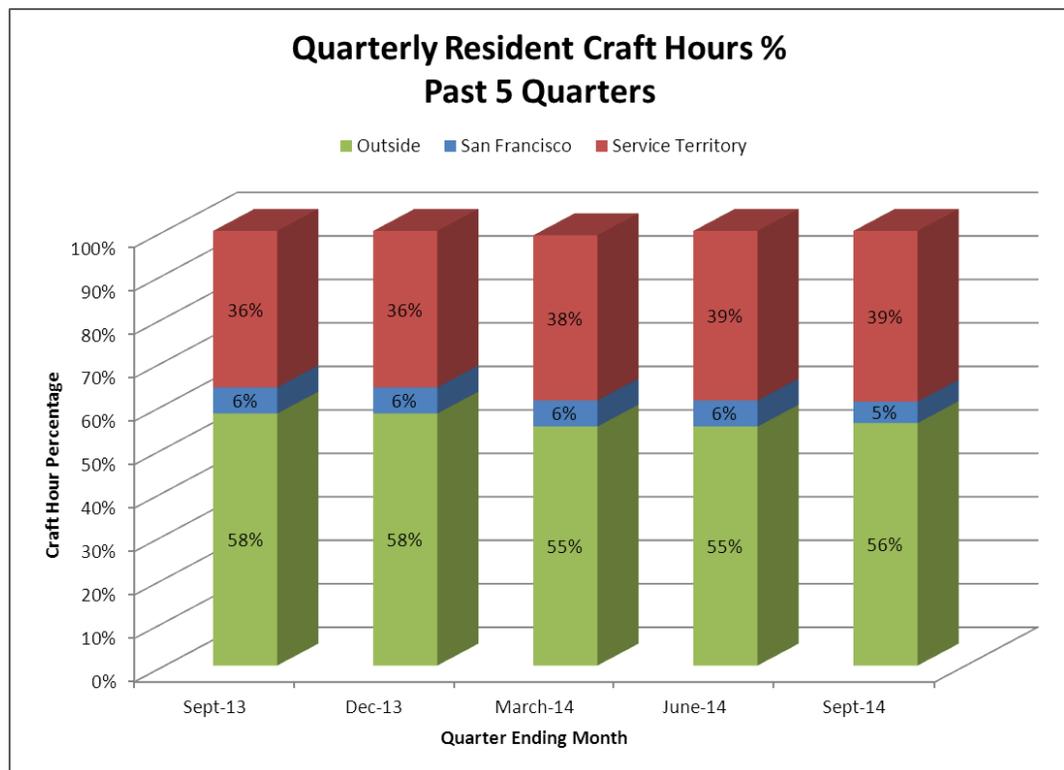
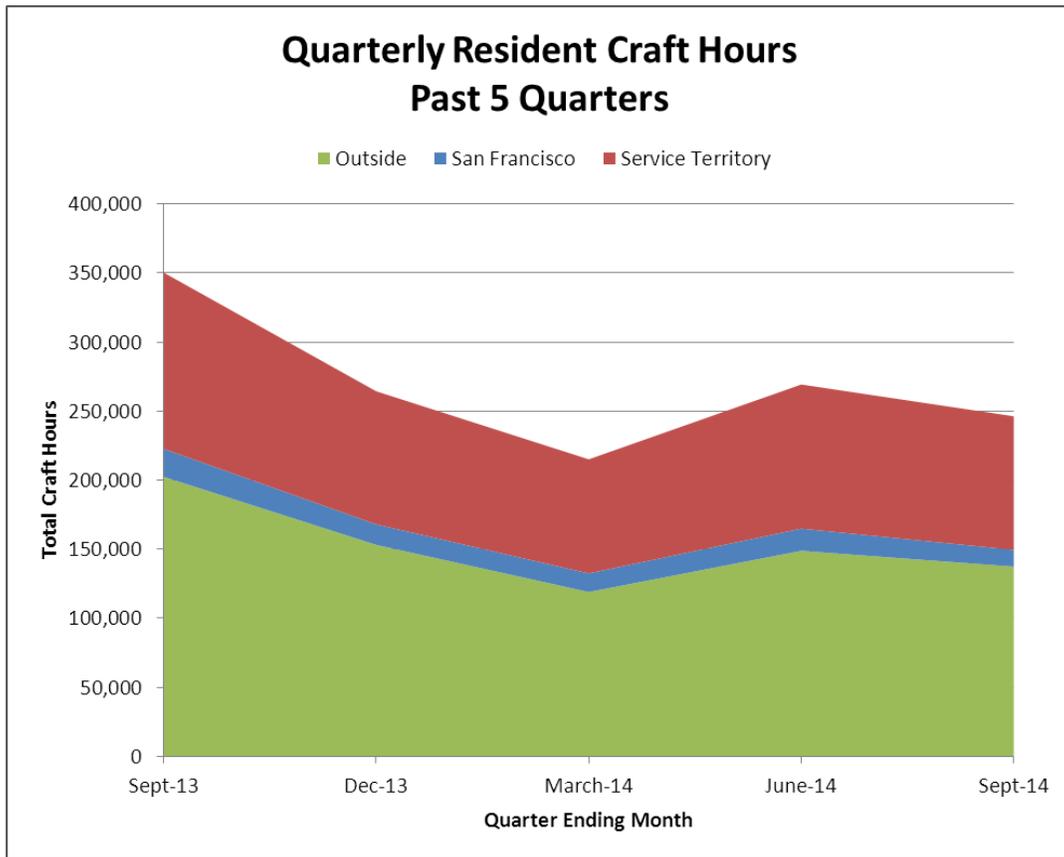
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, plus zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Service Territory on projects covered by the WSIP PLA through September 30, 2014.



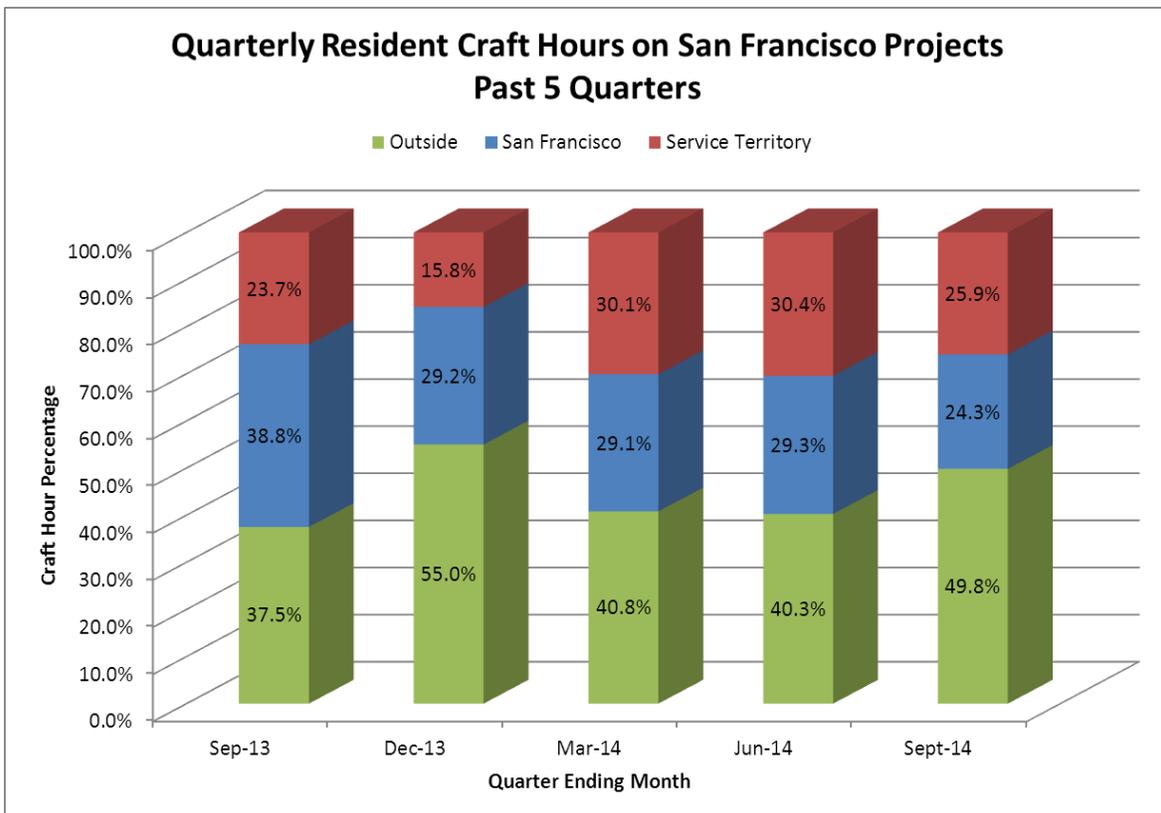
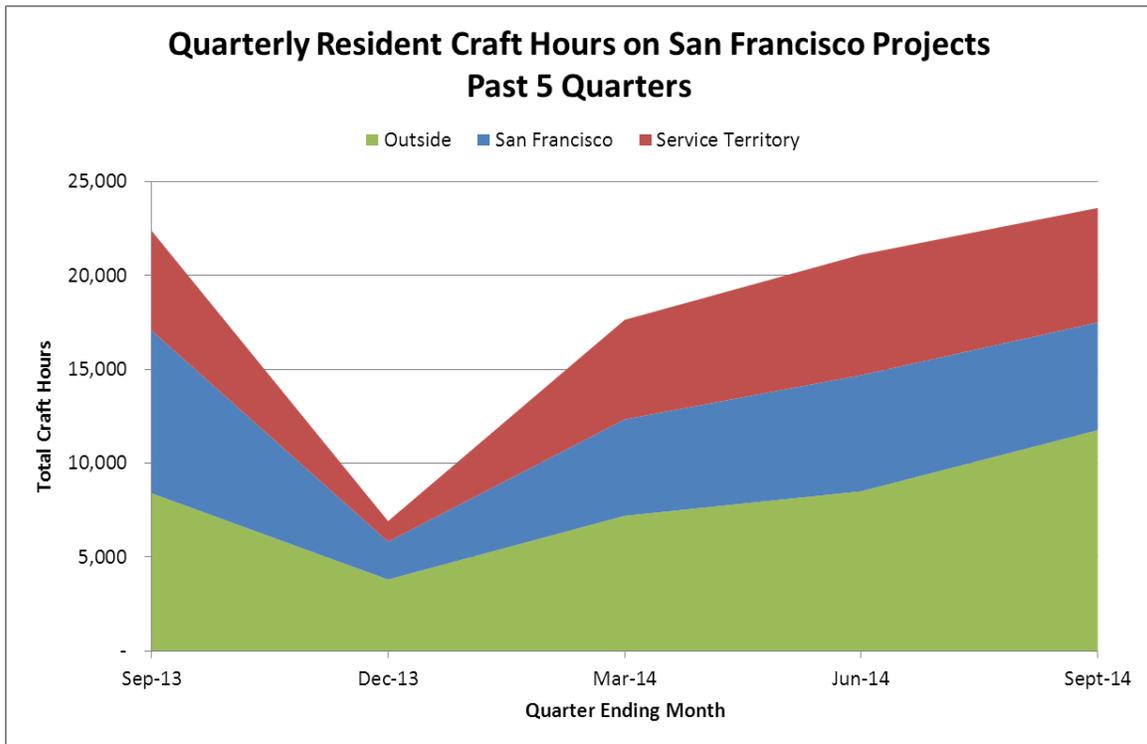
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**Residence on All WSIP PLA Projects**-The total 47 projects covered under the WSIP PLA within San Francisco and the Service Territory.



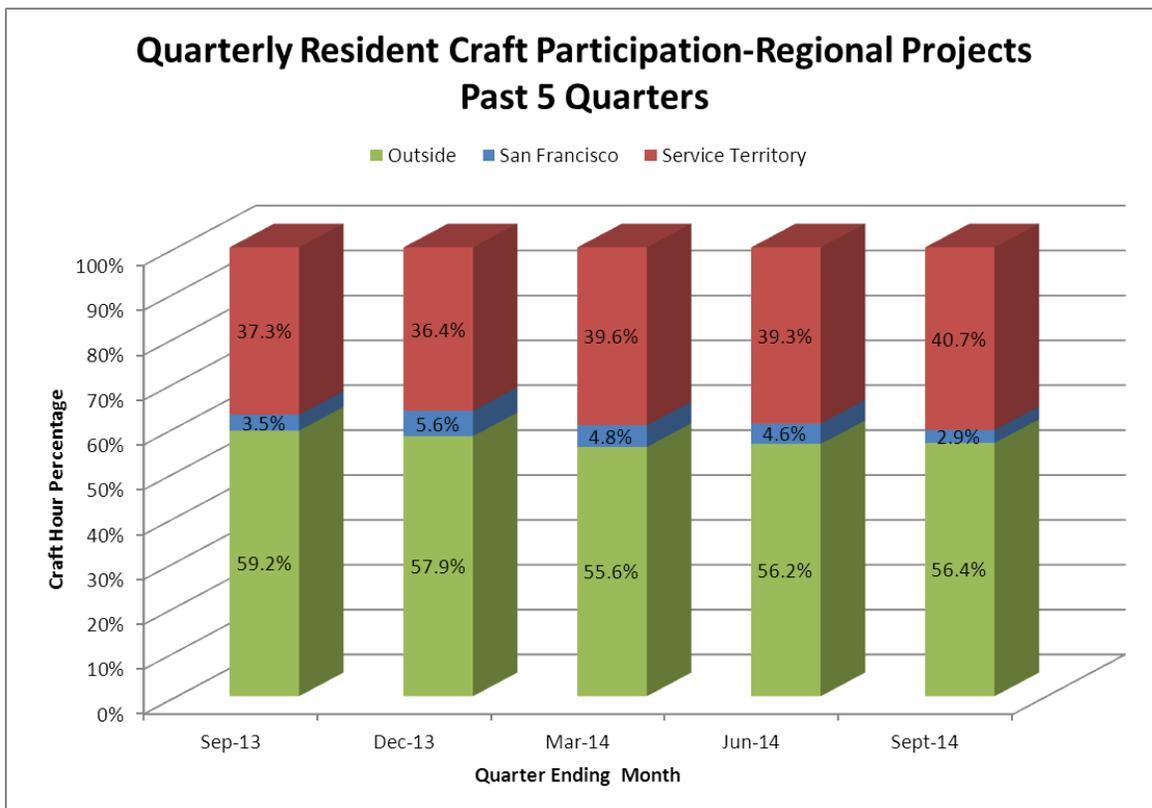
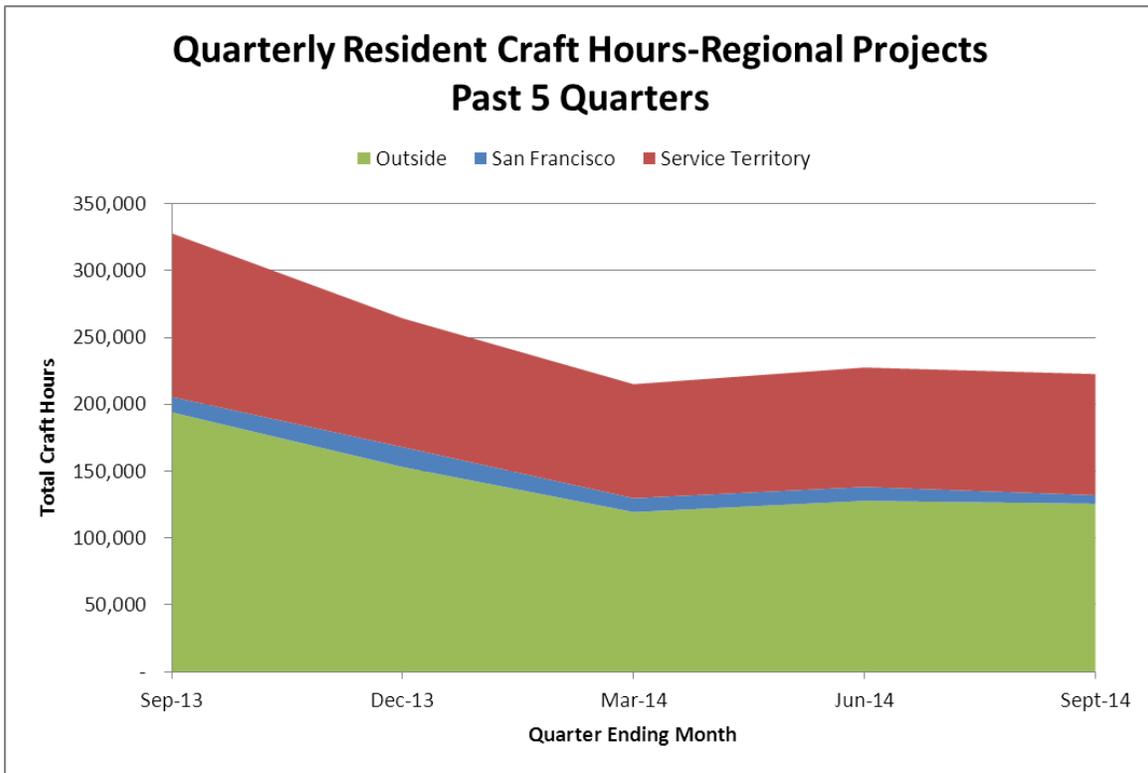
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**Residence on San Francisco located WSIP PLA Projects**-The 12 projects covered by the WSIP PLA located within San Francisco only.



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**Residence on Regionally-located WSIP PLA Projects**-The 35 projects covered by the WSIP PLA located within the Service Territory.



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**Residence by County**

<b>WSIP-PLA Employment by Top 20 Counties of Residence</b>					
Inception Through September 30, 2014					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda	1,115,911	\$ 40,998,160	17.1%	3,232	536
Contra Costa	871,613	\$ 33,346,712	13.3%	2,361	419
San Mateo	675,765	\$ 26,311,534	10.3%	1,412	325
San Joaquin	607,029	\$ 22,139,043	9.3%	1,375	292
San Francisco	474,804	\$ 17,487,251	7.3%	1,216	228
Santa Clara	371,434	\$ 15,114,520	5.7%	1,452	179
Solano	311,048	\$ 12,057,969	4.8%	921	150
Stanislaus	271,614	\$ 9,671,450	4.2%	636	131
Sacramento	271,103	\$ 10,347,257	4.2%	603	130
Butte	170,609	\$ 6,633,295	2.6%	130	82
Sonoma	142,668	\$ 5,650,027	2.2%	360	69
Calaveras	80,758	\$ 3,486,899	1.2%	92	39
Tuolumne	77,848	\$ 2,923,042	1.2%	93	37
Los Angeles	62,121	\$ 2,607,246	1.0%	142	30
Clark	60,562	\$ 2,659,396	0.9%	62	29
Yolo	59,416	\$ 2,269,328	0.9%	106	29
Placer	58,843	\$ 2,278,838	0.9%	128	28
El Dorado	52,029	\$ 2,006,310	0.8%	117	25
Napa	51,813	\$ 2,239,758	0.8%	99	25
Riverside	51,184	\$ 2,234,418	0.8%	122	25
<b>Top 20 Counties by Hours</b>	<b>5,838,173</b>	<b>\$ 222,462,452</b>	<b>89.5%</b>	<b>14,659</b>	<b>2,807</b>
All Other Counties	692,225	29,695,914	10.5%	1,477	333
<b>WSIP-PLA Total</b>	<b>6,530,398</b>	<b>\$ 252,158,366</b>	<b>100%</b>	<b>16,136</b>	<b>3,140</b>

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**San Francisco Residents by Zip Code**

<b>Employment by San Francisco Zip Code</b>					
Inception Through September 30, 2014					
San Francisco County Zip Code	Total Workers				
	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
94112	84,030	\$ 2,911,297	17.7%	208	40
94110	70,161	\$ 2,381,536	14.8%	170	34
94124	67,369	\$ 2,555,587	14.2%	216	32
94116	50,983	\$ 2,426,960	10.7%	99	25
94134	40,624	\$ 1,224,299	8.6%	122	20
94122	24,336	\$ 1,078,278	5.1%	59	12
94121	23,536	\$ 931,700	5.0%	52	11
94103	19,614	\$ 594,568	4.1%	39	9
94127	18,497	\$ 665,234	3.9%	22	9
94118	8,145	\$ 398,636	1.7%	20	4
94102	8,031	\$ 361,254	1.7%	16	4
94117	7,840	\$ 194,622	1.7%	18	4
94132	7,470	\$ 300,945	1.6%	31	4
94131	7,343	\$ 278,708	1.5%	19	4
94107	7,316	\$ 274,165	1.5%	25	4
94133	4,622	\$ 165,037	1.0%	13	2
94114	4,306	\$ 166,778	0.9%	14	2
94164	3,451	\$ 98,256	0.7%	2	2
94109	3,355	\$ 98,640	0.7%	19	2
94108	3,173	\$ 67,895	0.7%	6	2
94130	3,106	\$ 65,942	0.7%	9	1
94115	1,609	\$ 48,052	0.3%	21	1
94188	1,391	\$ 33,477	0.3%	5	1
94142	1,300	\$ 57,048	0.3%	6	1
94111	661	\$ 14,669	0.1%	4	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
94166	191	\$ 14,325	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
<b>San Francisco Total</b>	<b>474,804</b>	<b>\$ 17,487,251</b>	<b>100%</b>	<b>1,232</b>	<b>228</b>
<b>WSIP-PLA Total</b>	<b>6,530,398</b>	<b>\$ 252,158,366</b>	<b>100%</b>	<b>16,136</b>	<b>3,139</b>

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**Residence by Craft**

Cumulative Employment of Residents By Craft							
Inception Through September 30, 2014							
Craft	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)	838,076	16,321	329,056	492,700	2.0%	39.3%	58.8%
CARPENTER AND RELATED TRADES	565,196	71,581	236,671	256,945	12.7%	41.9%	45.5%
TUNNEL WORKER (LABORER)	542,391	9,829	220,518	312,044	1.8%	40.7%	57.5%
OPERATING ENGINEER	429,992	39,298	148,096	242,598	9.1%	34.4%	56.4%
PLUMBER	385,942	79,821	126,733	179,387	20.7%	32.8%	46.5%
ELECTRICIAN	346,350	21,115	207,539	117,696	6.1%	59.9%	34.0%
IRON WORKER	219,816	18,219	81,445	120,152	8.3%	37.1%	54.7%
PILE DRIVER (CARPENTER)	149,988	6,321	40,342	103,324	4.2%	26.9%	68.9%
PAINTER	116,427	5,710	11,876	98,842	4.9%	10.2%	84.9%
BOILERMAKER-BLACKSMITH	106,223	48	21,187	84,988	0.1%	20.0%	80.0%
CEMENT MASON	98,010	5,326	43,258	49,426	5.4%	44.1%	50.4%
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	51,828	499	8,545	42,784	1.0%	16.5%	82.6%
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SUPERVISOR	47,982	5,625	7,577	34,780	11.7%	15.8%	72.5%
ROOFER	41,814	2,184	21,998	17,632	5.2%	52.6%	42.2%
FIELD SURVEYOR	18,946	1,334	3,717	13,895	7.0%	19.6%	73.3%
SHEET METAL WORKER	12,719	415	8,498	3,807	3.3%	66.8%	29.9%
DRYWALL INSTALLER/LATHER (CARPENTER)	10,239	1,140	2,115	6,984	11.1%	20.7%	68.2%
BRICKLAYER, BLOCKLAYER	7,855	82	4,209	3,565	1.0%	53.6%	45.4%
ELECTRICAL UTILITY LINEMAN	6,310		195	6,116		3.1%	96.9%
GLAZIER	3,763	958	1,024	1,782	25.4%	27.2%	47.4%
PLASTERER	2,618	1,110	496	1,013	42.4%	18.9%	38.7%
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,034	47	887	1,100	2.3%	43.6%	54.1%
BRICK TENDER	773	287	19	467	37.1%	2.5%	60.4%
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	696		370	326		53.2%	46.8%
PLASTER TENDER	693	616	77		88.9%	11.1%	
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507		197	310		38.9%	61.1%
CARPET, LINOLEUM, SOFT FLOOR LAYER	302	6	57	239	2.0%	18.9%	79.1%
TILE SETTER	282		280	2		99.3%	0.7%
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%	
<b>Total Apprenticable</b>	<b>4,008,661</b>	<b>287,889</b>	<b>1,527,398</b>	<b>2,193,374</b>	<b>7.2%</b>	<b>38.1%</b>	<b>54.7%</b>
LABORER	2,118,272	159,508	921,450	1,037,314	7.5%	43.5%	49.0%
<b>Non-Apprenticable</b>							
TEAMSTER	107,135	9,023	57,166	40,946	8.4%	53.4%	38.2%
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION)	87,294	13,346	58,511	15,437	15.3%	67.0%	17.7%
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)	81,934		34,172	47,762		41.7%	58.3%
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY)	77,162	70	44,357	32,735	0.1%	57.5%	42.4%
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		29.3%	70.7%
WATER WELL DRILLER	12,304		7,533	4,771		61.2%	38.8%
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		93.8%	6.2%
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	851		668	183		78.5%	21.5%
DREDGER OPERATING ENGINEER	831			831			100.0%
LANDSCAPE MAINTENANCE LABORER	795	16	614	165	2.0%	77.2%	20.8%
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	133	229	273	20.9%	36.1%	43.0%
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER)	282		282			100.0%	
SLURRY SEAL WORKER	271		138	133		50.9%	49.1%
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	252		158	94		62.7%	37.3%
IRONWORKER (DB)	80			80			100.0%
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	40		40			100.0%	
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11			11			100.0%
<b>Total Non-Apprenticable</b>	<b>402,660</b>	<b>23,507</b>	<b>212,252</b>	<b>166,901</b>	<b>5.8%</b>	<b>52.7%</b>	<b>41.5%</b>
<b>Total WSIP - Covered by PLA</b>	<b>6,530,398</b>	<b>471,069</b>	<b>2,661,092</b>	<b>3,398,237</b>	<b>5.8%</b>	<b>52.7%</b>	<b>41.5%</b>

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**Residence by Project**

Cumulative Employment of Residents by Project							
Inception Through September 30, 2014							
Project	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
*WD-2596 - Harry Tracy Water Treatment	856,572	55,523	321,257	479,792	6.5%	37.5%	56.0%
*WD-2581 - New Irvington Tunnel	622,844	2,763	255,138	364,944	0.4%	41.0%	58.6%
*WD-2551 Calaveras Dam Replacement P	530,877	2,762	159,778	368,336	0.5%	30.1%	69.4%
*WD-2531 - Bay Division Pipelines Reliabi	529,122	17,121	305,937	206,064	3.2%	57.8%	38.9%
*WD-2601 - Crystal Springs / San Andreas	482,748	25,216	189,109	268,423	5.2%	39.2%	55.6%
WD-2582 - Sunol Valley Water Treatment	462,409	11,320	193,094	257,996	2.4%	41.8%	55.8%
WD-2542 - Bay Division Pipeline No. 5 - Pe	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 - Ea	208,220	14,155	83,024	111,042	6.8%	39.9%	53.3%
WD-2539 - University Mound Reservoir N	187,025	50,004	44,746	92,276	26.7%	23.9%	49.3%
HH-935C - San Joaquin Pipeline System - f	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-2627R Sutro Reservoir Rehabilitatio	139,573	45,676	34,507	59,390	32.7%	24.7%	42.6%
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 R	127,743	34,923	35,352	57,468	27.3%	27.7%	45.0%
WD-2498 - New Crystal Springs Bypass (Po	117,809	6,825	61,030	49,955	5.8%	51.8%	42.4%
WD-2548 - Lake Merced Pump Station Ess	101,056	23,185	27,208	50,663	22.9%	26.9%	50.1%
HH-935B - San Joaquin Pipeline System - V	100,478	426	42,710	57,342	0.4%	42.5%	57.1%
WD-2591 - Lower Crystal Springs Dam Imp	98,686	5,022	57,610	36,055	5.1%	58.4%	36.5%
*WD-2629 Seismic Upgrade of Bay Divisio	97,994	1,194	35,513	61,288	1.2%	36.2%	62.5%
WD-2652 Bioregional Habitat Restoration	94,044	1,839	36,620	55,585	2.0%	38.9%	59.1%
HH-935A - San Joaquin Pipeline System - f	84,472	158	45,733	38,581	0.2%	54.1%	45.7%
WD-2513 - San Andreas Pipeline No.3 Inst	82,356	6,294	26,717	49,345	7.6%	32.4%	59.9%
WD-2504 - Stanford Heights Reservoir Sei	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-2575 San Antonio Backup Pipeline	66,371	9,633	24,408	32,331	14.5%	36.8%	48.7%
WD-2543 - North University Mound Syste	53,226	10,235	18,174	24,818	19.2%	34.1%	46.6%
WD-2573 - Pulgas Balancing Reservoir Str	50,372	5,166	24,782	20,425	10.3%	49.2%	40.5%
WD-2568 - BDPL Nos. 3&4 Crossover Facili	47,910	4,908	14,647	28,355	10.2%	30.6%	59.2%
WD-2564 - Harry Tracy Water Treatment P	43,047	7,220	12,709	23,118	16.8%	29.5%	53.7%
WD-2641R Habitat Reserve Program, Hom	40,390	6,564	10,833	22,993	16.3%	26.8%	56.9%
WD-2469 - Forest Knolls Pump Station and	26,552	3,844	8,139	14,569	14.5%	30.7%	54.9%
WD-2623 - Harding Park Recycled Water P	22,726	4,530	13,463	4,734	19.9%	59.2%	20.8%
WD-2529 - Noe Valley Transmission Main	22,511	3,918	7,931	10,662	17.4%	35.2%	47.4%
WD-2665 Bay Division Pipeline Reliability	21,967	341	6,958	14,668	1.6%	31.7%	66.8%
WD-2651R Peninsula 2011 Watershed Cor	20,473	557	9,517	10,399	2.7%	46.5%	50.8%
WD-2556 - Baden and San Pedro Valve Lo	19,937	4,570	10,632	4,735	22.9%	53.3%	23.8%
*WD-2666 Bioregional Habitat Restoratio	17,622	38	7,009	10,576	0.2%	39.8%	60.0%
WD-2566 - San Antonio Pump Station Upg	14,916	101	11,984	2,831	0.7%	80.3%	19.0%
HH-914R - Roselle Crossover Improvermer	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, Vari	11,261	136	6,592	4,534	1.2%	58.5%	40.3%
WD-2640 Bioregional Habitat Restoration	10,413	1,187	4,166	5,060	11.4%	40.0%	48.6%
WD-2600 Regional Groundwater Storage	6,088	-	296	5,792	0.0%	4.9%	95.1%
*WD-2727 Peninsula Pipeline Seismic Up	3,154	1,076	999	1,079	34.1%	31.7%	34.2%
*WD-2622 San Francisco Groundwater Su	2,050	97	437	1,516	4.7%	21.3%	74.0%
WD-2589 - Supervisory Control and Data A	1,498	113	242	1,144	7.6%	16.1%	76.3%
<b>Total WSIP - Covered by PLA</b>	<b>6,530,398</b>	<b>471,069</b>	<b>2,661,092</b>	<b>3,398,237</b>	<b>7%</b>	<b>41%</b>	<b>52%</b>

\*Active Projects

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**Apprentice Utilization**

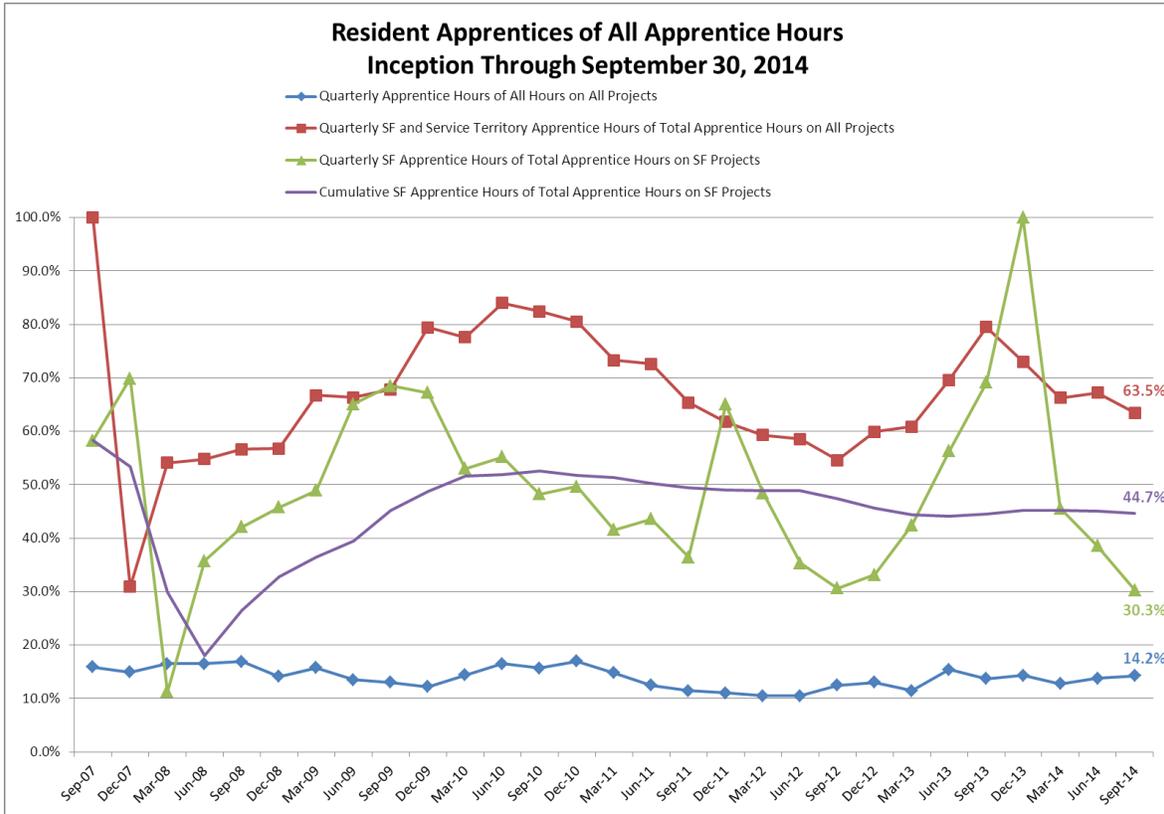
The WSIP PLA supports the Apprentice ratios provided by the State of California, Division of Apprenticeship Standards, generally 1 Apprentice hour to every 5 journey-level hours.

Through end of the current quarter, 13% of craft hours in Apprenticeable trades have been worked by Apprentices. 19% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Service Territory, or 72% combined.

Cumulative Apprentice Employment Summary of Residents by Craft Inception Through September 30, 2014												
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	Apprentice % of San Francisco Hours	Apprentice % of Service Territory Hours	Apprentice % of Outside Hours	
A - OPERATING ENGINEER (HEAVY A	838,076	20,655	3,912	11,451	5,293	2%	0%	1%	19%	55%	26%	
A - CARPENTER AND RELATED TRAD	565,196	89,717	25,928	40,425	23,365	16%	5%	7%	29%	45%	26%	
A - TUNNEL WORKER (LABORER)	542,391	-	-	-	-	0%	0%	0%				
A - OPERATING ENGINEER	429,992	136,470	24,303	52,353	59,815	32%	6%	12%	18%	38%	44%	
A - PLUMBER	385,942	109,866	31,701	53,160	25,004	28%	8%	14%	29%	48%	23%	
A - ELECTRICIAN	346,350	66,552	7,565	45,961	13,027	19%	2%	13%	11%	69%	20%	
A - IRON WORKER	219,816	49,771	11,681	20,852	17,238	23%	5%	9%	23%	42%	35%	
A - PILE DRIVER (CARPENTER)	149,988	9,124	4,246	2,985	1,893	6%	3%	2%	47%	33%	21%	
A - PAINTER	116,427	19,650	1,793	3,399	14,458	17%	2%	3%	9%	17%	74%	
A - BOILERMAKER-BLACKSMITH	106,223	2,761	40	1,882	840	3%	0%	2%	1%	68%	30%	
A - CEMENT MASON	98,010	4,663	3,375	144	1,144	5%	3%	0%	72%	3%	25%	
A - PILE DRIVER (OPERATING ENIN	51,828	30	-	-	30	0%	0%	0%			100%	
A - BUILDING/CONSTRUCTION INSP	47,982	150	5	81	64	0%	0%	0%	3%	54%	42%	
A - ROOFER	41,814	9,921	1,121	4,627	4,173	24%	3%	11%	11%	47%	42%	
A - FIELD SURVEYOR	18,946	229	-	66	163	1%	0%	0%		29%	71%	
A - SHEET METAL WORKER	12,719	1,570	16	919	635	12%	0%	7%	1%	59%	40%	
A - DRYWALL INSTALLER/LATHER (C	10,239	336	115	155	66	3%	1%	2%	34%	46%	20%	
A - BRICKLAYER, BLOCKLAYER	7,855	2,137	82	504	1,551	27%	1%	6%	4%	24%	73%	
A - ELECTRICAL UTILITY LINEMAN	6,310	79	-	79	-	1%	0%	1%		100%		
A - GLAZIER	3,763	504	342	20	142	13%	9%	1%	68%	4%	28%	
A - PLASTERER	2,618	347	136	-	211	13%	5%	0%	39%		61%	
A - OPERATING ENGINEER (SPECIAL	2,034	294	-	179	115	14%	0%	9%		61%	39%	
A - BRICK TENDER	773	24	24	-	-	3%	3%	0%	100%			
A - PARKING AND HIGHWAY IMPRO	696	-	-	-	-	0%	0%	0%				
A - PLASTER TENDER	693	-	-	-	-	0%	0%	0%				
A - ASBESTOS WORKER, HEAT AND	507	-	-	-	-	0%	0%	0%				
A - CARPET, LINOLEUM, SOFT FLOO	302	12	-	12	-	4%	0%	4%		100%		
A - TILE SETTER	282	20	-	20	-	7%	0%	7%		100%		
A - TILE FINISHER	277	40	-	-	40	14%	0%	0%			100%	
A - METAL ROOFING SYSTEMS INSTA	201	-	-	-	-	0%	0%	0%				
A - TERRAZZO WORKER	199	-	-	-	-	0%	0%	0%				
A - SHEET METAL WORKER (HVAC)	172	8	-	8	-	5%	0%	5%		100%		
A - MARBLE FINISHER	40	-	-	-	-	0%	0%	0%				
A - TERRAZZO FINISHER	4	-	-	-	-	0%	0%	0%				
<b>Sub-Total Apprenticeable</b>	<b>4,008,661</b>	<b>524,926</b>	<b>116,384</b>	<b>239,278</b>	<b>169,265</b>	<b>13%</b>	<b>3%</b>	<b>6%</b>	<b>7%</b>	<b>38%</b>	<b>55%</b>	
A - LABORER	2,118,272	277,410	36,552	186,475	54,383	13%	2%	9%	13%	67%	20%	
A - OP. ENGINEER (Combined)	1,321,929	157,448	28,214	63,982	65,252	12%	2%	5%	18%	41%	41%	
<b>Total Apprenticeable</b>	<b>6,126,934</b>	<b>802,468</b>	<b>152,936</b>	<b>425,752</b>	<b>223,647</b>	<b>13%</b>	<b>2%</b>	<b>7%</b>	<b>19%</b>	<b>53%</b>	<b>28%</b>	
<b>Total Non-Apprenticeable</b>	<b>402,660</b>											
<b>Total WSIP - Covered by PLA</b>	<b>6,530,398</b>											

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For the three months ending September 30, 2014, 30.3% of Apprentice Hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line).



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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 14.5%. This is slightly higher than the 13% mentioned in the Apprentice Utilization by Craft page because in this chart we use the Total Apprenticeable and Labor Hours which is slightly lower than the Total Craft Hours we use to calculate the percentage for craft.

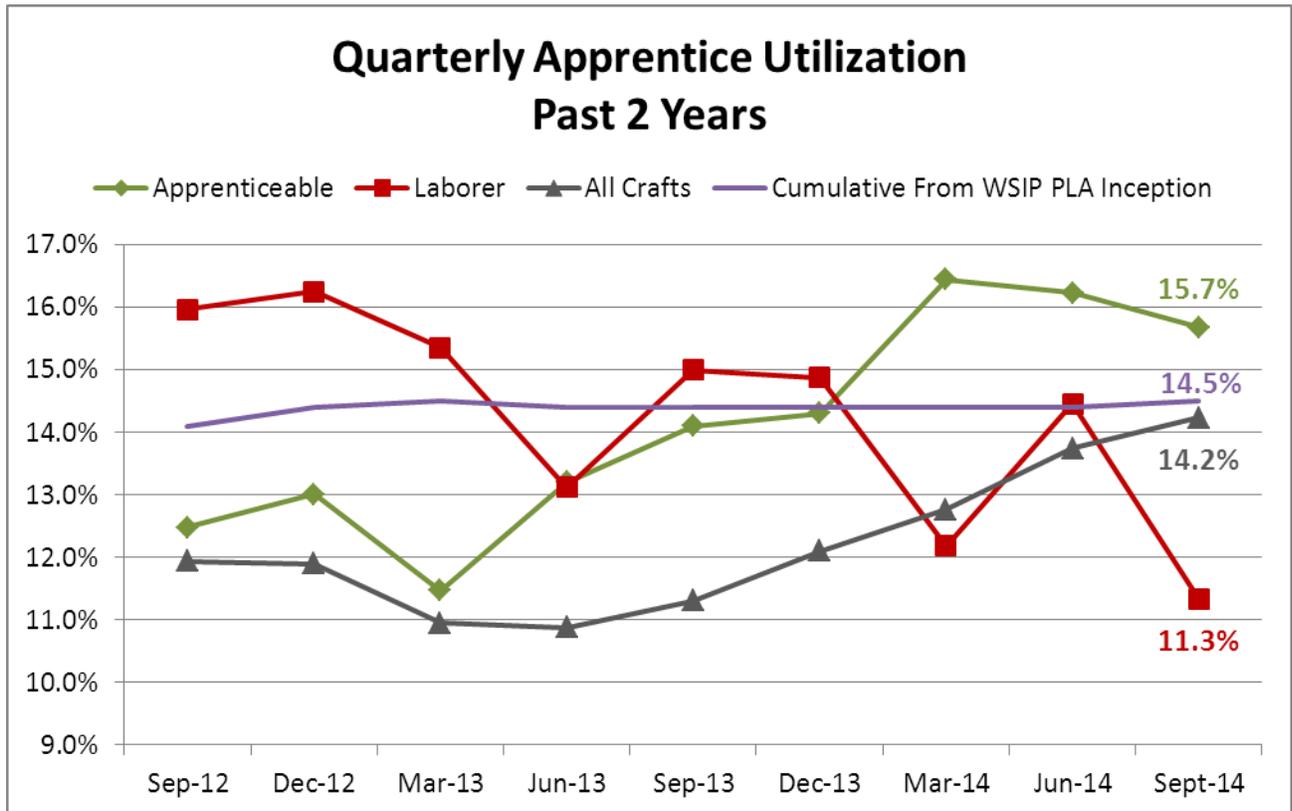
WSIP - Covered by PLA Apprentice Utilization by Project Inception through 09/30/2014											
Project	Apprentice Utilization By Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Laborer Hours**	Total Apprenticeable and Laborer Hours	Total Non-Apprenticeable Hours	Apprentice Hours	Apprentice Laborer Hours	Total Apprentice Hours	Apprenticeable Trades %	Apprentice Laborer	Total Apprentice %
CS-936 - Advanced Meter Infr	227,022	226,137	885	227,022		79,373		79,373	35%	0%	35.0%
HH-953 - Tesla Portal Protection	11,512	4,377	7,002	11,379	133	487	2,768	3,255	11%	40%	28.6%
WD-2498 - New Crystal Springs	117,809	51,330	11,543	62,872	54,937	12,356	5,252	17,607	24%	46%	28.0%
DB-116 - Tesla Treatment Facili	141,840	97,724	42,254	139,977	1,863	16,580	10,380	26,960	17%	25%	19.3%
*WD-2622 San Francisco Ground	2,050	483	1,567	2,050		66	309	374	14%	20%	18.2%
WD-2651R Peninsula 2011 Wate	20,473	4,777	12,458	17,235	3,239	763	2,372	3,135	16%	19%	18.2%
*WD-2727 Peninsula Pipeline S	3,154	1,104	2,050	3,154		87	468	555	8%	23%	17.6%
*WD-2575 San Antonio Backup	66,371	43,466	21,978	65,443	928	5,619	5,753	11,372	13%	26%	17.4%
WD-2641R Habitat Reserve Prog	40,390	7,294	33,045	40,338	52	1,467	5,463	6,930	20%	17%	17.2%
WD-2552 - Alameda Siphon No.	129,478	75,394	46,075	121,469	8,009	11,675	9,053	20,728	16%	20%	17.1%
*WD-2581 - New Irvington Tunn	622,844	195,912	67,375	263,287	359,557	27,764	17,116	44,880	14%	25%	17.0%
WD-2652 Bioregional Habitat R	94,044	19,404	72,114	91,518	2,526	1,468	14,008	15,475	8%	19%	16.9%
WD-2539 - University Mound Re	187,025	106,291	79,502	185,793	1,233	23,847	6,500	30,346	22%	8%	16.3%
WD-2573 - Pulgas Balancing Re	50,372	35,367	14,695	50,061	310	7,152	673	7,825	20%	5%	15.6%
HH-914R - Roselle Crossover Im	12,859	7,968	4,729	12,697	163	1,384	559	1,943	17%	12%	15.3%
WD-2582 - Sunol Valley Water T	462,409	293,845	155,551	449,396	13,013	49,266	19,350	68,616	17%	12%	15.3%
*WD-2596 - Harry Tracy Water	856,942	557,972	261,176	819,147	37,795	93,002	32,170	125,172	17%	12%	15.3%
WD-2640 Bioregional Habitat R	10,413	4,487	5,113	9,601	813	701	754	1,455	16%	15%	15.2%
*WD-2627R Sutro Reservoir Ref	139,708	69,749	61,072	130,821	8,887	14,746	4,679	19,425	21%	8%	14.8%
*WD-2531 - Bay Division Pipeli	529,122	144,654	72,347	217,000	312,122	13,751	17,239	30,990	10%	24%	14.3%
WD-2600 Regional Groundwater	6,088		2,061	2,061	4,027		296	296	0%	14%	14.3%
WD-2556 - Baden and San Pedro	19,937	11,044	8,550	19,593	344	951	1,788	2,738	9%	21%	14.0%
*WD-2629 Seismic Upgrade of B	97,994	56,138	40,358	96,496	1,499	7,049	5,848	12,897	13%	15%	13.4%
WD-2504 - Stanford Heights Res	74,299	40,451	33,849	74,299		9,134	757	9,891	23%	2%	13.3%
WD-2513 - San Andreas Pipeline	82,356	28,627	42,909	71,535	10,820	3,994	5,317	9,311	14%	12%	13.0%
*WD-2551 Calaveras Dam Repla	530,917	307,046	194,757	501,804	29,113	29,077	32,208	61,284	10%	17%	12.2%
WD-2566 - San Antonio Pump St	14,916	8,241	6,539	14,779	137	859	939	1,798	10%	14%	12.2%
HH-935C - San Joaquin Pipeline	144,007	89,193	52,974	142,167	1,840	8,862	8,401	17,263	10%	16%	12.1%
WD-2548 - Lake Merced Pump S	101,056	70,708	26,504	97,211	3,845	10,678	137	10,815	15%	1%	11.1%
WD-2469 - Forest Knolls Pump S	26,552	17,167	9,337	26,503	49	2,888	19	2,907	17%	0%	11.0%
WD-2555 - Crystal Springs Pipel	127,743	49,079	68,938	118,016	9,727	7,559	5,394	12,953	15%	8%	11.0%
*WD-2601 - Crystal Springs / Sa	482,748	294,499	129,256	423,755	58,993	35,262	10,868	46,130	12%	8%	10.9%
HH-935A - San Joaquin Pipeline	84,472	53,738	29,895	83,633	839	5,351	3,652	9,003	10%	12%	10.8%
HH-935B - San Joaquin Pipeline	100,478	52,964	35,598	88,561	11,917	4,059	5,243	9,302	8%	15%	10.5%
WD-2501 - Alemany Pump Statid	74,094	54,304	19,741	74,046	48	7,406	223	7,629	14%	1%	10.3%
WD-2541 - Bay Division Pipeline	208,220	89,081	106,342	195,423	12,797	10,018	10,170	20,188	11%	10%	10.3%
WD-2542 - Bay Division Pipeline	287,972	90,615	165,904	256,518	31,454	7,049	19,153	26,202	8%	12%	10.2%
WD-2568 - BDPL Nos. 3&4 Cros	47,910	31,539	14,278	45,817	2,093	3,818	720	4,538	12%	5%	9.9%
*WD-2666 Bioregional Habitat f	17,622	11,384	6,238	17,622		228	1,487	1,715	2%	24%	9.7%
WD-2591 - Lower Crystal Spring	98,686	40,896	56,467	97,363	1,323	4,833	3,853	8,685	12%	7%	8.9%
WD-2665 Bay Division Pipeline	21,967	10,548	11,185	21,733	234	168	1,741	1,909	2%	16%	8.8%
WD-2589 - Supervisory Control a	1,498	728	771	1,498		115		115	16%	0%	7.7%
WD-2623 - Harding Park Recycle	22,726	7,868	14,402	22,270	456	696	949	1,645	9%	7%	7.4%
WD-2543 - North University Mo	53,226	14,375	31,800	46,175	7,051	743	2,255	2,998	5%	7%	6.5%
WD-2511 - Standby Power Facili	11,261	9,032	2,230	11,261		626		626	7%	0%	5.6%
WD-2529 - Noe Valley Transmis	22,511	6,021	14,423	20,444	2,067		1,133	1,133	0%	8%	5.5%
WD-2564 - Harry Tracy Water T	43,047	22,610	20,358	42,967	80	2,089		2,089	9%	0%	4.9%
<b>WSIP - Covered by PLA</b>	<b>6,530,398</b>	<b>3,415,622</b>	<b>2,118,188</b>	<b>5,533,811</b>	<b>996,328</b>	<b>525,058</b>	<b>277,410</b>	<b>802,468</b>	<b>15%</b>	<b>13%</b>	<b>14.5%</b>

\*Active Projects

\*\*These are apprenticeable hours worked by the Labor Craft. The reason for them being separated from the "TotalHours of Apprenticeable Trades" column is to highlight the significance of their category. In some instances, the Apprentice Laborers equate to over 80% of Apprentice Hours and in many cases the percentage is over 50%.

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The following charts indicate Quarterly Apprentice Utilization over the past two years ending September 30, 2014 for Apprenticeable Trades not including Laborers', Laborers', the combined Apprenticeable Trades and Laborers' Crafts, as well as the cumulative percentage for the projects under the WSIP PLA. Over the past year, the overall Quarterly Apprentice Utilization has increased every quarter.



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**Jobs Training and Opportunities Program (JTOP)**

As of September 30, 2014, SFPUC and City staff has referred 532 Apprentices and 262 Journeypersons that participated in JTOPs to WSIP PLA-Covered Projects. These 794 individuals represent 10.5% of the total hours worked and 7.8% of the wages earned.

WSIP-PLA Referred Workers By Job Training and Opportunities Program						
Inception Through September 30, 2014						
Referring Agency	Workers	Hours	Wages	% Of Total Apprentices	% Of Total Apprentice Hours	% Of Total Apprentice Wages
<b>Referred Apprentice Workers</b>						
CityBuild Referral Services	63	32,076	\$ 824,100	4.3%	4.0%	4.0%
CityBuild Academy	49	35,006	\$ 851,081	3.4%	4.4%	4.1%
Cypress Mandela Training Center, Inc.	35	45,329	\$ 1,055,863	2.4%	5.6%	5.1%
Helmets to Hardhats	1	3,339	\$ 80,910	0.1%	0.4%	0.4%
Job Corps	1	4,328	\$ 129,666	0.1%	0.5%	0.6%
Job Train's Project Build	57	75,688	\$ 1,788,491	3.9%	9.4%	8.7%
Northern California Construction and Training, Inc.	7	7,233	\$ 158,276	0.5%	0.9%	0.8%
Union	239	165,285	\$ 4,138,498	16.5%	20.6%	20.0%
San Joaquin County Office of Ed. YouthBuild	11	16,900	\$ 364,200	0.8%	2.1%	1.8%
SFPUC	63	53,628	\$ 1,387,411	4.3%	6.7%	6.7%
Sponsor	6	18,761	\$ 431,553	0.4%	2.3%	2.1%
<b>Total Referred Apprentice Workers</b>	<b>532</b>	<b>457,570</b>	<b>\$ 11,210,049</b>	<b>36.7%</b>	<b>56.9%</b>	<b>54.3%</b>
Non-Referred Apprentices	918	346,473	\$ 9,444,564	63.3%	43.1%	45.7%
<b>Total Apprentices</b>	<b>1,450</b>	<b>804,044</b>	<b>\$ 20,654,613</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Referred Journeyman Workers</b>						
CityBuild Referral Services	70	48,168	\$ 2,089,497	0.8%	0.8%	0.9%
CityBuild Academy	8	6,678	\$ 219,721	0.1%	0.1%	0.1%
Cypress Mandela Training Center, Inc.	7	8,268	\$ 264,989	0.1%	0.1%	0.1%
Northern California Construction and Training, Inc.	1	1,640	\$ 42,809	0.0%	0.0%	0.0%
Union	129	101,442	\$ 3,758,553	1.4%	1.8%	1.6%
Job Corps	1	37	\$ 1,489	0.0%	0.0%	0.0%
Job Train's Project Build	12	15,769	\$ 489,190	0.1%	0.3%	0.2%
San Joaquin County Office of Ed. YouthBuild	1	222	\$ 5,099	0.0%	0.0%	0.0%
Helmets to Hardhats	1	13	\$ 498	0.0%	0.0%	0.0%
Sponsor	1	377	\$ 10,238	0.0%	0.0%	0.0%
SFPUC	31	42,670	\$ 1,471,690	0.3%	0.7%	0.6%
<b>Total Referred Journeyman Workers</b>	<b>262</b>	<b>225,281</b>	<b>\$ 8,353,774</b>	<b>2.8%</b>	<b>3.9%</b>	<b>3.6%</b>
Non-Referred Journeypersons	8,984	5,514,382	\$ 223,674,513	97.2%	96.1%	96.4%
<b>Total Journeypersons</b>	<b>9,246</b>	<b>5,739,662</b>	<b>\$ 232,028,287</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Total Workforce</b>						
<b>Total Referred Workers ( J+A )</b>	<b>794</b>	<b>682,850.97</b>	<b>\$ 19,563,823</b>	<b>7.4%</b>	<b>10.5%</b>	<b>7.8%</b>
<b>All Non-Referred Workers</b>						
All Non-Referred Workers	9,902	5,860,855.05	\$ 233,119,077	92.6%	89.7%	92.4%
<b>Total Workforce</b>	<b>10,696</b>	<b>6,530,398</b>	<b>\$ 252,158,366</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

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

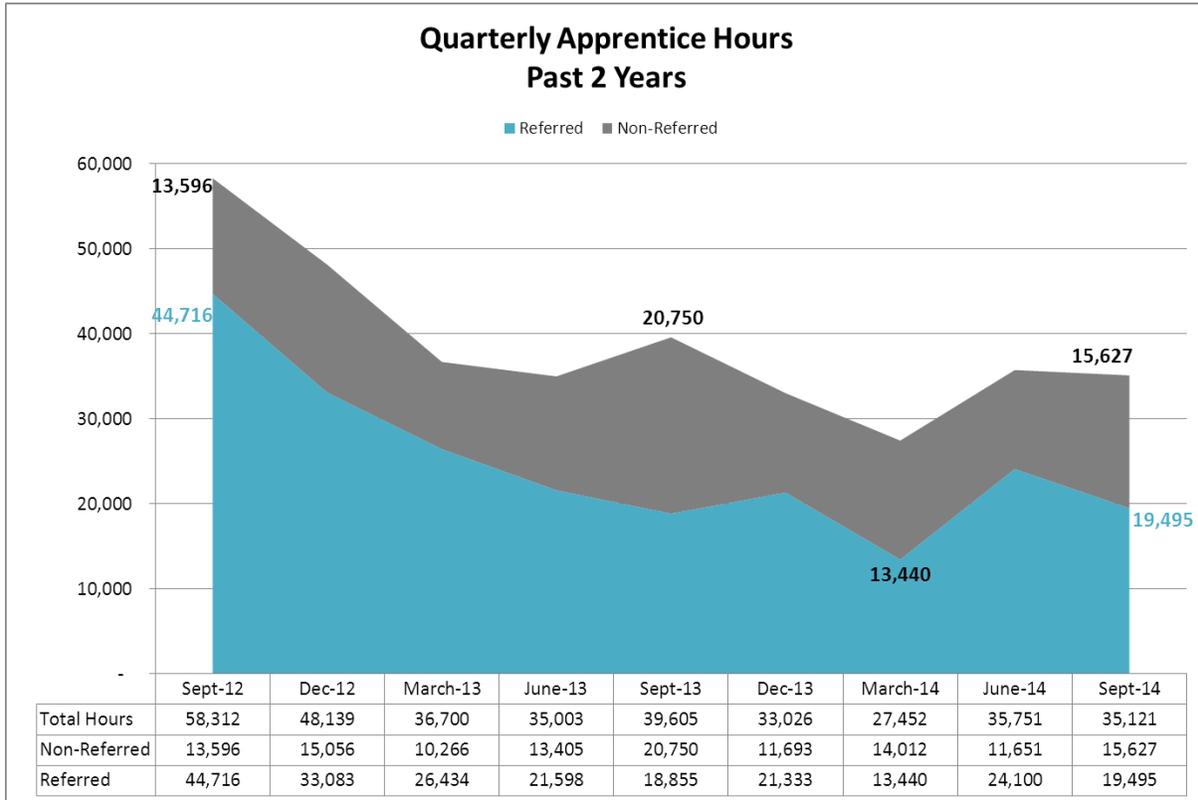
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This table illustrates *JTOP Referred Worker Utilization by Project* with the greatest total project participation listed first.

Referred Worker Utilization by WSIP-PLA Covered Project									
Inception through 09/30/2014									
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-2623 - Harding Park Recycled	22,726	1,645	21,081	1,280	3,659	4,938	77.8%	17.4%	21.7%
WD-2651R Peninsula 2011 Waters	20,473	3,135	17,339	2,372	1,971	4,343	75.7%	11.4%	21.2%
WD-2727 Peninsula Pipeline Seis	3,154	555	2,599	214	305	519	38.5%	11.7%	16.4%
WD-2666 Bioregional Habitat Res	17,622	1,715	15,908	778	2,039	2,817	45.4%	12.8%	16.0%
HH-935C - San Joaquin Pipeline Sy	144,007	17,263	126,744	14,185	8,693	22,877	82.2%	6.9%	15.9%
WD-2555 - Crystal Springs Pipelin	127,743	12,953	114,791	12,193	7,984	20,177	94.1%	7.0%	15.8%
WD-2652 Bioregional Habitat Res	94,044	15,475	78,568	11,764	2,914	14,678	76.0%	3.7%	15.6%
WD-2552 - Alameda Siphon No. 4	129,478	20,728	108,750	16,749	3,356	20,105	80.8%	3.1%	15.5%
WD-2627R Sutro Reservoir Rehab	139,708	19,425	120,283	15,988	5,061	21,049	82.3%	4.2%	15.1%
WD-2539 - University Mound Rese	187,025	30,346	156,679	14,817	12,647	27,463	48.8%	8.1%	14.7%
WD-2548 - Lake Merced Pump Sta	101,056	10,815	90,241	4,034	10,787	14,821	37.3%	12.0%	14.7%
WD-2641R Habitat Reserve Progra	40,390	6,930	33,460	4,844	1,096	5,940	69.9%	3.3%	14.7%
WD-2640 Bioregional Habitat Res	10,413	1,455	8,958	1,391	75	1,466	95.6%	0.8%	14.1%
WD-2665 Bay Division Pipeline Re	21,967	1,909	20,059	1,848	1,135	2,983	96.8%	5.7%	13.6%
WD-2601 - Crystal Springs / San A	482,748	46,130	436,618	38,195	26,700	64,895	82.8%	6.1%	13.4%
WD-2629 Seismic Upgrade of Bay	97,994	12,897	85,098	10,174	2,428	12,602	78.9%	2.9%	12.9%
WD-2596 - Harry Tracy Water Trea	856,942	125,172	731,770	71,877	31,511	103,388	57.4%	4.3%	12.1%
WD-2551 Calaveras Dam Replacer	530,917	61,284	469,632	53,122	9,043	62,165	86.7%	1.9%	11.7%
WD-2591 - Lower Crystal Springs D	98,686	8,685	90,000	6,917	4,086	11,003	79.6%	4.5%	11.1%
WD-2513 - San Andreas Pipeline M	82,356	9,311	73,045	8,522	513	9,035	91.5%	0.7%	11.0%
CS-936 - Advanced Meter Infrastr	227,022	79,373	147,649	4,405	20,110	24,515	5.5%	13.6%	10.8%
WD-2556 - Baden and San Pedro V	19,937	2,738	17,199	2,057	98	2,155	75.1%	0.6%	10.8%
WD-2622 San Francisco Groundwa	2,050	374	1,676	66	138	204	17.5%	8.2%	9.9%
WD-2531 - Bay Division Pipelines	529,122	30,990	498,132	26,831	24,306	51,137	86.6%	4.9%	9.7%
WD-2575 San Antonio Backup Pip	66,371	11,372	55,000	3,897	2,548	6,445	34.3%	4.6%	9.7%
WD-2542 - Bay Division Pipeline N	287,972	26,202	261,770	20,197	4,770	24,967	77.1%	1.8%	8.7%
HH-935B - San Joaquin Pipeline Sy	100,478	9,302	91,176	5,795	1,923	7,717	62.3%	2.1%	7.7%
WD-2582 - Sunol Valley Water Trea	462,409	68,616	393,794	27,121	8,277	35,398	39.5%	2.1%	7.7%
WD-2469 - Forest Knolls Pump Sta	26,552	2,907	23,645	1,961	32	1,993	67.5%	0.1%	7.5%
WD-2504 - Stanford Heights Rese	74,299	9,891	64,408	1,336	4,241	5,577	13.5%	6.6%	7.5%
WD-2581 - New Irvington Tunnel	622,844	44,880	577,964	33,122	11,514	44,636	73.8%	2.0%	7.2%
WD-2541 - Bay Division Pipeline N	208,220	20,188	188,033	10,927	3,718	14,645	54.1%	2.0%	7.0%
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 Transmissi	22,511	1,133	21,378	1,133	263	1,396	100.0%	1.2%	6.2%
WD-2566 - San Antonio Pump Sta	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 Reser	50,372	7,825	42,547	1,458	1,282	2,740	18.6%	3.0%	5.4%
WD-2543 - North University Mour	53,226	2,998	50,228	2,550	106	2,656	85.1%	0.2%	5.0%
WD-2600 Regional Groundwater S	6,088	296	5,792	296		296	100.0%	0.0%	4.9%
HH-935A - San Joaquin Pipeline S	84,472	9,003	75,469	3,595	422	4,017	39.9%	0.6%	4.8%
WD-2568 - BDPL Nos. 3&4 Crossov	47,910	4,538	43,373	2,020	185	2,205	44.5%	0.4%	4.6%
WD-2564 - Harry Tracy Water Trea	43,047	2,089	40,959	1,329	183	1,512	63.6%	0.4%	3.5%
HH-914R - Roselle Crossover Impr	12,859	1,943	10,917	256	32	288	13.2%	0.3%	2.2%
WD-2498 - New Crystal Springs By	117,809	17,607	100,202	314	291	605	1.8%	0.3%	0.5%
WD-2511 - Standby Power Faciliti	11,261	626	10,635		4	4	0.0%	0.0%	0.0%
WD-2589 - Supervisory Control an	1,498	115	1,383				0.0%	0.0%	0.0%
<b>WSIP - Covered by PLA</b>	<b>6,530,398</b>	<b>802,468</b>	<b>5,727,930</b>	<b>456,792</b>	<b>224,365</b>	<b>681,157</b>	<b>57%</b>	<b>4%</b>	<b>10%</b>

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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 13,440 referred hours in the quarter ending March-14, those hours still accumulated for 49% of all apprentice hours in that 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 requires 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 at the job site.

As of September 30, 2014, 12,141 pre-employment tests had been administered to people who were cleared to work. 160 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.

<b>WSIP - Covered by PLA - Substance Abuse Testing Summary</b>	
Tests Administered to Individuals Cleared to Work through 09/30/2014	
Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,093
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,147
WD-2551 Calaveras Dam Replacement Project	891
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	599
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	550
WD-2548 - Lake Merced Pump Station Essential Upgrades	530
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-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
WD-2627R Suto Reservoir Rehabilitation and Seismic Upgrade	208
HH-935B - San Joaquin Pipeline System - Western Segment	207
WD-2629 Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	203
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	126
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	89
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. Point, a	63
WD-2543 - North University Mound System Upgrade	55
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-2600 Regional Groundwater Storage and Recovery Project- Test Well Drilling	10
HH-953 - Tesla Portal Protection	7
WD-2623 - Harding Park Recycled Water Project	7
WD-2727 Peninsula Pipeline Seismic Upgrade	7
WD-2622 San Francisco Groundwater Supply Pipeline	-
WD-2640 Bioregional Habitat Restoration	-
<b>Total Cleared</b>	<b>12,141</b>

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**Legislative History of the WSIP PLA**

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

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

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

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

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

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

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**Governance**

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

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

**Pre-Job Conferences and Jurisdictional Disputes**

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

**Web-Based Labor Compliance Program**

All SFPUC construction projects including those covered by the WSIP PLA utilize the City's web-based labor compliance program (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, 2014  
(Second Quarter FY 2014-2015)**

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San Francisco Public Utilities Commission  
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**Executive Summary**

Since it was adopted on March 16, 2007 the WSIP 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. Forty-Seven WSIP contracts awarded subject to the WSIP PLA in the amount of \$1.945 billion through September 30, 2014.

Construction Activity Highlights – Program-to-Date

**Contracting:**

- Forty-eight (48) construction contracts with a value of \$1.945 Billion have been awarded subject to the WSIP PLA.

**Employment:**

- Since inception, 11,725 construction workers were employed for 6,725,060 hours and earned wages of \$259,964,408 on WSIP PLA-covered projects.
- 961 San Francisco residents worked 482,908 hours and earned \$17,888,589 on WSIP PLA-Covered Projects representing 7.2% of covered hours and 232 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. 4,992 residents of the Service Territory earned wages of \$103,558,515 and worked 2,730,980 hours, representing 40.6% of covered hours and 1,313 full-time equivalent worker years.
- 12,287 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of December 31, 2014. 161 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, 2014			
	Worker Count	Sum of Hours	Sum Of Wages	FTE
All Workers	11,725	6,725,060	\$ 259,964,408	3,233
San Francisco	961	482,908	\$ 17,888,589	232
SFPUC Service Territory	4,992	2,730,980	\$ 103,558,515	1,313
Outside	6,028	3,511,172	\$ 138,517,304	1,688

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Construction Activity Highlights – Quarter Ended December 31, 2014

**Contracting:**

- No contracts were awarded during the reporting period.

**Employment:**

- 972 construction workers were employed for 208,527 hours and earned wages of \$8,425,522 on WSIP PLA-Covered projects.
- 69 San Francisco residents worked 10,898 hours and earned wages of \$430,294 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 the Quarter, 329 residents of the Service Territory worked 74,530 hours and earned wages of \$2,899,237 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 one (0.7%) 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, 2014			
	Worker Count	Sum of Hours	Sum Of Wages	FTE
All Workers	972	208,527	\$ 8,452,522	100
San Francisco	69	10,898	\$ 430,294	5
SFPUC Service Territory	329	74,530	\$ 2,899,237	36
Outside	581	123,098	\$ 5,122,991	59

\*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 and dividing that 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**

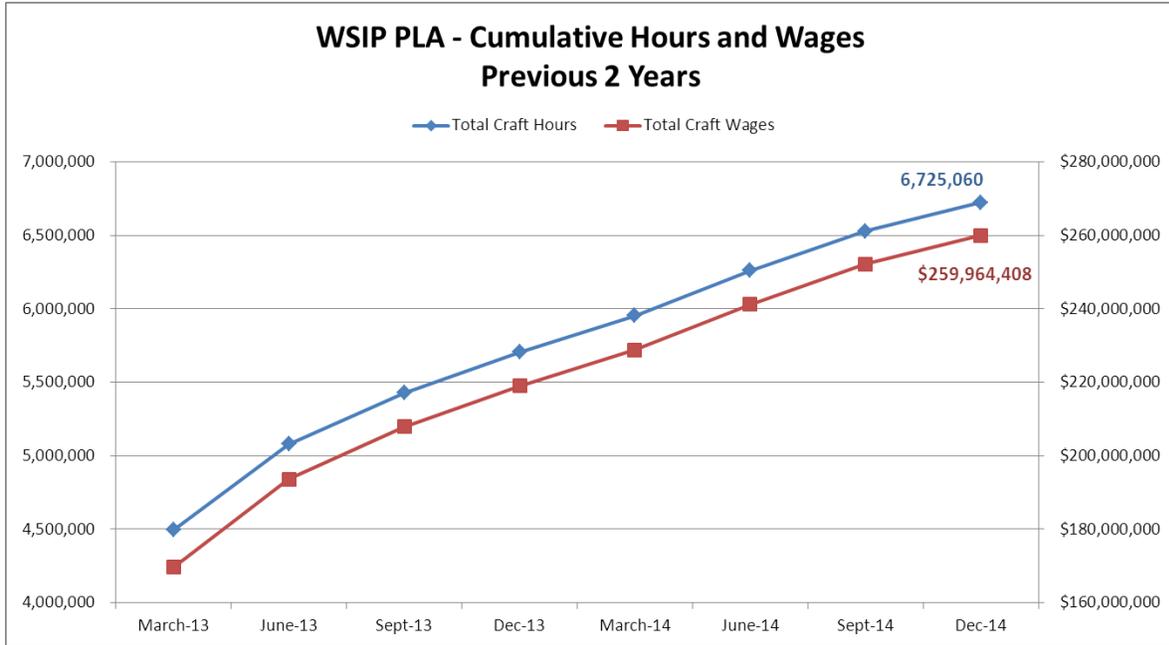
Construction Contracts Awarded Subject to the WSIP-PLA					
Inception through December 31, 2014					
Award Date	Contract No.	Prime Contractor	Project	Engineer's Estimate	Award \$
05/27/14	WD-2622*	Ranger Pipelines Inc	San Francisco Groundwater Supply Pipeline	\$13.6 Million	8,676,685
02/11/14	WD-2707	G4S Technology	As-Needed Integration Services (Lenel VAR Required) - 2	\$1.2 Million	1,187,648
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 Poi	\$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	\$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
<b>Total 48 Projects</b>					<b>\$ 1,946,485,257</b>

\* indicates project located in San Francisco

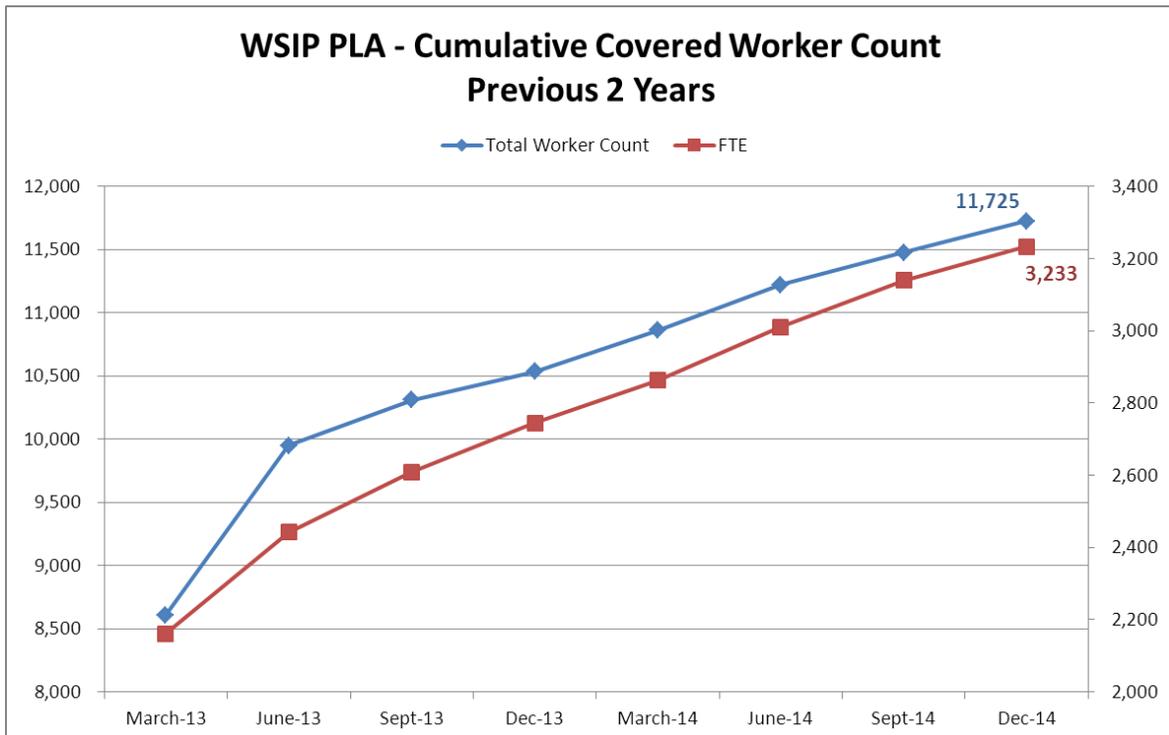
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**Summary Charts**

From inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ended December 31, 2014, 11,725 workers on WSIP PLA-covered projects have achieved a cumulative total of 6,725,060 craft hours and \$259,964,408 in craft wages.

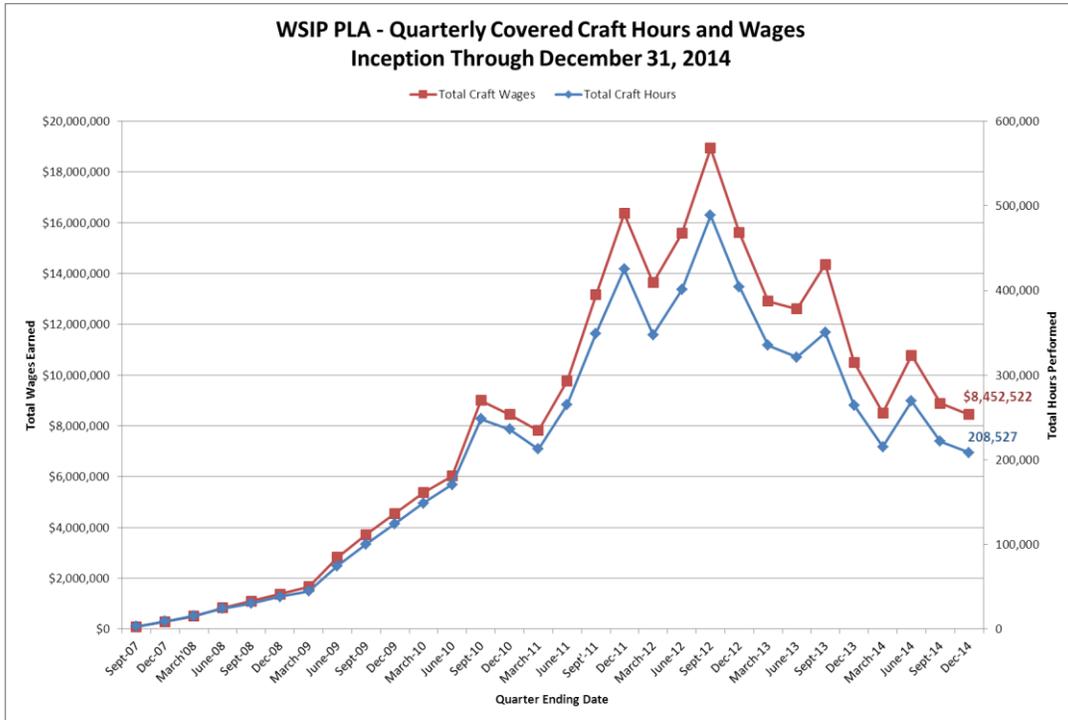


The tables below describe the progressive accumulation of these totals over the past two years.

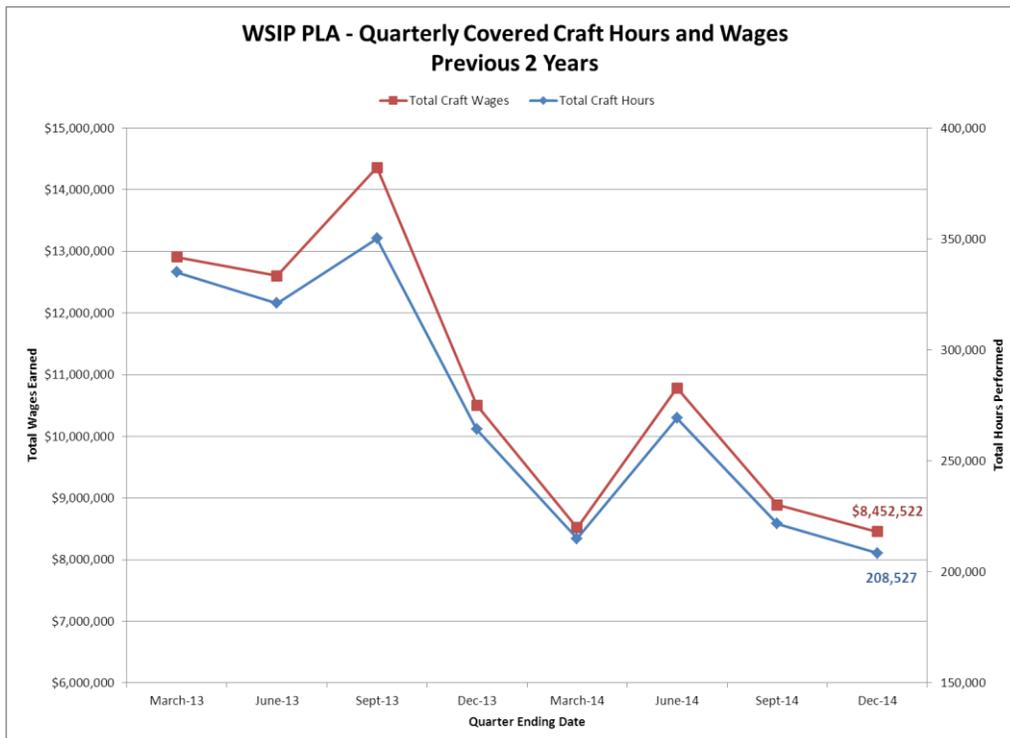


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The chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 85% total completion, Craft Hours have begun to and will continue to trend down until total completion.



This chart (below) represents a close up of the one above representing just the last year.



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

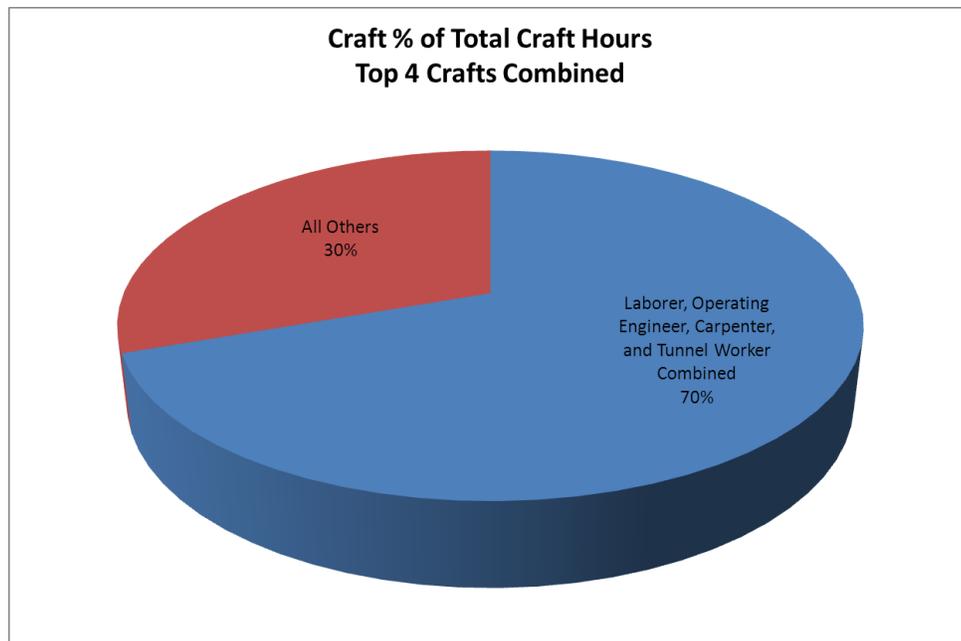
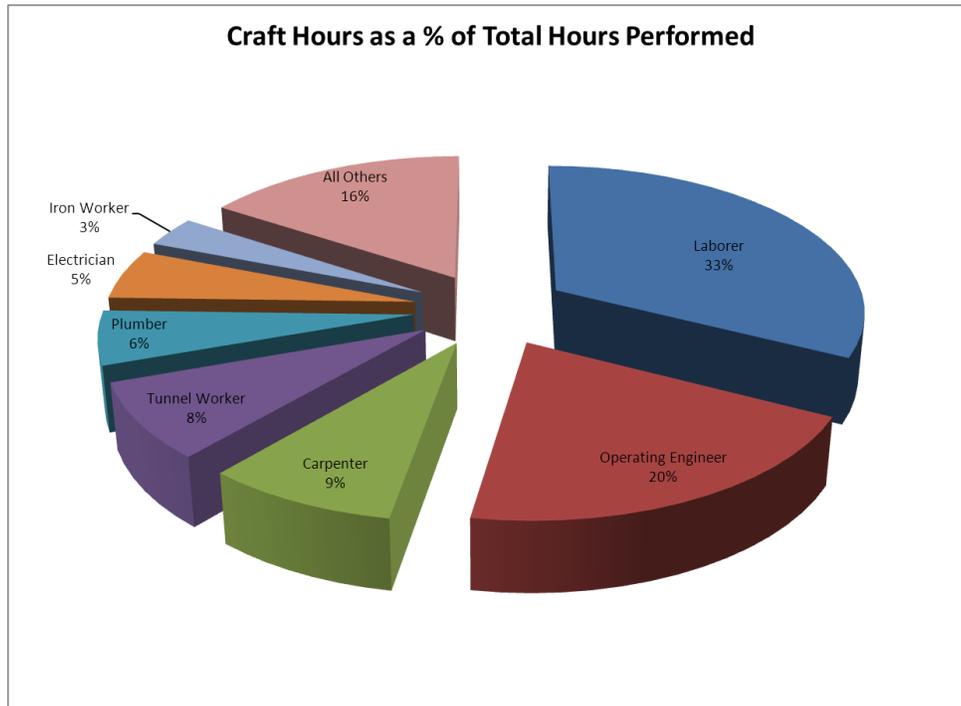
As of December 31, 2014, contractors reported craft hours in 54 craft worker classifications which the SFPUC summarizes into 32 craft areas.

Illustrated here and in the following pages Laborers, Operators, 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 wholly performed by plumbers.

<b>Cumulative Employment by Craft</b> Inception Through December 31, 2014					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
Laborer	2,186,107	\$ 65,535,764	32.5%	25.2%	1,051
Op. Engineer (Combined)	1,357,241	\$ 53,626,315	20.2%	20.6%	653
Carpenter	580,654	\$ 23,894,077	8.6%	9.2%	279
Tunnel Worker (Laboerer)	556,153	\$ 23,364,519	8.3%	9.0%	267
Plumber	394,276	\$ 18,440,276	5.9%	7.1%	190
Electrician	366,255	\$ 18,990,342	5.4%	7.3%	176
Iron Worker	223,366	\$ 7,513,113	3.3%	2.9%	107
<b>Top 7 Sub-Total</b>	<b>5,664,051</b>	<b>\$ 211,364,405</b>	<b>84.2%</b>	<b>81.3%</b>	<b>2,723</b>
Pile Driver (Carpenter)	152,358	\$ 8,060,307	2.3%	3.1%	73
Painter	128,281	\$ 4,828,574	1.9%	1.9%	62
Boilermaker-Blacksmith	107,857	\$ 5,217,889	1.6%	2.0%	52
Cement Mason	102,719	\$ 3,559,796	1.5%	1.4%	49
Building/Construction Inspector	48,755	\$ 1,968,145	0.7%	0.8%	23
Roofer	42,557	\$ 1,455,579	0.6%	0.6%	20
Field Surveyor	19,090	\$ 775,507	0.3%	0.3%	9
Sheet Metal Worker	13,296	\$ 624,559	0.2%	0.2%	6
Drywall Installer/Lather (Carpenter)	10,360	\$ 434,120	0.2%	0.2%	5
Bricklayer/Blocklayer	8,303	\$ 316,232	0.1%	0.1%	4
Electrical Utility Lineman	6,364	\$ 386,104	0.1%	0.1%	3
Glazier	3,763	\$ 158,938	0.1%	0.1%	2
Plasterer	2,618	\$ 86,520	0.0%	0.0%	1
Brick Tender	773	\$ 26,072	0.0%	0.0%	0
Parking and Highway Improvement Pa	696	\$ 22,438	0.0%	0.0%	0
Plaster Tender	693	\$ 22,665	0.0%	0.0%	0
Asbestos Worker, Heat and Frost Insula	507	\$ 28,166	0.0%	0.0%	0
Carpet, Linoleum, Soft Floor Layer	302	\$ 13,681	0.0%	0.0%	0
Tile Setter	282	\$ 10,364	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
<b>Remaining Apprenticeable Sub-Total</b>	<b>650,462</b>	<b>\$ 28,035,623</b>	<b>9.7%</b>	<b>10.8%</b>	<b>313</b>
<b>Total Non-Apprenticeable</b>	<b>410,547</b>	<b>\$ 20,564,380</b>	<b>6.1%</b>	<b>7.9%</b>	<b>197</b>
<b>Total WSIP - Covered by PLA</b>	<b>6,725,060</b>	<b>\$ 259,964,408</b>	<b>100.0%</b>	<b>100.0%</b>	<b>3,233</b>

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This chart summarizes WSIP PLA– covered craft employment for trades with the largest number of craft hours as of December 31, 2014. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 69.5% of craft hours worked on PLA-Covered Projects.



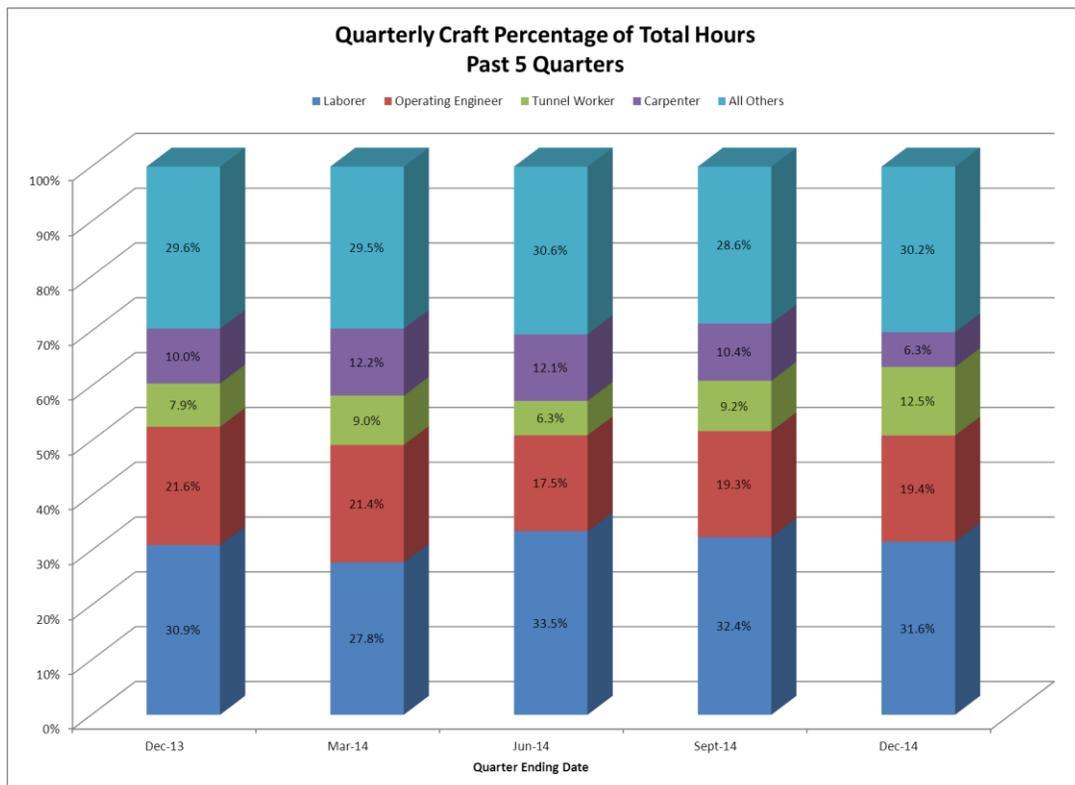
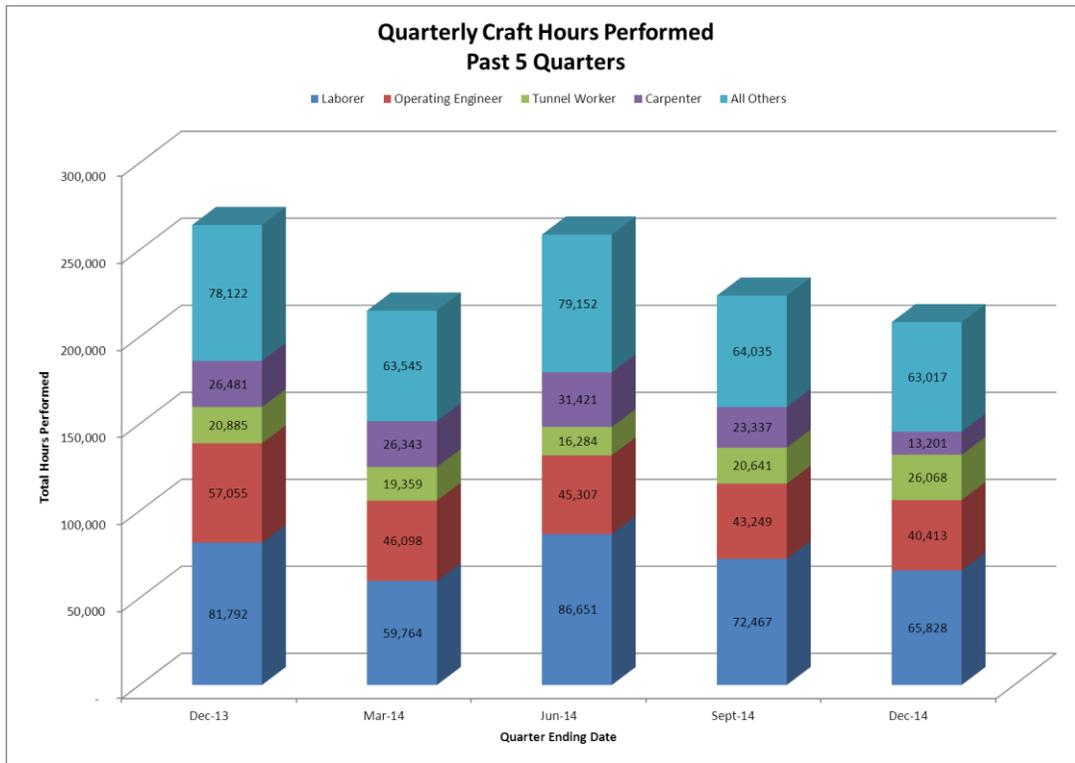
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and the latest reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 12-31-2014 Hours	Quarter Ending 12-31-2014 Wages
LABORER	2,186,107	\$ 65,535,764	65,828	\$ 2,055,402
OPERATING ENGINEER	443,915	\$ 16,267,998	14,403	\$ 522,409
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK)	859,153	\$ 35,103,378	24,258	\$ 1,057,459
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,268	\$ 90,258	820	\$ 23,058
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY WORK)	51,905	\$ 2,164,681	933	\$ 40,467
Operating Engineer (Combined)	1,357,241	\$ 53,626,315	40,413	\$ 1,643,393
CARPENTER AND RELATED TRADES	580,654	\$ 23,894,077	13,201	\$ 588,365
TUNNEL WORKER (LABORER)	556,153	\$ 23,364,519	26,068	\$ 1,196,718
PLUMBER	394,276	\$ 18,440,276	8,608	\$ 389,995
ELECTRICIAN	366,255	\$ 18,990,342	20,405	\$ 1,157,459
IRON WORKER	223,366	\$ 7,513,113	3,071	\$ 105,038
PILE DRIVER (CARPENTER)	152,358	\$ 8,060,307	1,591	\$ 66,996
PAINTER	128,281	\$ 4,828,574	12,916	\$ 502,362
BOILERMAKER-BLACKSMITH	107,857	\$ 5,217,889	1,222	\$ 61,189
CEMENT MASON	102,719	\$ 3,559,796	3,290	\$ 109,884
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIALS	48,755	\$ 1,968,145	1,095	\$ 39,993
ROOFER	42,557	\$ 1,455,579	611	\$ 21,925
FIELD SURVEYOR	19,090	\$ 775,507	144	\$ 4,859
SHEET METAL WORKER	13,296	\$ 624,559	577	\$ 34,008
DRYWALL INSTALLER/LATHER (CARPENTER)	10,360	\$ 434,120	121	\$ 5,560
BRICKLAYER, BLOCKLAYER	8,303	\$ 316,232	432	\$ 13,500
ELECTRICAL UTILITY LINEMAN	6,364	\$ 386,104	54	\$ 3,934
GLAZIER	3,763	\$ 158,938	-	\$ -
PLASTERER	2,618	\$ 86,520	-	\$ -
BRICK TENDER	773	\$ 26,072	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	696	\$ 22,438	-	\$ -
PLASTER TENDER	693	\$ 22,665	-	\$ -
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166	-	\$ -
CARPET, LINOLEUM, SOFT FLOOR LAYER	302	\$ 13,681	-	\$ -
TILE SETTER	282	\$ 10,364	-	\$ -
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	-	\$ -
<b>Total Apprenticable</b>	<b>6,314,513</b>	<b>\$ 239,400,028</b>	<b>199,643</b>	<b>\$ 8,000,579.76</b>
<b>Non-Apprenticeable</b>				
TEAMSTER	109,104	\$ 4,987,644	2,400	\$ 83,050
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	89,848	\$ 6,520,246	1,253	\$ 106,041
OPERATING ENGINEER (HEAVY AND HIGHWAY WORK) (SPECIAL SINGLE SHIFT)	84,760	\$ 3,886,425	4,662	\$ 235,699
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY WORK)	77,731	\$ 3,489,739	569	\$ 27,152
ASBESTOS REMOVAL WORKER (LABORER)	17,057	\$ 431,301	-	\$ -
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY WORK)	13,146	\$ 582,242	-	\$ -
WATER WELL DRILLER	12,304	\$ 453,830	-	\$ -
TREE TRIMMER (HIGH VOLTAGE LINE CLEARANCE)	1,422	\$ 36,006	-	\$ -
TELECOMMUNICATIONS TECHNICIAN	1,160	\$ 37,245	-	\$ -
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	856	\$ 30,780	-	\$ -
DREDGER OPERATING ENGINEER	831	\$ 33,307	-	\$ -
LANDSCAPE MAINTENANCE LABORER	795	\$ 20,677	-	\$ -
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	\$ 24,481	-	\$ -
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER - HEAVY & HIGHWAY WORK)	282	\$ 12,787	-	\$ -
SLURRY SEAL WORKER	271	\$ 6,316	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAINTER (PAINTER)	257	\$ 8,290	-	\$ -
IRONWORKER (DB)	80	\$ 2,772	-	\$ -
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	\$ 291	-	\$ -
<b>Total Non-Apprenticeable</b>	<b>410,547</b>	<b>\$ 20,564,380</b>	<b>8,884</b>	<b>\$ 451,942</b>
<b>Total Apprenticable</b>	<b>6,314,513</b>	<b>\$ 239,400,028</b>	<b>199,643</b>	<b>\$ 8,000,580</b>
<b>Total WSIP PLA</b>	<b>6,725,060</b>	<b>\$ 259,964,408</b>	<b>208,527</b>	<b>\$ 8,452,522</b>

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

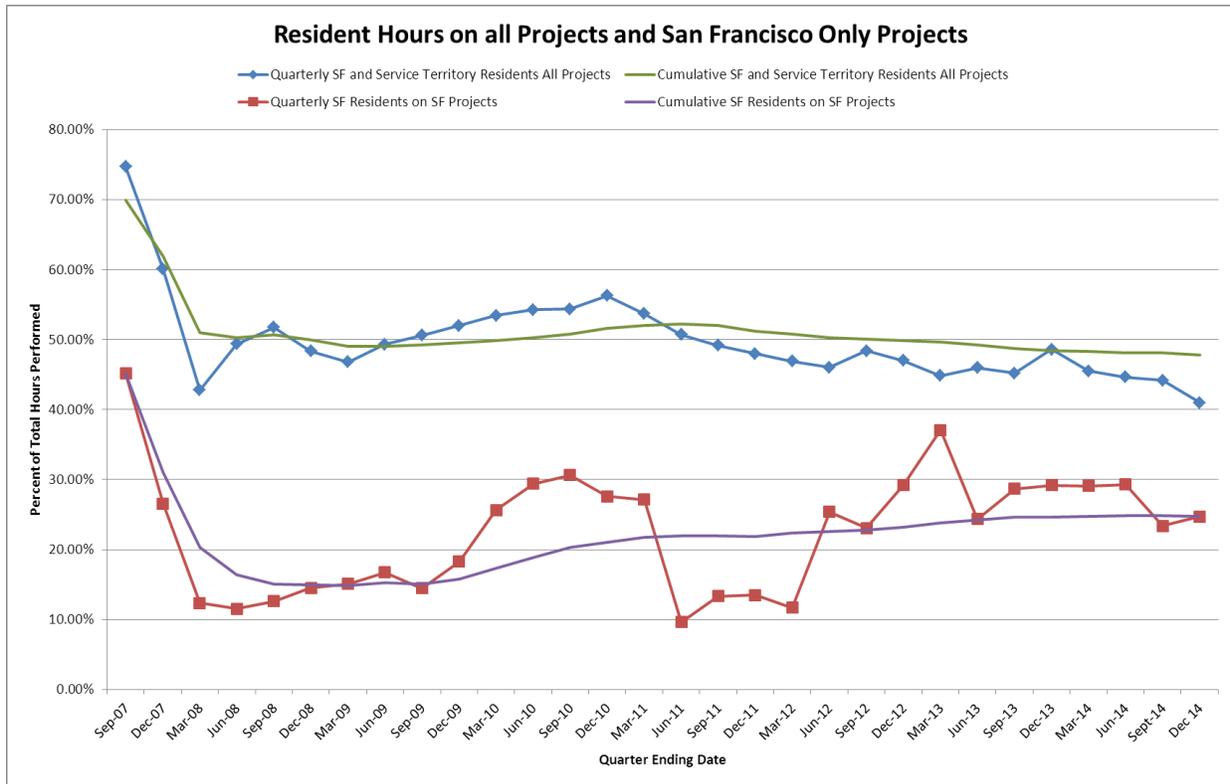


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**Worker Residence on the WSIP PLA**

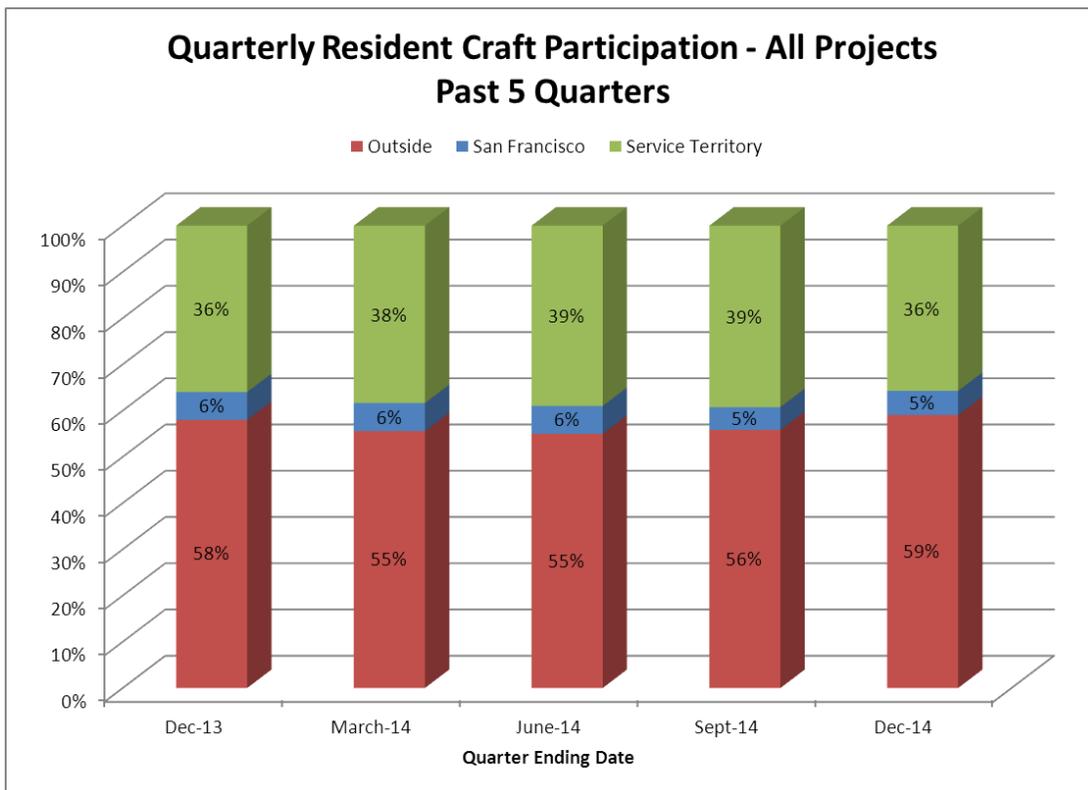
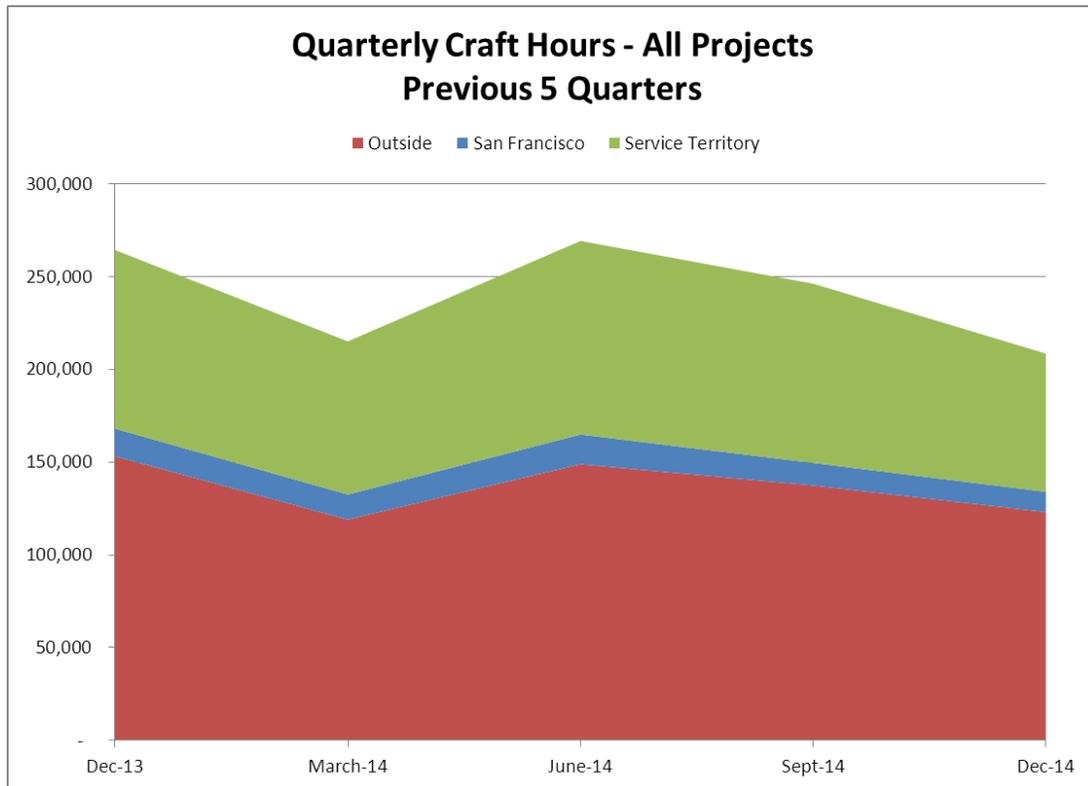
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, plus zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Service Territory on projects covered by the WSIP PLA through December 31, 2014.



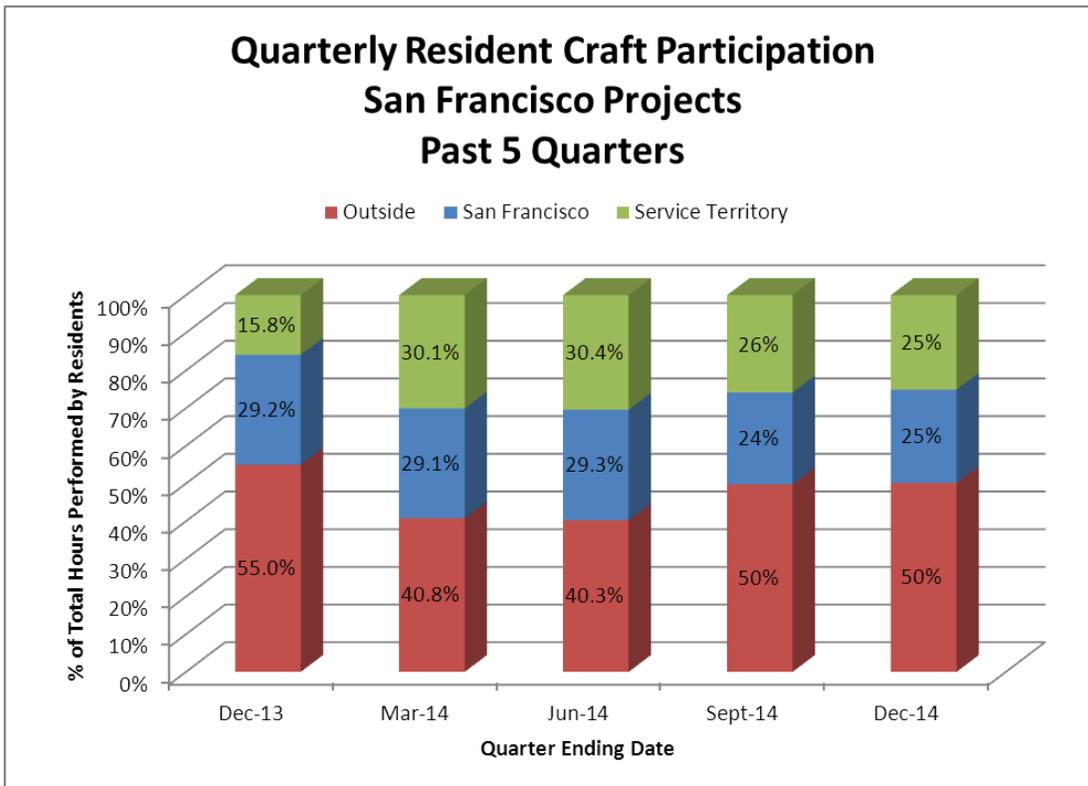
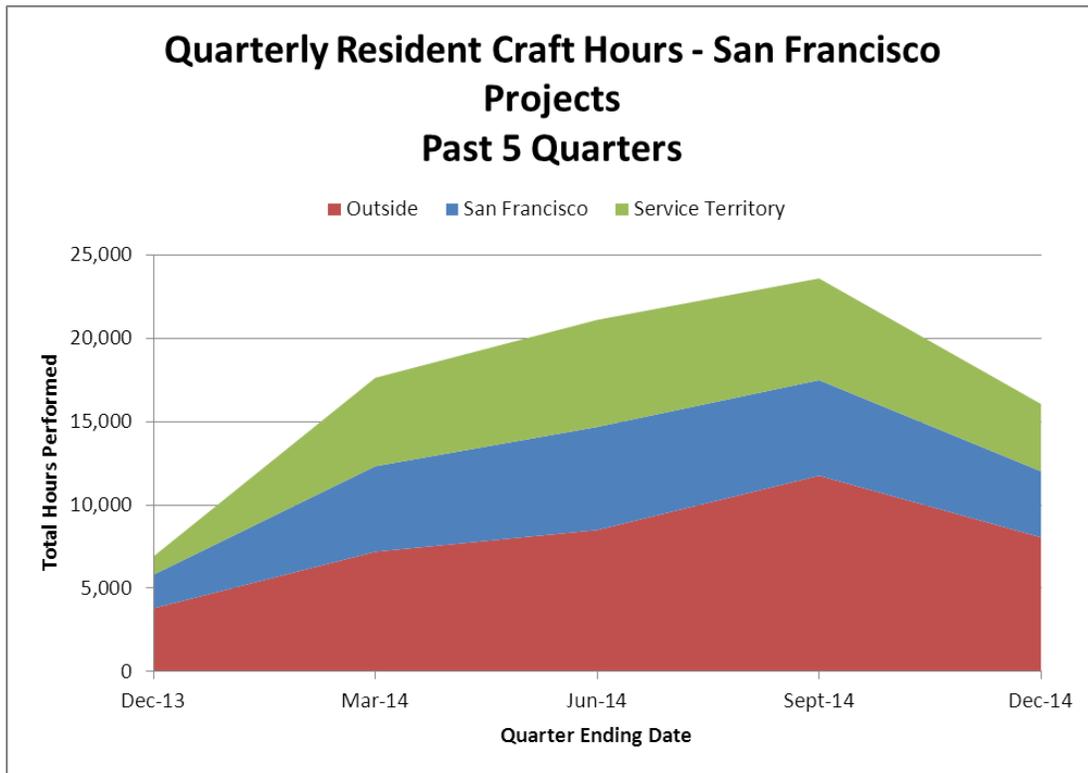
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**Residence on All WSIP PLA Projects**-The total 48 projects covered under the WSIP PLA within San Francisco and the Service Territory.



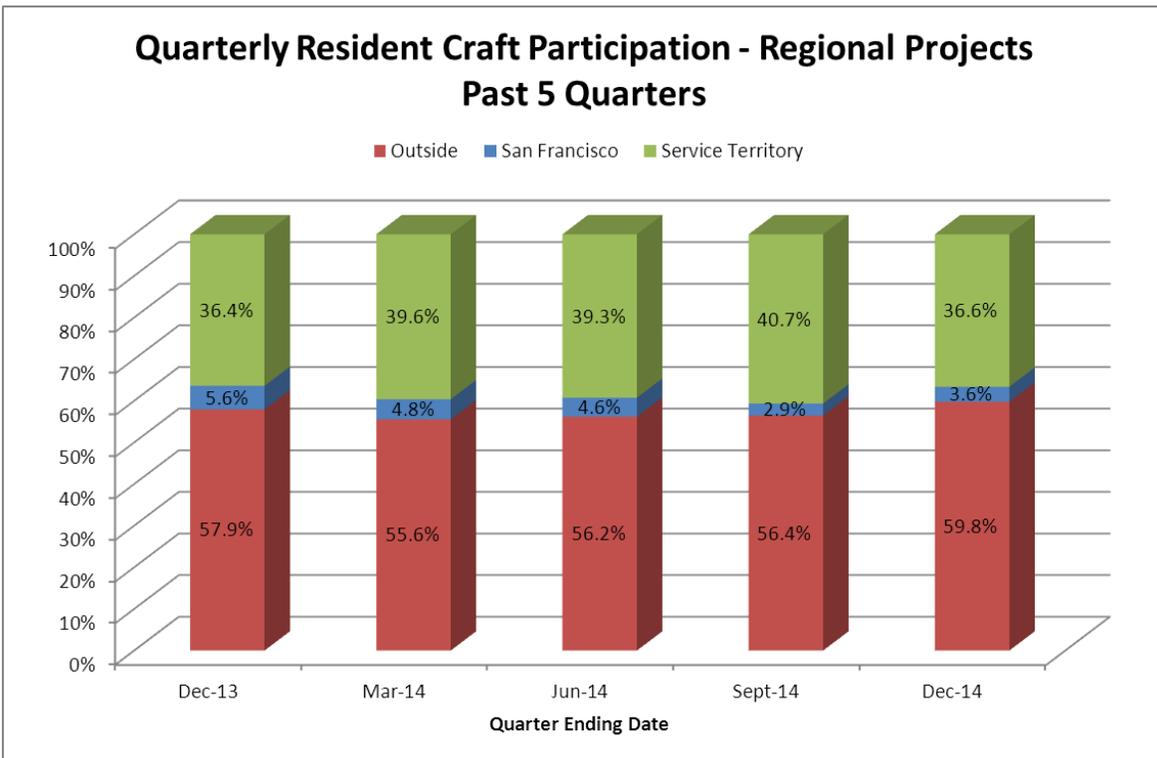
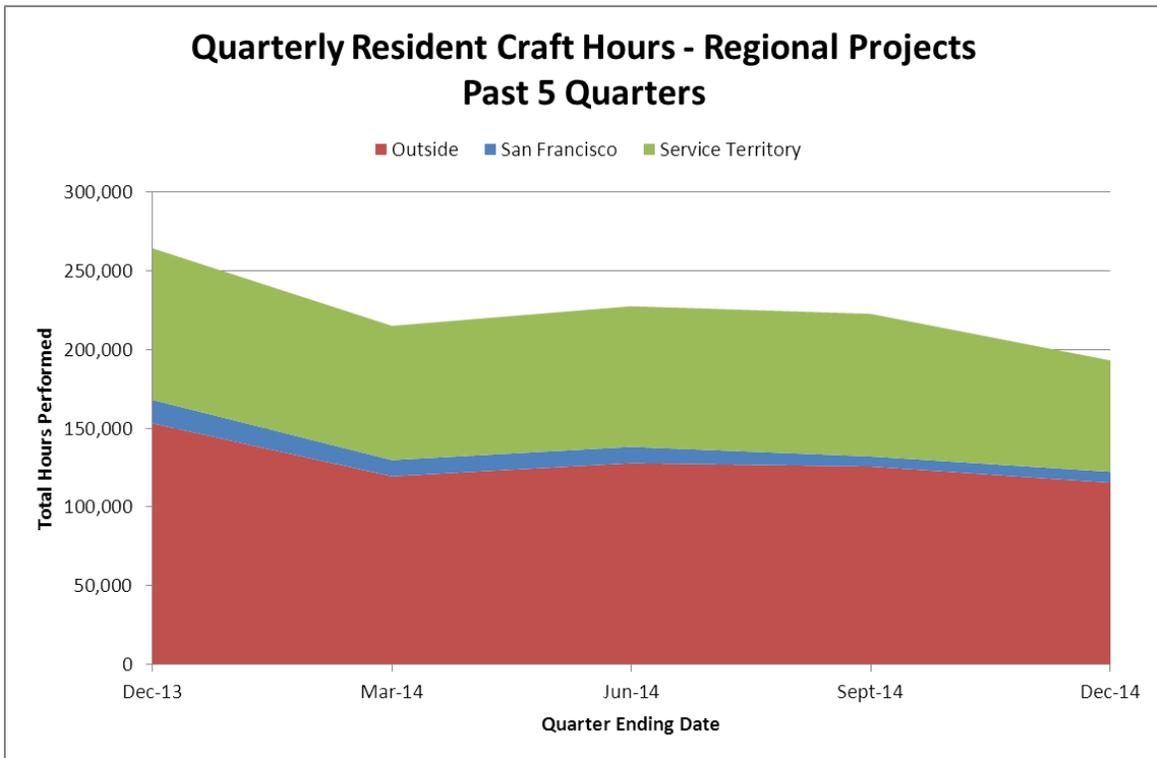
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**Residence on San Francisco located WSIP PLA Projects**-The 12 projects covered by the WSIP PLA located within San Francisco only.



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**Residence on Regionally-located WSIP PLA Projects**-The 35 projects covered by the WSIP PLA located within the Service Territory.



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**Residence by County**

<b>WSIP-PLA Employment by Top 20 Counties of Residence</b>					
Inception Through December 31, 2014					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda	1,150,586	\$ 42,267,337	17.1%	3,296	553
Contra Costa	902,597	\$ 34,498,869	13.4%	2,418	434
San Mateo	693,190	\$ 27,083,986	10.3%	1,437	333
San Joaquin	619,875	\$ 22,621,172	9.2%	1,391	298
<b>San Francisco</b>	<b>486,807</b>	<b>\$ 17,974,393</b>	<b>7.2%</b>	<b>1,251</b>	<b>234</b>
Santa Clara	382,712	\$ 15,549,414	5.7%	1,473	184
Solano	324,261	\$ 12,634,376	4.8%	937	156
Sacramento	283,050	\$ 10,798,059	4.2%	620	136
Stanislaus	279,879	\$ 9,962,850	4.2%	646	135
Butte	176,248	\$ 6,851,156	2.6%	132	85
Sonoma	145,187	\$ 5,759,642	2.2%	374	70
Calaveras	83,278	\$ 3,605,760	1.2%	93	40
Tuolumne	79,844	\$ 2,998,514	1.2%	93	38
Los Angeles	64,400	\$ 2,726,145	1.0%	147	31
Yolo	62,080	\$ 2,377,048	0.9%	109	30
Placer	61,520	\$ 2,402,788	0.9%	131	30
Clark	60,862	\$ 2,679,707	0.9%	63	29
El Dorado	54,413	\$ 2,117,675	0.8%	118	26
NAPA	52,672	\$ 2,298,006	0.8%	100	25
Riverside	52,388	\$ 2,296,180	0.8%	125	25
<b>Top 20 Counties by Hours</b>	<b>6,015,849</b>	<b>\$ 229,503,077</b>	<b>89.5%</b>	<b>14,954</b>	<b>2,892</b>
All Other Counties	709,211	\$ 30,461,332	10.5%	1,222	341
<b>WSIP-PLA Total</b>	<b>6,725,060</b>	<b>\$ 259,964,408</b>	<b>100.0%</b>	<b>16,176</b>	<b>3,233</b>

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**San Francisco Residents by Zip Code**

<b>Employment by San Francisco Zip Code</b>					
Inception Through December 31, 2014					
San Francisco County Zip Code	Total Workers				
	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
94112	86,275	\$ 2,996,947	17.7%	160	41
94110	71,649	\$ 2,433,402	14.7%	137	34
94124	69,773	\$ 2,633,851	14.3%	185	34
94116	53,281	\$ 2,555,979	10.9%	67	26
94134	40,711	\$ 1,227,386	8.4%	98	20
94122	24,813	\$ 1,103,743	5.1%	49	12
94121	23,978	\$ 949,096	4.9%	39	12
94103	20,320	\$ 616,466	4.2%	28	10
94127	18,722	\$ 671,817	3.8%	16	9
94118	8,317	\$ 407,404	1.7%	18	4
94107	8,052	\$ 306,273	1.7%	18	4
94102	8,039	\$ 361,504	1.7%	16	4
94117	7,853	\$ 195,159	1.6%	16	4
94132	7,588	\$ 306,019	1.6%	26	4
94131	7,343	\$ 278,708	1.5%	16	4
94133	4,680	\$ 167,618	1.0%	6	2
94114	4,662	\$ 180,484	1.0%	12	2
94164	3,451	\$ 98,256	0.7%	2	2
94109	3,363	\$ 98,964	0.7%	18	2
94108	3,260	\$ 69,997	0.7%	8	2
94130	3,168	\$ 67,771	0.7%	7	2
94115	1,614	\$ 48,377	0.3%	16	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%	3	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	0.1%	1	0
94166	191	\$ 14,325	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
<b>San Francisco Total</b>	<b>486,807</b>	<b>17,974,393</b>	<b>100%</b>	<b>986</b>	<b>234</b>
<b>WSIP-PLA Total</b>	<b>6,725,060</b>	<b>\$ 259,964,408</b>	<b>100%</b>	<b>16,176</b>	<b>3,233</b>

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**Residence by Craft**

Cumulative Employment of Residents By Craft							
Inception Through December 31, 2014							
Craft	Total Hours	San Francisco Hours	Service Territory Hours	Outside Hours	% San Francisco Hours	% Service Territory Hours	% Outside Hours
OPERATING ENGINEER (HEAVY	859,153	16,543	337,111	505,499	1.9%	39.2%	58.8%
CARPENTER AND RELATED TRA	580,654	72,523	242,692	265,439	12.5%	41.8%	45.7%
TUNNEL WORKER (LABORER)	556,153	10,478	225,806	319,869	1.9%	40.6%	57.5%
OPERATING ENGINEER	443,915	40,049	153,071	250,796	9.0%	34.5%	56.5%
PLUMBER	394,276	80,304	128,308	185,664	20.4%	32.5%	47.1%
ELECTRICIAN	366,255	21,719	216,209	128,328	5.9%	59.0%	35.0%
IRON WORKER	223,366	18,340	81,890	123,137	8.2%	36.7%	55.1%
PILE DRIVER (CARPENTER)	152,358	6,321	41,067	104,970	4.1%	27.0%	68.9%
PAINTER	128,281	7,479	12,426	108,376	5.8%	9.7%	84.5%
BOILERMAKER-BLACKSMITH	107,857	48	21,234	86,575	0.0%	19.7%	80.3%
CEMENT MASON	102,719	5,546	44,666	52,507	5.4%	43.5%	51.1%
PILE DRIVER (OPERATING ENG	51,905	499	8,255	43,151	1.0%	15.9%	83.1%
BUILDING/CONSTRUCTION INS	48,755	5,633	7,772	35,350	11.6%	15.9%	72.5%
ROOFER	42,557	2,247	22,532	17,778	5.3%	52.9%	41.8%
FIELD SURVEYOR	19,090	1,334	3,727	14,029	7.0%	19.5%	73.5%
SHEET METAL WORKER	13,296	415	8,552	4,329	3.1%	64.3%	32.6%
DRYWALL INSTALLER/LATHER	10,360	1,218	2,115	7,028	11.8%	20.4%	67.8%
BRICKLAYER, BLOCKLAYER	8,303	82	4,305	3,917	1.0%	51.8%	47.2%
ELECTRICAL UTILITY LINEMAN	6,364	-	195	6,169	0.0%	3.1%	96.9%
GLAZIER	3,763	958	1,024	1,782	25.4%	27.2%	47.4%
PLASTERER	2,618	1,110	496	1,013	42.4%	18.9%	38.7%
OPERATING ENGINEER (SPECIA	2,268	47	1,161	1,060	2.1%	51.2%	46.7%
BRICK TENDER	773	287	19	467	37.1%	2.5%	60.4%
PARKING AND HIGHWAY IMPR	696	-	370	326	0.0%	53.2%	46.8%
PLASTER TENDER	693	616	77	-	88.9%	11.1%	0.0%
ASBESTOS WORKER, HEAT AND	507	-	197	310	0.0%	38.9%	61.1%
CARPET, LINOLEUM, SOFT FLO	302	6	57	239	2.0%	18.9%	79.1%
TILE SETTER	282	-	280	2	0.0%	99.3%	0.7%
TILE FINISHER	277	-	237	40	0.0%	85.6%	14.4%
METAL ROOFING SYSTEMS INS	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%
<b>Apprenticeable</b>	<b>4,128,406</b>	<b>293,798</b>	<b>1,566,028</b>	<b>2,268,580</b>	<b>7.1%</b>	<b>37.9%</b>	<b>55.0%</b>
LABORER	2,186,107	164,714	949,533	1,071,860	7.5%	43.4%	49.0%
<b>Non-Apprenticeable</b>							
TEAMSTER	109,104	9,031	58,234	41,839	8.3%	53.4%	38.3%
DRIVER (ON/OFF-HAULING TO	89,848	14,227	60,046	15,576	15.8%	66.8%	17.3%
OPERATING ENGINEER (HEAVY	84,760	-	34,772	49,988	0.0%	41.0%	59.0%
TUNNEL/UNDERGROUND (OPE	77,731	70	44,357	33,304	0.1%	57.1%	42.8%
ASBESTOS REMOVAL WORKER	17,057	887	2,256	13,914	5.2%	13.2%	81.6%
TUNNEL/UNDERGROUND (OPE	13,146	-	3,850	9,296	0.0%	29.3%	70.7%
WATER WELL DRILLER	12,304	-	7,533	4,771	0.0%	61.2%	38.8%
TREE TRIMMER (HIGH VOLTAG	1,422	32	1,191	199	2.3%	83.8%	14.0%
TELECOMMUNICATIONS TECH	1,160	-	1,088	72	0.0%	93.8%	6.2%
TRAFFIC CONTROL/LANE CLOS	856	-	668	188	0.0%	78.1%	21.9%
DREDGER OPERATING ENGINE	831	-	-	831	0.0%	0.0%	100.0%
LANDSCAPE MAINTENANCE LA	795	16	614	165	2.0%	77.2%	20.8%
OPERATING ENGINEER (BUILD	635	133	229	273	20.9%	36.1%	43.0%
STEEL ERECTOR AND FABRICAT	282	-	282	-	0.0%	100.0%	0.0%
SLURRY SEAL WORKER	271	-	138	133	0.0%	50.9%	49.1%
PARKING AND HIGHWAY IMPR	257	-	163	94	0.0%	63.4%	36.6%
IRONWORKER (DB)	80	-	-	80	0.0%	0.0%	100.0%
TEAMSTER (SPECIAL SINGLE SH	11	-	-	11	0.0%	0.0%	100.0%
<b>Total Non-Apprenticeable</b>	<b>410,547</b>	<b>24,396</b>	<b>215,420</b>	<b>170,731</b>	<b>5.9%</b>	<b>52.5%</b>	<b>41.6%</b>
<b>Total WSIP PLA</b>	<b>6,725,060</b>	<b>482,908</b>	<b>2,730,980</b>	<b>3,511,172</b>	<b>7.2%</b>	<b>40.6%</b>	<b>52.2%</b>

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**Residence by Project**

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary through 12/31/2014							
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 Long-Term	935,494	60,225	345,754	529,516	6.4%	37.0%	56.6%
*WD-2581 - New Irvington Tunnel	632,939	2,771	259,700	370,469	0.4%	41.0%	58.5%
*WD-2551 Calaveras Dam Replacement Project	575,433	2,770	178,013	394,650	0.5%	30.9%	68.6%
*WD-2531 - Bay Division Pipelines Reliability Upgrade	546,154	17,778	313,447	214,930	3.3%	57.4%	39.4%
*WD-2601 - Crystal Springs / San Andreas Transmission	482,868	25,181	190,054	267,633	5.2%	39.4%	55.4%
WD-2582 - Sunol Valley Water Treatment Plant and Treatment	462,409	11,320	193,094	257,996	2.4%	41.8%	55.8%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reach	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 Reach	208,220	14,155	83,024	111,042	6.8%	39.9%	53.3%
WD-2539 - University Mound Reservoir North Basin Seismic	187,025	50,004	44,746	92,276	26.7%	23.9%	49.3%
*WD-2627R Sutro Reservoir Rehabilitation and Seismic	150,344	48,345	37,582	64,418	32.2%	25.0%	42.8%
HH-935C - San Joaquin Pipeline System - Eastern Segment	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-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) Tunnel	117,809	6,825	61,030	49,955	5.8%	51.8%	42.4%
*WD-2629 Seismic Upgrade of Bay Division Pipeline No. 5	104,608	1,194	39,425	63,990	1.1%	37.7%	61.2%
WD-2548 - Lake Merced Pump Station Essential Upgrade	101,056	23,185	27,208	50,663	22.9%	26.9%	50.1%
HH-935B - San Joaquin Pipeline System - Western Segment	100,478	426	42,710	57,342	0.4%	42.5%	57.1%
WD-2591 - Lower Crystal Springs Dam Improvements	98,686	5,022	57,610	36,055	5.1%	58.4%	36.5%
WD-2652 Bioregional Habitat Restoration, San Antonio	96,382	1,839	37,178	57,366	1.9%	38.6%	59.5%
HH-935A - San Joaquin Pipeline System - Crossovers	84,472	158	45,733	38,581	0.2%	54.1%	45.7%
WD-2513 - San Andreas Pipeline No.3 Installation Project	82,356	6,294	26,717	49,345	7.6%	32.4%	59.9%
WD-2504 - Stanford Heights Reservoir Seismic Retrofit	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-2575 San Antonio Backup Pipeline	72,552	9,862	27,371	35,319	13.6%	37.7%	48.7%
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 Structural Rehabilitation	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-2564 - Harry Tracy Water Treatment Plant - Short Term	43,047	7,220	12,709	23,118	16.8%	29.5%	53.7%
WD-2641R Habitat Reserve Program, Homestead Pond	41,305	6,578	10,833	23,894	15.9%	26.2%	57.8%
WD-2469 - Forest Knolls Pump Station and Storage Tank	26,552	3,844	8,139	14,569	14.5%	30.7%	54.9%
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-2665 Bay Division Pipeline Reliability Upgrade Project	21,967	341	6,958	14,668	1.6%	31.7%	66.8%
WD-2651R Peninsula 2011 Watershed Compensation, San Antonio	20,701	557	9,745	10,399	2.7%	47.1%	50.2%
WD-2556 - Baden and San Pedro Valve Lot Improvements	19,937	4,570	10,632	4,735	22.9%	53.3%	23.8%
*WD-2666 Bioregional Habitat Restoration, Sheep Canyon	19,338	46	7,009	12,284	0.2%	36.2%	63.5%
WD-2566 - San Antonio Pump Station Upgrades Project	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%
*WD-2727 Peninsula Pipeline Seismic Upgrade	12,171	3,275	3,006	5,890	26.9%	24.7%	48.4%
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	10,413	1,187	4,166	5,060	11.4%	40.0%	48.6%
*WD-2622 San Francisco Groundwater Supply Pipeline	9,009	1,642	1,828	5,540	18.2%	20.3%	61.5%
WD-2600 Regional Groundwater Storage and Recovery	6,088	-	296	5,792	0.0%	4.9%	95.1%
WD-2589 - Supervisory Control and Data Acquisition System	1,498	113	242	1,144	7.6%	16.1%	76.3%
<b>Total WSIP PLA</b>	<b>6,725,060</b>	<b>482,908</b>	<b>2,730,980</b>	<b>3,511,172</b>	<b>7%</b>	<b>41%</b>	<b>52%</b>

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**Apprentice Utilization**

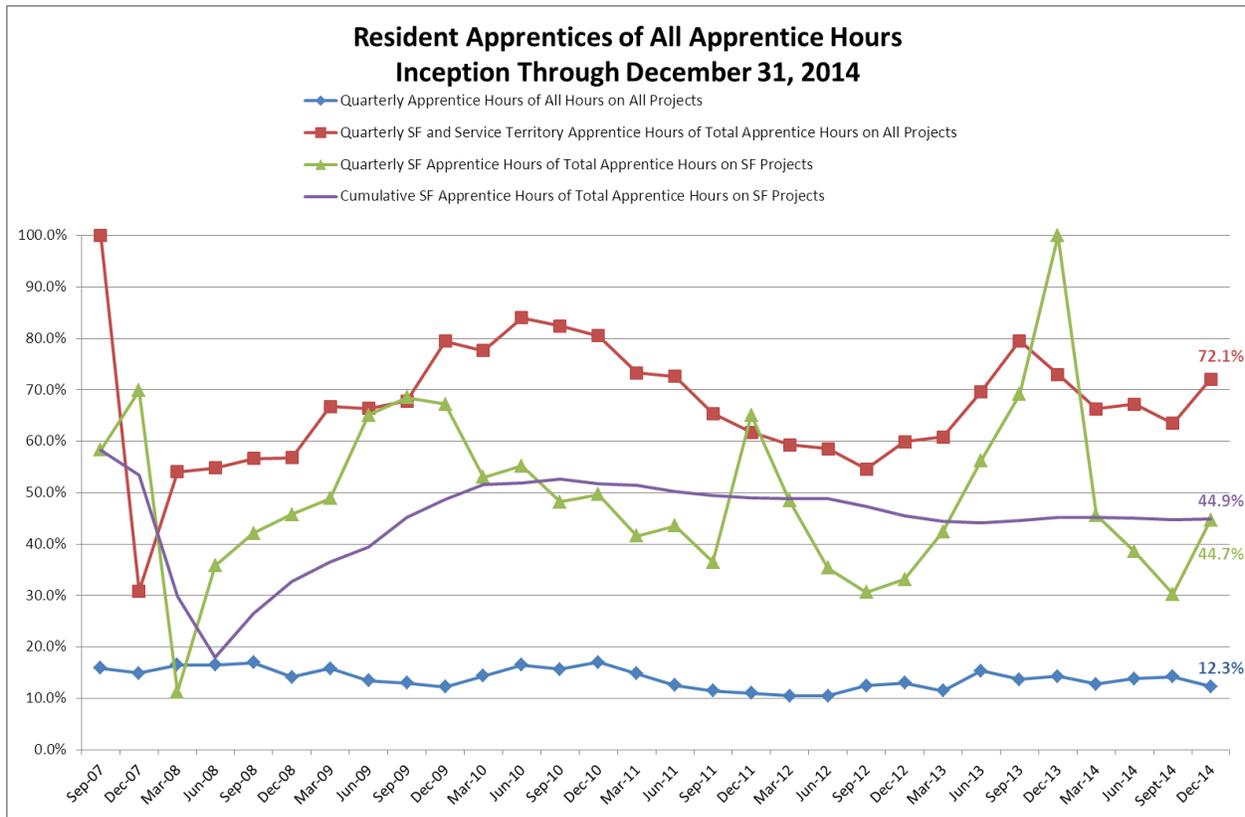
The WSIP PLA supports the Apprentice ratios provided by the State of California, Division of Apprenticeship Standards, generally 1 Apprentice hour to every 5 journey-level hours.

Through end of the current quarter, 13% of craft hours in Apprenticeable trades have been worked by Apprentices. 19% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Service Territory, or 72% combined.

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	859,153	20,655	3,912	11,451	5,293	2.4%	0.5%	1.3%	18.9%	55.4%	25.6%
A - CARPENTER AND RELATED TRA	580,654	91,909	26,125	42,080	23,704	15.8%	4.5%	7.2%	28.4%	45.8%	25.8%
A - TUNNEL WORKER (LABORER)	556,153	-	-	-	-						
A - OPERATING ENGINEER	443,915	141,280	24,418	54,007	62,855	31.8%	5.5%	12.2%	17.3%	38.2%	44.5%
A - PLUMBER	394,276	111,243	32,184	54,055	25,004	28.2%	8.2%	13.7%	28.9%	48.6%	22.5%
A - ELECTRICIAN	366,255	69,203	7,565	47,532	14,106	18.9%	2.1%	13.0%	10.9%	68.7%	20.4%
A - IRON WORKER	223,366	50,258	11,735	20,859	17,664	22.5%	5.3%	9.3%	23.3%	41.5%	35.1%
A - PILE DRIVER (CARPENTER)	152,358	9,558	4,246	3,420	1,893	6.3%	2.8%	2.2%	44.4%	35.8%	19.8%
A - PAINTER	128,281	21,563	1,793	3,265	16,505	16.8%	1.4%	2.5%	8.3%	15.1%	76.5%
A - BOILERMAKER-BLACKSMITH	107,857	2,761	40	1,882	840	2.6%		1.7%	1.4%	68.1%	30.4%
A - CEMENT MASON	102,719	4,854	3,558	144	1,152	4.7%	3.5%	0.1%	73.3%	3.0%	23.7%
A - PILE DRIVER (OPERATING ENGI	51,905	30	-	-	30	0.1%					100.0%
A - BUILDING/CONSTRUCTION INST	48,755	194	5	81	108	0.4%		0.2%	2.6%	41.9%	55.6%
A - ROOFER	42,557	10,068	1,121	4,739	4,208	23.7%	2.6%	11.1%	11.1%	47.1%	41.8%
A - FIELD SURVEYOR	19,090	257	-	66	191	1.3%		0.3%		25.7%	74.3%
A - SHEET METAL WORKER	13,296	1,570	16	919	635	11.8%	0.1%	6.9%	1.0%	58.5%	40.5%
A - DRYWALL INSTALLER/LATHER (	10,360	336	115	155	66	3.2%	1.1%	1.5%	34.2%	46.1%	19.6%
A - BRICKLAYER, BLOCKLAYER	8,303	2,501	82	573	1,846	30.1%	1.0%	6.9%	3.3%	22.9%	73.8%
A - ELECTRICAL UTILITY LINEMAN	6,364	79	-	79	-	1.2%		1.2%		100.0%	
A - GLAZIER	3,763	504	342	20	142	13.4%	9.1%	0.5%	67.9%	4.0%	28.2%
A - PLASTERER	2,618	347	136	-	211	13.3%	5.2%		39.2%		60.8%
A - OPERATING ENGINEER (SPECIA	2,268	567	-	452	115	25.0%		19.9%		79.7%	20.3%
A - BRICK TENDER	773	24	24	-	-	3.1%	3.1%		100.0%		
A - PARKING AND HIGHWAY IMPRO	696	-	-	-	-						
A - PLASTER TENDER	693	-	-	-	-						
A - ASBESTOS WORKER, HEAT AND	507	-	-	-	-						
A - CARPET, LINOLEUM, SOFT FLOC	302	12	-	12	-	4.0%		4.0%		100.0%	
A - TILE SETTER	282	20	-	20	-	7.1%		7.1%		100.0%	
A - TILE FINISHER	277	40	-	-	40	14.4%					100.0%
A - METAL ROOFING SYSTEMS INST	201	-	-	-	-						
A - TERRAZZO WORKER	199	-	-	-	-						
A - SHEET METAL WORKER (HVAC)	172	8	-	8	-	4.7%		4.7%		100.0%	
A - MARBLE FINISHER	40	-	-	-	-						
A - TERRAZZO FINISHER	4	-	-	-	-						
<b>Sub-Total Apprenticeable</b>	<b>4,128,406</b>	<b>539,837</b>	<b>117,417</b>	<b>245,815</b>	<b>176,606</b>	<b>13.1%</b>	<b>2.8%</b>	<b>6.0%</b>	<b>22%</b>	<b>46%</b>	<b>33%</b>
A - LABORER	2,186,107	289,533	37,271	193,994	58,268	13.2%	1.7%	8.9%	13%	67%	20%
A - OPERATING ENGINEER (COMBI	1,357,241	162,531	28,330	65,909	68,293	12.0%	2.1%	4.9%	17%	41%	42%
<b>Total Apprenticeable</b>	<b>6,314,513</b>	<b>829,370</b>	<b>154,687</b>	<b>439,808</b>	<b>234,875</b>	<b>13.1%</b>	<b>2.4%</b>	<b>7.0%</b>	<b>19%</b>	<b>53%</b>	<b>28%</b>
<b>Total Non-Apprenticeable</b>	<b>410,547</b>										
<b>Total WSIP - Covered by PLA</b>	<b>6,725,060</b>										

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For the three months ending December, 31 2014, 44.7% of Apprentice Hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). This is up nearly 15% from last quarter.



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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 14.5%. This is slightly higher than the 13% mentioned in the Apprentice Utilization by Craft page because in this chart we use the Total Apprenticeable and Labor Hours which is slightly lower than the Total Craft Hours we use to calculate the percentage for craft.

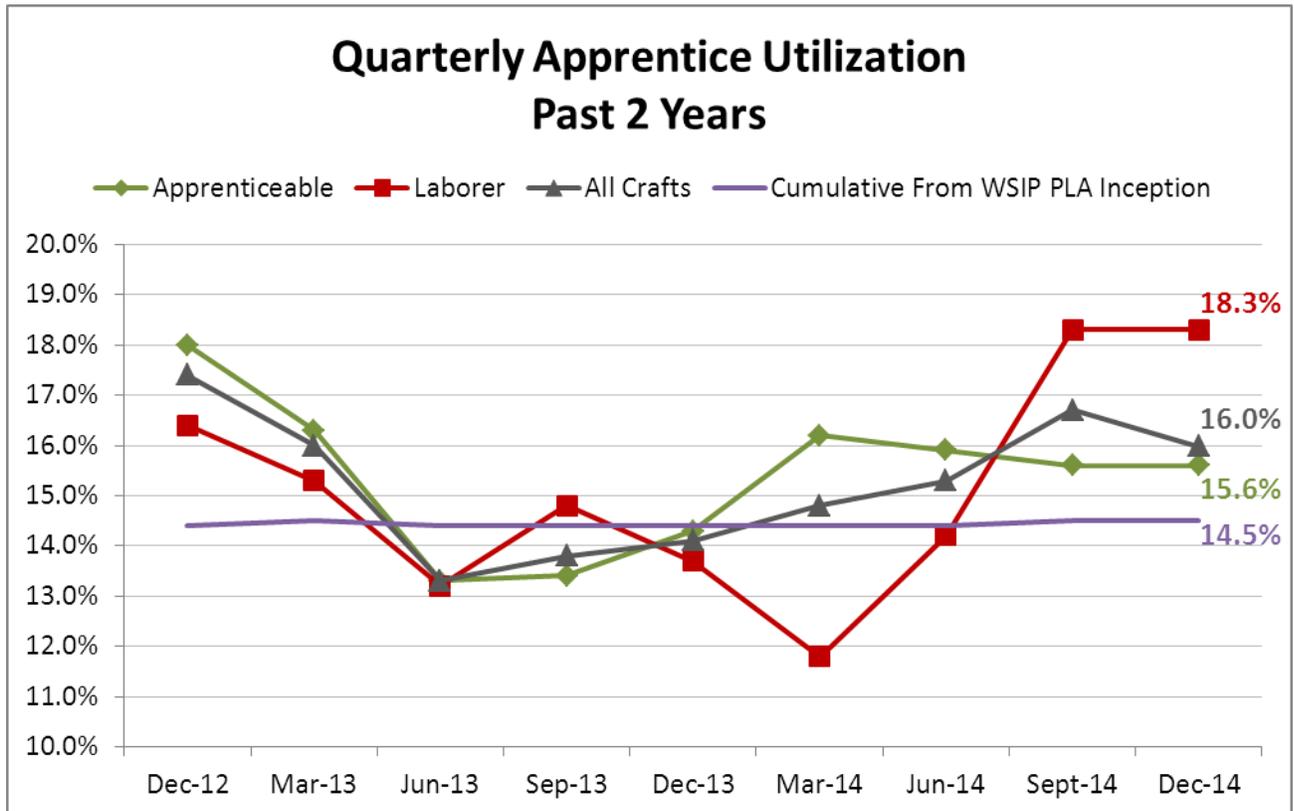
WSIP - Covered by PLA Apprentice Utilization by Project Inception through December 31, 2014											
Project	Apprentice Utilization by Project										
	All Workers Hours					Apprentice Hours			Apprentice Utilization %		
	Total Craft Hours	Total Hours of Apprenticeable Trades	Total Laborer Hours**	Total Apprenticeable and Laborer Hours	Total Non-Apprenticeable 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%	35.0%
HH-953 - Tesla Portal Protection	11,512	4,377	7,002	11,379	133	487	2,768	3,255	11%	40%	28.6%
WD-2498 - New Crystal Springs Bypass	117,809	51,330	11,543	62,872	54,937	12,356	5,252	17,607	24%	46%	28.0%
*WD-2727 Peninsula Pipeline Seismic	12,171	5,039	6,858	11,897	274	1,214	1,419	2,633	24%	21%	22.1%
DB-116 - Tesla Treatment Facility	141,840	97,724	42,254	139,977	1,863	16,580	10,380	26,960	17%	25%	19.3%
WD-2651R Peninsula 2011 Watershed	20,701	4,777	12,686	17,463	3,239	763	2,372	3,135	16%	19%	17.9%
WD-2641R Habitat Reserve Program, H	41,305	7,306	33,948	41,253	52	1,467	5,824	7,291	20%	17%	17.7%
WD-2552 - Alameda Siphon No. 4 Proje	129,478	75,394	46,075	121,469	8,009	11,675	9,053	20,728	16%	20%	17.1%
WD-2652 Bioregional Habitat Restorat	96,382	19,404	74,452	93,856	2,526	1,468	14,565	16,033	8%	20%	17.1%
*WD-2581 - New Irvington Tunnel	632,939	198,612	69,416	268,028	364,911	28,248	17,417	45,665	14%	25%	17.0%
*WD-2575 San Antonio Backup Pipeline	72,552	46,964	24,588	71,552	1,000	5,920	5,869	11,789	13%	24%	16.5%
WD-2539 - University Mound Reservoir	187,025	106,325	79,502	185,827	1,199	23,847	6,500	30,346	22%	8%	16.3%
WD-2573 - Pulgas Balancing Reservoir	50,372	35,367	14,695	50,061	310	7,152	673	7,825	20%	5%	15.6%
HH-914R - Roselle Crossover Improven	12,859	7,968	4,729	12,697	163	1,384	559	1,943	17%	12%	15.3%
WD-2582 - Sunol Valley Water Treatme	462,409	293,845	155,551	449,396	13,013	49,266	19,350	68,616	17%	12%	15.3%
*WD-2596 - Harry Tracy Water Treatm	935,494	614,339	281,194	895,533	39,961	100,994	35,003	135,997	16%	12%	15.2%
WD-2640 Bioregional Habitat Restorat	10,413	4,487	5,113	9,601	813	701	754	1,455	16%	15%	15.2%
*WD-2627R Sutro Reservoir Rehabilita	150,344	75,004	66,453	141,457	8,887	15,391	5,061	20,452	21%	8%	14.5%
WD-2600 Regional Groundwater Stora	6,088	-	2,061	2,061	4,027	-	296	296	0%	14%	14.3%
*WD-2531 - Bay Division Pipelines Rel	546,154	148,644	73,796	222,440	323,715	13,795	17,495	31,290	9%	24%	14.1%
WD-2556 - Baden and San Pedro Valve	19,937	11,044	8,550	19,593	344	951	1,788	2,738	9%	21%	14.0%
*WD-2629 Seismic Upgrade of Bay Div	104,608	59,234	43,867	103,101	1,508	7,096	7,214	14,310	12%	16%	13.9%
WD-2504 - Stanford Heights Reservoir	74,299	40,451	33,849	74,299	-	9,134	757	9,891	23%	2%	13.3%
WD-2513 - San Andreas Pipeline No.3 f	82,356	28,627	42,909	71,535	10,820	3,994	5,317	9,311	14%	12%	13.0%
*WD-2622 San Francisco Groundwater	9,009	2,030	5,907	7,936	1,073	222	814	1,036	11%	14%	13.0%
*WD-2551 Calaveras Dam Replacemer	575,433	330,435	213,821	544,255	31,178	33,243	36,697	69,939	10%	17%	12.9%
WD-2566 - San Antonio Pump Station U	14,916	8,241	6,539	14,779	137	859	939	1,798	10%	14%	12.2%
HH-935C - San Joaquin Pipeline System	144,007	89,193	52,974	142,167	1,840	8,862	8,401	17,263	10%	16%	12.1%
WD-2469 - Forest Knolls Pump Station	26,552	17,167	9,337	26,503	49	2,888	19	2,907	17%	0%	11.0%
WD-2555 - Crystal Springs Pipeline No.	127,743	49,079	68,938	118,016	9,727	7,559	5,394	12,953	15%	8%	11.0%
WD-2548 - Lake Merced Pump Station	101,056	72,288	26,504	98,792	2,264	10,678	137	10,815	15%	1%	10.9%
HH-935A - San Joaquin Pipeline System	84,472	53,738	29,895	83,633	839	5,351	3,652	9,003	10%	12%	10.8%
*WD-2601 - Crystal Springs / San Andr	482,868	294,464	130,345	424,809	58,059	35,078	10,835	45,913	12%	8%	10.8%
HH-935B - San Joaquin Pipeline System	100,478	52,964	35,598	88,561	11,917	4,059	5,243	9,302	8%	15%	10.5%
WD-2501 - Alemany Pump Station	74,094	54,304	19,741	74,046	48	7,406	223	7,629	14%	1%	10.3%
WD-2541 - Bay Division Pipeline No. 5	208,220	89,081	106,342	195,423	12,797	10,018	10,170	20,188	11%	10%	10.3%
WD-2542 - Bay Division Pipeline No. 5	287,972	90,615	165,904	256,518	31,454	7,049	19,153	26,202	8%	12%	10.2%
WD-2568 - BDPL Nos. 3&4 Crossover F	47,910	31,539	14,278	45,817	2,093	3,818	720	4,538	12%	5%	9.9%
*WD-2666 Bioregional Habitat Restora	19,338	13,044	6,294	19,338	-	228	1,527	1,755	2%	24%	9.1%
WD-2591 - Lower Crystal Springs Dam	98,686	40,896	56,467	97,363	1,323	4,833	3,853	8,685	12%	7%	8.9%
WD-2665 Bay Division Pipeline Reliabi	21,967	10,548	11,185	21,733	234	168	1,741	1,909	2%	16%	8.8%
WD-2589 - Supervisory Control and Da	1,498	728	771	1,498	-	115	-	115	16%	0%	7.7%
WD-2623 - Harding Park Recycled Wat	22,726	7,868	14,402	22,270	456	696	949	1,645	9%	7%	7.4%
WD-2543 - North University Mound Sys	53,226	14,375	31,800	46,175	7,051	743	2,255	2,998	5%	7%	6.5%
WD-2511 - Standby Power Facilities, Va	11,261	9,032	2,230	11,261	-	626	-	626	7%	0%	5.6%
WD-2529 - Noe Valley Transmission M	22,511	6,021	14,423	20,444	2,067	-	1,133	1,133	0%	8%	5.5%
WD-2564 - Harry Tracy Water Treatme	43,047	22,610	20,358	42,967	80	2,089	-	2,089	9%	0%	4.9%
<b>Total WSIP PLA</b>	<b>6,725,060</b>	<b>3,522,651</b>	<b>2,186,023</b>	<b>5,708,674</b>	<b>1,016,386</b>	<b>539,837</b>	<b>289,533</b>	<b>829,370</b>	<b>15%</b>	<b>13%</b>	<b>14.5%</b>

\*Active Projects

\*\*These are apprenticeable hours worked by the Labor Craft. The reason for them being separated from the "TotalHours of Apprenticeable Trades" column is to highlight the significance of their category. In some instances, the Apprentice Laborers equate to over 80% of Apprentice Hours and in many cases the percentage is over 50%.

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The following charts indicate Quarterly Apprentice Utilization over the past two years ending December 31, 2014 for Apprenticeable Trades not including Laborers', Laborers', the combined Apprenticeable Trades and Laborers' Crafts, as well as the cumulative percentage for the projects under the WSIP PLA. Over the past year, the overall Quarterly Apprentice Utilization has increased every quarter.



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**Jobs Training and Opportunities Program (JTOP)**

As of December 31, 2014, SFPUC and City staff has referred 532 Apprentices and 267 Journeypersons that participated in JTOPs to WSIP PLA-Covered Projects. These 799 individuals represent 10.5% of the total hours worked and 7.8% of the wages earned.

WSIP-PLA Referred Workers By Job Training and Opportunities Program Inception Through December 31, 2014						
Referred Apprentice Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Apprentices	% Of Total Apprentice Hours	% Of Total Apprentice Wages
CityBuild Academy	49	35,396	\$ 862,363	3.3%	4.2%	4.1%
CityBuild Referral Services	63	32,116	\$ 825,264	4.2%	3.9%	3.8%
Cypress Mandela Training Center, Inc.	35	47,305	\$ 1,102,110	2.3%	5.6%	5.1%
Helmets to Hardhats	1	3,339	\$ 80,910	0.1%	0.4%	0.4%
Job Corps	1	4,328	\$ 129,666	0.1%	0.5%	0.6%
JobTrain's Project Build	57	76,532	\$ 1,814,808	3.8%	9.3%	8.5%
Northern California Construction and Train	7	7,233	\$ 158,276	0.5%	0.9%	0.7%
San Joaquin County Office of Ed. YouthBuil	11	16,900	\$ 364,200	0.8%	2.0%	1.7%
SFPUC	63	54,378	\$ 1,411,766	4.2%	6.6%	6.6%
Sponser	6	20,348	\$ 482,339	0.4%	2.5%	2.3%
Union	239	171,494	\$ 4,312,503	16.0%	20.7%	20.2%
<b>Total Referred Apprentice Workers</b>	<b>532</b>	<b>469,365</b>	<b>\$ 11,544,205</b>	<b>35.7%</b>	<b>56.6%</b>	<b>54.0%</b>
Non-Referred Apprentices	959	360,005	\$ 9,805,153	64.3%	43.4%	45.9%
<b>Total Apprentices</b>	<b>1,491</b>	<b>829,370</b>	<b>\$ 21,349,358</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.9%</b>

Referred Journeyperson Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Journey Level Workers	% Of Total Journey Hours	% Of Total Journey Wages
CityBuild Academy	8	7,070	\$ 231,794	0.1%	0.1%	0.1%
CityBuild Referral Services	70	48,938	\$ 2,120,415	0.8%	0.9%	0.9%
Cypress Mandela Training Center, Inc.	8	8,577	\$ 274,042	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	16,323	\$ 507,328	0.2%	0.3%	0.2%
Northern California Construction and Train	1	1,640	\$ 42,809	0.0%	0.0%	0.0%
San Joaquin County Office of Ed. YouthBuil	1	222	\$ 5,099	0.0%	0.0%	0.0%
SFPUC	31	44,364	\$ 1,534,710	0.3%	0.8%	0.6%
Sponser	1	377	\$ 10,238	0.0%	0.0%	0.0%
Union	132	107,413	\$ 3,990,819	1.4%	1.8%	1.6%
<b>Total Referred Journeyperson Workers</b>	<b>267</b>	<b>234,973</b>	<b>\$ 8,719,242</b>	<b>2.9%</b>	<b>4.1%</b>	<b>3.6%</b>
Non-Referred Journeypersons	9,158	5,660,717	\$ 229,895,808	97.2%	96.0%	96.3%
<b>Total Journeypersons</b>	<b>9,425</b>	<b>5,895,690</b>	<b>\$ 238,615,050</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Total Workforce						
<b>Total Referred Workers ( J+A )</b>	<b>799</b>	<b>704,338</b>	<b>\$ 20,263,446</b>	<b>7.4%</b>	<b>10.5%</b>	<b>7.8%</b>
All Non-Referred Workers						
All Non-Referred Workers	10,010	6,020,722	\$ 239,700,961	93.2%	89.5%	92.2%
<b>Total Workforce</b>	<b>10,741</b>	<b>6,725,060</b>	<b>\$ 259,964,408</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

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

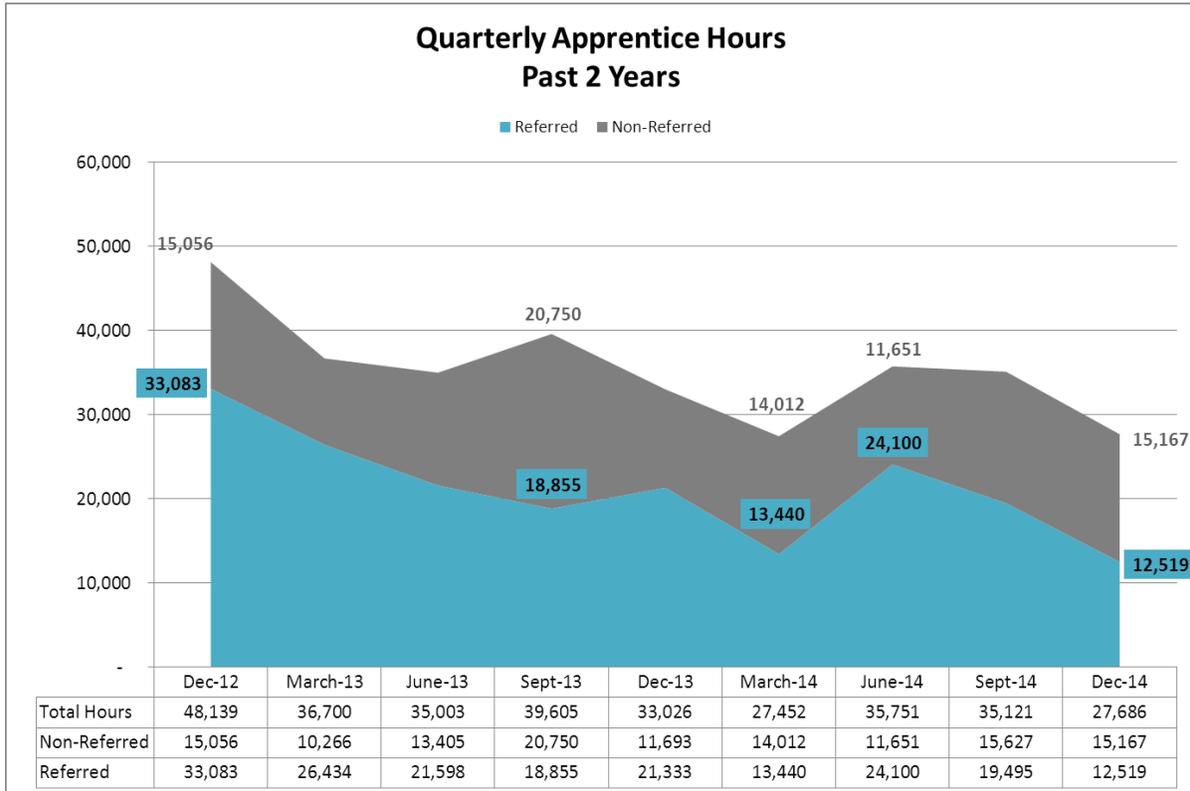
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This table illustrates *JTOP Referred Worker Utilization by Project* with the greatest total project participation listed first.

Referred Worker Utilization by WSIP-PLA Covered Project									
Inception through December 31, 2014									
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	487	11,025	3,247	865	4,112	99.8%	10.5%	35.7%
WD-2651R Peninsula 2011 Watershed Comp	20,701	763	19,938	2,372	2,199	4,571	75.7%	12.5%	22.1%
WD-2623 - Harding Park Recycled Water Pro	22,726	696	22,031	1,280	3,659	4,938	77.8%	17.4%	21.7%
HH-935C - San Joaquin Pipeline System - Ea	144,007	8,862	135,145	14,185	8,693	22,877	82.2%	6.9%	15.9%
WD-2555 - Crystal Springs Pipeline No.2 Re	127,743	7,559	120,185	12,193	7,984	20,177	94.1%	7.0%	15.8%
WD-2552 - Alameda Siphon No. 4 Project	129,478	11,675	117,803	16,749	3,356	20,105	80.8%	3.1%	15.5%
WD-2652 Bioregional Habitat Restoration, S	96,382	1,468	94,915	12,018	2,914	14,931	75.0%	3.6%	15.5%
WD-2539 - University Mound Reservoir Nor	187,025	23,847	163,179	14,817	12,647	27,463	48.8%	8.1%	14.7%
WD-2548 - Lake Merced Pump Station Esser	101,056	10,678	90,378	4,034	10,787	14,821	37.3%	12.0%	14.7%
*WD-2666 Bioregional Habitat Restoration,	19,338	228	19,110	778	2,039	2,817	44.3%	11.6%	14.6%
*WD-2627R Sutrro Reservoir Rehabilitation,	150,344	15,391	134,953	16,028	5,782	21,809	78.4%	4.5%	14.5%
WD-2641R Habitat Reserve Program, Home	41,305	1,467	39,838	4,844	1,110	5,954	66.4%	3.3%	14.4%
WD-2640 Bioregional Habitat Restoration	10,413	701	9,712	1,391	75	1,466	95.6%	0.8%	14.1%
*WD-2629 Seismic Upgrade of Bay Division	104,608	7,096	97,513	11,544	2,922	14,466	80.7%	3.2%	13.8%
WD-2665 Bay Division Pipeline Reliability U	21,967	168	21,799	1,848	1,135	2,983	96.8%	5.7%	13.6%
*WD-2601 - Crystal Springs / San Andreas T	482,868	35,078	447,790	37,940	26,681	64,622	82.6%	6.1%	13.4%
*WD-2727 Peninsula Pipeline Seismic Upgr	12,171	1,214	10,957	731	817	1,548	27.8%	8.6%	12.7%
*WD-2551 Calaveras Dam Replacement Pro	575,433	33,243	542,191	58,944	12,660	71,604	84.3%	2.5%	12.4%
*WD-2596 - Harry Tracy Water Treatment P	935,494	100,994	834,500	75,925	34,503	110,427	55.8%	4.3%	11.8%
WD-2591 - Lower Crystal Springs Dam Impro	98,686	4,833	93,853	6,917	4,086	11,003	79.6%	4.5%	11.1%
WD-2513 - San Andreas Pipeline No.3 Insta	82,356	3,994	78,362	8,522	513	9,035	91.5%	0.7%	11.0%
CS-936 - Advanced Meter Infrastructure	227,022	79,373	147,649	4,405	20,110	24,515	5.5%	13.6%	10.8%
WD-2556 - Baden and San Pedro Valve Lot I	19,937	951	18,986	2,057	98	2,155	75.1%	0.6%	10.8%
*WD-2622 San Francisco Groundwater Supp	9,009	222	8,787	222	705	927	21.4%	8.8%	10.3%
*WD-2531 - Bay Division Pipelines Reliabili	546,154	13,795	532,359	27,087	25,415	52,502	86.6%	4.9%	9.6%
*WD-2575 San Antonio Backup Pipeline	72,552	5,920	66,632	4,030	2,871	6,901	34.2%	4.7%	9.5%
WD-2542 - Bay Division Pipeline No. 5 - Per	287,972	7,049	280,923	20,197	4,770	24,967	77.1%	1.8%	8.7%
HH-935B - San Joaquin Pipeline System - W	100,478	4,059	96,419	5,795	1,923	7,717	62.3%	2.1%	7.7%
WD-2582 - Sunol Valley Water Treatment P	462,409	49,266	413,143	27,121	8,277	35,398	39.5%	2.1%	7.7%
WD-2469 - Forest Knolls Pump Station and S	26,552	2,888	23,664	1,961	32	1,993	67.5%	0.1%	7.5%
WD-2504 - Stanford Heights Reservoir Seisr	74,299	9,134	65,165	1,336	4,241	5,577	13.5%	6.6%	7.5%
*WD-2581 - New Irvington Tunnel	632,939	28,248	604,691	33,352	11,566	44,918	73.0%	2.0%	7.1%
WD-2541 - Bay Division Pipeline No. 5 - Eas	208,220	10,018	198,202	10,927	3,718	14,645	54.1%	2.0%	7.0%
DB-116 - Tesla Treatment Facility	141,840	16,580	125,261	7,419	1,884	9,303	27.5%	1.6%	6.6%
WD-2529 - Noe Valley Transmission Main -	22,511	-	22,511	1,133	263	1,396	100.0%	1.2%	6.2%
WD-2566 - San Antonio Pump Station Upgra	14,916	859	14,057	931	-	931	51.8%	0.0%	6.2%
WD-2501 - Alemany Pump Station	74,094	7,406	66,688	3,275	1,175	4,450	42.9%	1.8%	6.0%
WD-2573 - Pulgas Balancing Reservoir Struc	50,372	7,152	43,220	1,458	1,282	2,740	18.6%	3.0%	5.4%
WD-2543 - North University Mound System	53,226	743	52,483	2,550	106	2,656	85.1%	0.2%	5.0%
WD-2600 Regional Groundwater Storage an	6,088	-	6,088	296	-	296	100.0%	0.0%	4.9%
HH-935A - San Joaquin Pipeline System - Cr	84,472	5,351	79,121	3,595	422	4,017	39.9%	0.6%	4.8%
WD-2568 - BDPL Nos. 3&4 Crossover Faciliti	47,910	3,818	44,093	2,020	185	2,205	44.5%	0.4%	4.6%
WD-2564 - Harry Tracy Water Treatment Pla	43,047	2,089	40,959	1,329	183	1,512	63.6%	0.4%	3.5%
HH-914R - Roselle Crossover Improvements	12,859	1,384	11,475	256	32	288	13.2%	0.3%	2.2%
WD-2498 - New Crystal Springs Bypass (Pol	117,809	12,356	105,454	314	291	605	1.8%	0.3%	0.5%
WD-2511 - Standby Power Facilities, Variou	11,261	626	10,635	-	4	4	0.0%	0.0%	0.0%
WD-2589 - Supervisory Control and Data Ac	1,498	115	1,383	-	-	-	0.0%	0.0%	0.0%
<b>Total WSIP PLA</b>	<b>6,725,060</b>	<b>539,837</b>	<b>6,185,223</b>	<b>469,365</b>	<b>234,973</b>	<b>704,338</b>	<b>56.6%</b>	<b>4.0%</b>	<b>10.5%</b>

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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 13,440 referred hours in the quarter ending March-14, those hours still accumulated for 49% of all apprentice hours in that 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 requires 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 at the job site.

As of December 31, 2014, 12,287 pre-employment tests had been administered to people who were cleared to work. 160 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.

Project	Number Cleared
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,093
*WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,161
*WD-2551 Calaveras Dam Replacement Project	910
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
*WD-2581 - New Irvington Tunnel	633
*WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	555
WD-2548 - Lake Merced Pump Station Essential Upgrades	530
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-2627R Suto Reservoir Rehabilitation and Seismic Upgrade	213
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
*WD-2629 Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	209
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	89
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, S	63
WD-2543 - North University Mound System Upgrade	55
*WD-2727 Peninsula Pipeline Seismic Upgrade	51
WD-2665 Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordilleras Microtur	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 Grass	23
*WD-2622 San Francisco Groundwater Supply Pipeline	13
WD-2600 Regional Groundwater Storage and Recovery Project- Test Well Drilling	10
HH-953 - Tesla Portal Protection	7
WD-2623 - Harding Park Recycled Water Project	7
WD-2640 Bioregional Habitat Restoration	-
<b>Total Cleared</b>	<b>12,287</b>

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**Legislative History of the WSIP PLA**

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

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

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

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

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

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

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**Governance**

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

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

**Pre-Job Conferences and Jurisdictional Disputes**

Prior to the commencement of construction, representatives of the participating contractors and subcontractors, the Unions, and the SFPUC, are emanded 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, 2015 (Third Quarter FY 2014-2015)**

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**Executive Summary**

Since it was adopted on March 16, 2007 the WSIP 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 March 31, 2015.

Construction Activity Highlights – Program-to-Date

**Contracting:**

- Fifty (50) construction contracts with a value of \$2.004 Billion in original contract award have been awarded subject to the WSIP PLA.

**Employment:**

- Since inception, 11,949 construction workers were employed for 6,937,525 hours and earned wages of \$269,208,679 on WSIP PLA-covered projects.
- 981 San Francisco residents worked 491,048 hours and earned \$18,256,127 on WSIP PLA-Covered Projects representing 7.1% of covered hours and 236 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. 5,075 residents of the Service Territory earned wages of \$107,043,541 and worked 2,814,705 hours, representing 40.6% of covered hours and 1,353 full-time equivalent worker years.
- 12,640 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of March 31, 2015. 161 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, 2015			
	Worker Count	Sum of Hours	Sum Of Wages	FTE
All Workers	11,949	6,937,525	\$ 269,208,679	3,335
San Francisco	981	491,048	\$ 18,256,127	236
SFPUC Service Territory	5,075	2,814,705	\$ 107,043,541	1,353
Outside	6,155	3,631,772	\$ 143,909,011	1,746

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Construction Activity Highlights – Quarter Ending March 31, 2015

**Contracting:**

- There were two construction contracts awarded during this reporting quarter. WD-2621R San Francisco Groundwater Supply Well Stations was awarded to Western Water Constructors, Inc. for \$14.9M on January 13, 2015. Ranger Pipelines, Inc. was awarded the contract for WD-2668 Regional Groundwater Storage and Recovery in the amount of \$42.9M on January 13, 2015.

**Employment:**

- 882 construction workers were employed for 185,819 hours and earned wages of \$7,608,852 on WSIP PLA-covered projects.
- 67 San Francisco residents worked 9,389 hours and earned wages of \$394,755 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 the Quarter, 313 residents of the Service Territory worked 69,157 hours and earned wages of \$2,693,304 on WSIP PLA-Covered projects.
- 168 negative pre-employment substance abuse tests were administered under the provisions of the WSIP PLA Substance Abuse Policy and no individuals were prevented from working as the result of a positive test.

**Summary of Craft Worker Employment**

Region of Worker Residence	Three Months Ending March 31, 2015			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	882	185,819	\$ 7,608,852	89
San Francisco	67	9,389	\$ 394,755	5
SFPUC Service Territory	313	69,157	\$ 2,693,304	33
Outside	504	107,274	\$ 4,520,793	52

\*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 and dividing that 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 March 31, 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
02/11/14	WD-2707	G4S Technology	As-Needed Integration Services (Lenel VAR Required) - 2	\$1.2 Million	1,187,648
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 Poi	\$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 D	\$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
<b>Total 48 Projects</b>					<b>\$ 2,004,420,404</b>

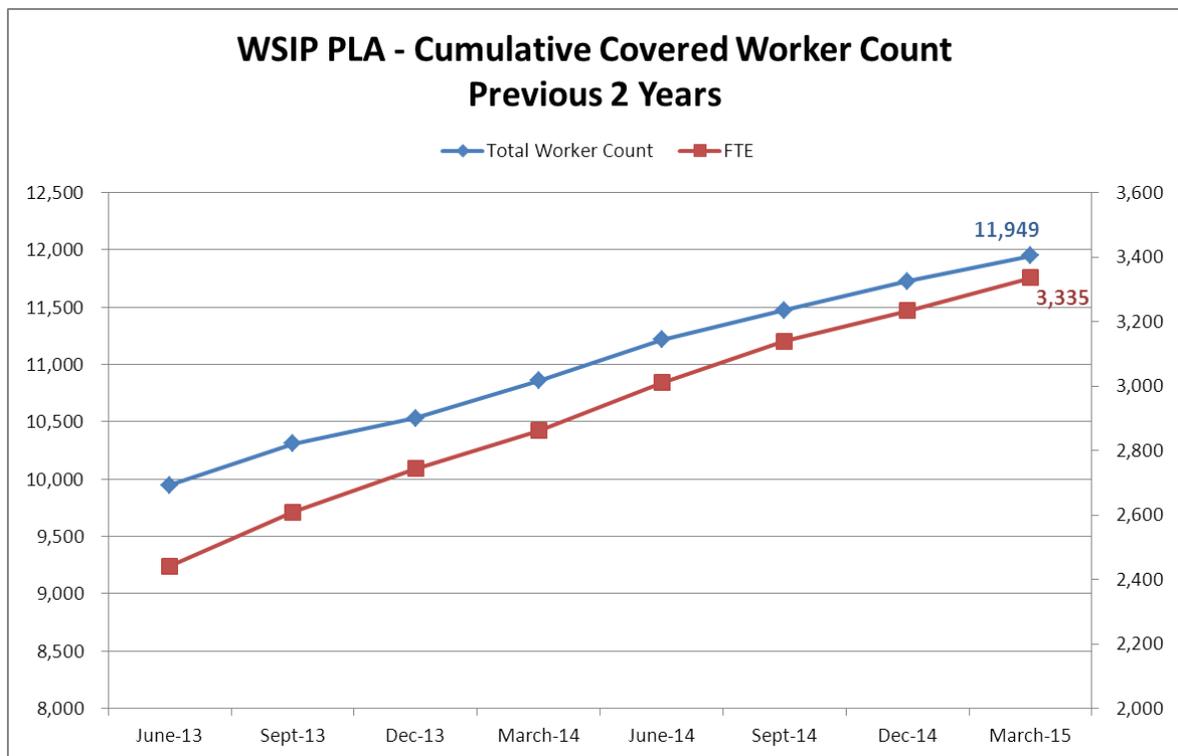
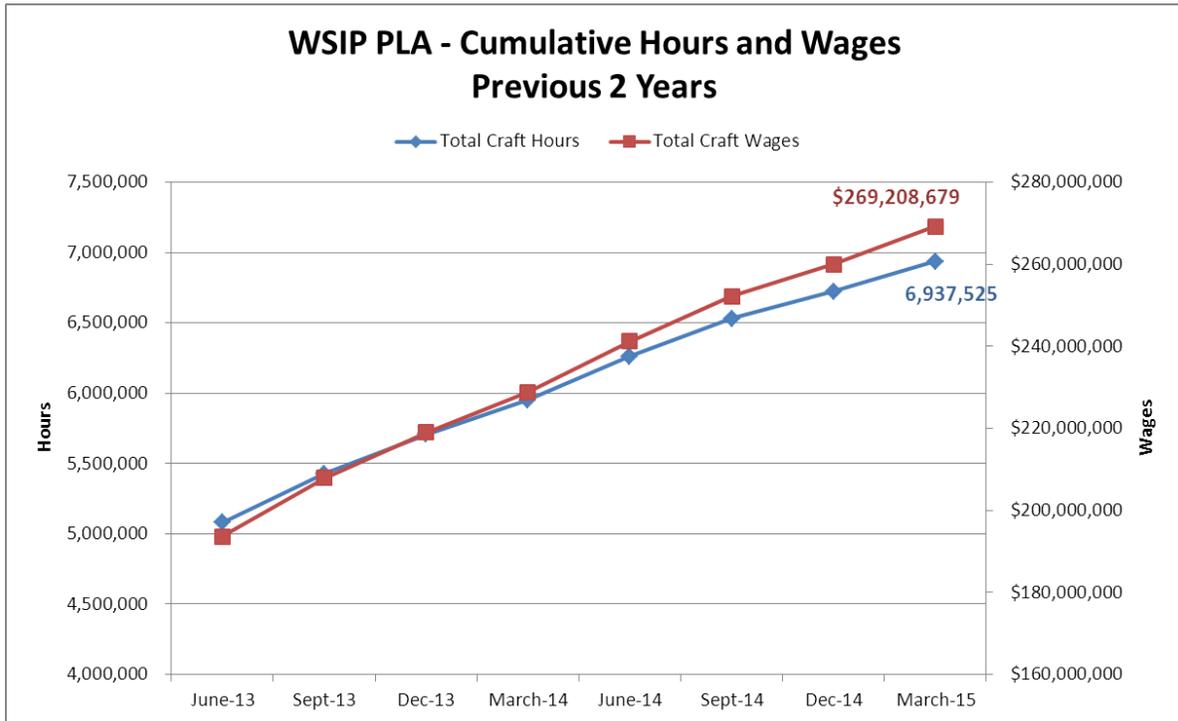
\* indicates projects located in San Francisco

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**Summary Charts**

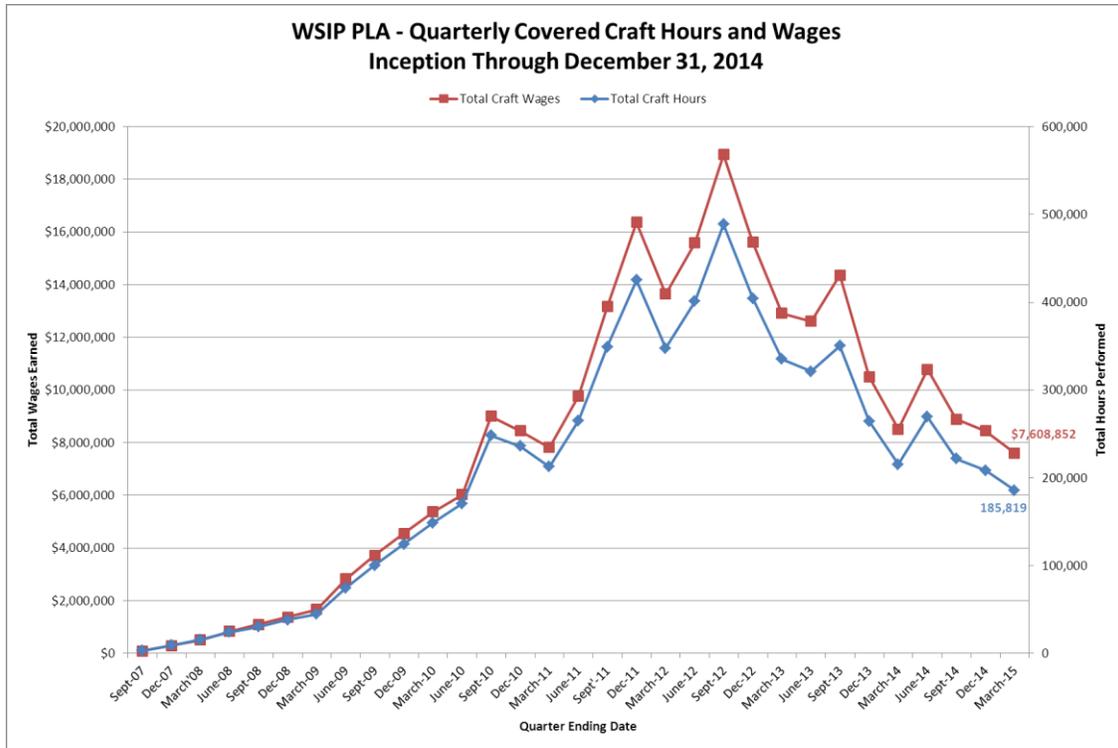
From inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending March 31, 2015; 11,949 workers on WSIP PLA-covered projects have achieved a cumulative total of 6,937,525 craft hours and \$269,208,679 in craft wages.

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

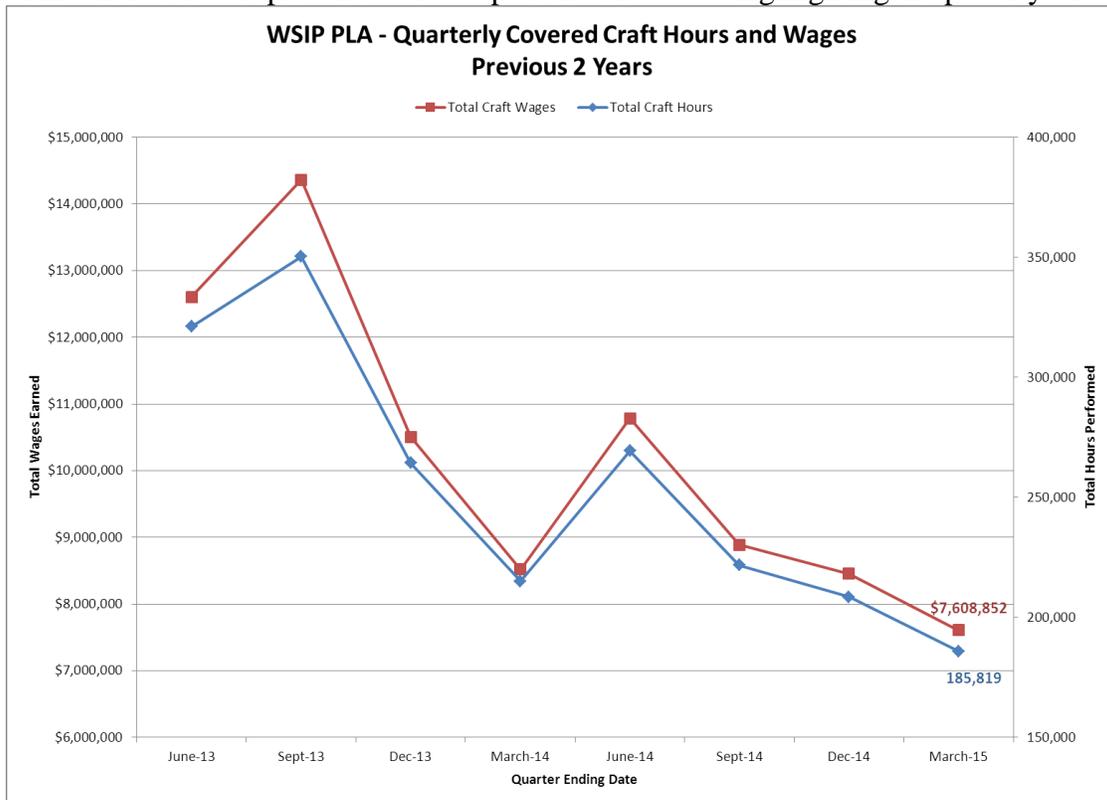


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The chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 85% total completion, Craft Hours have begun to and will continue to trend down until total completion.



This chart below represents a close up of the one above highlighting the past 2 years.



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

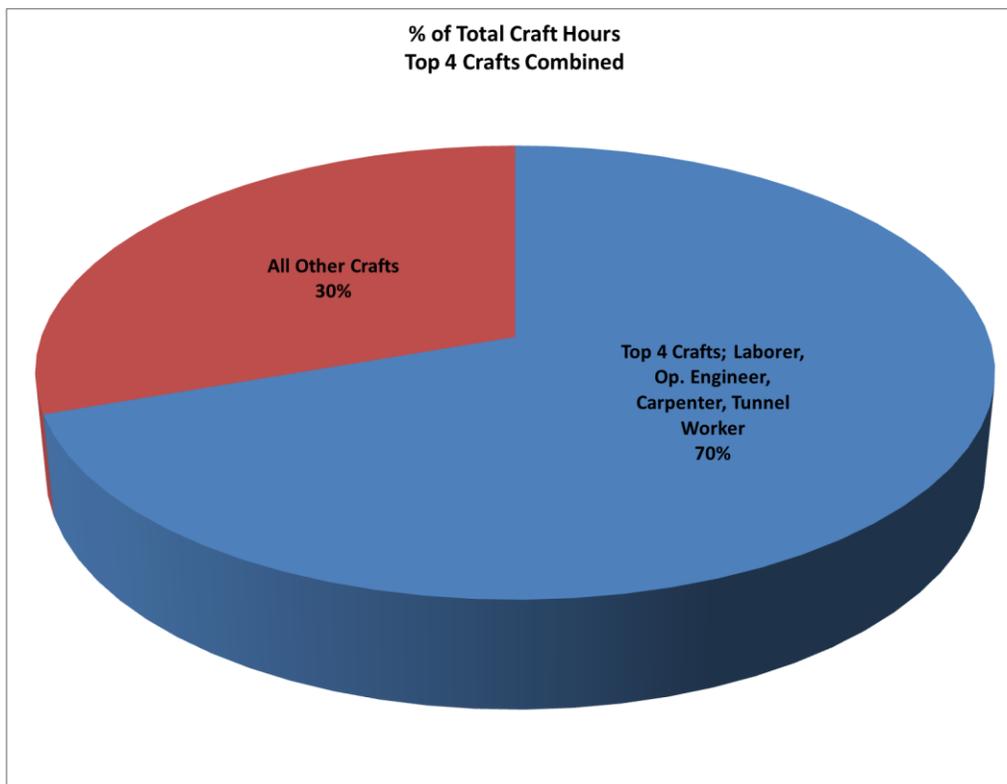
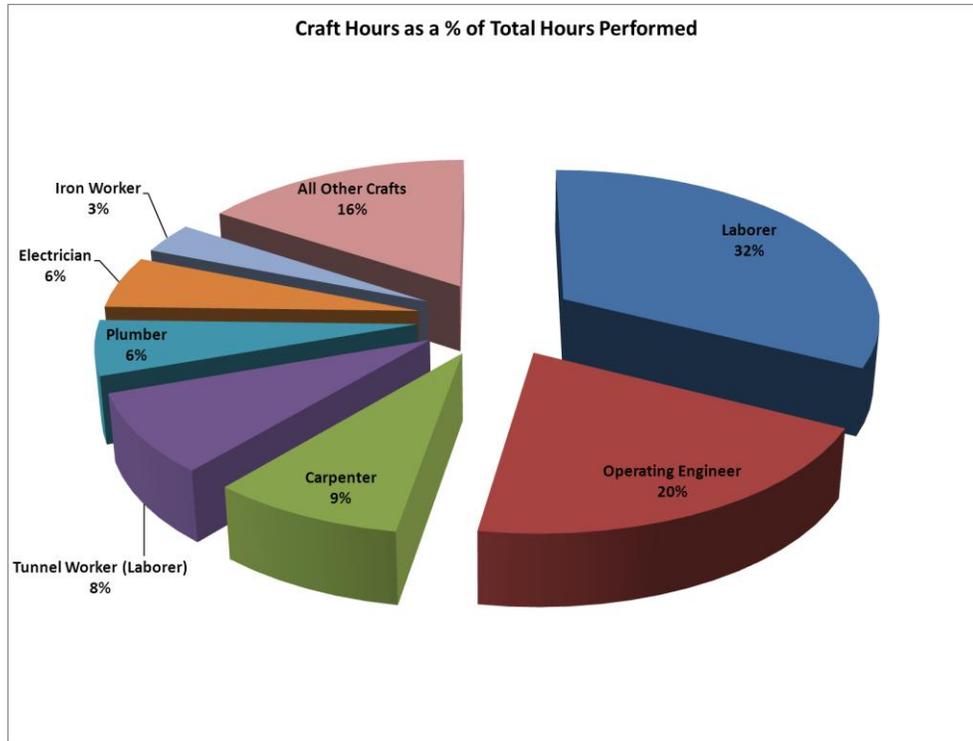
As of March 31, 2015, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 32 craft areas.

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.

<b>Cumulative Employment by Craft</b>					
Inception Through March 31, 2015					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
LABORER	2,252,252	\$ 67,610,598	32.5%	25.1%	1,083
Operating Engineer	1,398,767	\$ 55,354,338	20.2%	20.6%	672
CARPENTER	592,471	\$ 24,411,630	8.5%	9.1%	285
TUNNEL WORKER (LABORER)	587,180	\$ 24,812,901	8.5%	9.2%	282
PLUMBER	403,612	\$ 18,800,396	5.8%	7.0%	194
ELECTRICIAN	383,790	\$ 19,989,081	5.5%	7.4%	185
IRON WORKER	227,229	\$ 7,646,079	3.3%	2.8%	109
<b>Top 7 Sub-Total</b>	<b>5,845,301</b>	<b>\$ 218,625,023</b>	<b>84.3%</b>	<b>81.2%</b>	<b>2,810</b>
PILE DRIVER (CARPENTER)	156,357	\$ 8,388,955	2.3%	3.1%	75
PAINTER	135,625	\$ 5,107,596	2.0%	1.9%	65
BOILERMAKER-BLACKSMITH	114,468	\$ 5,859,895	1.6%	2.2%	55
CEMENT MASON	105,848	\$ 3,669,205	1.5%	1.4%	51
BUILDING/CONSTRUCTION INSPECTOR	44,858	\$ 1,813,418	0.6%	0.7%	22
ROOFER	43,581	\$ 1,490,249	0.6%	0.6%	21
FIELD SURVEYOR	19,178	\$ 778,447	0.3%	0.3%	9
SHEET METAL WORKER	13,451	\$ 633,038	0.2%	0.2%	6
DRYWALL INSTALLER/LATHER (CARPENTER)	10,014	\$ 420,827	0.1%	0.2%	5
BRICKLAYER, BLOCKLAYER	8,465	\$ 322,166	0.1%	0.1%	4
ELECTRICAL UTILITY LINEMAN	6,449	\$ 392,391	0.1%	0.1%	3
GLAZIER	3,763	\$ 158,938	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 P	696	\$ 22,438	0.0%	0.0%	0
ASBESTOS WORKER, HEAT AND FROST INS	507	\$ 28,166	0.0%	0.0%	0
TILE SETTER	351	\$ 12,929	0.0%	0.0%	0
CARPET, LINOLEUM, SOFT FLOOR LAYER	302	\$ 13,681	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
<b>Remaining Apprenticeable Sub-Total</b>	<b>668,826</b>	<b>\$ 29,285,181</b>	<b>9.6%</b>	<b>10.9%</b>	<b>322</b>
<b>Total Non-Apprenticeable</b>	<b>423,398</b>	<b>\$ 21,298,475</b>	<b>6.1%</b>	<b>7.9%</b>	<b>204</b>
<b>Total WSIP - Covered by PLA</b>	<b>6,937,525</b>	<b>\$ 269,208,679</b>	<b>100.0%</b>	<b>100.0%</b>	<b>3,335</b>

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This chart summarizes WSIP PLA– covered craft employment for trades with the largest number of craft hours as of March 31, 2015. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 69.5% of craft hours worked on PLA-Covered Projects.



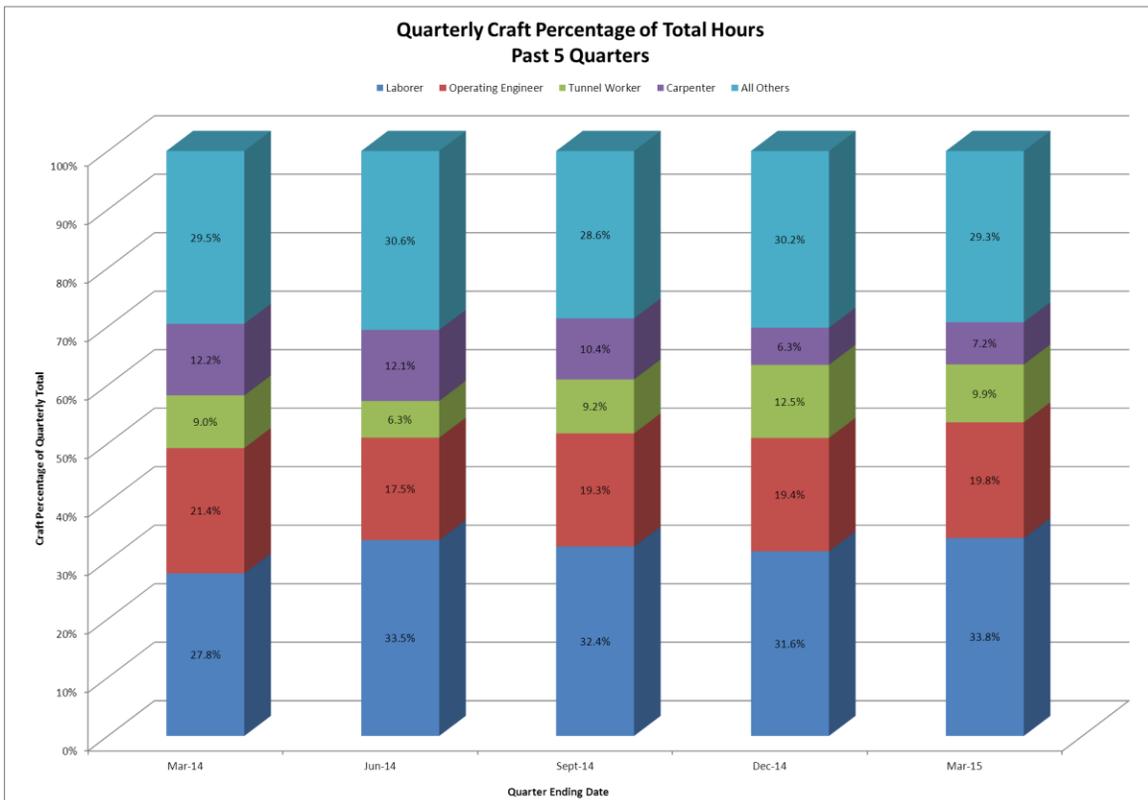
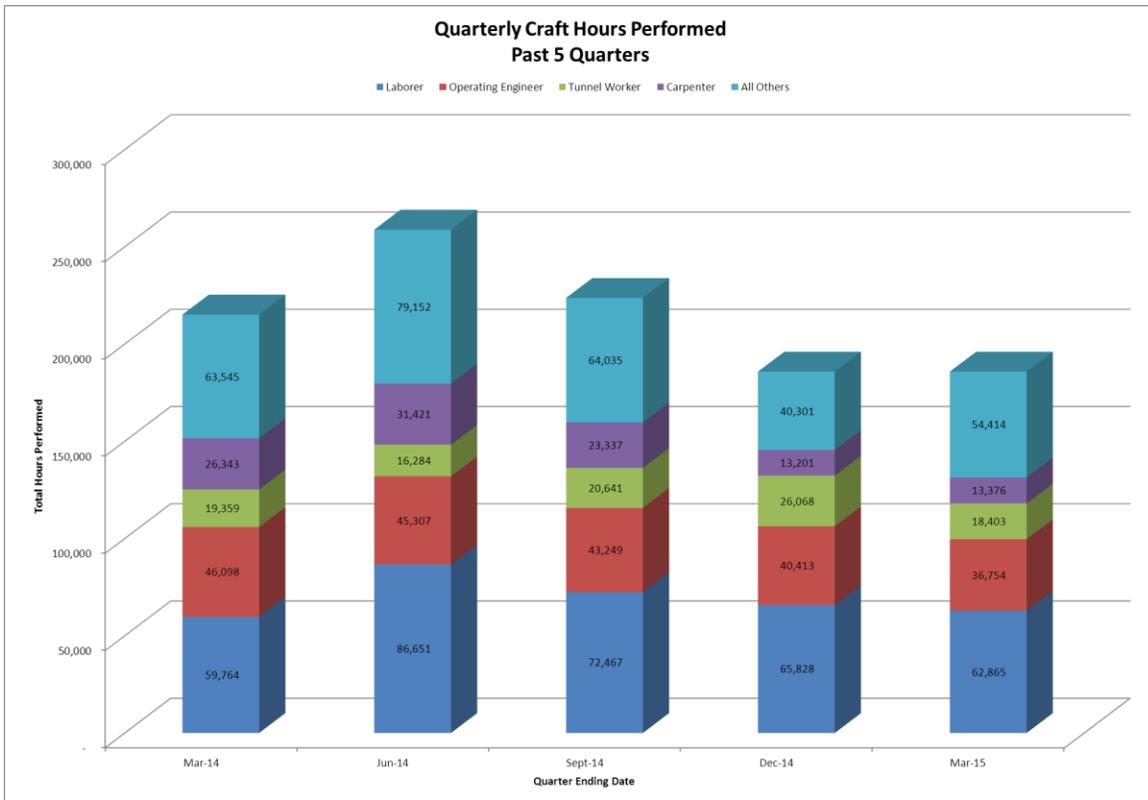
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 3-31-2015 Hours	Quarter Ending 3-31-2015 Wages
LABORER	2,252,252	\$ 67,610,598	62,865	\$ 1,963,804
OPERATING ENGINEER	454,043	\$ 16,677,750	16,589	\$ 665,721
OPERATING ENGINEER (HEAVY AND HIGHWAY WORKER)	890,090	\$ 36,426,169	20,141	\$ 872,655
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	2,637	\$ 97,521	24	\$ 753
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	51,998	\$ 2,152,898	508	\$ 21,949
OPERATING ENGINEER (COMBINED)	1,398,767	\$ 55,354,338	37,261	\$ 1,561,078
CARPENTER	592,471	\$ 24,411,630	13,376	\$ 585,800
TUNNEL WORKER (LABORER)	587,180	\$ 24,812,901	18,403	\$ 854,530
PLUMBER	403,612	\$ 18,800,396	9,237	\$ 371,687
ELECTRICIAN	383,790	\$ 19,989,081	16,681	\$ 956,155
IRON WORKER	227,229	\$ 7,646,079	3,525	\$ 120,719
PILE DRIVER (CARPENTER)	156,357	\$ 8,388,955	1,123	\$ 52,258
PAINTER	135,625	\$ 5,107,596	6,212	\$ 230,433
BOILERMAKER-BLACKSMITH	114,468	\$ 5,859,895	1,888	\$ 188,179
CEMENT MASON	105,848	\$ 3,669,205	2,662	\$ 91,999
BUILDING/CONSTRUCTION INSPECTOR	44,858	\$ 1,813,418	2,700	\$ 108,035
ROOFER	43,581	\$ 1,490,249	840	\$ 28,261
FIELD SURVEYOR	19,178	\$ 778,447	88	\$ 2,940
SHEET METAL WORKER	13,451	\$ 633,038	-	\$ -
DRYWALL INSTALLER/LATHER (CARPENTER)	10,014	\$ 420,827	-	\$ -
BRICKLAYER, BLOCKLAYER	8,465	\$ 322,166	154	\$ 5,597
ELECTRICAL UTILITY LINEMAN	6,449	\$ 392,391	86	\$ 6,287
GLAZIER	3,763	\$ 158,938	-	\$ -
PLASTERER	2,526	\$ 83,181	32	\$ 1,035
BRICK TENDER	773	\$ 26,072	-	\$ -
PLASTER TENDER	725	\$ 23,623	32	\$ 958
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	696	\$ 22,438	-	\$ -
ASBESTOS WORKER, HEAT AND FROST INSULATOR	507	\$ 28,166	-	\$ -
TILE SETTER	351	\$ 12,929	6	\$ 229
CARPET, LINOLEUM, SOFT FLOOR LAYER	302	\$ 13,681	-	\$ -
TILE FINISHER	277	\$ 5,836	-	\$ -
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	-	\$ -
TERRAZZO WORKER	199	\$ 8,163	-	\$ -
SHEET METAL WORKER (HVAC)	172	\$ 8,402	155	\$ 8,479
MARBLE FINISHER	40	\$ 1,342	-	\$ -
TERRAZZO FINISHER	4	\$ 160	-	\$ -
<b>Total Apprenticable</b>	<b>6,514,127</b>	<b>\$ 247,910,204</b>	<b>177,323</b>	<b>\$ 7,138,463.08</b>
<b>Non-Apprenticable</b>				
TEAMSTER	111,442	\$ 5,067,762	-	\$ -
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	92,987	\$ 6,799,620	1,854	\$ 164,848
OPERATING ENGINEER (HEAVY AND HIGHWAY WORKER)	91,493	\$ 4,231,018	4,075	\$ 208,427
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY)	78,373	\$ 3,519,750	642	\$ 30,012
ASBESTOS REMOVAL WORKER (LABORER)	17,057	\$ 431,301	-	\$ -
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HEAVY AND HIGHWAY)	13,146	\$ 582,242	-	\$ -
WATER WELL DRILLER	12,304	\$ 453,830	-	\$ -
TREE TRIMMER (HIGH VOLTAGE LINE CLEARANCE)	1,422	\$ 36,006	-	\$ -
TELECOMMUNICATIONS TECHNICIAN	1,160	\$ 37,245	-	\$ -
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	856	\$ 30,780	-	\$ -
DREDGER OPERATING ENGINEER	831	\$ 33,307	-	\$ -
LANDSCAPE MAINTENANCE LABORER	795	\$ 20,677	-	\$ -
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	\$ 24,481	-	\$ -
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER)	282	\$ 12,787	-	\$ -
SLURRY SEAL WORKER	271	\$ 6,316	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	257	\$ 8,290	-	\$ -
IRONWORKER (DB)	80	\$ 2,772	-	\$ -
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	\$ 291	-	\$ -
<b>Total Non-Apprenticable</b>	<b>423,398</b>	<b>\$ 21,298,475</b>	<b>6,571</b>	<b>\$ 403,287</b>
<b>Total Apprenticable</b>	<b>6,514,127</b>	<b>\$ 247,910,204</b>	<b>177,323</b>	<b>\$ 7,138,463</b>
<b>Total WSIP PLA</b>	<b>6,937,525</b>	<b>\$ 269,208,679</b>	<b>183,894</b>	<b>\$ 7,541,750</b>

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

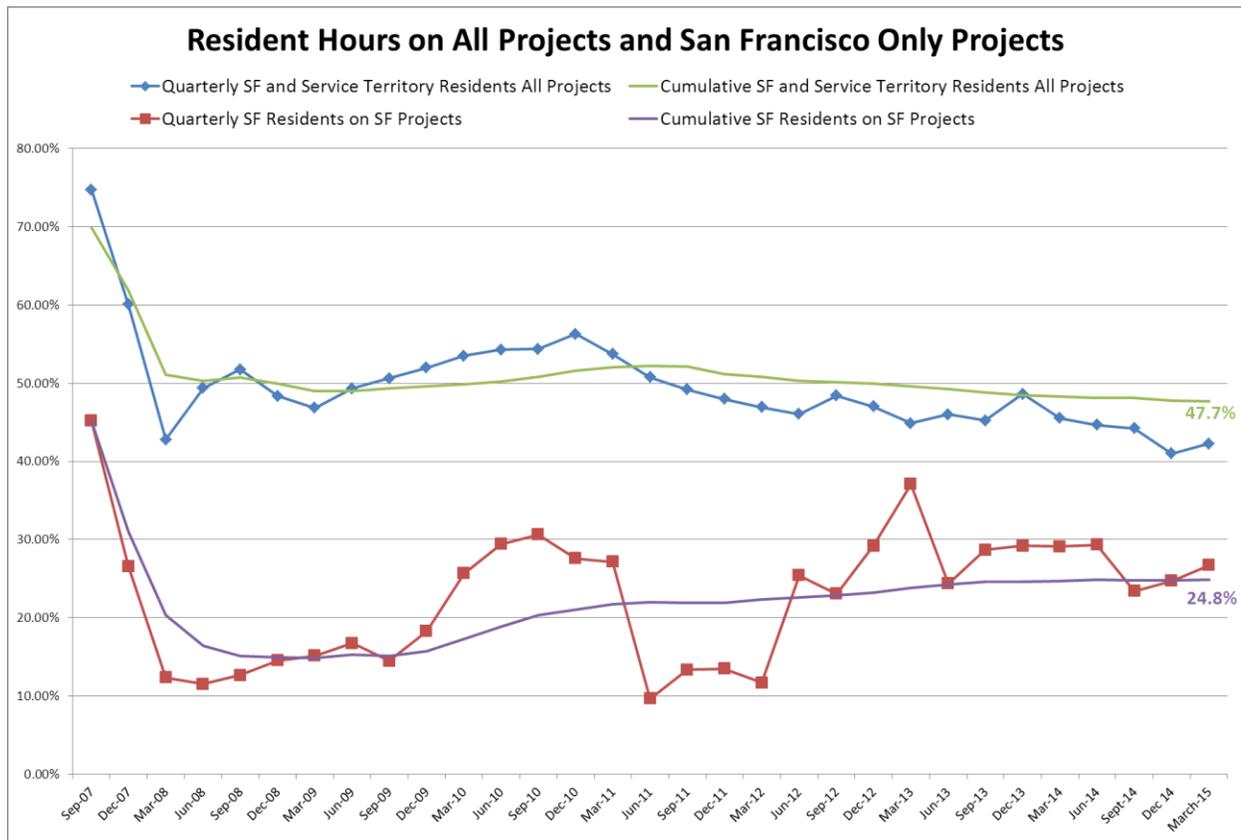


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**Worker Residence on the WSIP PLA**

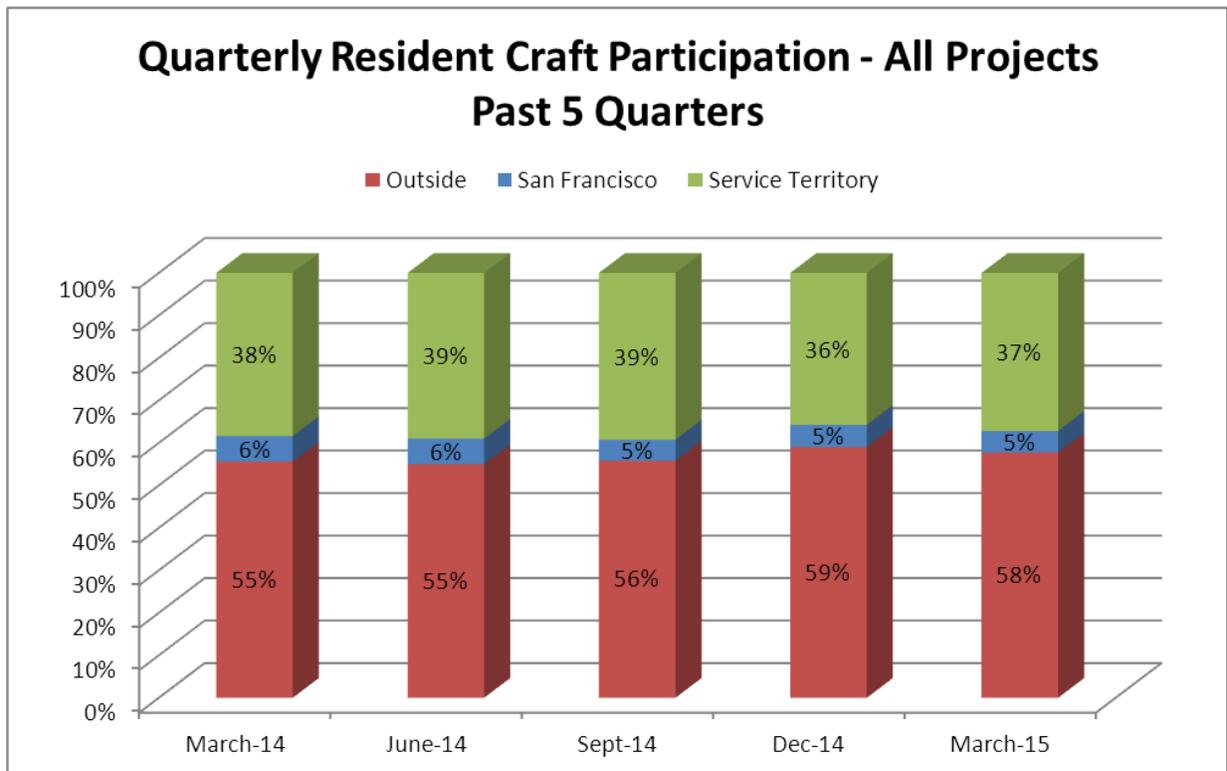
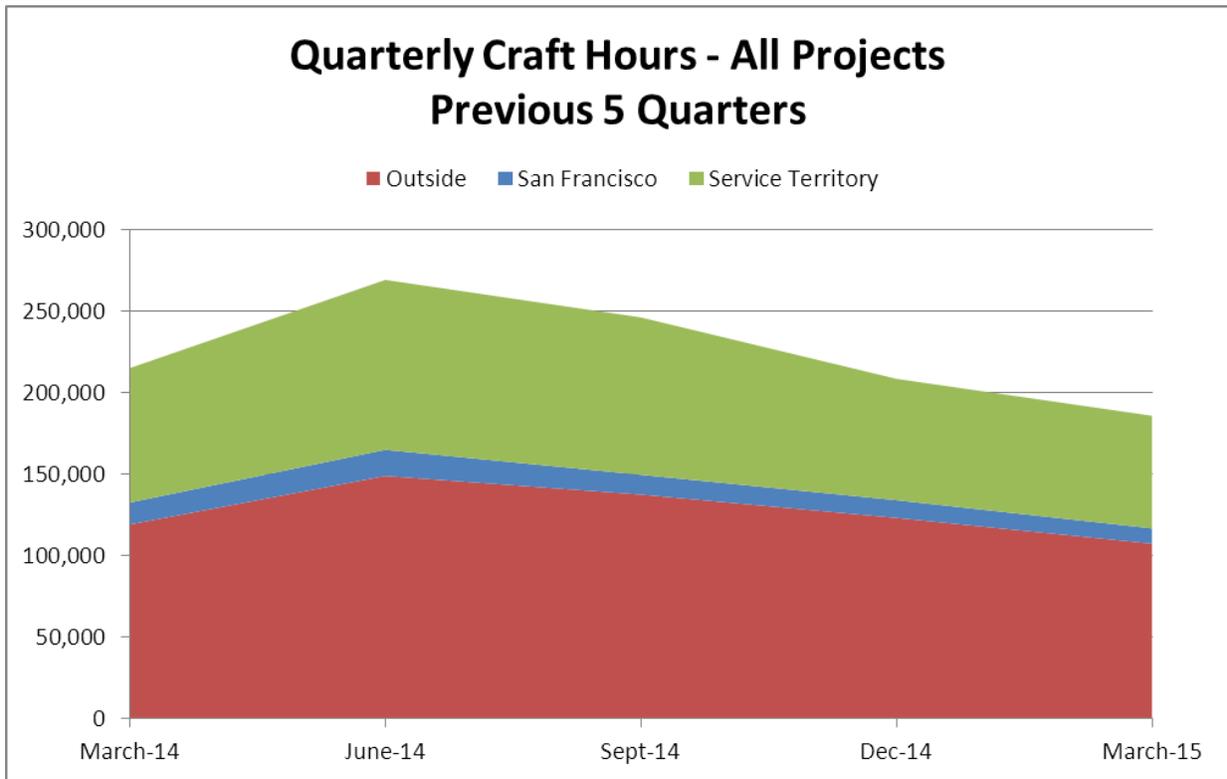
The Regional Service Territory covering seven counties is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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



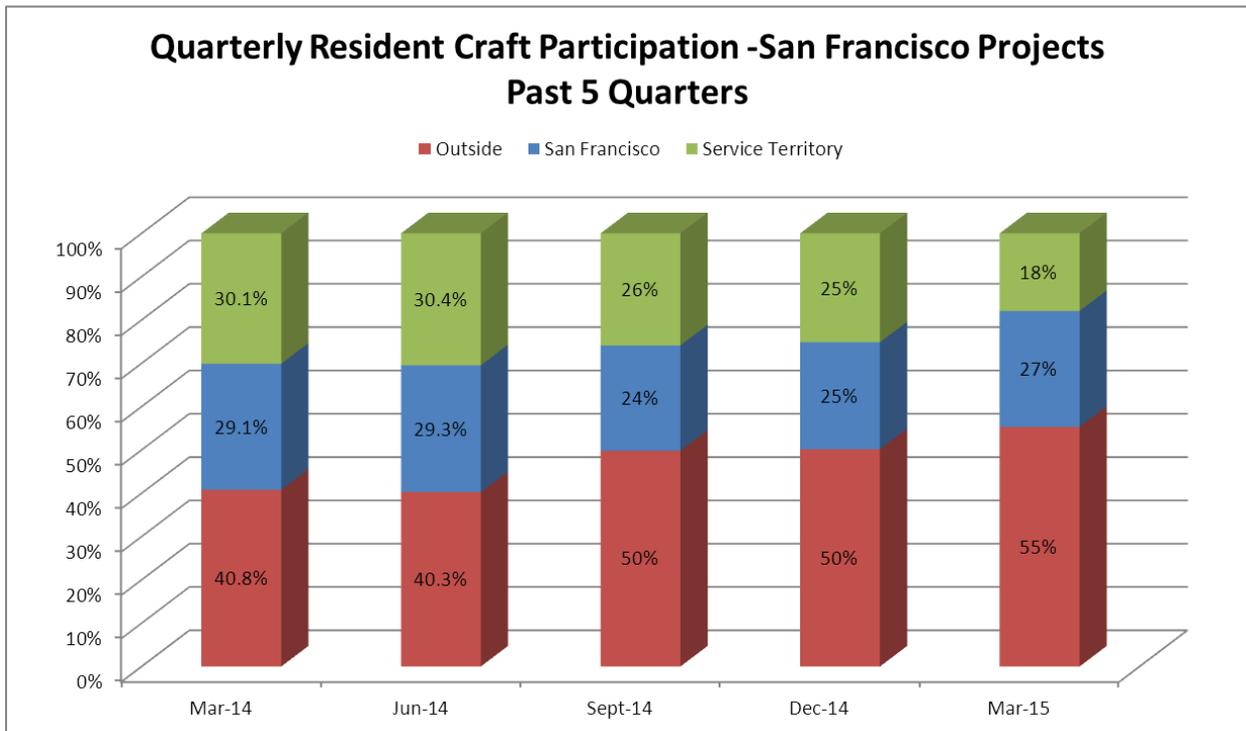
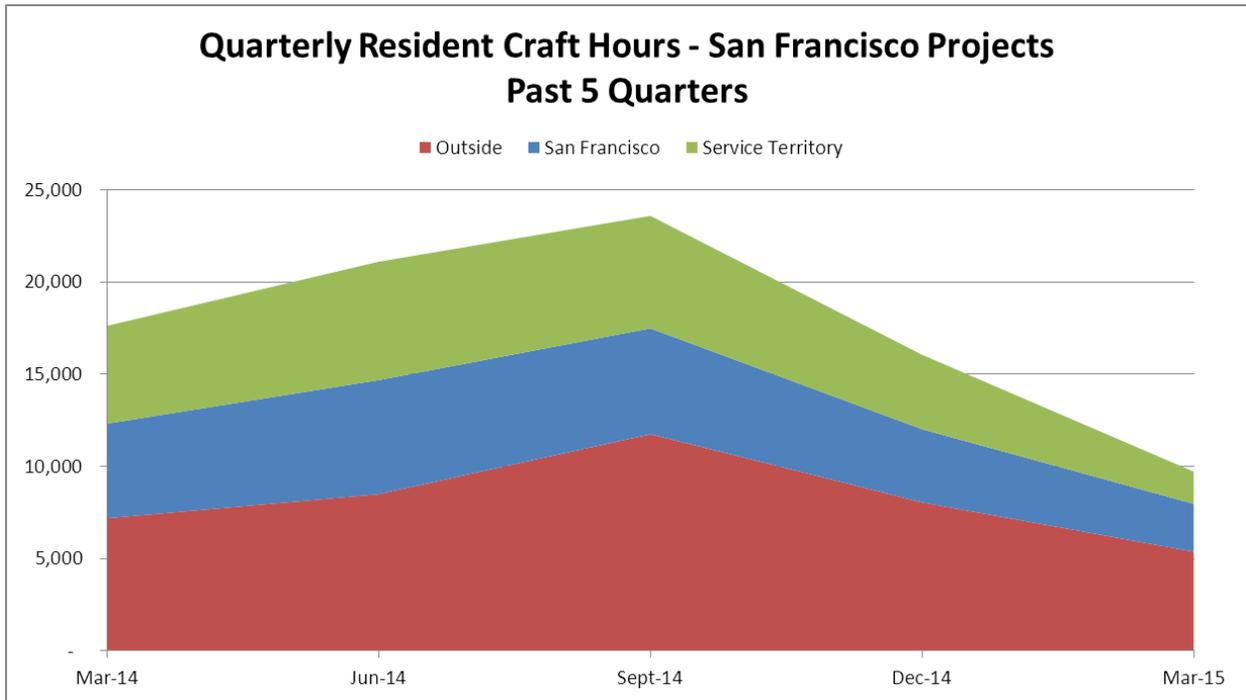
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**Residence on All WSIP PLA Projects**-Charted are the 50 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



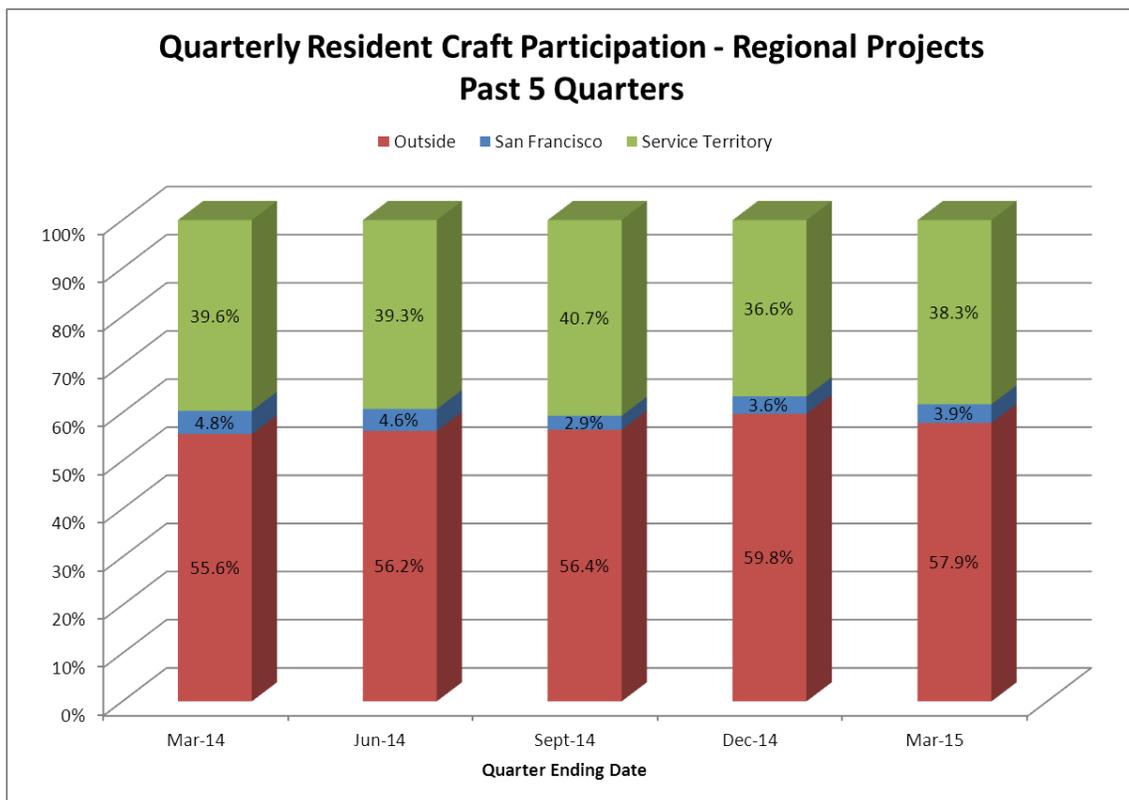
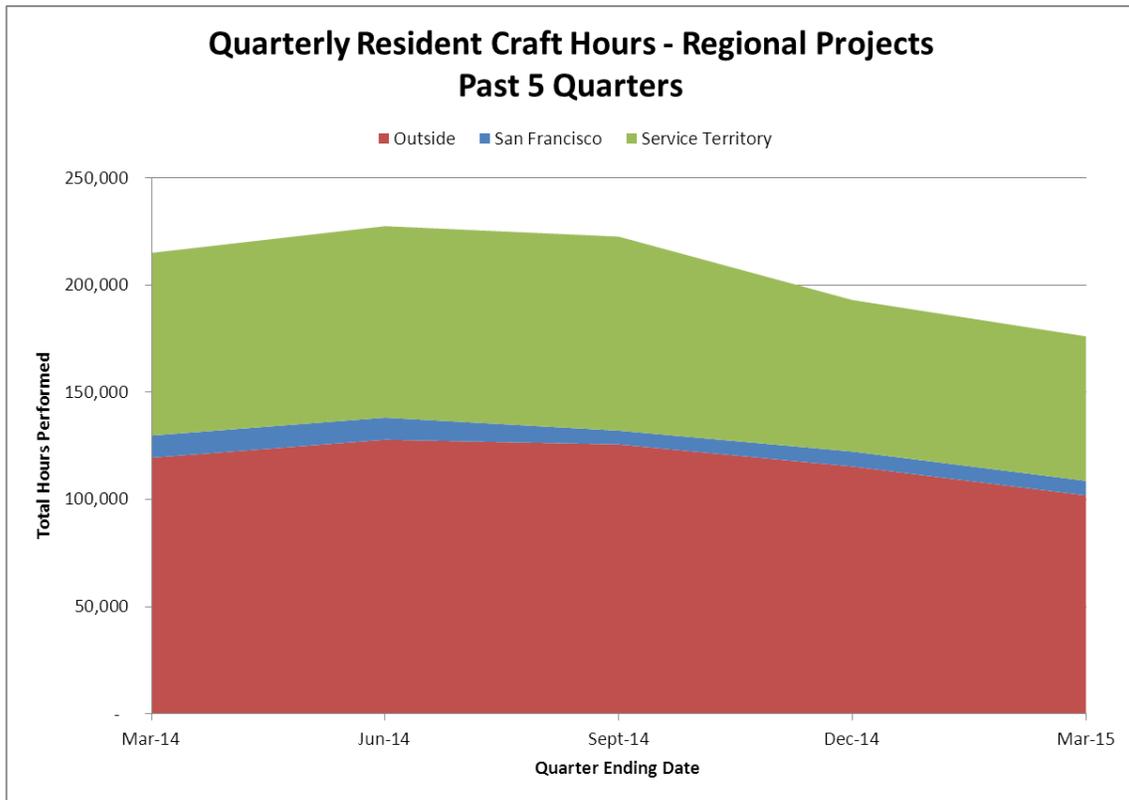
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**Residence on San Francisco located WSIP PLA Projects**-Charted are the 13 projects covered by the WSIP PLA located within San Francisco only.



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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

<b>WSIP-PLA Employment by Top 20 Counties of Residence</b> Inception Through March 31, 2015					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda	1,187,689	\$ 43,673,999	17.1%	3,342	571
Contra Costa	932,569	\$ 35,666,802	13.4%	2,471	448
San Mateo	705,975	\$ 27,751,560	10.2%	1,457	339
San Joaquin	641,173	\$ 23,539,090	9.2%	1,422	308
San Francisco	495,069	\$ 18,345,750	7.1%	1,285	238
Santa Clara	397,674	\$ 16,193,518	5.7%	1,518	191
Solano	337,041	\$ 13,233,741	4.9%	968	162
Sacramento	295,014	\$ 11,340,184	4.3%	638	142
Stanislaus	293,123	\$ 10,475,627	4.2%	656	141
Butte	188,029	\$ 7,385,145	2.7%	134	90
Sonoma	147,420	\$ 5,861,907	2.1%	386	71
Calaveras	85,065	\$ 3,695,130	1.2%	94	41
Tuolumne	84,041	\$ 3,184,404	1.2%	94	40
Los Angeles	65,211	\$ 2,776,561	0.9%	148	31
Placer	63,874	\$ 2,508,986	0.9%	136	31
Yolo	63,132	\$ 2,424,099	0.9%	112	30
Clark	61,621	\$ 2,733,010	0.9%	64	30
El Dorado	56,840	\$ 2,231,633	0.8%	119	27
Riverside	53,757	\$ 2,369,515	0.8%	127	26
Shasta	53,530	\$ 2,277,164	0.8%	53	26
<b>Top 20 Counties by Hours</b>	<b>6,207,845</b>	<b>\$ 237,667,825</b>	<b>89.3%</b>	<b>15,224</b>	<b>2,985</b>
All Other Counties	729,680	\$ 31,540,855	10.7%	1,302	351
<b>WSIP-PLA Total</b>	<b>6,937,525</b>	<b>\$ 269,208,679</b>	<b>100.0%</b>	<b>16,526</b>	<b>3,335</b>

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**San Francisco Residents by Zip Code**

Sorted by Total Craft Hours

<b>Employment by San Francisco Zip Code</b>					
Inception Through March 31, 2015					
San Francisco County Zip Code	Total Workers				
	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
94112	87,254	\$ 3,041,679	17.6%	163	42
94110	72,535	\$ 2,463,524	14.7%	138	35
94124	72,313	\$ 2,730,098	14.6%	190	35
94116	56,375	\$ 2,724,540	11.4%	68	27
94134	39,712	\$ 1,202,001	8.0%	99	19
94122	25,545	\$ 1,138,148	5.2%	52	12
94121	24,282	\$ 961,170	4.9%	39	12
94103	21,082	\$ 640,494	4.3%	29	10
94127	18,699	\$ 670,944	3.8%	16	9
94118	8,317	\$ 407,404	1.7%	18	4
94102	8,095	\$ 363,748	1.6%	16	4
94117	7,877	\$ 195,835	1.6%	16	4
94132	7,774	\$ 309,911	1.6%	28	4
94107	7,555	\$ 282,174	1.5%	18	4
94131	7,324	\$ 278,364	1.5%	16	4
94133	4,704	\$ 168,686	1.0%	6	2
94114	4,662	\$ 180,484	0.9%	12	2
94164	3,451	\$ 98,256	0.7%	2	2
94109	3,363	\$ 98,964	0.7%	18	2
94108	3,348	\$ 71,658	0.7%	8	2
94130	3,273	\$ 69,745	0.7%	9	2
94115	1,633	\$ 48,752	0.3%	17	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%	3	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	0.1%	1	0
94166	191	\$ 14,325	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
<b>Total</b>	<b>491,048</b>	<b>\$ 18,256,127</b>	<b>100%</b>	<b>987</b>	<b>236</b>
<b>WSIP-PLA Total</b>	<b>6,937,525</b>	<b>\$ 269,208,679</b>	<b>-</b>	<b>16,526</b>	<b>3,335</b>

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**Residence by Craft**

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through March 31, 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 WORKER)	890,090	16,967	348,950	524,172	1.9%	39.2%	58.9%
CARPENTER AND RELATED TRADES	592,471	72,705	247,886	271,880	12.3%	41.8%	45.9%
TUNNEL WORKER (LABORER)	587,180	11,102	236,112	339,967	1.9%	40.2%	57.9%
OPERATING ENGINEER	454,043	41,003	157,769	255,271	9.0%	34.7%	56.2%
PLUMBER	403,612	80,652	130,543	192,417	20.0%	32.3%	47.7%
ELECTRICIAN	383,790	22,236	223,270	138,284	5.8%	58.2%	36.0%
IRON WORKER	227,229	18,501	83,205	125,523	8.1%	36.6%	55.2%
PILE DRIVER (CARPENTER)	156,357	6,476	42,076	107,805	4.1%	26.9%	68.9%
PAINTER	135,625	8,456	12,912	114,257	6.2%	9.5%	84.2%
BOILERMAKER-BLACKSMITH	114,468	48	22,193	92,227	0.0%	19.4%	80.6%
CEMENT MASON	105,848	5,547	45,443	54,858	5.2%	42.9%	51.8%
PILE DRIVER (OPERATING ENGINEER - HEAVY AND HIGHWAY)	51,998	499	8,420	43,079	1.0%	16.2%	82.8%
BUILDING/CONSTRUCTION INSPECTOR AND FIELD SUPERVISOR	44,858	3,737	8,456	32,665	8.3%	18.9%	72.8%
ROOFER	43,581	2,405	23,215	17,961	5.5%	53.3%	41.2%
FIELD SURVEYOR	19,178	1,334	3,727	14,117	7.0%	19.4%	73.6%
SHEET METAL WORKER	13,451	415	8,595	4,441	3.1%	63.9%	33.0%
DRYWALL INSTALLER/LATHER (CARPENTER)	10,014	1,155	2,115	6,745	11.5%	21.1%	67.4%
BRICKLAYER, BLOCKLAYER	8,465	82	4,321	4,063	1.0%	51.0%	48.0%
ELECTRICAL UTILITY LINEMAN	6,449		195	6,255	0.0%	3.0%	97.0%
GLAZIER	3,763	958	1,024	1,782	25.4%	27.2%	47.4%
OPERATING ENGINEER (SPECIAL SINGLE AND SECOND SHIFT)	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 (LABORER)	696		370	326	0.0%	53.2%	46.8%
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	302	6	57	239	2.0%	18.9%	79.1%
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%
<b>Apprenticeable</b>	<b>4,261,875</b>	<b>296,340</b>	<b>1,614,067</b>	<b>2,351,468</b>	<b>7.0%</b>	<b>37.9%</b>	<b>55.2%</b>
LABORER	2,252,252	168,944	978,465	1,104,843	7.5%	43.4%	49.1%
<b>Non-Apprenticeable</b>							
TEAMSTER	111,442	9,031	60,099	42,311	8.1%	53.9%	38.0%
DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)	92,987	15,594	61,807	15,586	16.8%	66.5%	16.8%
OPERATING ENGINEER (HEAVY AND HIGHWAY WORKER)	91,493		37,900	53,593	0.0%	41.4%	58.6%
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HIGHWAY)	78,373	70	44,357	33,946	0.1%	56.6%	43.3%
ASBESTOS REMOVAL WORKER (LABORER)	17,057	887	2,256	13,914	5.2%	13.2%	81.6%
TUNNEL/UNDERGROUND (OPERATING ENGINEER-HIGHWAY)	13,146		3,850	9,296	0.0%	29.3%	70.7%
WATER WELL DRILLER	12,304		7,533	4,771	0.0%	61.2%	38.8%
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)	856		668	188	0.0%	78.1%	21.9%
DREDGER OPERATING ENGINEER	831			831	0.0%	0.0%	100.0%
LANDSCAPE MAINTENANCE LABORER	795	16	614	165	2.0%	77.2%	20.8%
OPERATING ENGINEER (BUILDING CONSTRUCTION)	635	133	229	273	20.9%	36.1%	43.0%
STEEL ERECTOR AND FABRICATOR (OPERATING ENGINEER)	282		282		0.0%	100.0%	0.0%
SLURRY SEAL WORKER	271		138	133	0.0%	50.9%	49.1%
PARKING AND HIGHWAY IMPROVEMENT PAINTER (LABORER)	257		163	94	0.0%	63.4%	36.6%
IRONWORKER (DB)	80			80	0.0%	0.0%	100.0%
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11			11	0.0%	0.0%	100.0%
<b>Total Non-Apprenticeable</b>	<b>423,398</b>	<b>25,763</b>	<b>222,174</b>	<b>175,461</b>	<b>6.1%</b>	<b>52.5%</b>	<b>41.4%</b>
<b>Total WSIP PLA</b>	<b>6,937,525</b>	<b>491,048</b>	<b>2,814,705</b>	<b>3,631,772</b>	<b>7.1%</b>	<b>40.6%</b>	<b>52.3%</b>

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**Residence by Project**

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project <small>Craft Employment Summary through March 31, 2015</small>							
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 Long-Term Im	980,356	62,154	360,728	557,474	6.3%	36.8%	56.9%
WD-2581 - New Irvington Tunnel	681,108	2,775	279,540	398,794	0.4%	41.0%	58.6%
WD-2551 Calaveras Dam Replacement Project	623,453	2,849	196,230	424,374	0.5%	31.5%	68.1%
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay T	565,582	18,402	323,399	223,782	3.3%	57.2%	39.6%
WD-2601 - Crystal Springs / San Andreas Transmission Syste	486,918	25,272	191,330	270,315	5.2%	39.3%	55.5%
WD-2582 - Sunol Valley Water Treatment Plant and Treated	462,409	11,320	193,094	257,996	2.4%	41.8%	55.8%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	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 Reaches	208,220	14,155	83,024	111,042	6.8%	39.9%	53.3%
WD-2539 - University Mound Reservoir North Basin Seismic	187,025	50,004	44,746	92,276	26.7%	23.9%	49.3%
WD-2627R Sutro Reservoir Rehabilitation and Seismic Upgra	153,962	49,217	39,061	65,684	32.0%	25.4%	42.7%
HH-935C - San Joaquin Pipeline System - Eastern Segment &	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-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 Proiect	127,743	34,923	35,352	57,468	27.3%	27.7%	45.0%
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	117,809	6,825	61,030	49,955	5.8%	51.8%	42.4%
WD-2629 Seismic Upgrade of Bay Division Pipeline Nos. 3&4	114,606	555	45,005	69,047	0.5%	39.3%	60.2%
WD-2548 - Lake Merced Pump Station Essential Upgrades	101,056	23,185	27,208	50,663	22.9%	26.9%	50.1%
HH-935B - San Joaquin Pipeline System - Western Segment	100,478	426	42,710	57,342	0.4%	42.5%	57.1%
WD-2652 Bioregional Habitat Restoration, San Antonio Cree	98,903	1,839	38,434	58,631	1.9%	38.9%	59.3%
WD-2591 - Lower Crystal Springs Dam Improvements	98,686	5,022	57,610	36,055	5.1%	58.4%	36.5%
HH-935A - San Joaquin Pipeline System - Crossovers	84,472	158	45,733	38,581	0.2%	54.1%	45.7%
WD-2513 - San Andreas Pipeline No.3 Installation Project	82,356	6,294	26,717	49,345	7.6%	32.4%	59.9%
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and I	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-2575 San Antonio Backup Pipeline	73,490	8,999	30,789	33,701	12.2%	41.9%	45.9%
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 Structural Rehabilitat	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-2564 - Harry Tracy Water Treatment Plant - Short Term I	43,047	7,220	12,709	23,118	16.8%	29.5%	53.7%
WD-2641R Habitat Reserve Program, Homestead Pond, San	41,759	6,738	10,951	24,070	16.1%	26.2%	57.6%
WD-2727 Peninsula Pipeline Seismic Upgrade	34,299	7,346	10,237	16,715	21.4%	29.8%	48.7%
WD-2469 - Forest Knolls Pump Station and Storage Tank Upg	26,552	3,844	8,139	14,569	14.5%	30.7%	54.9%
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-2666 Bioregional Habitat Restoration, Sheep Camp Cree	22,141	46	7,022	15,073	0.2%	31.7%	68.1%
WD-2665 Bay Division Pipeline Reliability Upgrade Project -	21,967	341	6,958	14,668	1.6%	31.7%	66.8%
WD-2651R Peninsula 2011 Watershed Compensation, Sherw	20,985	557	10,029	10,399	2.7%	47.8%	49.6%
WD-2556 - Baden and San Pedro Valve Lot Improvements	19,937	4,570	10,632	4,735	22.9%	53.3%	23.8%
WD-2622 San Francisco Groundwater Supply Pipeline	15,546	3,558	2,122	9,866	22.9%	13.6%	63.5%
WD-2566 - San Antonio Pump Station Upgrades Project	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 Locations	11,261	136	6,592	4,534	1.2%	58.5%	40.3%
WD-2640 Bioregional Habitat Restoration	10,445	1,203	4,182	5,060	11.5%	40.0%	48.4%
WD-2600 Regional Groundwater Storage and Recovery Proiect	6,088	-	296	5,792	0.0%	4.9%	95.1%
WD-2589 - Supervisory Control and Data Acquisition SCADA	1,498	113	242	1,144	7.6%	16.1%	76.3%
WD-2621R San Francisco Groundwater Supply Well Stations	-	-	-	-	-	-	-
WD-2668 Regional Groundwater Storage and Recovery	-	-	-	-	-	-	-
WD-2707 As-Needed Integration Services (Lenel VAR require	-	-	-	-	-	-	-
<b>Total WSIP PLA</b>	<b>6,937,525</b>	<b>491,048</b>	<b>2,814,705</b>	<b>3,631,772</b>	<b>7%</b>	<b>41%</b>	<b>52%</b>

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**Apprentice Utilization**

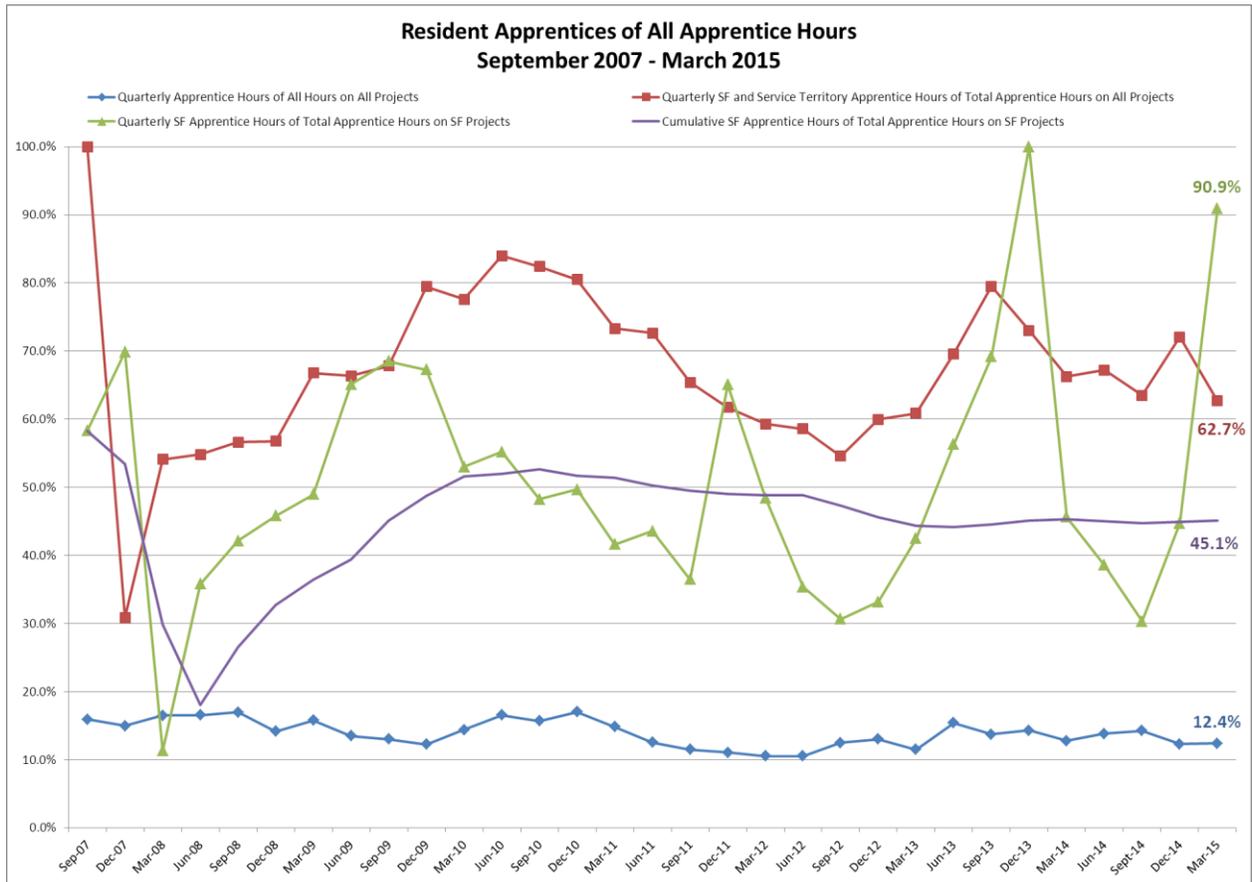
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally 1 Apprentice hour to every 5 journey-level hours.

Through the end of the current quarter, 13.2% 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.

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	890,090	20,655	3,912	11,451	5,293	2.3%	0.4%	1.3%	18.9%	55.4%	25.6%
A - CARPENTER AND RELATED TRADES	592,471	93,007	26,141	42,600	24,266	15.7%	4.4%	7.2%	28.1%	45.8%	26.1%
A - TUNNEL WORKER (LABORER)	587,180	-	-	-	-						
A - OPERATING ENGINEER	454,043	146,282	24,343	55,969	65,971	32.2%	5.4%	12.3%	16.6%	38.3%	45.1%
A - PLUMBER	403,612	112,968	32,532	55,498	24,937	28.0%	8.1%	13.8%	28.8%	49.1%	22.1%
A - ELECTRICIAN	383,790	72,060	7,565	49,267	15,229	18.8%	2.0%	12.8%	10.5%	68.4%	21.1%
A - IRON WORKER	227,229	50,740	11,896	20,914	17,930	22.3%	5.2%	9.2%	23.4%	41.2%	35.3%
A - PILE DRIVER (CARPENTER)	156,357	11,964	4,401	3,446	4,117	7.7%	2.8%	2.2%	36.8%	28.8%	34.4%
A - PAINTER	135,625	22,827	1,793	3,399	17,635	16.8%	1.3%	2.5%	7.9%	14.9%	77.3%
A - BOILERMAKER-BLACKSMITH	114,468	2,354	40	1,238	1,076	2.1%		1.1%	1.7%	52.6%	45.7%
A - CEMENT MASON	105,848	4,854	3,558	144	1,152	4.6%	3.4%	0.1%	73.3%	3.0%	23.7%
A - PILE DRIVER (OPERATING ENGINEER	51,998	30	-	-	30	0.1%					100.0%
A - BUILDING/CONSTRUCTION INSPECTO	44,858	752	5	591	156	1.7%		1.3%	0.7%	78.6%	20.7%
A - ROOFER	43,581	10,320	1,121	4,814	4,386	23.7%	2.6%	11.0%	10.9%	46.6%	42.5%
A - FIELD SURVEYOR	19,178	281	-	66	215	1.5%		0.3%		23.5%	76.5%
A - SHEET METAL WORKER	13,451	1,570	16	919	635	11.7%	0.1%	6.8%	1.0%	58.5%	40.5%
A - DRYWALL INSTALLER/LATHER (CARP	10,014	281	60	155	66	2.8%	0.6%	1.5%	21.4%	55.2%	23.5%
A - BRICKLAYER, BLOCKLAYER	8,465	2,647	82	573	1,992	31.3%	1.0%	6.8%	3.1%	21.6%	75.3%
A - ELECTRICAL UTILITY LINEMAN	6,449	79		79	-	1.2%		1.2%		100.0%	
A - GLAZIER	3,763	504	342	20	142	13.4%	9.1%	0.5%	67.9%	4.0%	28.2%
A - OPERATING ENGINEER (SPECIAL SINC	2,637	1,162	-	1,047	115	44.1%	0.0%		0.0%		9.9%
A - PLASTERER	2,526	347	136	-	211	13.7%		0.0%		0.0%	60.8%
A - BRICK TENDER	773	24	24	-	-	3.1%	3.1%		100.0%		
A - PLASTER TENDER	725	-	-	-	-						
A - PARKING AND HIGHWAY IMPROVEM	696	-	-	-	-						
A - ASBESTOS WORKER, HEAT AND FROS	507	-	-	-	-						
A - TILE SETTER	351	20		20	-	5.7%		5.7%		100.0%	
A - CARPET, LINOLEUM, SOFT FLOOR LA	302	12	-	12	-	4.0%		4.0%		100.0%	
A - TILE FINISHER	277	40		-	40	14.4%					100.0%
A - METAL ROOFING SYSTEMS INSTALLE	201	-	-	-	-						
A - TERRAZZO WORKER	199	-	-	-	-						
A - SHEET METAL WORKER (HVAC)	172	8		8	-	4.7%		4.7%		100.0%	
A - MARBLE FINISHER	40	-	-	-	-						
A - TERRAZZO FINISHER	4	-	-	-	-						
<b>Sub-Total Apprenticeable</b>	<b>4,261,875</b>	<b>555,785</b>	<b>117,966</b>	<b>252,227</b>	<b>185,592</b>	<b>13.0%</b>	<b>2.8%</b>	<b>5.9%</b>	<b>21%</b>	<b>45%</b>	<b>33%</b>
A - LABORER	2,252,252	302,286	38,072	202,562	61,652	13.4%	1.7%	9.0%	13%	67%	20%
A - OPERATING ENGINEER (COMBINED)	1,398,767	168,129	28,254	68,467	71,408	12.0%	2.0%	4.9%	17%	41%	42%
<b>Total Apprenticeable</b>	<b>6,514,127</b>	<b>858,071</b>	<b>156,038</b>	<b>454,789</b>	<b>247,245</b>	<b>13.2%</b>	<b>2.4%</b>	<b>7.0%</b>	<b>18%</b>	<b>53%</b>	<b>29%</b>
<b>Total Non-Apprenticeable</b>	<b>423,398</b>										
<b>Total WSIP - Covered by PLA</b>	<b>6,937,525</b>										

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For the three months ending March 31, 2015, 90.9% of Apprentice Hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). This is up nearly 45% from last quarter.



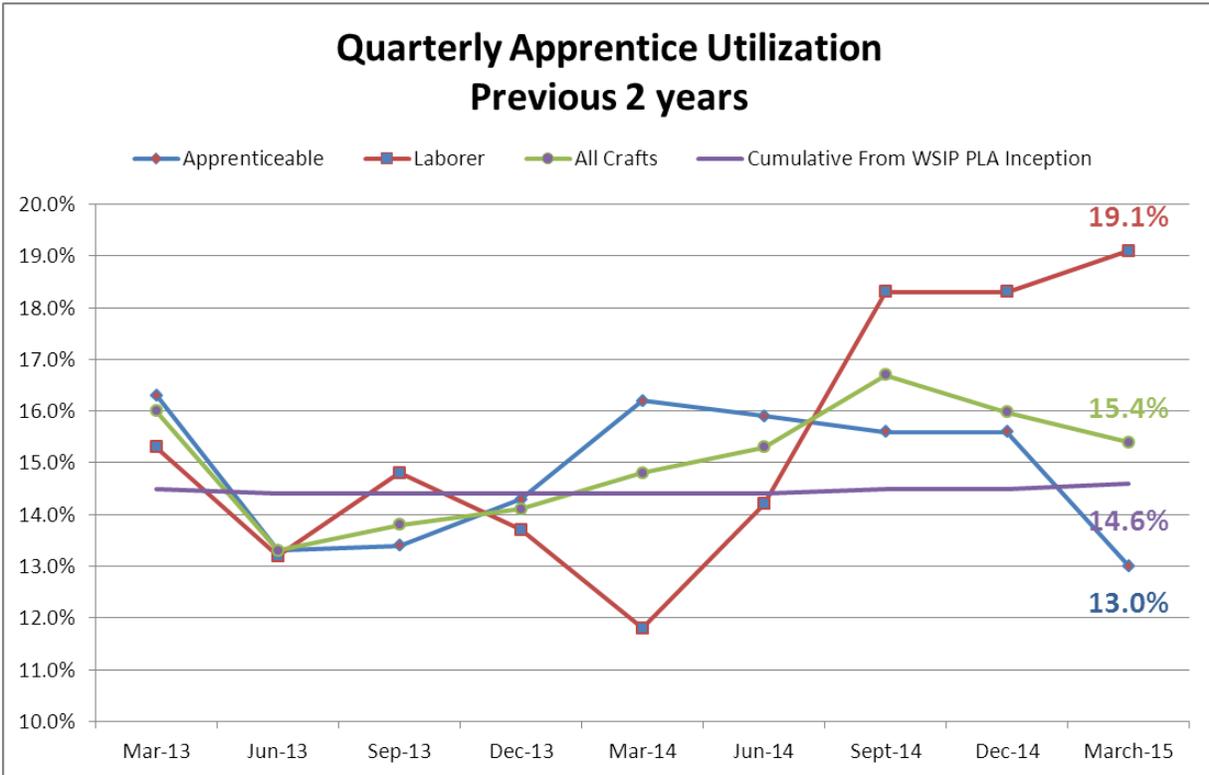
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 14.6%. This is slightly higher than the 13.2% mentioned in the Apprentice Utilization by Craft page because in this chart 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 March 31, 2014											
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%	35.0%
HH-953 - Tesla Portal Protection	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11%	40%	28.6%
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	117,809	51,330	54,937	11,543	62,872	12,356	5,252	17,607	24%	46%	28.0%
WD-2727 Peninsula Pipeline Seismic Upgrade	34,299	14,518	1,747	18,034	32,552	2,642	3,673	6,315	18%	20%	19.4%
DB-116 - Tesla Treatment Facility	141,840	97,724	1,863	42,254	139,977	16,580	10,380	26,960	17%	25%	19.3%
WD-2641R Habitat Reserve Program, Homestead Pond, San Andreas R	41,759	7,322	52	34,386	41,707	1,467	6,140	7,607	20%	18%	18.2%
WD-2652 Bioregional Habitat Restoration, San Antonio Creek	98,903	19,404	2,526	76,973	96,377	1,468	15,733	17,201	8%	20%	17.8%
WD-2651R Peninsula 2011 Watershed Compensation, Sherwood Point	20,985	4,777	3,239	12,970	17,747	763	2,372	3,135	16%	18%	17.7%
WD-2581 - New Irvington Tunnel	681,108	210,850	394,441	75,817	286,667	30,400	18,792	49,192	14%	25%	17.2%
WD-2552 - Alameda Siphon No. 4 Project	129,478	75,394	8,009	46,075	121,469	11,675	9,053	20,728	16%	20%	17.1%
WD-2575 San Antonio Backup Pipeline	73,490	45,032	1,139	27,319	72,351	6,449	5,957	12,406	14%	22%	17.1%
WD-2539 - University Mound Reservoir North Basin Seismic Upgrades	187,025	106,325	1,199	79,502	185,827	23,847	6,500	30,346	22%	8%	16.3%
WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and R	50,372	35,367	310	14,695	50,061	7,152	673	7,825	20%	5%	15.6%
WD-2640 Bioregional Habitat Restoration	10,445	4,487	813	5,145	9,633	701	786	1,487	16%	15%	15.4%
HH-914R - Roselle Crossover Improvements	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17%	12%	15.3%
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Re	462,409	293,845	13,013	155,551	449,396	49,266	19,350	68,616	17%	12%	15.3%
WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improveme	980,356	649,347	39,975	291,034	940,381	106,293	35,474	141,767	16%	12%	15.1%
WD-2629 Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the H	114,606	64,338	1,520	48,749	113,086	7,692	8,980	16,672	12%	18%	14.7%
WD-2600 Regional Groundwater Storage and Recovery Project- Test V	6,088	-	4,027	2,061	2,061	-	296	296	0%	14%	14.3%
WD-2627R Suro Reservoir Rehabilitation and Seismic Upgrade	153,962	77,023	8,887	68,052	145,075	15,391	5,248	20,639	20%	8%	14.2%
WD-2556 - Baden and San Pedro Valve Lot Improvements	19,937	11,044	344	8,550	19,593	951	1,788	2,738	9%	21%	14.0%
WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	565,582	156,824	332,442	76,316	233,140	13,875	17,703	31,578	9%	23%	13.5%
WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvme	74,299	40,451	-	33,849	74,299	9,134	757	9,891	23%	2%	13.3%
WD-2551 Calaveras Dam Replacement Project	623,453	357,025	32,815	233,614	590,639	36,745	41,040	77,785	10%	18%	13.2%
WD-2513 - San Andreas Pipeline No.3 Installation Project	82,356	28,627	10,820	42,909	71,535	3,994	5,317	9,311	14%	12%	13.0%
WD-2566 - San Antonio Pump Station Upgrades Project	14,916	8,241	137	6,539	14,779	859	939	1,798	10%	14%	12.2%
HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Fa	144,007	89,193	1,840	52,974	142,167	8,862	8,401	17,263	10%	16%	12.1%
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrad	486,918	296,607	59,957	130,355	426,961	37,575	10,835	48,410	13%	8%	11.3%
WD-2622 San Francisco Groundwater Supply Pipeline	15,546	3,783	1,682	10,081	13,864	222	1,318	1,540	6%	13%	11.1%
WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade	26,552	17,167	49	9,337	26,503	2,888	19	2,907	17%	0%	11.0%
WD-2555 - Crystal Springs Pipeline No.2 Replacement Project	127,743	49,079	9,727	68,938	118,016	7,559	5,394	12,953	15%	8%	11.0%
WD-2548 - Lake Merced Pump Station Essential Upgrades	101,056	72,288	2,264	26,504	98,792	10,678	137	10,815	15%	1%	10.9%
HH-935A - San Joaquin Pipeline System - Crossovers	84,472	53,738	839	29,895	83,633	5,351	3,652	9,003	10%	12%	10.8%
HH-935B - San Joaquin Pipeline System - Western Segment	100,478	52,964	11,917	35,598	88,561	4,059	5,243	9,302	8%	15%	10.5%
WD-2501 - Alemany Pump Station	74,094	54,304	48	19,741	74,046	7,406	223	7,629	14%	1%	10.3%
WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches	208,220	89,081	12,797	106,342	195,423	10,018	10,170	20,188	11%	10%	10.3%
WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches	287,972	90,615	31,454	165,904	256,518	7,049	19,153	26,202	8%	12%	10.2%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12%	5%	9.9%
WD-2591 - Lower Crystal Springs Dam Improvements	98,686	40,896	1,323	56,467	97,363	4,833	3,853	8,685	12%	7%	8.9%
WD-2665 Bay Division Pipeline Reliability Upgrade Project - Bav Divis	21,967	10,548	234	11,185	21,733	168	1,741	1,909	2%	16%	8.8%
WD-2666 Bioregional Habitat Restoration, Sheep Camp Creek	22,141	15,717	-	6,424	22,141	228	1,599	1,827	2%	25%	8.2%
WD-2589 - Supervisory Control and Data Acquisition SCADA System Ph	1,498	728	-	771	1,498	115	-	115	16%	0%	7.7%
WD-2623 - Harding Park Recycled Water Project	22,726	7,868	456	14,402	22,270	696	949	1,645	9%	7%	7.4%
WD-2543 - North University Mound System Upgrade	53,226	14,375	7,051	31,800	46,175	743	2,255	2,998	5%	7%	6.5%
WD-2511 - Standby Power Facilities, Various Locations	11,261	9,032	-	2,230	11,261	626	-	626	7%	0%	5.6%
WD-2529 - Noe Valley Transmission Main - Phase II	22,511	6,021	2,067	14,423	20,444	-	1,133	1,133	0%	8%	5.5%
WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improveme	43,047	22,610	80	20,358	42,967	2,089	-	2,089	9%	0%	4.9%
WD-2621R San Francisco Groundwater Supply Well Stations	-	-	-	-	-	-	-	-	0%	0%	0.0%
WD-2668 Regional Groundwater Storage and Recovery	-	-	-	-	-	-	-	-	0%	0%	0.0%
WD-2707 As-Needed Integration Services (Lenel VAR required) 2013-2	-	-	-	-	-	-	-	-	0%	0%	0.0%
<b>Total WSIP PLA</b>	<b>6,937,525</b>	<b>4,261,875</b>	<b>1,060,425</b>	<b>2,252,252</b>	<b>6,514,127</b>	<b>555,785</b>	<b>302,286</b>	<b>858,071</b>	<b>15%</b>	<b>13%</b>	<b>14.6%</b>

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The following charts indicate Quarterly Apprentice Utilization over the past two years ending March 31, 2015 for apprenticeable trades excluding the Laborers trade because of the amount of hours the Laborers have worked, as well as, only the Laborers, the combined apprenticeable trades and Laborers Crafts, and the cumulative percentage for the projects under the WSIP PLA. Over the past year, the overall Quarterly Apprentice Utilization has increased every quarter.



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**Jobs Training and Opportunities Program (JTOP)**

As of March 31, 2015, the SFPUC and City staff have referred 532 Apprentices and 269 Journeymen who participated from JTOPs to WSIP PLA-covered Projects. These 801 individuals represent 10.5% 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, 2015						
Referred Apprentice Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Apprentices	% Of Total Apprentice Hours	% Of Total Apprentice Wages
CityBuild Academy	49	36,117	\$ 884,971	3.2%	4.2%	4.0%
CityBuild Referral Services	63	32,270	\$ 830,822	4.1%	3.8%	3.7%
Cypress Mandela Training Center, Inc.	35	49,804	\$ 1,165,275	2.3%	5.8%	5.2%
Helmets to Hardhats	1	3,339	\$ 80,910	0.1%	0.4%	0.4%
Job Corps	1	4,328	\$ 129,666	0.1%	0.5%	0.6%
JobTrain's Project Build	57	76,998	\$ 1,825,548	3.7%	8.9%	8.2%
Northern California Construction and Training, Inc.	7	7,233	\$ 158,276	0.5%	0.8%	0.7%
San Joaquin County Office of Ed. YouthBuild	11	16,900	\$ 364,200	0.8%	1.9%	1.6%
SFPUC	63	55,236	\$ 1,437,404	4.1%	6.4%	6.5%
Sponser	6	22,386	\$ 543,038	0.4%	2.6%	2.4%
Union	239	178,303	\$ 4,505,236	15.6%	20.7%	20.3%
<b>Total Referred Apprentice Workers</b>	<b>532</b>	<b>482,911</b>	<b>\$ 11,925,345</b>	<b>34.9%</b>	<b>56.3%</b>	<b>53.7%</b>
Non-Referred Apprentices	994	375,329	\$ 10,270,628	65.1%	43.7%	46.3%
<b>Total Apprentices</b>	<b>1,526</b>	<b>858,240</b>	<b>\$ 22,195,973</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Referred Journeyman Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Journey Level Workers	% Of Total Journey Hours	% Of Total Journey Wages
CityBuild Academy	8	7,291	\$ 238,382	0.1%	0.1%	0.1%
CityBuild Referral Services	71	49,693	\$ 2,151,100	0.8%	0.9%	0.9%
Cypress Mandela Training Center, Inc.	8	8,577	\$ 274,042	0.1%	0.2%	0.1%
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	16,958	\$ 527,173	0.2%	0.3%	0.2%
Northern California Construction and Training, Inc.	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	31	45,065	\$ 1,561,629	0.3%	0.7%	0.6%
Sponser	1	377	\$ 10,238	0.0%	0.0%	0.0%
Union	133	113,636	\$ 4,236,508	1.4%	1.9%	1.6%
<b>Total Referred Journeyman Workers</b>	<b>269</b>	<b>243,506</b>	<b>\$ 9,048,968</b>	<b>2.8%</b>	<b>4.0%</b>	<b>3.7%</b>
Non-Referred Journeymen	9,312	5,837,154	\$ 238,014,030	97.2%	96.0%	96.3%
<b>Total Journeymen</b>	<b>9,581</b>	<b>6,080,660</b>	<b>\$ 247,062,998</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

Total Workforce						
<b>Total Referred Workers (J+A)</b>	<b>801</b>	<b>726,417</b>	<b>\$ 20,974,313</b>	<b>7.2%</b>	<b>10.5%</b>	<b>7.8%</b>
All Non-Referred Workers						
All Non-Referred Workers	10,306	6,212,483	\$ 248,284,658	92.8%	89.5%	92.2%
<b>Total Workforce</b>	<b>11,107</b>	<b>6,938,900</b>	<b>\$ 269,258,971</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

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

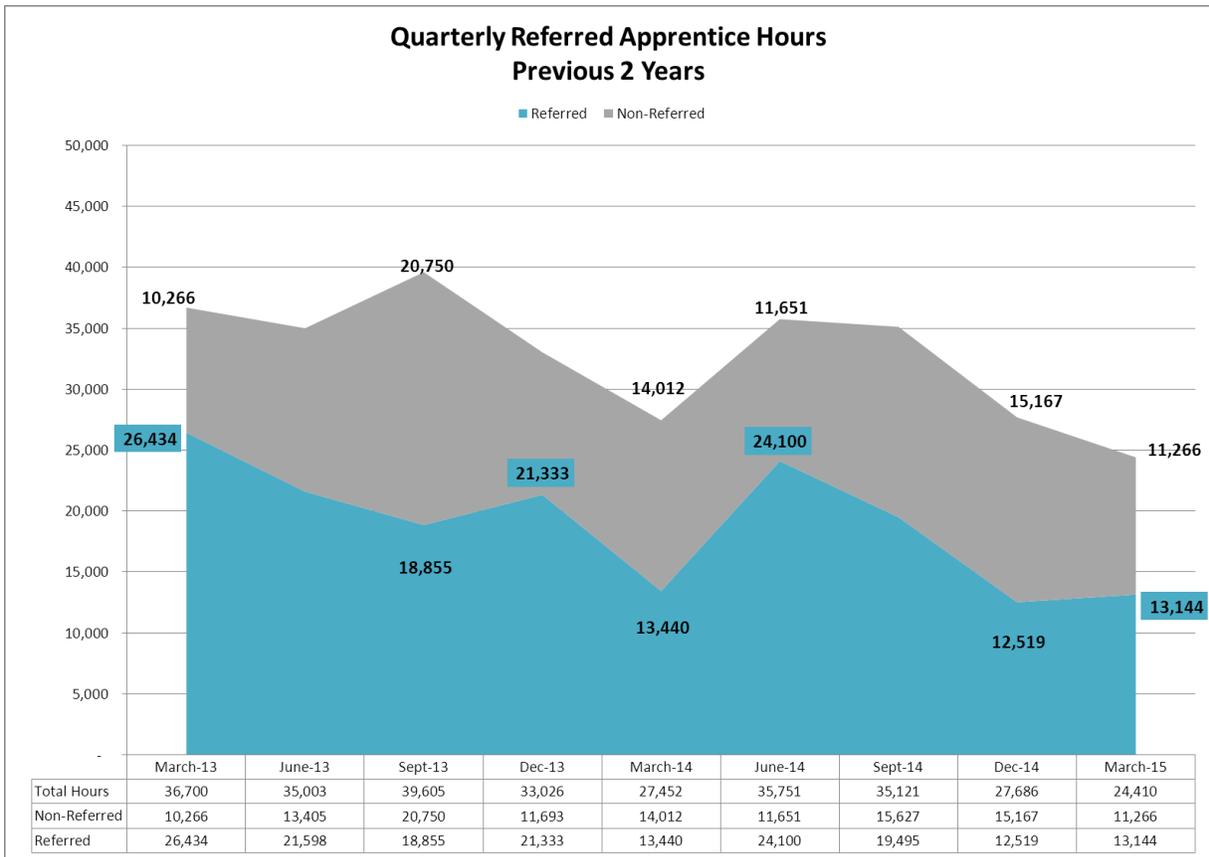
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This table illustrates *JTOP Referred Worker Utilization by Project* with the greatest total project participation listed first.

Referred Worker Utilization by WSIP-PLA Covered Project									
Inception through March 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	99.8%	10.5%	35.7%
WD-2651R Peninsula 2011 Watershed Cor	20,985	3,135	17,851	2,372	2,443	4,815	75.7%	13.7%	22.9%
WD-2623 - Harding Park Recycled Water P	22,726	1,645	21,081	1,280	3,659	4,938	77.8%	17.4%	21.7%
HH-935C - San Joaquin Pipeline System - E	144,007	17,263	126,744	14,185	8,693	22,877	82.2%	6.9%	15.9%
WD-2652 Bioregional Habitat Restoration	98,903	17,201	81,702	12,766	2,914	15,679	74.2%	3.6%	15.9%
WD-2555 - Crystal Springs Pipeline No.2 R	127,743	12,953	114,791	12,193	7,984	20,177	94.1%	7.0%	15.8%
WD-2552 - Alameda Siphon No. 4 Project	129,478	20,728	108,750	16,749	3,356	20,105	80.8%	3.1%	15.5%
WD-2539 - University Mound Reservoir N	187,025	30,346	156,679	14,817	12,647	27,463	48.8%	8.1%	14.7%
WD-2548 - Lake Merced Pump Station Ess	101,056	10,815	90,241	4,034	10,787	14,821	37.3%	12.0%	14.7%
WD-2629 Seismic Upgrade of Bay Division	114,606	16,672	97,934	13,310	3,384	16,693	79.8%	3.5%	14.6%
WD-2627R Sutro Reservoir Rehabilitation	153,962	20,639	133,323	16,028	6,072	22,099	77.7%	4.6%	14.4%
WD-2641R Habitat Reserve Program, Hom	41,759	7,607	34,152	4,844	1,184	6,028	63.7%	3.5%	14.4%
WD-2640 Bioregional Habitat Restoration	10,445	1,487	8,958	1,391	75	1,466	93.5%	0.8%	14.0%
WD-2665 Bay Division Pipeline Reliability	21,967	1,909	20,059	1,848	1,135	2,983	96.8%	5.7%	13.6%
WD-2601 - Crystal Springs / San Andreas T	486,918	48,410	438,508	38,200	27,058	65,258	78.9%	6.2%	13.4%
WD-2551 Calaveras Dam Replacement Pro	623,453	77,785	545,668	63,962	15,669	79,631	82.2%	2.9%	12.8%
WD-2727 Peninsula Pipeline Seismic Upg	34,299	6,315	27,984	2,576	1,824	4,399	40.8%	6.5%	12.8%
WD-2666 Bioregional Habitat Restoration	22,141	1,827	20,314	778	2,039	2,817	42.6%	10.0%	12.7%
WD-2596 - Harry Tracy Water Treatment P	980,356	141,767	838,589	78,360	35,927	114,287	55.3%	4.3%	11.7%
WD-2591 - Lower Crystal Springs Dam Imp	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 Inst	82,356	9,311	73,045	8,522	513	9,035	91.5%	0.7%	11.0%
CS-936 - Advanced Meter Infrastructure	227,022	79,373	147,649	4,405	20,110	24,515	5.5%	13.6%	10.8%
WD-2556 - Baden and San Pedro Valve Lo	19,937	2,738	17,199	2,057	98	2,155	75.1%	0.6%	10.8%
WD-2575 San Antonio Backup Pipeline	73,490	12,406	61,084	4,212	3,064	7,276	34.0%	5.0%	9.9%
WD-2531 - Bay Division Pipelines Reliabil	565,582	31,578	534,004	27,295	26,382	53,677	86.4%	4.9%	9.5%
WD-2622 San Francisco Groundwater Sup	15,546	1,540	14,006	222	1,187	1,409	14.4%	8.5%	9.1%
WD-2542 - Bay Division Pipeline No. 5 - Pe	287,972	26,202	261,770	20,197	4,770	24,967	77.1%	1.8%	8.7%
HH-935B - San Joaquin Pipeline System - V	100,478	9,302	91,176	5,795	1,923	7,717	62.3%	2.1%	7.7%
WD-2582 - Sunol Valley Water Treatment	462,409	68,616	393,794	27,121	8,277	35,398	39.5%	2.1%	7.7%
WD-2469 - Forest Knolls Pump Station and	26,552	2,907	23,645	1,961	32	1,993	67.5%	0.1%	7.5%
WD-2504 - Stanford Heights Reservoir Sei	74,299	9,891	64,408	1,336	4,241	5,577	13.5%	6.6%	7.5%
WD-2541 - Bay Division Pipeline No. 5 - Ea	208,220	20,188	188,033	10,927	3,718	14,645	54.1%	2.0%	7.0%
WD-2581 - New Irvington Tunnel	681,108	49,192	631,917	34,437	11,570	46,006	70.0%	1.8%	6.8%
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 Main	22,511	1,133	21,378	1,133	263	1,396	100.0%	1.2%	6.2%
WD-2566 - San Antonio Pump Station Upg	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 Reservoir Str	50,372	7,825	42,547	1,458	1,282	2,740	18.6%	3.0%	5.4%
WD-2543 - North University Mound Syste	53,226	2,998	50,228	2,550	106	2,656	85.1%	0.2%	5.0%
WD-2600 Regional Groundwater Storage a	6,088	296	5,792	296	-	296	100.0%	0.0%	4.9%
HH-935A - San Joaquin Pipeline System - E	84,472	9,003	75,469	3,595	422	4,017	39.9%	0.6%	4.8%
WD-2568 - BDPL Nos. 3&4 Crossover Facili	47,910	4,538	43,373	2,020	185	2,205	44.5%	0.4%	4.6%
WD-2564 - Harry Tracy Water Treatment P	43,047	2,089	40,959	1,329	183	1,512	63.6%	0.4%	3.5%
HH-914R - Roselle Crossover Improvemen	12,859	1,943	10,917	256	32	288	13.2%	0.3%	2.2%
WD-2498 - New Crystal Springs Bypass (Po	117,809	17,607	100,202	314	291	605	1.8%	0.3%	0.5%
WD-2511 - Standby Power Facilities, Vari	11,261	626	10,635	-	4	4	0.0%	0.0%	0.0%
WD-2589 - Supervisory Control and Data A	1,498	115	1,383	-	-	-	0.0%	0.0%	0.0%
WD-2621R San Francisco Groundwater Su	-	-	-	-	-	-	0.0%	0.0%	0.0%
WD-2668 Regional Groundwater Storage a	-	-	-	-	-	-	0.0%	0.0%	0.0%
WD-2707 As-Needed Integration Services	-	-	-	-	-	-	0.0%	0.0%	0.0%
<b>Total WSIP PLA</b>	<b>6,937,525</b>	<b>858,071</b>	<b>6,079,454</b>	<b>482,911</b>	<b>243,506</b>	<b>726,417</b>	<b>56.3%</b>	<b>4.0%</b>	<b>10.5%</b>

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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 12,519 referred hours in the quarter ending Dec-14, those hours still accumulated for almost half of all apprentice hours in that quarter. During the most recent reporting quarter, referred hours increased from the previous quarter while the total hours decreased enabling the referred apprentice hours percentage to rise to 54%.



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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.

As of March 31, 2015, 12,640 pre-employment tests had been administered to people who were cleared to work. 160 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 March 31, 2015	
Project	Number Cleared
*WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,371
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,161
*WD-2551 Calaveras Dam Replacement Project	945
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	634
*WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	580
WD-2548 - Lake Merced Pump Station Essential Upgrades	530
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-2627R Sutro Reservoir Rehabilitation and Seismic Upgrade	217
WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel	212
*WD-2629 Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault	210
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	89
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, Sk	63
WD-2543 - North University Mound System Upgrade	55
*WD-2727 Peninsula Pipeline Seismic Upgrade	55
WD-2665 Bay Division Pipeline Reliability Upgrade Project - Bay Division Pipeline No. 5, Cordi	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, Ado	23
*WD-2622 San Francisco Groundwater Supply Pipeline	18
WD-2600 Regional Groundwater Storage and Recovery Project- Test Well Drilling	10
HH-953 - Tesla Portal Protection	7
WD-2623 - Harding Park Recycled Water Project	7
*WD-2621R San Francisco Groundwater Supply Well Stations	-
*WD-2640 Bioregional Habitat Restoration	-
*WD-2668 Regional Groundwater Storage and Recovery	-
*WD-2707 As-Needed Integration Services (Lenel VAR required) 2013-2015	-
<b>Total Cleared</b>	<b>12,640</b>

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**Legislative History of the WSIP PLA**

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

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

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

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

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

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

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**Governance**

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

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

**Pre-Job Conferences and Jurisdictional Disputes**

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

**Web-Based Labor Compliance Program**

All SFPUC construction projects including those covered by the WSIP PLA utilize the City's web-based labor compliance program (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 June 30, 2015  
(Fourth Quarter FY 2014-2015)**

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San Francisco Public Utilities Commission  
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**Executive Summary**

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty WSIP contracts have been awarded subject to the WSIP PLA in the amount of \$2.004 billion in original contract award through June 30, 2015.

Construction Activity Highlights – Program-to-Date

**Contracting:**

- Fifty (50) construction contracts with a value of \$2.004 Billion in original contract award have been awarded subject to the WSIP PLA.

**Employment:**

- Since inception, 12,134 construction workers were employed for 7,079,380 hours and earned wages of \$274,595,336 on WSIP PLA-covered projects.
- 1,002 San Francisco residents worked 498,155 hours and earned \$18,513,861 on WSIP PLA-Covered Projects representing 7% of covered hours and 239 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. 5,132 residents of the Service Territory earned wages of \$109,008,089 and worked 2,869,180 hours, representing 40.5% of covered hours and 1,379 full-time equivalent worker years.
- 13,017 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of June 30, 2015. 165 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, 2015			
	Worker Count	Sum of Hours	Sum of Wages	FTE
All Workers	12,134	7,079,380	\$ 274,595,336	3,404
San Francisco	1,002	498,155	\$ 18,513,861	239
SFPUC Service Territory	5,132	2,869,180	\$ 109,008,089	1,379
Outside	6,268	3,712,046	\$ 147,073,386	1,785

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Construction Activity Highlights – Quarter Ending June 30, 2015

**Contracting:**

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

**Employment:**

- 665 construction workers were employed for 129,418 hours and earned wages of \$4,919,593 on WSIP PLA-covered projects.
- 50 San Francisco residents worked 6,421 hours and earned wages of \$237,003 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, 243 residents of the Service Territory worked 50,852 hours and earned wages of \$1,834,374 on WSIP PLA-Covered projects.
- 196 negative pre-employment substance abuse tests 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 June 30, 2015			
	Worker Count	Sum of Hours	Sum Of Wages	FTE*
All Workers	665	129,418	\$ 4,919,593	62
San Francisco	50	6,421	\$ 237,003	3
SFPUC Service Territory	243	50,852	\$ 1,834,374	24
Outside	378	72,145	\$ 2,848,216	35

\*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 WISP-PLA Inception through June 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
02/11/14	WD-2707	G4S Technology	As-Needed Integration Services (Lenel VAR Required) - 2	\$1.2 Million	1,187,648
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 Poi	\$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 D	\$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
<b>Total 50 Projects</b>					<b>\$ 2,004,420,404</b>

\* Indicates projects located in San Francisco

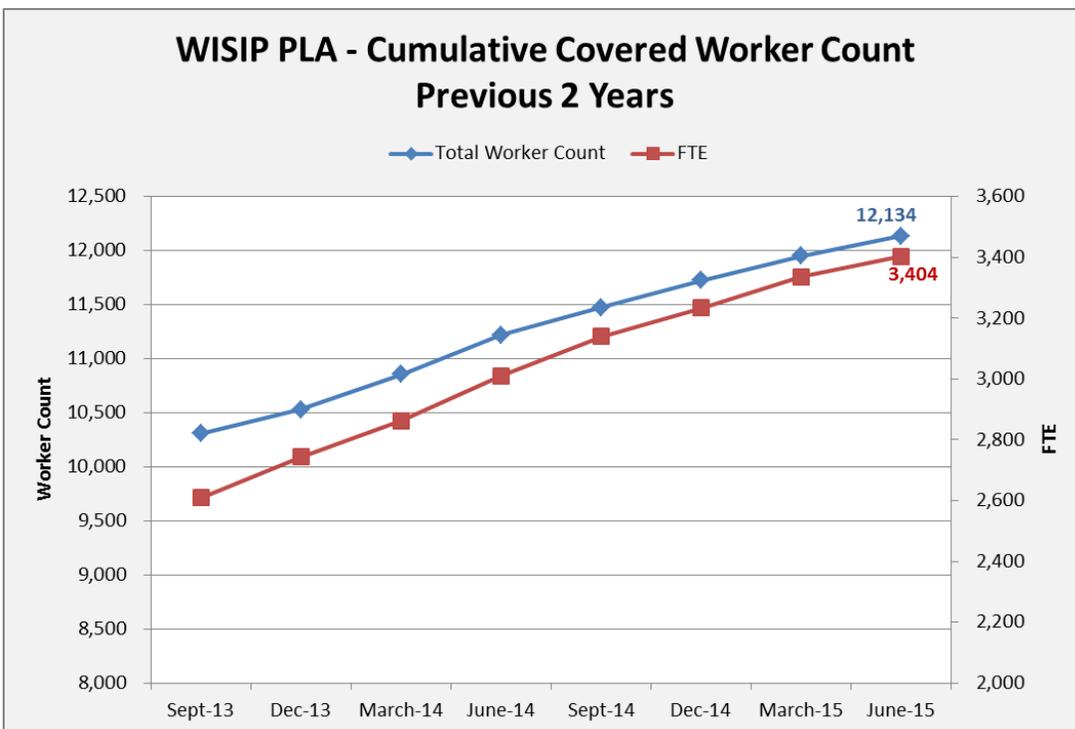
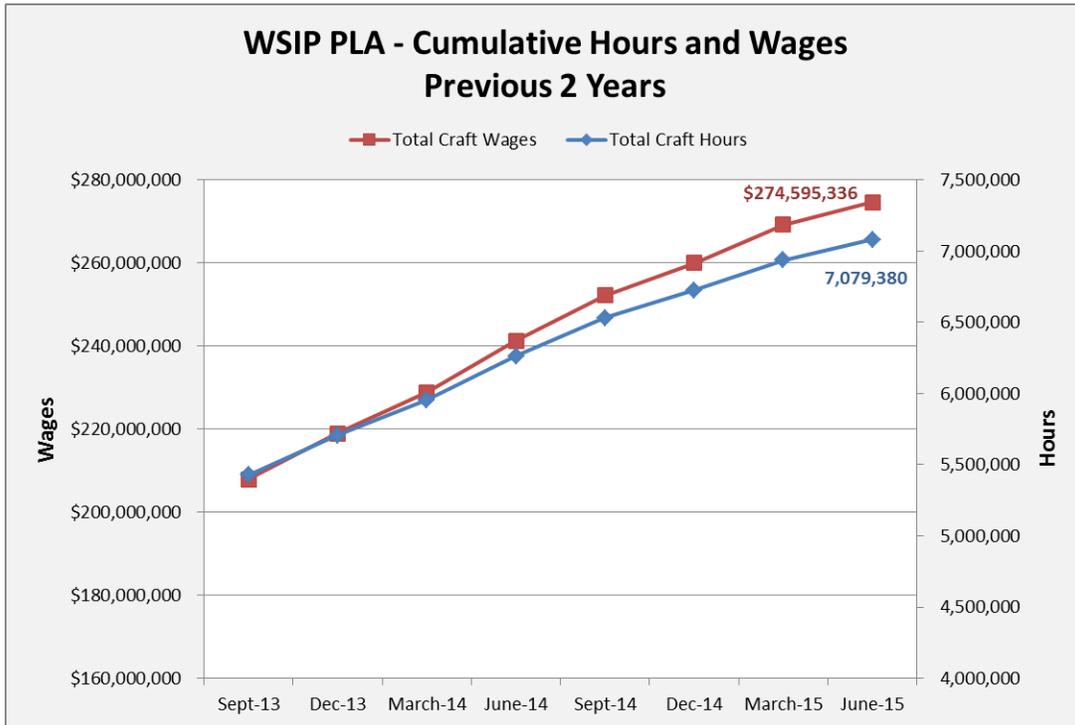
\*Indicates the project was closed out this quarter

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**Summary Charts**

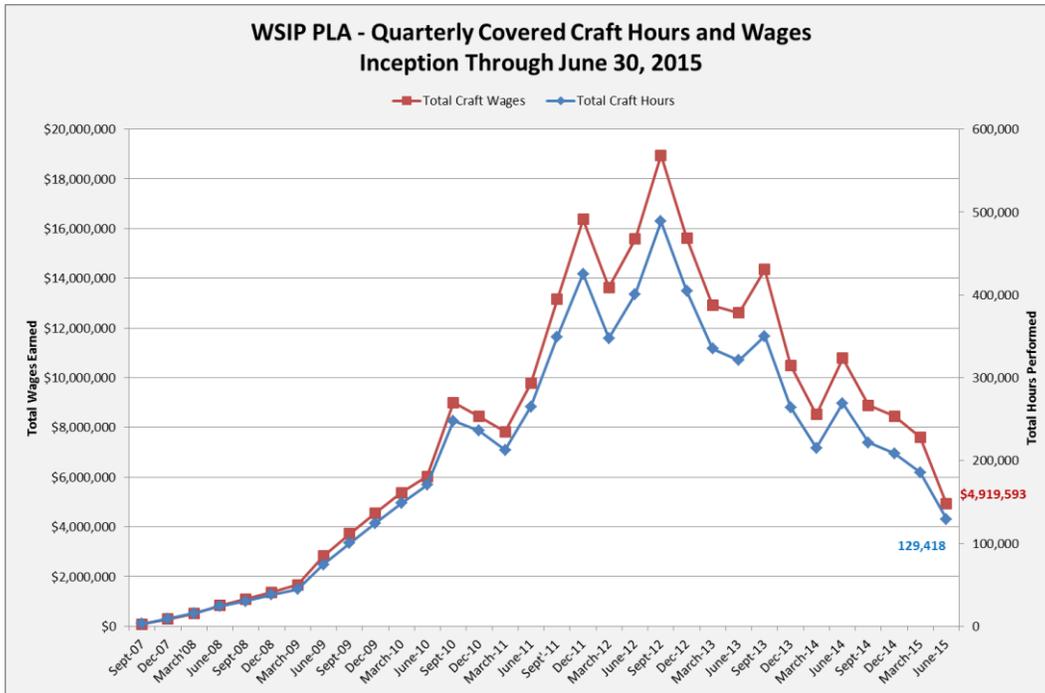
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending June 30, 2015; 12,134 workers on WSIP PLA-covered projects have achieved a cumulative total of 7,079,380 craft hours and \$274,595,336 in craft wages.

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

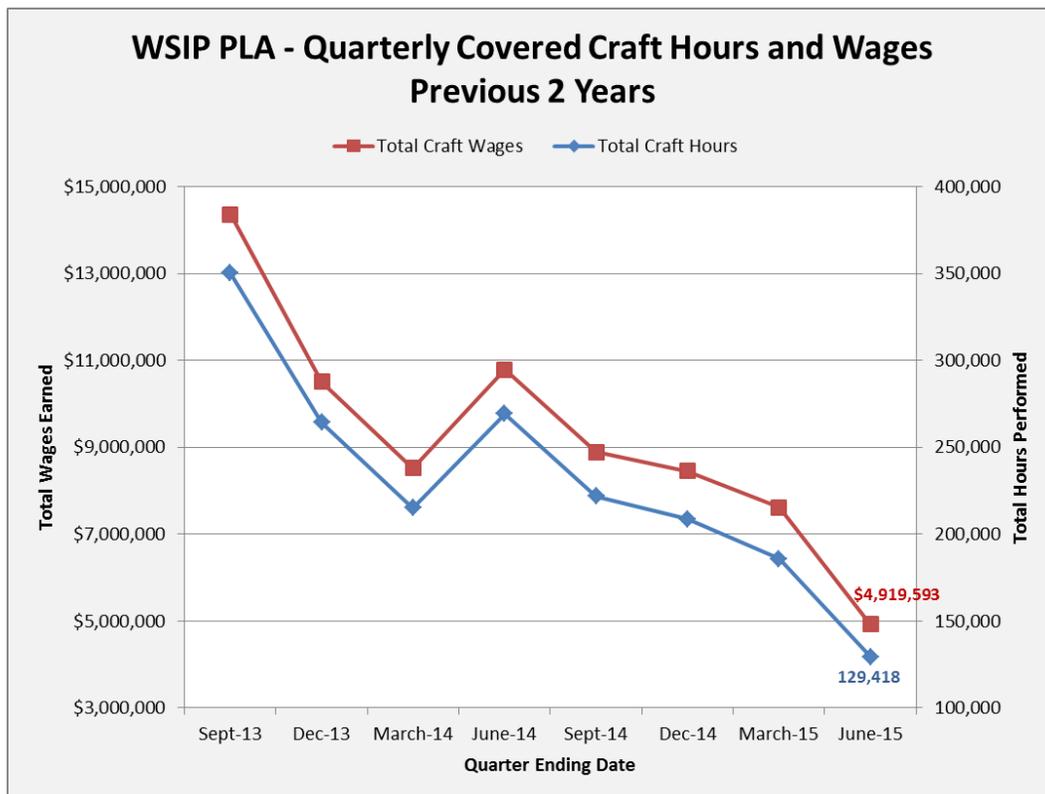


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The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 85% total completion, Craft Hours have begun and will continue to trend down until total completion.



The chart below represents a close-up of the one above highlighting the past 2 years.



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

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

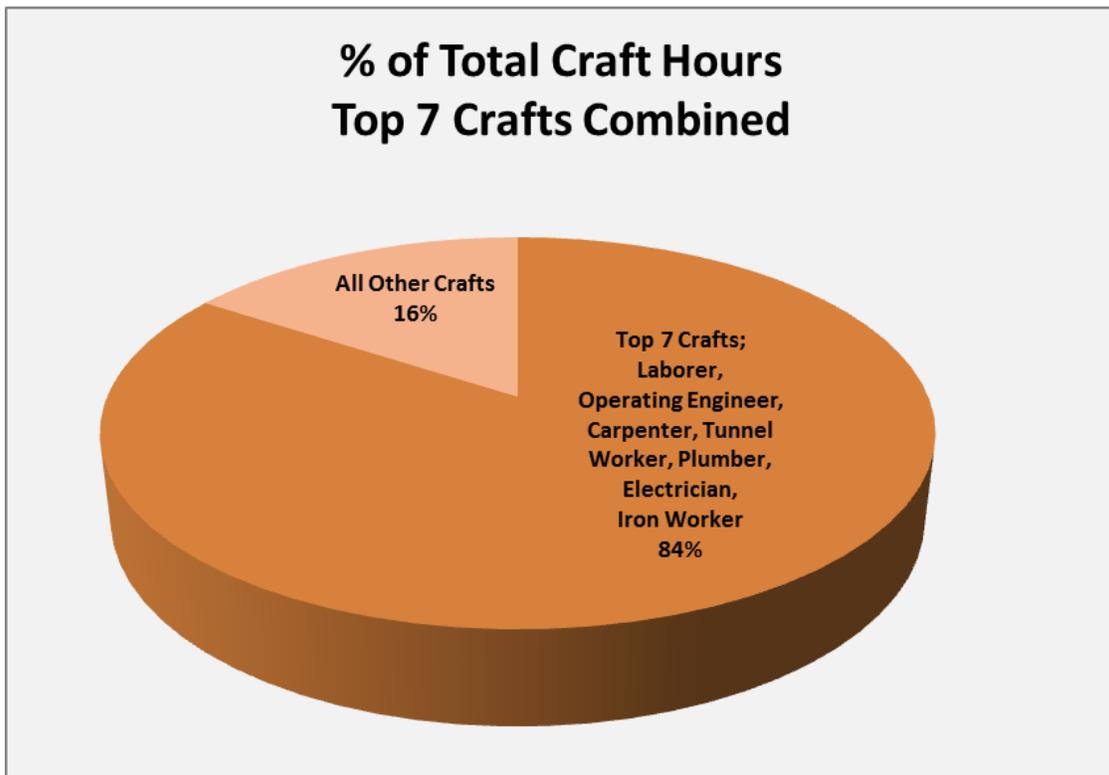
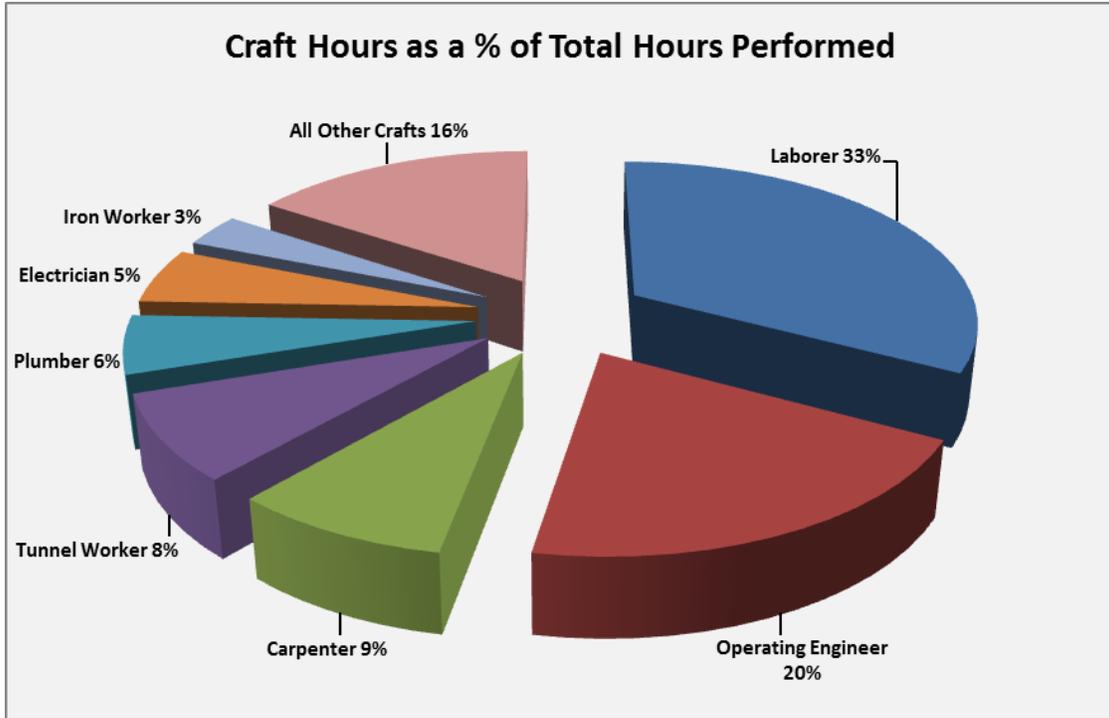
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers respectively represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed by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

Sorted by Total Craft Hours

<b>Cumulative Employment by Craft</b>					
Inception Through June 30, 2015					
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages	FTE
LABORER	2,307,327	\$ 69,260,749	33.0%	25.2%	1,109
OPERATING ENGINEER	1,426,401	\$ 56,489,324	20.1%	20.6%	686
CARPENTER	612,842	\$ 25,282,332	8.7%	9.2%	295
TUNNEL WORKER (LABORER)	595,477	\$ 25,164,385	8.4%	9.2%	286
PLUMBER	407,552	\$ 18,984,007	5.8%	6.9%	196
ELECTRICIAN	388,691	\$ 20,294,659	5.5%	7.4%	187
IRON WORKER	233,279	\$ 7,848,073	3.3%	2.9%	112
<b>Top 7 Sub-Total</b>	<b>5,971,567</b>	<b>\$ 223,323,529</b>	<b>84.8%</b>	<b>81.3%</b>	<b>2,871</b>
PILE DRIVER (CARPENTER)	156,980	\$ 8,421,014	2.2%	3.1%	75
PAINTER	156,980	\$ 8,421,014	2.2%	3.1%	75
BOILERMAKER-BLACKSMITH	115,489	\$ 5,944,635	1.6%	2.2%	56
CEMENT MASON	109,650	\$ 3,793,427	1.5%	1.4%	53
BUILDING/CONSTRUCTION INSPECTOR	48,065	\$ 1,938,230	0.7%	0.7%	23
ROOFER	43,797	\$ 1,497,720	0.6%	0.5%	21
FIELD SURVEYOR	19,311	\$ 783,200	0.3%	0.3%	9
SHEET METAL WORKER	13,529	\$ 637,419	0.2%	0.2%	7
DRYWALL INSTALLER/LATHER (CARPEN	10,014	\$ 420,827	0.1%	0.2%	5
BRICKLAYER, BLOCKLAYER	8,473	\$ 322,453	0.1%	0.1%	4
ELECTRICAL UTILITY LINEMAN	6,659	\$ 407,153	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 IMPROVEMEN	696	\$ 22,438	0.0%	0.0%	0
ASBESTOS WORKER, HEAT AND FROST	507	\$ 28,166	0.0%	0.0%	0
TILE SETTER	277	\$ 5,836	0.0%	0.0%	0
CARPET, LINOLEUM, SOFT FLOOR LAYER	302	\$ 13,681	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
<b>Remaining Apprenticeable Sub-Total</b>	<b>699,732</b>	<b>\$ 33,007,684</b>	<b>9.9%</b>	<b>12.0%</b>	<b>336</b>
<b>Total Non-Apprenticeable</b>	<b>428,446</b>	<b>\$ 21,535,846</b>	<b>6.1%</b>	<b>8.0%</b>	<b>206</b>
<b>Total WSIP - Covered by PLA</b>	<b>7,079,380</b>	<b>\$ 274,595,336</b>	<b>100%</b>	<b>100%</b>	<b>3,404</b>

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This chart summarizes WSIP PLA– covered craft employment for trades with the largest number of craft hours as of June 30, 2015. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 70.2% of craft hours worked on PLA-Covered Projects.



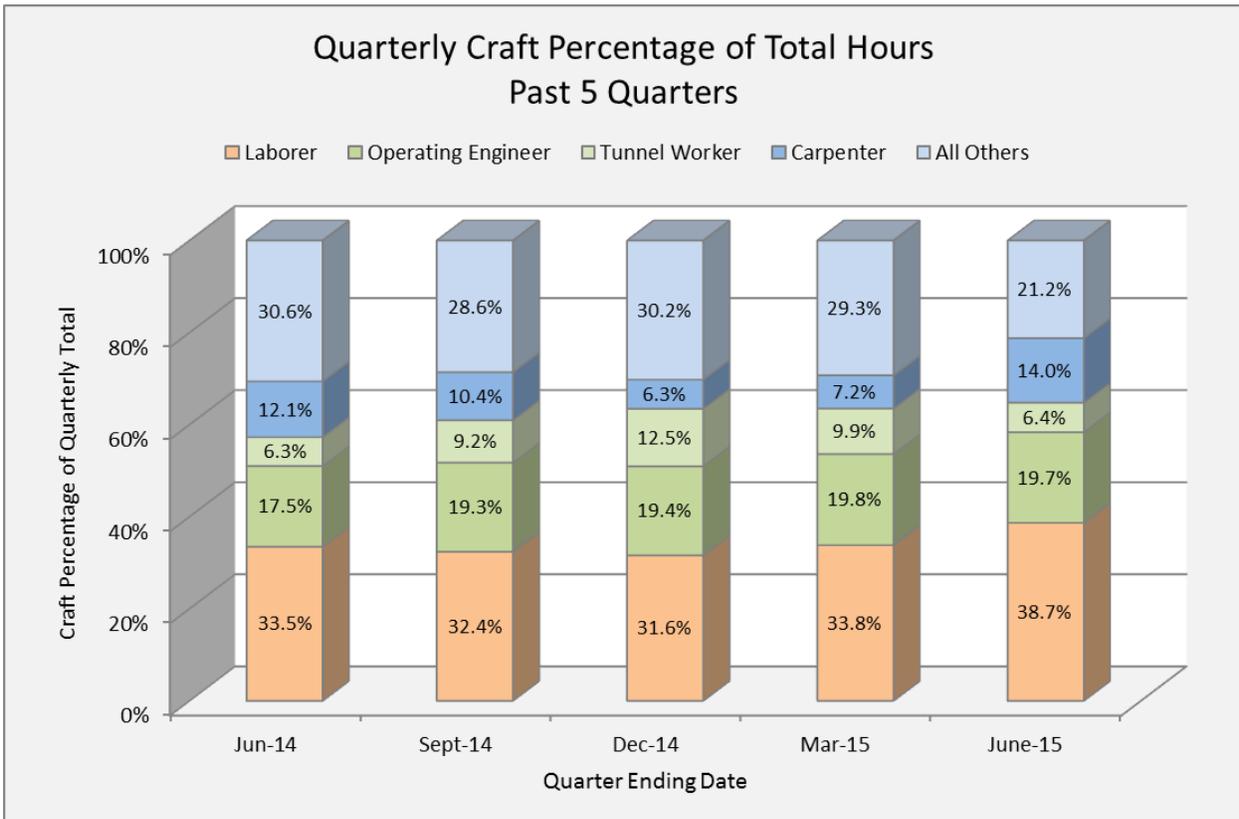
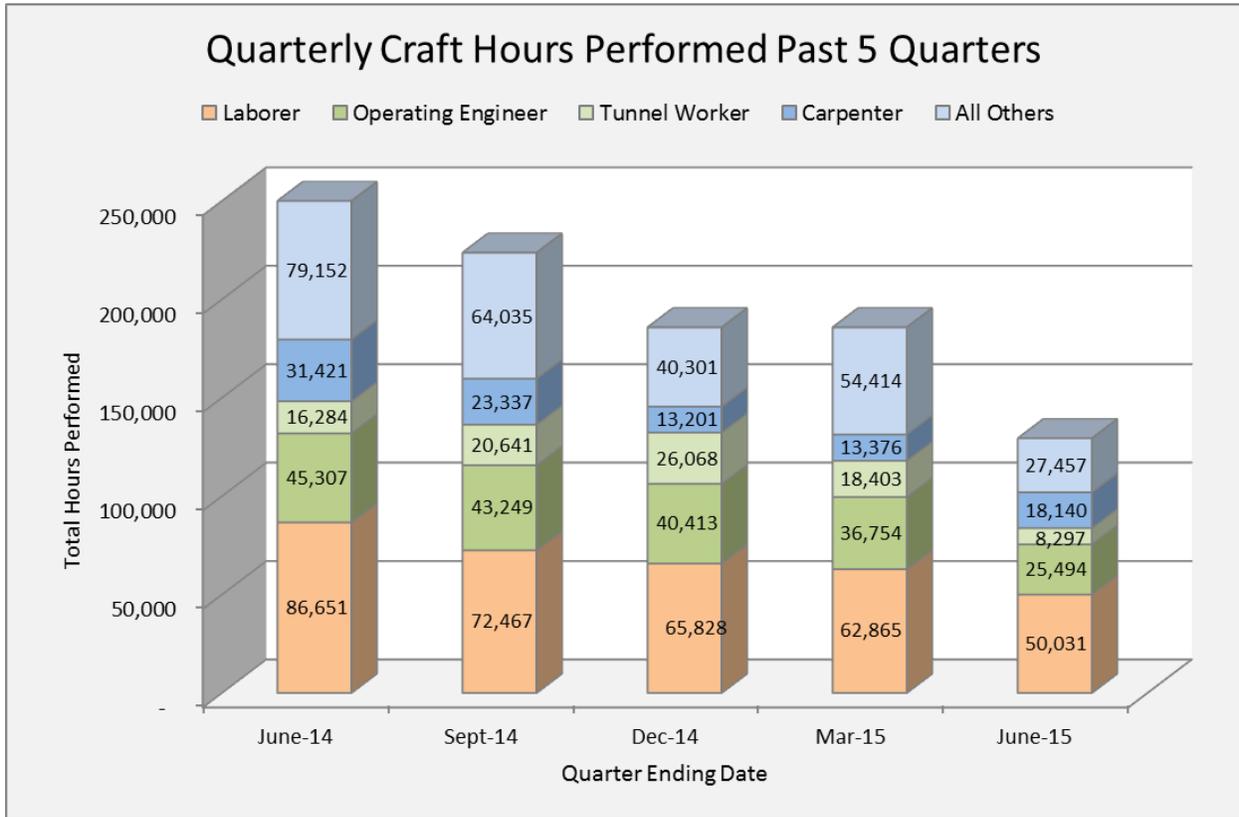
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The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and the most recent reporting period.

Craft	Total Cumulative Hours	Total Cumulative Wages	Quarter Ending 6/30/2015 Hours	Quarter Ending 6/30/2015 Wages
LABORER	2,307,327	\$ 69,260,749	50,031	\$ 1,499,689
OPERATING ENGINEER (HEAVY AND HIGHWAY)	907,342	\$ 37,143,187	13,144	\$ 564,385
OPERATING ENGINEER	466,999	\$ 17,181,655	11,751	\$ 460,973
PILE DRIVER (OPERATING ENGINEER - HEAVY A	49,423	\$ 2,066,961	599	\$ 27,901
OPERATING ENGINEER (SPECIAL SINGLE AND S	2,637	\$ 97,521	-	\$ -
<b>OPERATING ENGINEERS (COMBINED)</b>	<b>519,058</b>	<b>\$ 19,346,137</b>	<b>25,494</b>	<b>\$ 1,053,259</b>
CARPENTER AND RELATED TRADES	612,842	\$ 2,066,961	18,140	\$ 772,674
TUNNEL WORKER (LABORER)	595,477	\$ 97,521	8,297	\$ 351,484
ELECTRICIAN	388,691	\$ 19,346,137	4,888	\$ 304,257
PLUMBER	407,552	\$ 18,984,007	3,144	\$ 136,270
PILE DRIVER (CARPENTER)	156,980	\$ 8,421,014	639	\$ 30,522
IRON WORKER	233,199	\$ 7,845,301	5,919	\$ 197,510
BOILERMAKER-BLACKSMITH	115,489	\$ 5,944,635	985	\$ 82,991
PAINTER	136,620	\$ 5,144,970	996	\$ 37,374
CEMENT MASON	109,650	\$ 3,793,427	2,745	\$ 90,179
BUILDING/CONSTRUCTION INSPECTOR	48,065	\$ 1,938,230	2,565	\$ 100,268
ROOFER	43,797	\$ 1,497,720	216	\$ 7,471
FIELD SURVEYOR	19,311	\$ 783,200	134	\$ 4,753
SHEET METAL WORKER	13,529	\$ 637,419	78	\$ 4,382
DRYWALL INSTALLER/LATHER (CARPENTER)	10,014	\$ 420,827	-	\$ -
ELECTRICAL UTILITY LINEMAN	6,659	\$ 407,153	210	\$ 14,762
BRICKLAYER, BLOCKLAYER	8,473	\$ 322,453	8	\$ 287
GLAZIER	4,089	\$ 177,629	105	\$ 4,616
PLASTERER	2,526	\$ 83,181	-	\$ -
ASBESTOS WORKER, HEAT AND FROST INSULAT	507	\$ 28,166	-	\$ -
BRICK TENDER	773	\$ 26,072	-	\$ -
PLASTER TENDER	725	\$ 23,623	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAINT	696	\$ 22,438	-	\$ -
METAL ROOFING SYSTEMS INSTALLER	201	\$ 16,061	-	\$ -
CARPET, LINOLEUM, SOFT FLOOR LAYER	302	\$ 13,681	-	\$ -
TILE SETTER	351	\$ 12,929	-	\$ -
SHEET METAL WORKER (HVAC)	172	\$ 8,402	78	\$ 4,382
TERRAZZO WORKER	199	\$ 8,163	-	\$ -
TILE FINISHER	277	\$ 5,836	-	\$ -
MARBLE FINISHER	40	\$ 1,342	-	\$ -
TERRAZZO FINISHER	4	\$ 160	-	\$ -
<b>Total Apprenticeable</b>	<b>4,343,606</b>	<b>\$ 183,798,740</b>	<b>74,558</b>	<b>\$ 3,193,057</b>
<b>Non-Apprenticeable</b>				
DRIVER (ON/OFF-HAULING TO/FROM CONSTRU	93,680	\$ 6,860,466	668	\$ 58,636
TEAMSTER	113,427	\$ 5,139,190	1,915	\$ 68,858
OPERATING ENGINEER (HEAVY AND HIGHWAY)	92,852	\$ 4,299,202	1,256	\$ 63,376
TUNNEL/UNDERGROUND (OPERATING ENGINE	92,150	\$ 4,130,609	632	\$ 28,617
WATER WELL DRILLER	12,317	\$ 454,543	-	\$ -
ASBESTOS REMOVAL WORKER (LABORER)	17,057	\$ 431,301	-	\$ -
TELECOMMUNICATIONS TECHNICIAN	1,160	\$ 37,245	-	\$ -
TREE TRIMMER (HIGH VOLTAGE LINE CLEARAN	1,422	\$ 36,006	-	\$ -
DREDGER OPERATING ENGINEER	831	\$ 33,307	-	\$ -
TRAFFIC CONTROL/LANE CLOSURE (LABORER)	885	\$ 31,784	23	\$ 781
LANDSCAPE MAINTENANCE LABORER	1,131	\$ 27,256	336	\$ 6,579
OPERATING ENGINEER (BUILDING CONSTRUCT	635	\$ 24,481	-	\$ -
STEEL ERECTOR AND FABRICATOR (OPERATING	282	\$ 12,787	-	\$ -
PARKING AND HIGHWAY IMPROVEMENT PAINT	257	\$ 8,290	-	\$ -
SLURRY SEAL WORKER	271	\$ 6,316	-	\$ -
IRONWORKER (DB)	80	\$ 2,772	-	\$ -
TEAMSTER (SPECIAL SINGLE SHIFT RATE)	11	\$ 291	-	\$ -
<b>Total Non-Apprenticeable</b>	<b>428,446</b>	<b>\$ 21,535,846</b>	<b>4,829</b>	<b>\$ 226,847</b>
<b>Total Apprenticeable</b>	<b>4,343,606</b>	<b>\$ 183,798,740</b>	<b>74,558</b>	<b>\$ 3,193,057</b>
<b>Total WSIP</b>	<b>7,079,380</b>	<b>\$ 274,595,336</b>	<b>129,418</b>	<b>\$ 4,919,593</b>

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

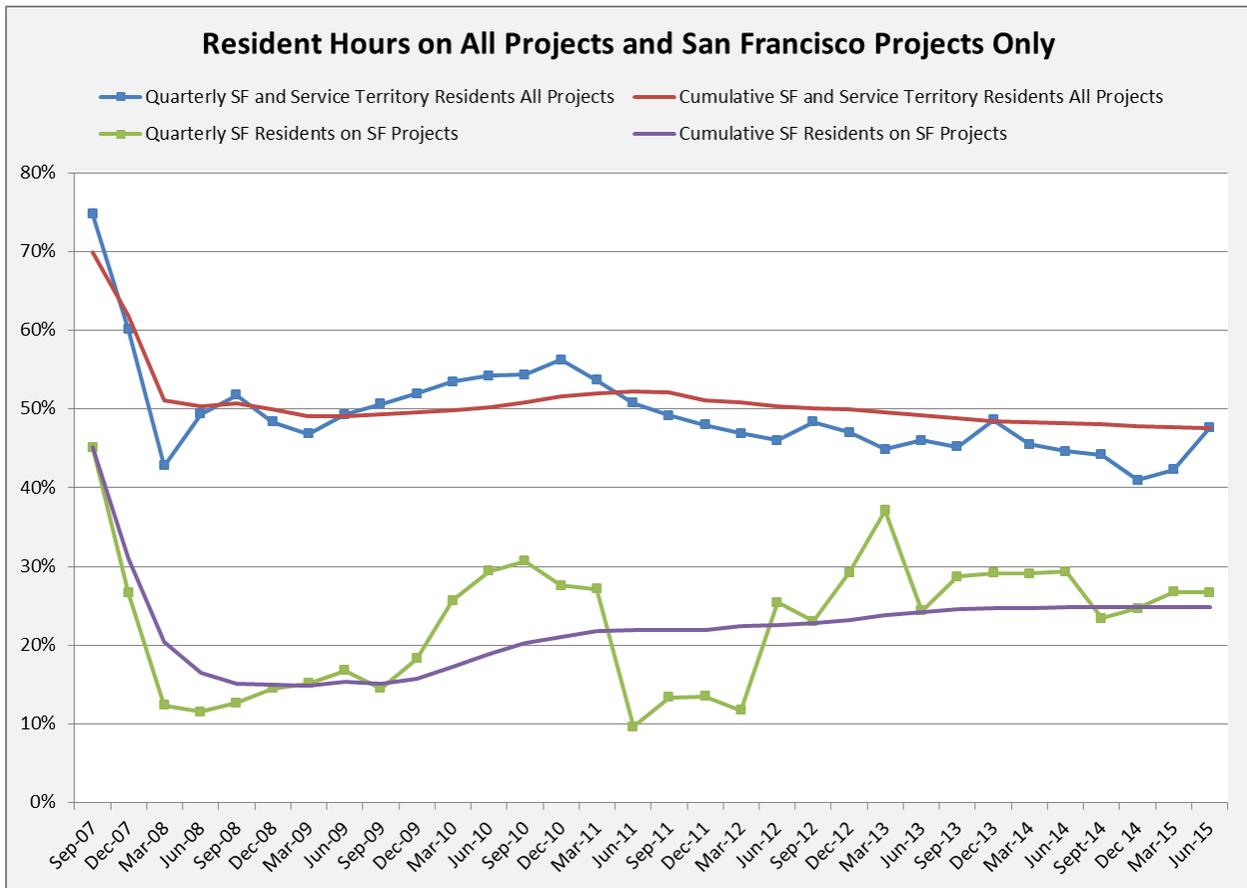


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**Worker Residence on the WSIP PLA**

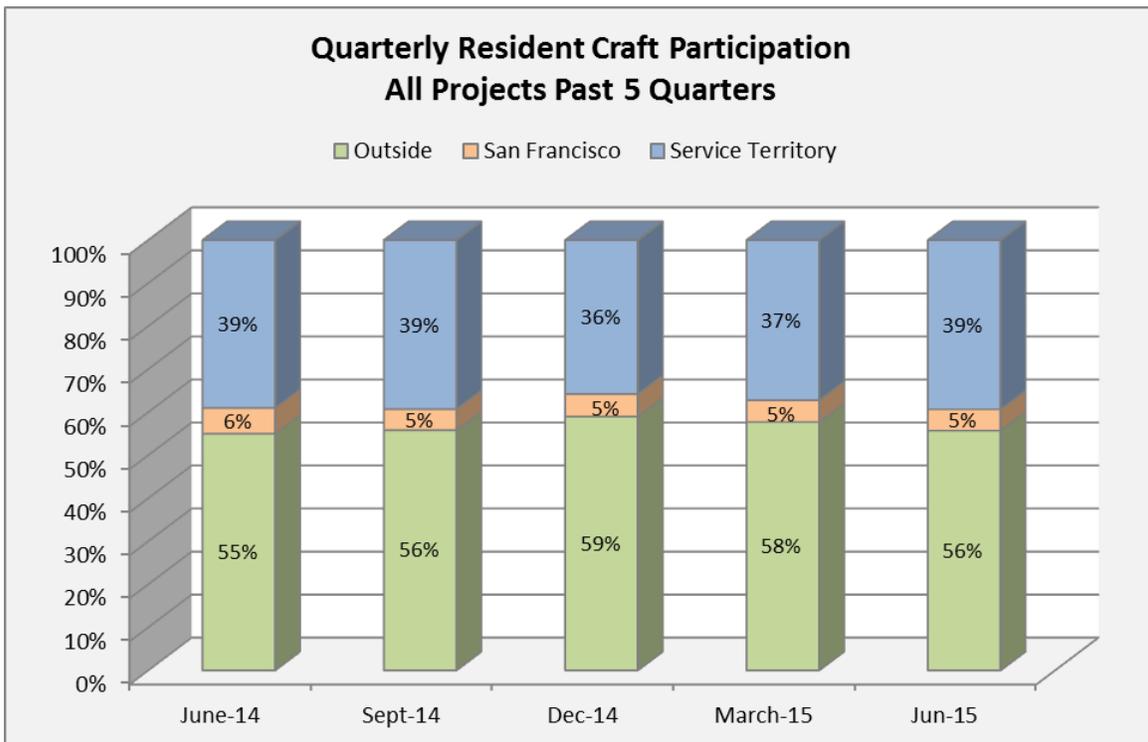
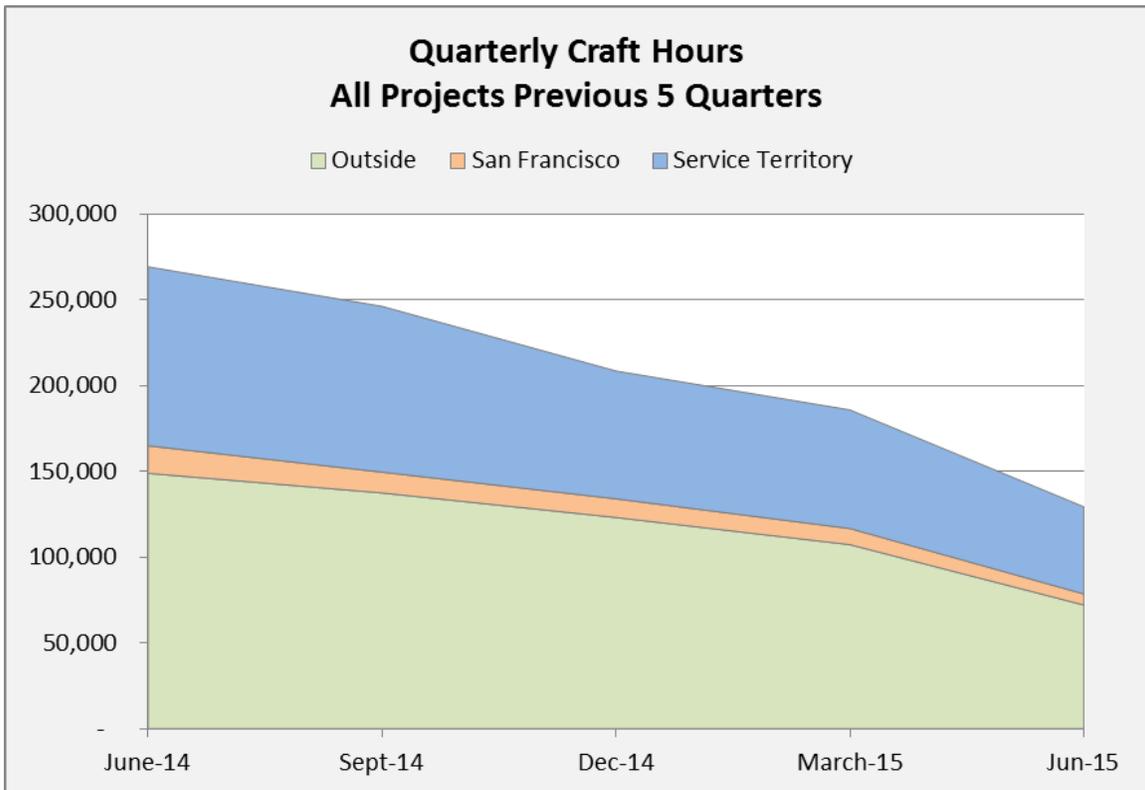
The Regional Service Territory covering seven counties is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

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



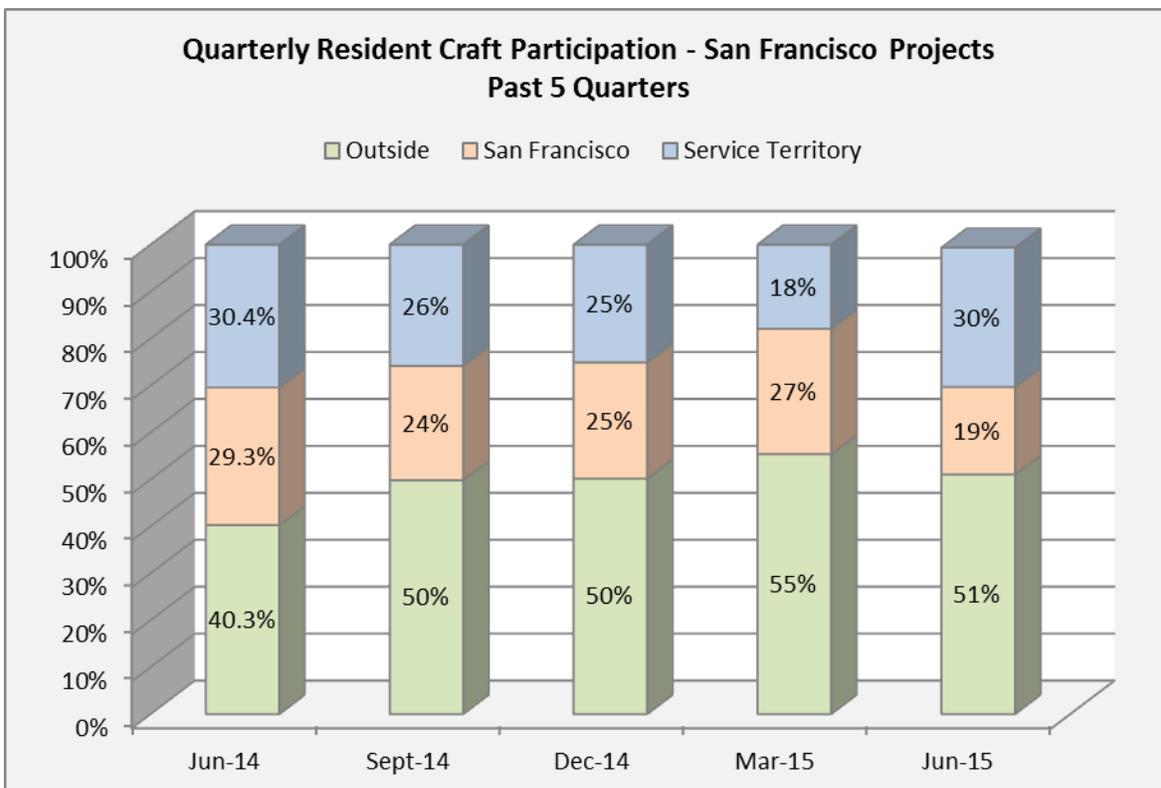
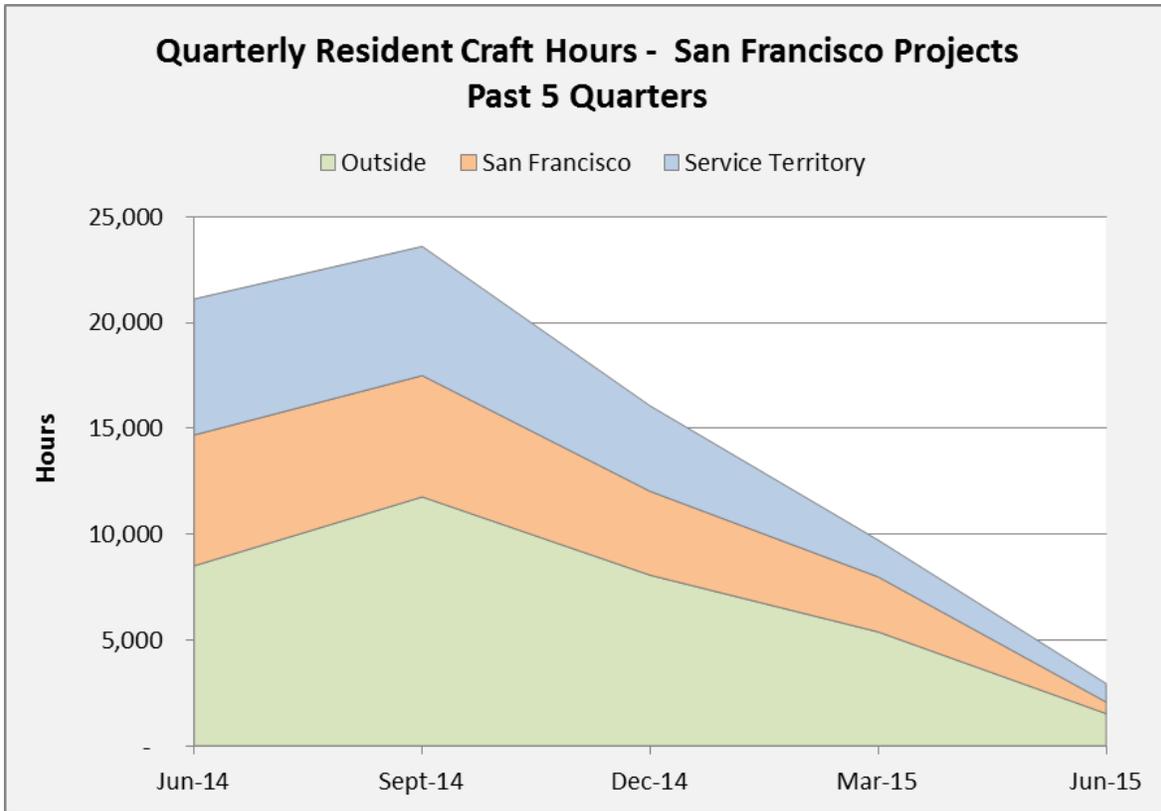
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**Residence on ALL WSIP PLA Projects** - Charted are the 50 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



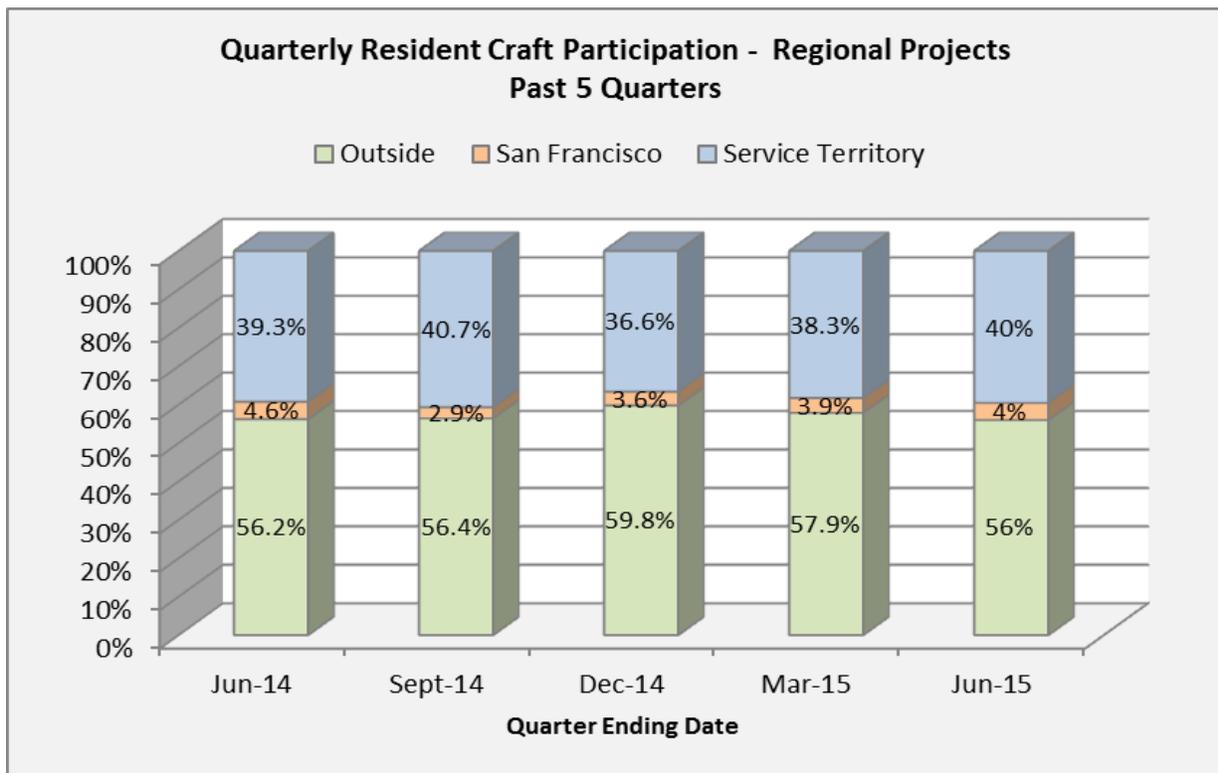
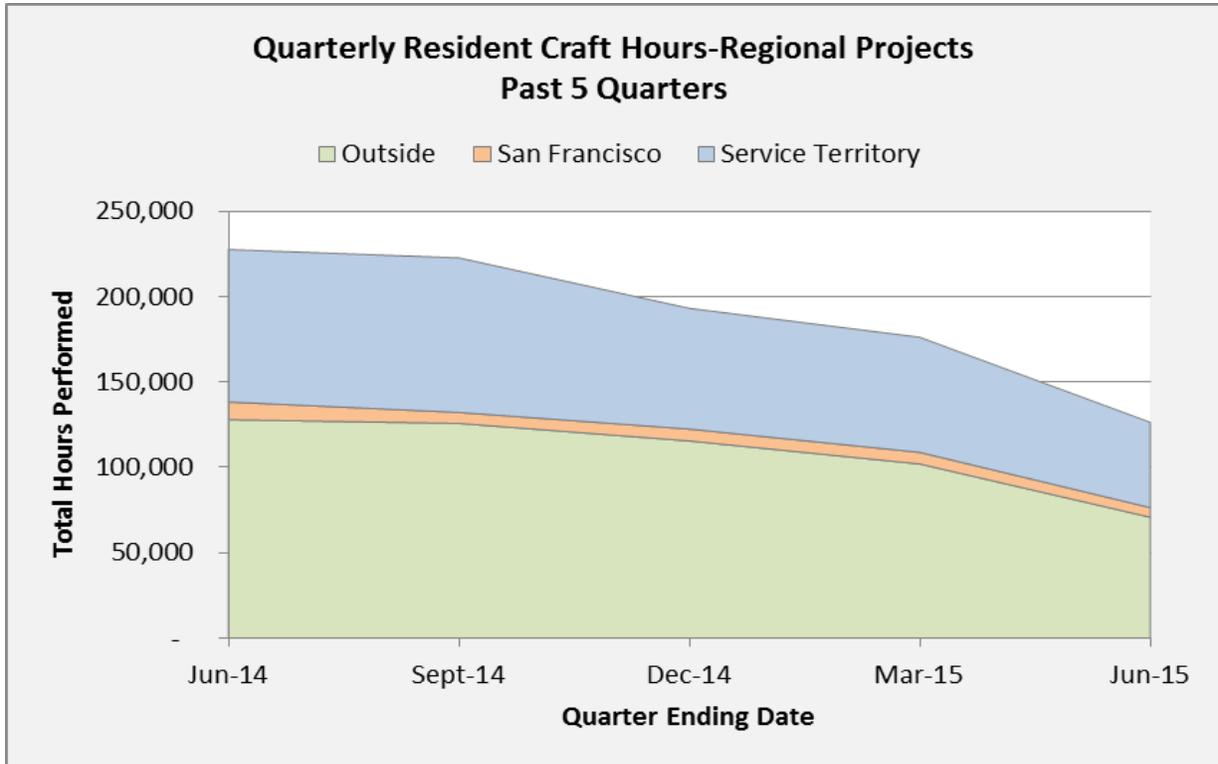
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**Residence on San Francisco located WSIP PLA Projects**-Charted are the 13 projects covered by the WSIP PLA located within San Francisco only.



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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

<b>WSIP-PLA Employment by Top 20 Counties of Residence</b>					
Inception Through June 30, 2015					
County	Total Craft Hours	Wages	% Craft Hours	Worker Count	FTE
Alameda	1,218,292	\$ 44,716,618	17%	3,410	586
Contra Costa	951,671	\$ 36,391,432	13%	2,506	458
San Mateo	712,984	\$ 28,053,980	10%	1,475	343
San Joaquin	654,304	\$ 24,028,333	9%	1,441	315
San Francisco	502,500	\$ 18,615,638	7%	1,321	242
Santa Clara	405,685	\$ 16,493,774	6%	1,539	195
Solano	347,052	\$ 13,654,649	5%	993	167
Sacramento	302,482	\$ 11,622,779	4%	644	145
Stanislaus	302,414	\$ 10,800,307	4%	660	145
Butte	192,237	\$ 7,546,878	3%	136	92
Sonoma	149,420	\$ 5,943,394	2%	391	72
Calaveras	87,436	\$ 3,809,182	1%	97	42
Tuolumne	85,111	\$ 3,230,146	1%	94	41
Placer	66,220	\$ 2,609,209	1%	139	32
Los Angeles	65,227	\$ 2,776,792	1%	148	31
Yolo	64,516	\$ 2,481,014	1%	118	31
Clark	61,664	\$ 2,734,646	1%	65	30
El Dorado	59,443	\$ 2,342,040	1%	122	29
Shasta	55,025	\$ 2,351,892	1%	54	26
Napa	54,257	\$ 2,385,323	1%	102	26
<b>Top 20 Counties by Hours</b>	<b>6,337,942</b>	<b>\$ 242,588,028</b>	<b>89.4%</b>	<b>15,455</b>	<b>3,047</b>
All Other Counties	741,438	\$ 32,007,308	10.6%	1,362	356
<b>WSIP-PLA Total</b>	<b>7,079,380</b>	<b>\$ 274,595,336</b>	<b>100%</b>	<b>16,817</b>	<b>3,404</b>

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**San Francisco Residents by Zip Code**

Sorted by Total Craft Hours

<b>Employment by San Francisco Zip Code</b>					
Inception Through June 30, 2015					
San Francisco County Zip Code	Total Workers				
	Total Craft Hours	Wages	% Craft Hours	Unique Worker Count	FTE
94112	87,490	\$ 3,050,724	17.4%	163	42
94124	74,073	\$ 2,781,414	14.7%	198	36
94110	73,287	\$ 2,487,045	14.6%	142	35
94116	58,339	\$ 2,818,178	11.6%	70	28
94134	40,018	\$ 1,209,229	8.0%	102	19
94122	25,956	\$ 1,154,550	5.2%	53	12
94121	24,290	\$ 961,492	4.8%	39	12
94103	21,594	\$ 656,032	4.3%	29	10
94127	18,755	\$ 672,508	3.7%	16	9
94102	8,451	\$ 377,084	1.7%	16	4
94118	8,322	\$ 407,887	1.7%	18	4
94132	8,123	\$ 322,520	1.6%	29	4
94117	7,877	\$ 195,835	1.6%	16	4
94107	7,555	\$ 282,174	1.5%	18	4
94131	7,345	\$ 278,788	1.5%	16	4
94114	4,835	\$ 187,416	1.0%	12	2
94133	4,704	\$ 168,686	0.9%	6	2
94164	3,451	\$ 98,256	0.7%	2	2
94109	3,363	\$ 98,964	0.7%	18	2
94108	3,348	\$ 71,658	0.7%	8	2
94130	3,273	\$ 69,745	0.7%	9	2
94115	1,708	\$ 50,307	0.3%	20	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%	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	0.1%	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
<b>Total</b>	<b>502,500</b>	<b>\$ 18,615,638</b>	<b>100%</b>	<b>1,028</b>	<b>242</b>
<b>WSIP-PLA Total</b>	<b>7,079,380</b>	<b>274,595,336</b>	<b>-</b>	<b>16,817</b>	<b>3,404</b>

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**Residence by Craft**

Sorted by Total Hours

Cumulative Employment of Residents By Craft Inception Through June 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 HI	907,342	17,222	353,789	536,332	1.9%	39.0%	59.1%
CARPENTER AND RELATED TRADES	612,842	73,192	254,988	284,662	11.9%	41.6%	46.5%
TUNNEL WORKER (LABORER)	595,477	11,102	239,627	344,748	1.9%	40.2%	57.9%
OPERATING ENGINEER	466,999	42,291	162,085	262,623	9.1%	34.7%	56.2%
PLUMBER	407,552	80,873	131,416	195,263	19.8%	32.3%	47.9%
ELECTRICIAN	388,691	22,236	225,071	141,384	5.7%	57.9%	36.4%
IRON WORKER	233,199	18,681	84,823	129,696	8.0%	36.4%	55.6%
PILE DRIVER (CARPENTER)	156,980	6,462	42,191	108,326	4.1%	26.9%	69.0%
PAINTER	136,620	8,737	12,981	114,903	6.4%	9.5%	84.1%
BOILERMAKER-BLACKSMITH	115,489	48	22,375	93,066	0.0%	19.4%	80.6%
CEMENT MASON	109,650	5,596	47,139	56,915	5.1%	43.0%	51.9%
PILE DRIVER (OPERATING ENGINEER - F	49,423	499	8,394	40,530	1.0%	17.0%	82.0%
BUILDING/CONSTRUCTION INSPECTOR	48,065	3,740	8,777	35,548	7.8%	18.3%	74.0%
ROOFER	43,797	2,417	23,351	18,029	5.5%	53.3%	41.2%
FIELD SURVEYOR	19,311	1,334	3,727	14,251	6.9%	19.3%	73.8%
SHEET METAL WORKER	13,529	415	8,657	4,457	3.1%	64.0%	33.0%
DRYWALL INSTALLER/LATHER (CARPEN	10,014	1,155	2,115	6,745	11.5%	21.1%	67.4%
BRICKLAYER, BLOCKLAYER	8,473	82	4,321	4,071	1.0%	51.0%	48.0%
ELECTRICAL UTILITY LINEMAN	6,659	-	211	6,448	0.0%	3.2%	96.8%
GLAZIER	4,089	958	1,248	1,884	23.4%	30.5%	46.1%
OPERATING ENGINEER (SPECIAL SINGL	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 IMPROVEMEN	696	-	370	326	0.0%	53.2%	46.8%
ASBESTOS WORKER, HEAT AND FROST	507	-	197	310	0.0%	38.9%	61.1%
TILE SETTER	351	-	344	7	0.0%	98.0%	2.0%
CARPET, LINOLEUM, SOFT FLOOR LAYE	302	6	57	239	2.0%	18.9%	79.1%
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%
<b>Apprenticeable</b>	<b>4,343,606</b>	<b>299,102</b>	<b>1,640,925</b>	<b>2,403,579</b>	<b>6.9%</b>	<b>37.8%</b>	<b>55.3%</b>
LABORER	2,307,327	172,596	1,004,057	1,130,674	7.5%	43.5%	49.0%
<b>Non-Apprenticeable</b>							
ASBESTOS REMOVAL WORKER (LABOR	113,427	9,387	61,152	42,888	8.3%	53.9%	37.8%
DREDGER OPERATING ENGINEER	93,680	15,931	62,164	15,586	17.0%	66.4%	16.6%
DRIVER (ON/OFF-HAULING TO/FROM C	92,852	-	38,498	54,354	0.0%	41.5%	58.5%
IRONWORKER (DB)	79,005	70	44,357	34,578	0.1%	56.1%	43.8%
LANDSCAPE MAINTENANCE LABORER	17,057	887	2,256	13,914	5.2%	13.2%	81.6%
OPERATING ENGINEER (BUILDING CON	13,146	-	3,850	9,296	0.0%	29.3%	70.7%
OPERATING ENGINEER (HEAVY AND HI	12,317	-	7,533	4,784	0.0%	61.2%	38.8%
PARKING AND HIGHWAY IMPROVEMEN	1,422	32	1,191	199	2.3%	83.8%	14.0%
SLURRY SEAL WORKER	1,160	-	1,088	72	0.0%	93.8%	6.2%
STEEL ERECTOR AND FABRICATOR (OP	1,131	16	614	501	1.4%	54.3%	44.3%
TEAMSTER	885	-	684	201	0.0%	77.3%	22.7%
TEAMSTER (SPECIAL SINGLE SHIFT RAT	831	-	-	831	0.0%	0.0%	100.0%
TELECOMMUNICATIONS TECHNICIAN	635	133	229	273	20.9%	36.1%	43.0%
TRAFFIC CONTROL/LANE CLOSURE (LA	282	-	282	-	0.0%	100.0%	0.0%
TREE TRIMMER (HIGH VOLTAGE LINE C	271	-	138	133	0.0%	50.9%	49.1%
TUNNEL/UNDERGROUND (OPERATING	257	-	163	94	0.0%	63.4%	36.7%
TUNNEL/UNDERGROUND (OPERATING	80	-	-	80	0.0%	0.0%	100.0%
WATER WELL DRILLER	11	-	-	11	0.0%	0.0%	100.0%
<b>Total Non-Apprenticeable</b>	<b>428,446</b>	<b>26,456</b>	<b>224,198</b>	<b>177,793</b>	<b>6.2%</b>	<b>52.3%</b>	<b>41.5%</b>
<b>Total WSIP PLA</b>	<b>7,079,380</b>	<b>498,155</b>	<b>2,869,180</b>	<b>3,712,046</b>	<b>7%</b>	<b>40.5%</b>	<b>52.5%</b>

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**Residence by Project**

Sorted by Total Hours

Employment Summary - Cumulative Employment of Residents by Project							
Craft Employment Summary through June 30, 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	1,000,804	62,968	366,953	570,883	6.3%	36.7%	57%
WD-2581 - New Irvington Tunnel	695,701	3,184	286,685	405,833	0.5%	41.2%	58.3%
WD-2551 Calaveras Dam Replacement	680,655	3,372	217,529	459,753	0.5%	32.0%	67.5%
WD-2531 - Bay Division Pipelines Relia	572,959	18,402	328,182	226,376	3.2%	57.3%	39.5%
WD-2601 - Crystal Springs / San Andrea	486,522	25,259	191,402	269,861	5.2%	39.3%	55.5%
WD-2582 - Sunol Valley Water Treatme	462,409	11,320	193,094	257,996	2.4%	41.8%	55.8%
WD-2542 - Bay Division Pipeline No. 5	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	208,220	14,155	83,024	111,042	6.8%	39.9%	53.3%
WD-2539 - University Mound Reservoir	187,025	50,004	44,746	92,276	26.7%	23.9%	49.3%
WD-2627R Sutro Reservoir Rehabilitati	154,357	49,225	39,318	65,814	31.9%	25.5%	42.6%
HH-935C - San Joaquin Pipeline System	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-2552 - Alameda Siphon No. 4 Proje	129,478	1,450	57,583	70,445	1.1%	44.5%	54.4%
WD-2555 - Crystal Springs Pipeline No.	127,743	34,923	35,352	57,468	27.3%	27.7%	45.0%
WD-2629 Seismic Upgrade of Bay Divis	125,065	567	49,905	74,594	0.5%	39.9%	59.6%
WD-2498 - New Crystal Springs Bypass	117,809	6,825	61,030	49,955	5.8%	51.8%	42.4%
WD-2652 Bioregional Habitat Restorati	102,740	1,839	39,802	61,099	1.8%	38.7%	59.5%
WD-2548 - Lake Merced Pump Station	101,056	23,185	27,208	50,663	22.9%	26.9%	50.1%
HH-935B - San Joaquin Pipeline System	100,478	426	42,710	57,342	0.4%	42.5%	57.1%
WD-2591 - Lower Crystal Springs Dam	98,686	5,022	57,610	36,055	5.1%	58.4%	36.5%
HH-935A - San Joaquin Pipeline System	84,472	158	45,733	38,581	0.2%	54.1%	45.7%
WD-2513 - San Andreas Pipeline No.3 I	82,356	6,294	26,717	49,345	7.6%	32.4%	59.9%
WD-2575 San Antonio Backup Pipeline	74,907	9,077	31,559	34,271	12.1%	42.1%	45.8%
WD-2504 - Stanford Heights Reservoir	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-2543 - North University Mound Sys	53,226	10,235	18,174	24,818	19.2%	34.1%	46.6%
WD-2573 - Pulgas Balancing Reservoir	50,372	5,166	24,782	20,425	10.3%	49.2%	40.5%
WD-2727 Peninsula Pipeline Seismic U	49,068	10,360	15,730	22,978	21.1%	32.1%	46.8%
WD-2568 - BDPL Nos. 3&4 Crossover F	47,910	4,908	14,647	28,355	10.2%	30.6%	59.2%
WD-2641R Habitat Reserve Program, H	43,086	7,126	11,119	24,841	16.5%	25.8%	57.7%
WD-2564 - Harry Tracy Water Treatme	43,047	7,220	12,709	23,118	16.8%	29.5%	53.7%
WD-2469 - Forest Knolls Pump Station	26,552	3,844	8,139	14,569	14.5%	30.7%	54.9%
WD-2666 Bioregional Habitat Restorati	23,402	46	7,022	16,334	0.2%	30.0%	69.8%
WD-2623 - Harding Park Recycled Wat	22,726	4,530	13,463	4,734	19.9%	59.2%	20.8%
WD-2529 - Noe Valley Transmission M	22,511	3,918	7,931	10,662	17.4%	35.2%	47.4%
WD-2665 Bay Division Pipeline Reliabil	21,967	341	6,958	14,668	1.6%	31.7%	66.8%
WD-2651R Peninsula 2011 Watershed	21,429	557	10,473	10,399	2.6%	48.9%	48.5%
WD-2556 - Baden and San Pedro Valve	19,937	4,570	10,632	4,735	22.9%	53.3%	23.8%
WD-2622 San Francisco Groundwater S	17,758	4,336	2,503	10,919	24.4%	14.1%	61.5%
WD-2566 - San Antonio Pump Station U	14,916	101	11,984	2,831	0.7%	80.3%	19.0%
HH-914R - Roselle Crossover Improvem	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, Va	11,261	136	6,592	4,534	1.2%	58.5%	40.3%
WD-2640 Bioregional Habitat Restorati	10,581	1,235	4,182	5,164	11.7%	39.5%	48.8%
WD-2600 Regional Groundwater Stora	6,088	-	296	5,792	-	4.9%	95.1%
WD-2668 Regional Groundwater Stora	3,659	700	648	2,312	19.1%	17.7%	63.2%
WD-2589 - Supervisory Control and Dat	1,498	113	242	1,144	7.6%	16.1%	76.3%
WD-2621R San Francisco Groundwater	1,341	243	298	800	18.1%	22.2%	59.7%
WD-2707 As-Needed Integration Servic	-	-	-	-	-	-	-
<b>Total WSIP PLA</b>	<b>7,079,379.69</b>	<b>498,155</b>	<b>2,869,180</b>	<b>3,712,046</b>	<b>7%</b>	<b>40.5%</b>	<b>52.5%</b>

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**Apprentice Utilization**

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

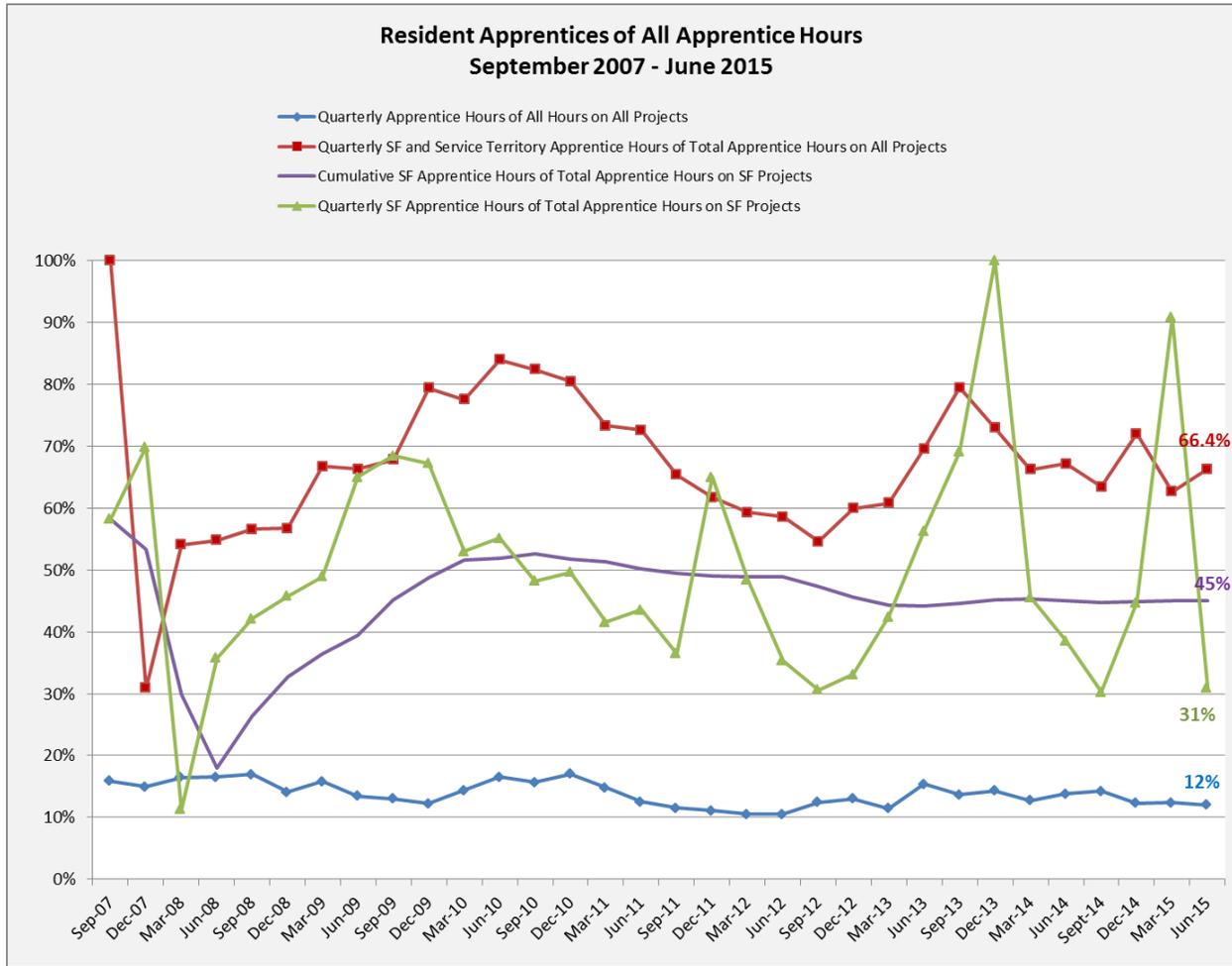
Through the end of the current quarter, 13% of craft hours in apprenticeable trades have been worked by apprentices. 18% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Service Territory, or 71% combined.

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)	907,342	20,655	3,912	11,451	5,293	2.3%	-	1%	18.9%	55.4%	25.6%
A - CARPENTER AND RELATED TRADES	612,842	95,341	26,183	44,042	25,116	15.6%	4%	4%	27.5%	46.2%	26.3%
A - TUNNEL WORKER (LABORER)	595,477	-	-	-	-	-	-	-	-	-	-
A - OPERATING ENGINEER	466,999	150,157	24,436	57,531	68,191	32.2%	5%	15%	16.3%	38.3%	45.4%
A - PLUMBER	407,552	113,550	32,748	55,864	24,937	27.9%	8%	6%	28.8%	49.2%	22.0%
A - ELECTRICIAN	388,691	72,077	7,565	49,267	15,245	18.5%	2%	4%	10.5%	68.4%	21.2%
A - IRON WORKER	233,199	51,501	11,967	21,265	18,269	22.1%	5%	8%	23.2%	41.3%	35.5%
A - PILE DRIVER (CARPENTER)	156,980	11,937	4,387	3,464	4,086	7.6%	3%	3%	36.8%	29.0%	34.2%
A - PAINTER	136,620	22,976	1,809	3,405	17,762	16.8%	1%	13%	7.9%	14.8%	77.3%
A - BOILERMAKER-BLACKSMITH	115,489	2,354	40	1,238	1,076	2.0%	-	1%	1.7%	52.6%	45.7%
A - CEMENT MASON	109,650	4,903	3,608	144	1,152	4.5%	3%	1%	73.6%	2.9%	23.5%
A - PILE DRIVER (OPERATING ENGINEER)	49,423	30	-	-	30	0.1%	-	-	-	-	100.0%
A - BUILDING/CONSTRUCTION INSULATION	48,065	1,022	5	755	261.5	2.1%	-	2%	0.5%	73.9%	25.6%
A - ROOFER	43,797	10,342	1,121	4,814	4,408	23.6%	3%	10%	10.8%	46.5%	42.6%
A - FIELD SURVEYOR	19,311	331	-	66	264.5	1.7%	-	1%	-	20.0%	80.0%
A - SHEET METAL WORKER	13,529	1,570	16	919	635	11.6%	-	5%	1.0%	58.5%	40.5%
A - DRYWALL INSTALLER/LATHER	10,014	281	60	155	66	-	1%	1%	21.4%	55.2%	23.5%
A - BRICKLAYER, BLOCKLAYER	8,473	2,655	82	573	2,000	31.3%	1%	7%	3.1%	21.6%	75.3%
A - ELECTRICAL UTILITY LINEMAN	6,659	79	-	79	-	-	-	-	-	100%	-
A - GLAZIER	4,089	504	342	20	142	-	8%	3%	67.9%	4.0%	28.2%
A - OPERATING ENGINEER (SPECIALIZED)	2,637	1,162	-	1,047	115	44.1%	-	4%	-	90.1%	9.9%
A - PLASTERER	2,526	347	136	-	211	13.7%	5%	8%	39.2%	-	60.8%
A - BRICK TENDER	773	24	24	-	-	3.1%	3%	-	100%	-	-
A - PLASTER TENDER	725	-	-	-	-	-	-	-	-	-	-
A - PARKING AND HIGHWAY IMPROVEMENT	696	-	-	-	-	-	-	-	-	-	-
A - ASBESTOS WORKER, HEAT AND COLD INSULATION	507	-	-	-	-	-	-	-	-	-	-
A - TILE SETTER	351	20	-	20	-	5.7%	-	-	-	100%	-
A - CARPET, LINOLEUM, SOFT FLOORING	302	12	-	12	-	4.0%	-	-	-	100%	-
A - TILE FINISHER	277	40	-	-	40	14.4%	-	14%	-	-	100%
A - METAL ROOFING SYSTEMS INSTALLER	201	-	-	-	-	-	-	-	-	-	-
A - TERRAZZO WORKER	199	-	-	-	-	-	-	-	-	-	-
A - SHEET METAL WORKER (HVAC)	172	8	-	8	-	4.7%	-	-	-	100%	-
A - MARBLE FINISHER	40	-	-	-	-	-	-	-	-	-	-
A - TERRAZZO FINISHER	4	-	-	-	-	-	-	-	-	-	-
<b>Sub-Total Apprenticeable</b>	<b>4,343,606</b>	<b>568,874</b>	<b>118,440</b>	<b>256,135</b>	<b>189,299</b>	<b>13%</b>	<b>3%</b>	<b>4%</b>	<b>21%</b>	<b>45%</b>	<b>33%</b>
A - LABORER	2,307,327	315,661	38,981	211,768	64,912	14%	2%	3%	12%	67%	21%
A - OPERATING ENGINEER (COMMERCIAL)	1,426,401	172,003	28,347	70,028	73,628	-	2%	5%	16%	41%	43%
<b>Total Apprenticeable</b>	<b>6,650,933</b>	<b>884,535</b>	<b>157,421</b>	<b>467,903</b>	<b>254,211</b>	<b>13%</b>	<b>2%</b>	<b>4%</b>	<b>18%</b>	<b>53%</b>	<b>29%</b>
<b>Total Non-Apprenticeable</b>	<b>428,446</b>										
<b>Total WSIP - Covered by PLA</b>	<b>7,079,380</b>										

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For the three months ending June 30, 2015, 31% of Apprentice Hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). This is a decrease of 59.9% from last quarter.



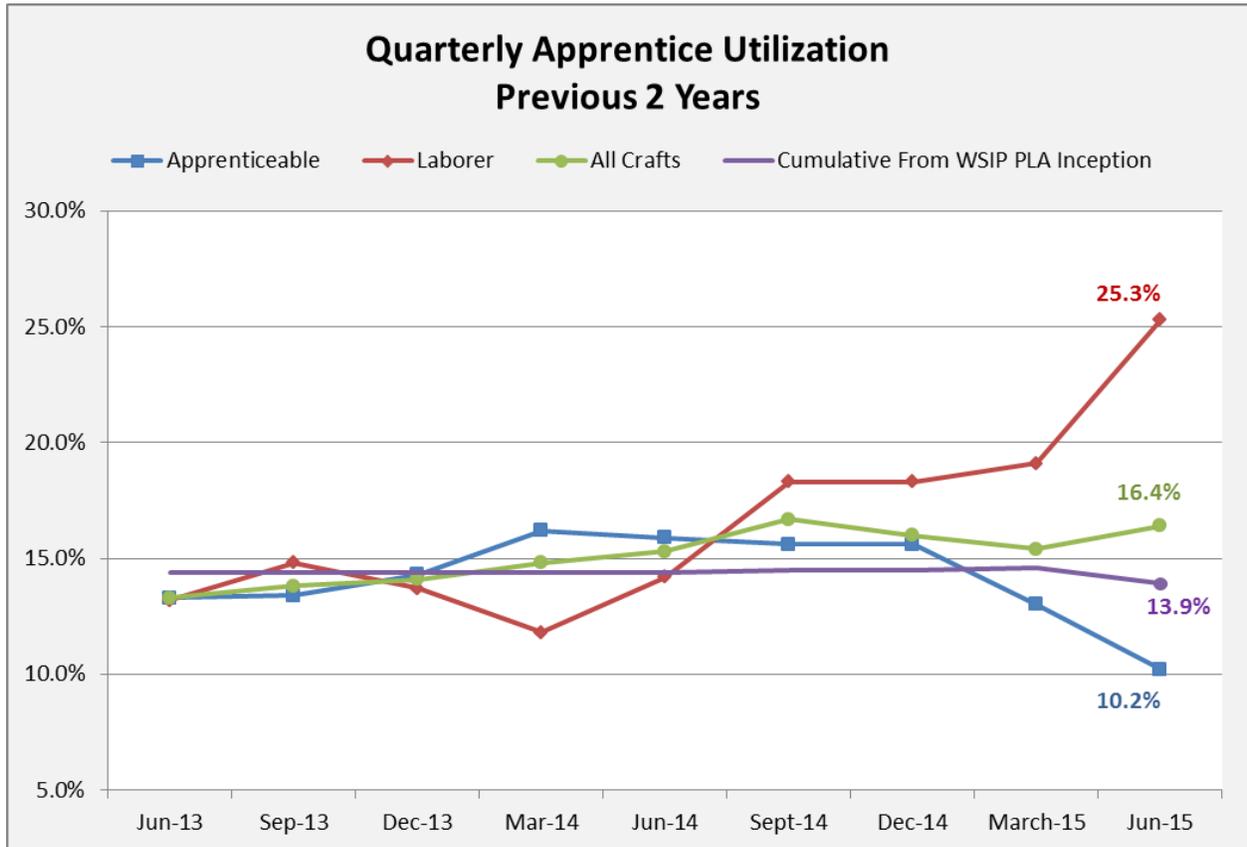
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The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.9%. This is slightly higher than the 13% mentioned in the Apprentice Utilization by Craft page because this chart 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 June 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 %
HH-953 - Tesla Portal Protection	11,512	4,377	133	7,002	11,379	487	2,768	3,255	11%	40%	36%
WD-2651R Peninsula 2011 Watershed Comple	21,429	4,777	3,239	13,414	18,191	763	2,372	3,135	16%	18%	24%
WD-2623 - Harding Park Recycled Water Proje	22,726	7,868	456	14,402	22,270	696	949	1,645	9%	7%	22%
WD-2652 Bioregional Habitat Restoration, San	102,740	19,404	2,526	80,809	100,213	1,468	17,045	18,513	8%	21%	16%
HH-935C - San Joaquin Pipeline System - East	144,007	89,193	1,840	52,974	142,167	8,862	8,401	17,263	10%	16%	16%
WD-2555 - Crystal Springs Pipeline No.2 Repla	127,743	49,079	9,727	68,938	118,016	7,559	5,394	12,953	15%	8%	16%
WD-2552 - Alameda Siphon No. 4 Project	129,478	75,394	8,009	46,075	121,469	11,675	9,053	20,728	16%	20%	16%
WD-2629 Seismic Upgrade of Bay Division Pip	125,065	69,139	1,550	54,377	123,515	8,046	11,311	19,357	12%	21%	15%
WD-2539 - University Mound Reservoir North	187,025	106,325	1,199	79,502	185,827	23,847	6,500	30,346	22%	8%	15%
WD-2548 - Lake Merced Pump Station Essent	101,056	72,288	2,264	26,504	98,792	10,678	137	10,815	15%	1%	15%
WD-2641R Habitat Reserve Program, Homest	43,086	7,322	52	35,713	43,034	1,467	7,139	8,606	20%	20%	14%
WD-2627R Sutro Reservoir Rehabilitation and	154,357	77,206	8,900	68,252	145,457	15,391	5,248	20,639	20%	8%	14%
WD-2640 Bioregional Habitat Restoration	10,581	4,487	813	5,281	9,769	701	906	1,607	16%	17%	14%
WD-2665 Bay Division Pipeline Reliability Upg	21,967	10,548	234	11,185	21,733	168	1,741	1,909	2%	16%	14%
WD-2601 - Crystal Springs / San Andreas Tran	486,522	299,384	56,783	130,355	429,738	37,493	10,835	48,328	13%	8%	13%
WD-2551 Calaveras Dam Replacement Project	680,655	405,392	20,249	255,014	660,406	41,395	46,272	87,667	10%	18%	13%
WD-2727 Peninsula Pipeline Seismic Upgrade	49,068	20,569	2,429	26,070	46,639	3,551	5,266	8,816	17%	20%	13%
WD-2666 Bioregional Habitat Restoration, She	23,402	16,618	336	6,448	23,066	228	1,615	1,843	1%	25%	12%
WD-2596 - Harry Tracy Water Treatment Plan	1,000,804	663,496	40,097	297,211	960,708	107,499	35,995	143,493	16%	12%	12%
WD-2591 - Lower Crystal Springs Dam Improv	98,686	40,896	1,323	56,467	97,363	4,833	3,853	8,685	12%	7%	11%
WD-2513 - San Andreas Pipeline No.3 Installa	82,356	28,627	10,820	42,909	71,535	3,994	5,317	9,311	14%	12%	11%
CS-936 - Advanced Meter Infrastructure	227,022	226,137		885	227,022	79,373		79,373	35%	0%	11%
WD-2556 - Baden and San Pedro Valve Lot Im	19,937	11,044	344	8,550	19,593	951	1,788	2,738	9%	21%	11%
WD-2575 San Antonio Backup Pipeline	74,907	45,579	1,151	28,177	73,756	6,467	5,965	12,432	14%	21%	10%
WD-2622 San Francisco Groundwater Supply	17,758	4,623	1,682	11,453	16,076	266	1,827	2,092	6%	16%	10%
WD-2531 - Bay Division Pipelines Reliability U	572,959	161,405	334,629	76,925	238,330	13,883	17,719	31,602	9%	23%	9%
WD-2542 - Bay Division Pipeline No. 5 - Penin	287,972	90,615	31,454	165,904	256,518	7,049	19,153	26,202	8%	12%	9%
HH-935B - San Joaquin Pipeline System - Wes	100,478	52,964	11,917	35,598	88,561	4,059	5,243	9,302	8%	15%	8%
WD-2582 - Sunol Valley Water Treatment Pla	462,409	293,845	13,013	155,551	449,396	49,266	19,350	68,616	17%	12%	8%
WD-2469 - Forest Knolls Pump Station and St	26,552	17,167	49	9,337	26,503	2,888	19	2,907	17%	0%	8%
WD-2504 - Stanford Heights Reservoir Seismi	74,299	40,451		33,849	74,299	9,134	757	9,891	23%	2%	8%
WD-2541 - Bay Division Pipeline No. 5 - East B	208,220	89,081	12,797	106,342	195,423	10,018	10,170	20,188	11%	10%	7%
WD-2668 Regional Groundwater Storage and	3,659	1,540		2,119	3,659				0%	0%	7%
WD-2581 - New Irvington Tunnel	695,701	521,217	96,801	77,683	598,900	31,166	19,443	50,608	6%	25%	7%
DB-116 - Tesla Treatment Facility	141,840	97,724	1,863	42,254	139,977	16,580	10,380	26,960	17%	25%	7%
WD-2529 - Noe Valley Transmission Main - Ph	22,511	6,021	2,067	14,423	20,444		1,133	1,133	0%	8%	6%
WD-2566 - San Antonio Pump Station Upgrad	14,916	8,241	137	6,539	14,779	859	939	1,798	10%	14%	6%
WD-2501 - Alemany Pump Station	74,094	54,304	48	19,741	74,046	7,406	223	7,629	14%	1%	6%
WD-2573 - Pulgas Balancing Reservoir Structu	50,372	35,367	310	14,695	50,061	7,152	673	7,825	20%	5%	5%
WD-2543 - North University Mound System U	53,226	14,375	7,051	31,800	46,175	743	2,255	2,998	5%	7%	5%
WD-2600 Regional Groundwater Storage and	6,088		4,027	2,061	2,061		296	296	-	14%	5%
HH-935A - San Joaquin Pipeline System - Cros	84,472	53,738	839	29,895	83,633	5,351	3,652	9,003	10%	12%	5%
WD-2568 - BDPL Nos. 3&4 Crossover Facilities	47,910	31,539	2,093	14,278	45,817	3,818	720	4,538	12%	5%	5%
WD-2564 - Harry Tracy Water Treatment Plan	43,047	22,610	80	20,358	42,967	2,089		2,089	9%	-	4%
HH-914R - Roselle Crossover Improvements	12,859	7,968	163	4,729	12,697	1,384	559	1,943	17%	12%	2%
WD-2498 - New Crystal Springs Bypass (Polhe	117,809	51,330	54,937	11,543	62,872	12,356	5,252	17,607	24%	46%	1%
WD-2511 - Standby Power Facilities, Various	11,261	9,032	-	2,230	11,261	626	-	626	7%	-	-
WD-2589 - Supervisory Control and Data Acq	1,498	728	-	771	1,498	115	-	115	16%	-	-
WD-2621R San Francisco Groundwater Supply	1,341	685	-	656	1,341	81	35	116	12%	5%	-
WD-2707 As-Needed Integration Services (Ler	-	-	-	-	-	-	-	-	-	-	-
<b>WSIP - Covered by PLA</b>	<b>7,079,380</b>	<b>4,021,711</b>	<b>750,426</b>	<b>2,307,243</b>	<b>7,079,380</b>	<b>563,874</b>	<b>315,661</b>	<b>879,535</b>	<b>14.0%</b>	<b>13.7%</b>	<b>13.9%</b>

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The following chart indicates Quarterly Apprentice Utilization over the past two years ending June 30, 2015. The Laborers have worked a substantial amount of hours and are highlighted below. The Laborers Apprentice Utilization continues to increase with a 6.2% increase. The combined crafts show a slight increase of 1%, yet the overall cumulative percentage and the apprentice utilization indicators show a marginal decrease from last quarter.



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**Jobs Training and Opportunities Program (JTOP)**

As of June 30, 2015, the SFPUC and City staff have referred 532 Apprentices and 271 Journeypersons to WSIP PLA-covered Projects from our community-based partners in Job Training Programs and through Labor Unions. These 803 individuals represent 10.5% 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, 2015						
Referred Apprentice Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Apprentices	% Of Total Apprentice Hours	% Of Total Apprentice Wages
CityBuild Academy	49	36,619	\$ 901,826	3.1%	4.1%	4.0%
CityBuild Referral Services	63	32,257	\$ 830,000	4.0%	3.7%	3.6%
Cypress Mandela Training Center, Inc.	35	51,731	\$ 1,210,979	2.3%	5.8%	5.4%
Helmets to Hardhats	1	3,339	\$ 80,910	0.1%	0.4%	0.4%
Job Corps	1	4,328	\$ 129,666	0.1%	0.5%	0.6%
JobTrain's Project Build	57	77,764	\$ 1,845,740	3.6%	8.8%	8.0%
Northern California Construction and Trai	7	7,233	\$ 158,276	0.5%	0.8%	0.7%
San Joaquin County Office of Ed. YouthBu	11	16,900	\$ 364,200	0.7%	1.9%	1.6%
SFPUC	63	55,468	\$ 1,444,785	4.0%	6.3%	6.3%
Sponser	6	24,747	\$ 616,898	0.4%	2.8%	2.7%
Union	239	182,763	\$ 4,628,985	15.3%	20.7%	20.3%
<b>Total Referred Apprentice Workers</b>	<b>532</b>	<b>493,145</b>	<b>\$ 12,212,266</b>	<b>34%</b>	<b>56%</b>	<b>54%</b>
Non-Referred Apprentices	1,027	386,389	\$ 10,548,441	66%	44%	46%
<b>Total Apprentices</b>	<b>1,559</b>	<b>879,535</b>	<b>\$ 22,760,707</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Referred Journeyperson Workers						
Referring Agency	Workers	Hours	Wages	% Of Total Journey Level Workers	% Of Total Journey Hours	% Of Total Journey Wages
CityBuild Academy	8	7,431	\$ 242,652	0.1%	0.1%	0.1%
CityBuild Referral Services	71	49,693	\$ 2,151,100	0.8%	0.8%	0.9%
Cypress Mandela Training Center, Inc.	8	8,577	\$ 274,042	0.1%	0.2%	0.1%
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 Trai	1	1,640	\$ 42,809	0.0%	0.0%	0.0%
San Joaquin County Office of Ed. YouthBu	1	222	\$ 5,099	0.0%	0.0%	0.0%
SFPUC	31	45,691	\$ 1,589,190	0.3%	0.7%	0.6%
Sponser	2	436	\$ 12,231	0.0%	0.0%	0.0%
Union	134	118,142	\$ 4,395,822	1.4%	2.0%	1.7%
<b>Total Referred Journeyperson Workers</b>	<b>271</b>	<b>248,890</b>	<b>\$ 9,243,654</b>	<b>2.9%</b>	<b>4.1%</b>	<b>3.6%</b>
Non-Referred Journeypersons	9,450	5,950,955	\$ 242,590,975	97.2%	96.0%	96.3%
<b>Total Journeypersons</b>	<b>9,721</b>	<b>6,199,845</b>	<b>\$ 251,834,629</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Total Workforce						
<b>Total Referred Workers ( J+A )</b>	<b>803</b>	<b>742,035</b>	<b>\$ 21,455,920</b>	<b>7%</b>	<b>10%</b>	<b>8%</b>
All Non-Referred Workers						
All Non-Referred Workers	10,362	6,337,345	\$ 253,139,416	93%	90%	92%
<b>Total Workforce</b>	<b>11,165</b>	<b>7,079,380</b>	<b>\$ 274,595,336</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

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

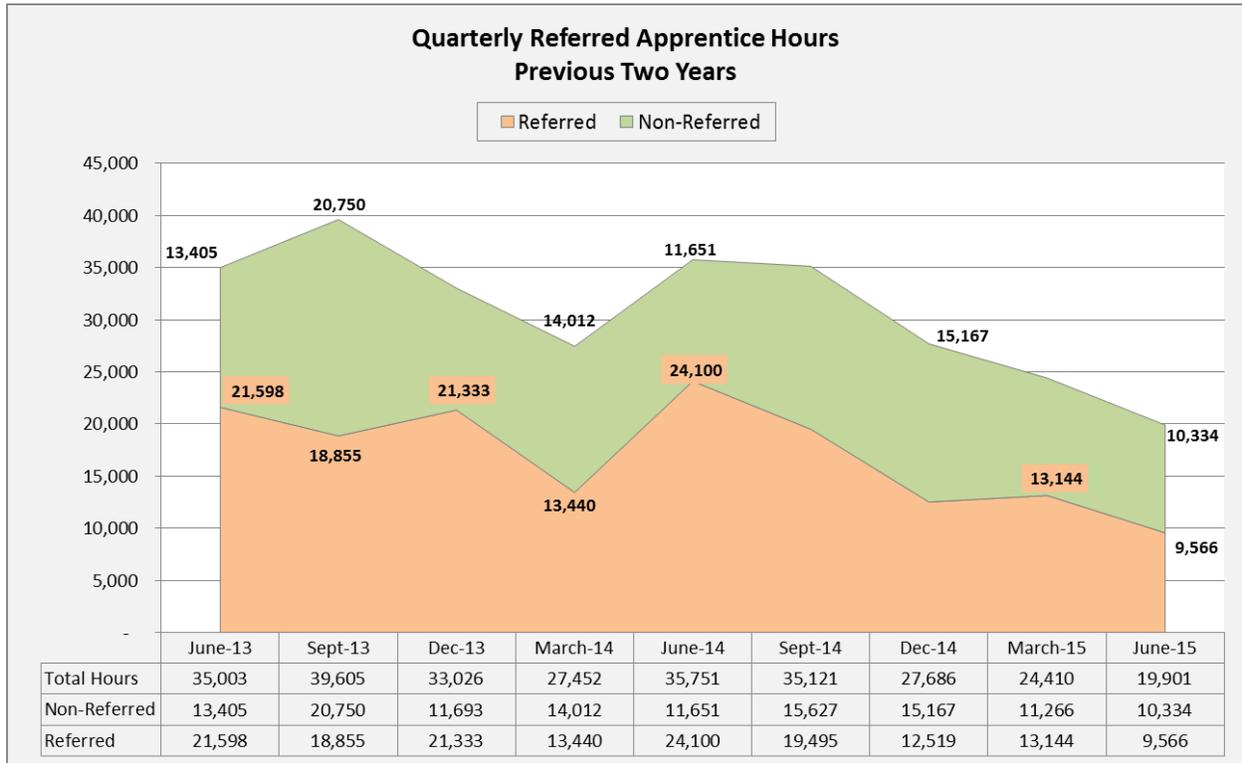
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The table below illustrates *JTOP Referred Worker Utilization by Project* with the greatest total project participation listed first.

Referred Worker Utilization by WSIP-PLA Covered Project Inception through June 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 Protection	11,512	3,255	8,257	3,247	865	4,112	100%	10.5%	35.7%
WD-2651R Peninsula 2011 Watershed Co	21,429	3,135	18,295	2,372	2,667	5,039	76%	14.6%	23.5%
WD-2623 - Harding Park Recycled Water	22,726	1,645	21,081	1,280	3,659	4,938	78%	17.4%	21.7%
WD-2652 Bioregional Habitat Restoratio	102,740	18,513	84,227	13,622	2,914	16,535	74%	3.5%	16.1%
HH-935C - San Joaquin Pipeline System -	144,007	17,263	126,744	14,185	8,693	22,877	82%	6.9%	15.9%
WD-2555 - Crystal Springs Pipeline No.2	127,743	12,953	114,791	12,193	7,984	20,177	94%	7.0%	15.8%
WD-2552 - Alameda Siphon No. 4 Project	129,478	20,728	108,750	16,749	3,356	20,105	81%	3.1%	15.5%
WD-2629 Seismic Upgrade of Bay Divisio	125,065	19,357	105,707	15,145	3,992	19,137	78%	3.8%	15.3%
WD-2539 - University Mound Reservoir R	187,025	30,346	156,679	14,817	12,647	27,463	49%	8.1%	14.7%
WD-2548 - Lake Merced Pump Station Es	101,056	10,815	90,241	4,034	10,787	14,821	37%	12.0%	14.7%
WD-2641R Habitat Reserve Program, Hor	43,086	8,606	34,480	4,844	1,344	6,188	56%	3.9%	14.4%
WD-2627R Sutro Reservoir Rehabilitation	154,357	20,639	133,718	16,028	6,080	22,107	78%	4.5%	14.3%
WD-2640 Bioregional Habitat Restoratio	10,581	1,607	8,974	1,391	75	1,466	87%	0.8%	13.9%
WD-2665 Bay Division Pipeline Reliabilit	21,967	1,909	20,059	1,848	1,135	2,983	97%	5.7%	13.6%
WD-2601 - Crystal Springs / San Andreas	486,522	48,328	438,193	38,149	27,000	65,149	79%	6.2%	13.4%
WD-2551 Calaveras Dam Replacement P	680,655	87,667	592,988	68,485	18,306	86,791	78%	3.1%	12.8%
WD-2727 Peninsula Pipeline Seismic Upg	49,068	8,816	40,252	3,862	2,389	6,251	44%	5.9%	12.7%
WD-2666 Bioregional Habitat Restoratio	23,402	1,843	21,559	778	2,039	2,817	42%	9.5%	12.0%
WD-2596 - Harry Tracy Water Treatment	1,000,804	143,493	857,311	79,394	36,177	115,571	55%	4.2%	11.5%
WD-2591 - Lower Crystal Springs Dam Im	98,686	8,685	90,000	6,917	4,086	11,003	80%	4.5%	11.1%
WD-2513 - San Andreas Pipeline No.3 Int	82,356	9,311	73,045	8,522	513	9,035	92%	0.7%	11.0%
CS-936 - Advanced Meter Infrastructure	227,022	79,373	147,649	4,405	20,110	24,515	6%	13.6%	10.8%
WD-2556 - Baden and San Pedro Valve L	19,937	2,738	17,199	2,057	98	2,155	75%	0.6%	10.8%
WD-2575 San Antonio Backup Pipeline	74,907	12,432	62,475	4,220	3,127	7,347	34%	5.0%	9.8%
WD-2622 San Francisco Groundwater Sup	17,758	2,092	15,666	261	1,429	1,690	13%	9.1%	9.5%
WD-2531 - Bay Division Pipelines Reliabi	572,959	31,602	541,357	27,311	26,382	53,693	86%	4.9%	9.4%
WD-2542 - Bay Division Pipeline No. 5 - F	287,972	26,202	261,770	20,197	4,770	24,967	77%	1.8%	8.7%
HH-935B - San Joaquin Pipeline System -	100,478	9,302	91,176	5,795	1,923	7,717	62%	2.1%	7.7%
WD-2582 - Sunol Valley Water Treatment	462,409	68,616	393,794	27,121	8,277	35,398	40%	2.1%	7.7%
WD-2469 - Forest Knolls Pump Station ar	26,552	2,907	23,645	1,961	32	1,993	68%	0.1%	7.5%
WD-2504 - Stanford Heights Reservoir Se	74,299	9,891	64,408	1,336	4,241	5,577	14%	6.6%	7.5%
WD-2541 - Bay Division Pipeline No. 5 - E	208,220	20,188	188,033	10,927	3,718	14,645	54%	2.0%	7.0%
WD-2668 Regional Groundwater Storage	3,659	-	3,659	-	254	254	-	6.9%	6.9%
WD-2581 - New Irvington Tunnel	695,701	50,608	645,093	35,125	12,000	47,125	69%	1.9%	6.8%
DB-116 - Tesla Treatment Facility	141,840	26,960	114,881	7,419	1,884	9,303	28%	1.6%	6.6%
WD-2529 - Noe Valley Transmission Main	22,511	1,133	21,378	1,133	263	1,396	100%	1.2%	6.2%
WD-2566 - San Antonio Pump Station Up	14,916	1,798	13,118	931	-	931	52%	0.0%	6.2%
WD-2501 - Alemany Pump Station	74,094	7,629	66,465	3,275	1,175	4,450	43%	1.8%	6.0%
WD-2573 - Pulgas Balancing Reservoir St	50,372	7,825	42,547	1,458	1,282	2,740	19%	3.0%	5.4%
WD-2543 - North University Mound Syste	53,226	2,998	50,228	2,550	106	2,656	85%	-	5.0%
WD-2600 Regional Groundwater Storage	6,088	296	5,792	296	-	296	100%	-	4.9%
HH-935A - San Joaquin Pipeline System -	84,472	9,003	75,469	3,595	422	4,017	40%	0.6%	4.8%
WD-2568 - BDPL Nos. 3&4 Crossover Faci	47,910	4,538	43,373	2,020	185	2,205	45%	-	4.6%
WD-2564 - Harry Tracy Water Treatment	43,047	2,089	40,959	1,329	183	1,512	64%	-	3.5%
HH-914R - Roselle Crossover Improveme	12,859	1,943	10,917	256	32	288	13%	-	2.2%
WD-2498 - New Crystal Springs Bypass (F	117,809	17,607	100,202	314	291	605	2%	-	0.5%
WD-2511 - Standby Power Facilities, Var	11,261	626	10,635	-	4	4	-	-	-
WD-2589 - Supervisory Control and Data	1,498	115	1,383	-	-	-	-	-	-
WD-2621R San Francisco Groundwater S	1,341	116	1,225	-	-	-	-	-	-
WD-2707 As-Needed Integration Service	-	-	-	-	-	-	-	-	-
<b>Total WSIP PLA</b>	<b>7,079,380</b>	<b>879,535</b>	<b>2,307,243</b>	<b>493,145</b>	<b>248,890</b>	<b>742,035</b>	<b>56%</b>	<b>4.0%</b>	<b>10.5%</b>

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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 9,566 referred hours in this quarter ending June 2015, these hours still accumulated 48%, almost half 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.

13,017 pre-employment tests have been administered as of June 30, 2015 to people who were cleared to work. 165 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.

<b>WSIP - Covered by PLA - Substance Abuse Testing Summary</b>	
Tests Administered to Individuals Cleared to Work through June 30, 2015	
Project	Number Cleared
*WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements	2,396
WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade	1,282
*WD-2551 Calaveras Dam Replacement Project	1,065
WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir	704
WD-2581 - New Irvington Tunnel	638
*WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel	581
WD-2548 - Lake Merced Pump Station Essential Upgrades	530
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	89
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. Point, and Upper San Mateo Creek Project	63
*WD-2727 Peninsula Pipeline Seismic Upgrade	61
WD-2543 - North University Mound System Upgrade	55
*WD-2668 Regional Groundwater Storage and Recovery	53
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	21
*WD-2621R San Francisco Groundwater Supply Well Stations	16
HH-953 - Tesla Portal Protection	7
WD-2623 - Harding Park Recycled Water Project	7
*WD-2640 Bioregional Habitat Restoration	-
*WD-2707 As-Needed Integration Services (Lenel VAR required) 2013-2015	-
<b>Total Cleared</b>	<b>13,017</b>

\* 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.