HETCH HETCHY
WATER SYSTEM IMPROVEMENT PROGRAM

Water System Improvement Program
Project Labor Agreement

Quarterly Report
Quarter Ended March 31, 2012
(Third Quarter 2011-2012)

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

Table of Contents

Executive Summary 3
Construction Activity Highlights – Program-to-Date 3
Contracting: 3
Employment: 4
Construction Activity Highlights – Quarter Ended March 31, 2012 4
Contracting: 4
Employment: 4
Summary of Craft Worker Employment 5
Summary of Contracts Awarded 7
Craft Worker Employment on the WSIPLA 9
Craft Utilization on the WSIPLA 13
Worker Residence on the WSIPLA 15
All WSIPLA- Covered Projects 15
SF Local WSIP Projects: 16
Regional WSIP Projects: 17
Advanced Meter Infrastructure Project: 18
Craft Worker Residence by Craft – All WSIPLA Covered Projects 19
Craft Worker Residence by Project – All WSIPLA Covered Projects 20
Craft Worker Residence by County – All WSIPLA Covered Projects 20
Craft Employment of San Francisco Residents by Zip Code: 22
Apprentice Utilization 23
Employment of Low-Income Residents 26
WSIP Craft Hour Estimate 31
Web-Based Labor Compliance Program 33
Governance 33
Pre-Job Conferences and Jurisdictional Disputes 33
Legislative History of the WSIPLA 33
Note Regarding the Bay Area Labor Market 34

Executive Summary

Since it was adopted on March 16, 2007 the WSIPLA has promoted the public interest by ensuring the timely and economical completion of WSIP projects. The WSIPLA 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 provide employment for construction workers employed by union-signatory and non-union construction contractors. Thirty-seven WSIP contracts awarded subject to the WSIPLA in the amount of $1.744 Billion through March 31, 2012 represent 77.0% of the total estimated construction contracts projected to be awarded subject to the WSIPLA.

Construction Activity Highlights – Program-to-Date

Contracting:

- Thirty-seven construction contracts with a value of $1.744 Billion have been awarded subject to the WSIPLA.
- The total of the range of the advertised construction cost estimates for the thirty-seven contracts awarded subject to the WSIPLA was $1.986 Billion at the low end to $2.232 Billion at the high end. The $1.743 Billion awarded is 87.8% of the low end of the engineer's estimate.
- 9.3% of the $1.744 Billion awarded or $162.7 Million was awarded to Certified LBE Contractors. Each award met or exceeded the LBE subcontracting goal established by the San Francisco Human Rights Commission.
- Five Certified LBE Prime Contractors were awarded $32.1 Million, representing 2.2% of the $1.451 Billion awarded to Prime Contractors.
- 110 LBE-Certified Sub-Contractors were awarded $130.5 Million representing 44.6% of the $293.0 Million awarded to Sub-Contractors.
- 76 San Francisco Certified LBE sub-contractors were awarded $55.7 Million representing 19.0% of the $293.0 Million awarded to Sub-Contractors.
- 34 SFPUC-Certified Regional Sub-Contractors were awarded $74.8 Million representing 25.5% of the $293.0 Million awarded to Sub-Contractors.

Employment:

- Since inception of the WSIPLA 6,507 construction workers were employed for 2,852,038 hours on PLA-Covered WSIP projects, and earned wages of $105,508,577.
- 552 San Francisco residents worked 218,925 hours on WSIPLA-Covered WSIP Projects and earned $7,981,089, representing or 7.7% of covered hours and 105 full-time equivalent worker years.
- 2,777 residents of the Water Service Territory worked 1,244.200 hours on WSIPLA-Covered WSIP Projects and earned wages of $45,340,279, representing 43.6% of covered hours and 598 full-time equivalent worker years. The Water Service Territory consists of zip codes outside of San Francisco in the vicinity of WSIP construction, or within which the SFPUC delivers water.
- 7,430 pre-employment substance abuse tests have been administered to employees cleared to work on WSIPLA-covered projects as of March 31, 2012, and 104 people were prevented from working on WSIPLA-covered projects because they did not pass the pre-employment substance abuse screening process.

Construction Activity Highlights – Quarter Ended March 31, 2012

Contracting:

No construction contracts were awarded subject to the WSIPLA during the Quarter Ended March 31, 2012.

Employment:

- During the Quarter ended March 31, 2012, 1,657 construction workers were employed for 330,740 hours on PLA-Covered WSIP projects, and earned wages of $12,704,741.
- During the Quarter ended March 31, 2012, 80 San Francisco residents worked 13,305 hours on PLA-Covered WSIP projects and earned wages of $486,222.
- During the Quarter ended March 31, 2012, 672 residents of the Water Service Territory worked 144,967 hours on PLA-Covered WSIP projects and earned wages of $5,490,058. The Water 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 ended March 31, 2012, 656 negative pre-employment substance abuse tests were administered under the provisions of the WSIPLA Substance Abuse Policy and 10 individuals were prevented from working as the result of positive tests.

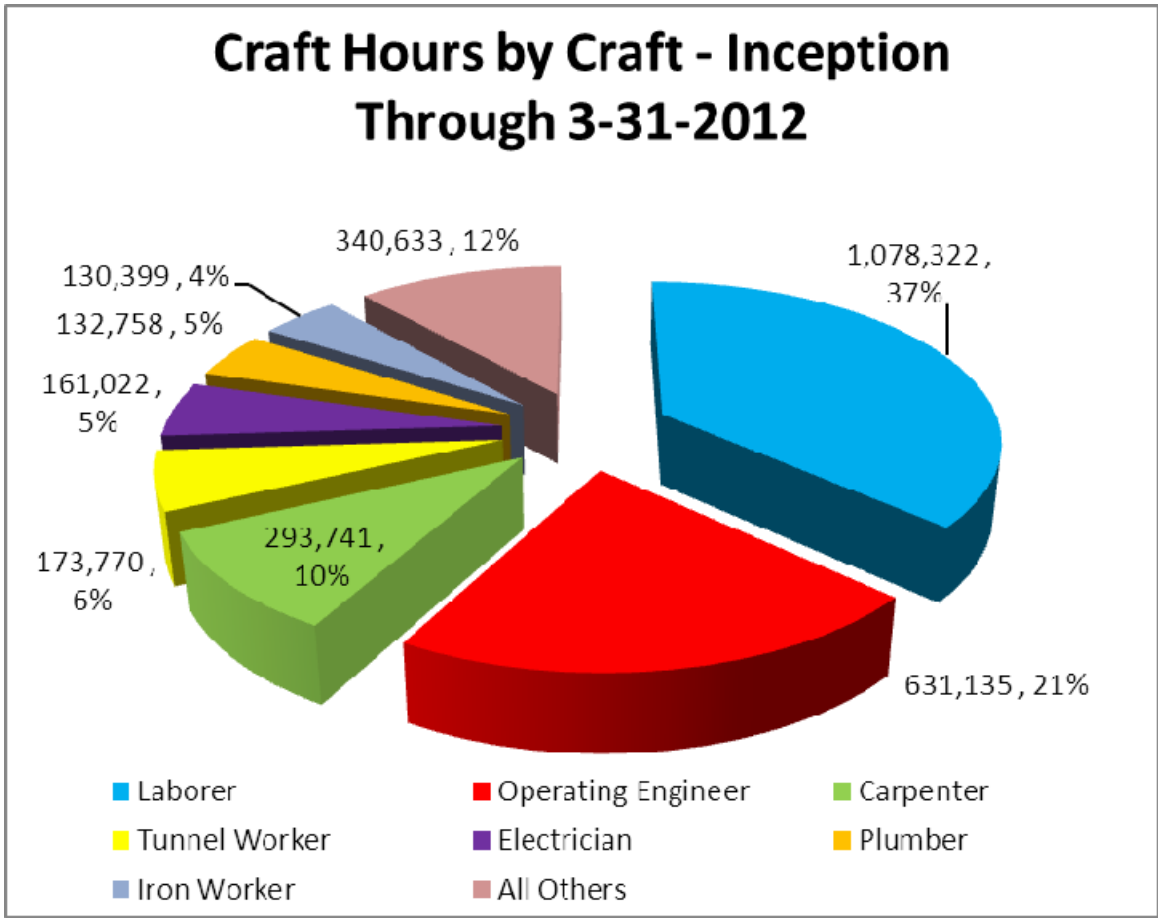
Summary of Craft Worker Employment

The following table and chart summarize craft worker employment recorded in the Elations System. Worker counts are duplicated for individuals who work in multiple categories, so detail worker counts generally exceed the related total worker counts.

San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
Craft Employment Summary for the Quarter Ended March 31, 2012
Employment Summary by Worker Residence and PLA Coverage

	Inception thru March 31, 2012				Three Months Ended March 31, 2012			
Residence/ Project Type	Worker Count	FTE	Sum of Hours	Sum of Wages	Worker Count	FTE	Sum of Hours	Sum of Wages
All Workers								
Advanced Meter Inf.	137	43	89,740	$ 3,842,475	67	10	20,276	$ 895,433
WSIP with PLA	6,507	1,371	2,852,038	105,508,577	1,657	159	330,740	12,704,741
WSIP without PLA	824	141	293,633	9,372,833	63	2	4,229	164,843
Total	7,468	1,555	3,235,411	$ 118,723,885	1,787	171	355,245	$ 13,765,017
SF Residents								
Advanced Meter Inf.	52	14	29,965	$ 1,282,725	24	4	7,298	$ 314,880
WSIP with PLA	552	105	218,925	7,981,089	80	6	13,305	486,222
WSIP without PLA	100	13	26,405	796,990	10	0	516	16,641
Total	704	132	275,295	$ 10,060,803	114	10	21,119	$ 817,743
Svc. Territory Res.								
Advanced Meter Inf.	54	19	40,034	$ 1,633,978	21	3	5,979	$ 241,371
WSIP with PLA	2,777	598	1,244,200	45,340,279	672	70	144,967	5,490,058
WSIP without PLA	299	39	80,606	2,580,112	17	1	1,114	55,006
Total	3,130	656	1,364,839	$ 49,554,369	710	73	152,059	$ 5,786,435
Outside Residents								
Advanced Meter Inf.	33	9	19,741	$ 925,772	22	3	6,999	$ 339,182
WSIP with PLA	3,318	668	1,388,913	52,187,210	912	83	172,468	6,728,461
WSIP without PLA	432	90	186,622	5,995,731	36	1	2,600	93,196
Total	3,783	767	1,595,276	$ 59,108,712	970	88	182,067	$ 7,160,839

The following chart summarizes WSIPLA – Covered craft employment, including the WSIP and Advanced Meter Infrastructure Project, for crafts with at least 130,000 craft hours as of March 31, 2012. Carpenters, Laborers, and Operating Engineers combined represent 68.1% of total craft hours.



Summary of Contracts Awarded

As of its last meeting in the Quarter ended March 31, 2012, the SFPUC had awarded thirty-seven WSIP construction contracts in the amount of $1.744 Billion subject to the WSIPLA. The total of the ranges of the advertised engineer's estimates for these contracts was $1.986 Billion at the low end to $2.232 Billion at the high end. The $1.744 Billion awarded is 87.8% of the low end of the engineer's estimate.

In addition, in March of 2009 the SFPUC awarded a Personal Services Contract for the replacement of all water meters in San Francisco in the amount of $62.8 Million funded by SFPUC Operating Funds, and added the contract to the scope of the WSIPLA.

The San Francisco Human Rights Commission's LBE subcontracting goals were met or exceeded for each contract awarded. The following table summarizes awards to LBE subcontractors.

LBE Participation in Thirty-Seven Contracts Awarded
Subject to the WSIPLA as of March 31, 2012

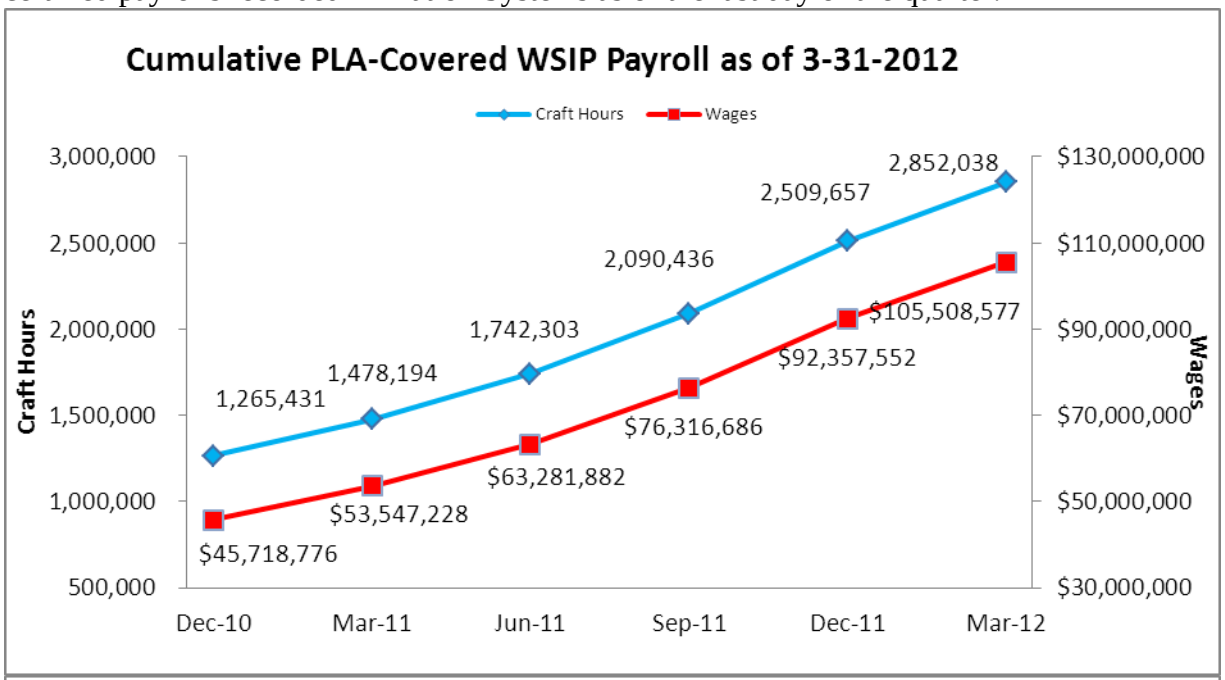
Prime Contractors	Number of Contractors	Award	Percent of Total Awarded
PUC Certified	1	$ 4,320,736	0.25%
San Francisco Certified	4	27,823,395	1.60%
Not Certified	20	1,418,599,641	81.35%
Sub Contractors			
PUC Certified	34	74,778,385	4.29%
San Francisco Certified	76	55,732,547	3.20%
Not Certified	104	162,470,275	9.32%
	239	$ 1,743,724,979	100.00%

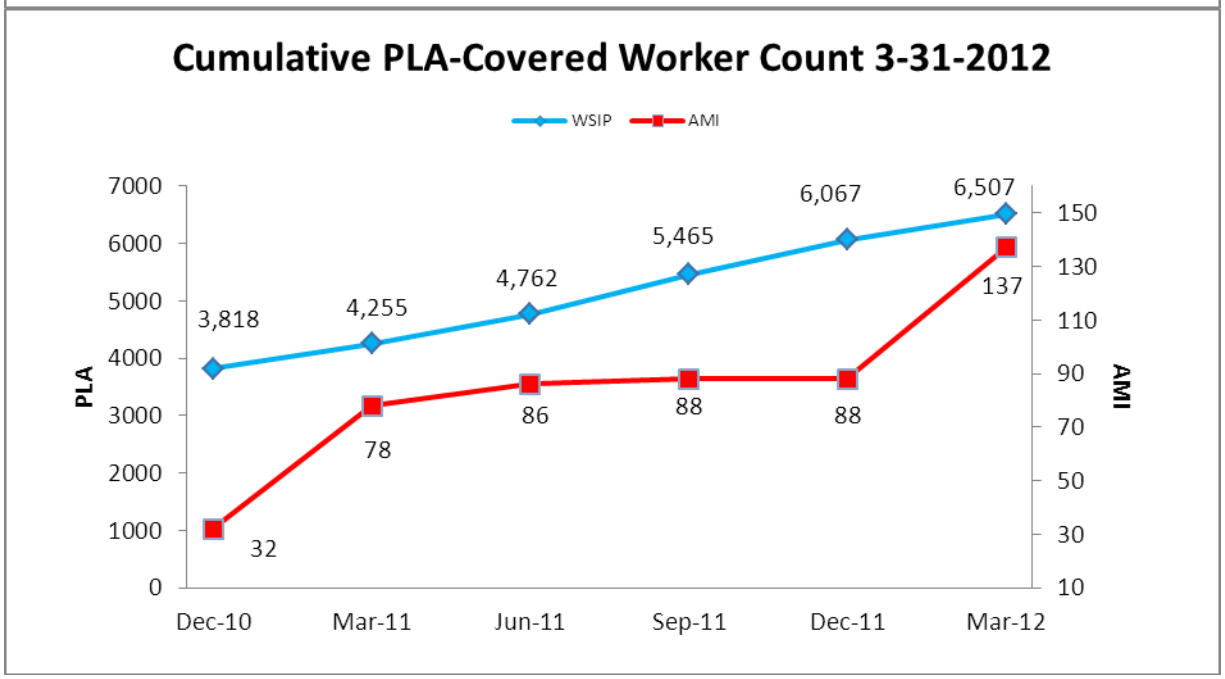
San Francisco Public Utilities Commission
Construction Contracts Awarded Subject to the WSIPLA through March 31, 2012

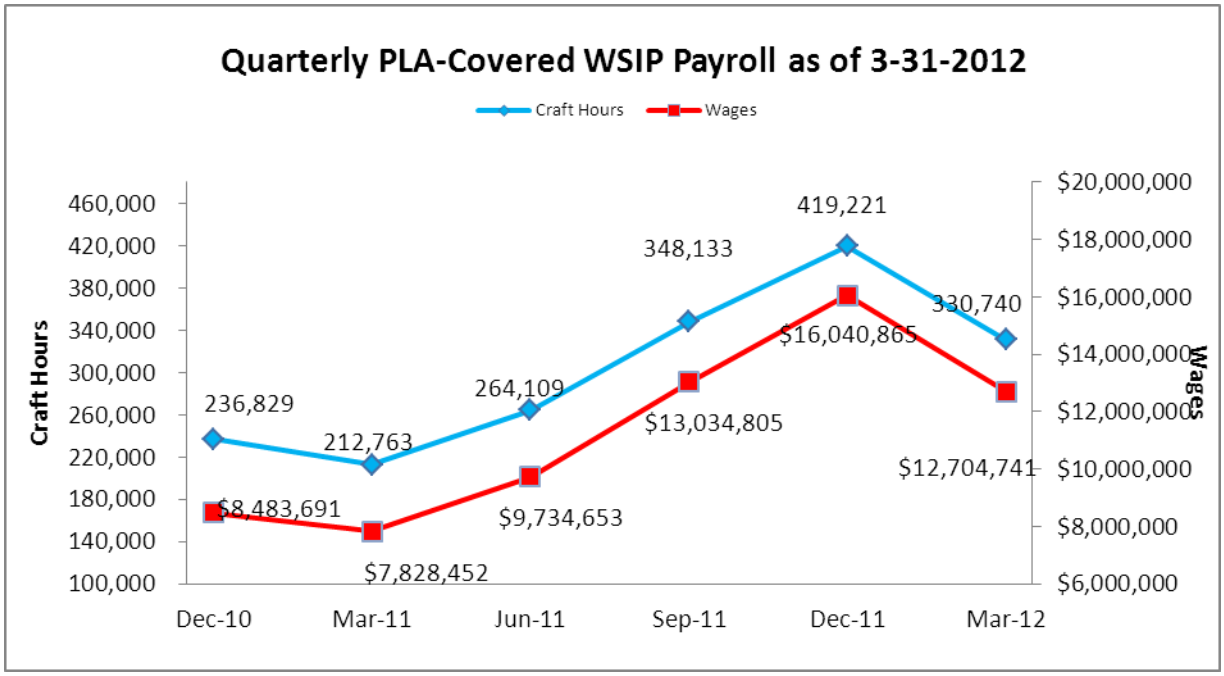
Contract No.	Prime Contractor	Project	Engineer's Estimate	Award
WD-2504	S.J. Amoroso Construction Co. Inc.	Stanford Heights Reservoir Seismic Retrofit and Improvement	$18 to $24 Million	$ 17,899,960
WD-2511	Power Engineering Contractors, Inc.	Standby Power Facilities, Various Locations	$5.7 Million	8,419,000
WD-2501	Monterey Mechanical Co.	Alemany Pump Station	$18 to $22 Million	23,269,000
WD-2469	Cal State Constructors, Inc.	Forest Knolls Pump Station and Storage Tank Upgrade	$5.5 to $7 Million	6,547,000
WD-2564	NTK Construction, Inc.	Harry Tracy Water Treatment Plant-Short Term Improvements- Phases 2 and 3	$15 to $18 Million	13,824,000
WD-2543	Shaw Pipeline Inc.	North University Mound System Upgrade	$15 to $18 Million	13,529,370
DB-116	PCL Civil Constructors Inc.	Tesla Treatment Facility, a Design-Build Agreement	$90 Million	81,420,562
WD-2498	Shank/Balfour Beatty, J.V.	New Crystal Springs Bypass Tunnel	$55 to $65 Million	55,674,000
WD-2529	KJ Woods Construction Inc.	Noe Valley Transmission Main- Phase 2	$6 to $8 Million	5,724,000
WD-2556	JMB Construction, Inc	Baden and San Pedro Valve Lot Improvements	$15 to $18 Million	11,536,500
WD-2548	Western Water Constructors	Lake Merced Pump Station Essential Upgrades	$52 to $60 Million	31,584,000
WD-2568	Shimmick Construction	BDPL Nos. 3&4 Crossover Facilities	$21.5 Million	12,695,000
WD-2552	Steve P. Rados	Alameda Siphon No. 4 Project	$45.5 Million	31,933,695
WD-2513	Mountain Cascade	San Andreas Pipeline No.3 Installation Project	$20 to $25 Million	16,336,350
WD-2539	S.J. Amoroso Construction Co	University Mound Reservoir North Basin Seismic Upgrades	$47 to $52 Million	29,597,000
HH-914R	Mountain Cascade	Roselle Crossover Improvements	$3.1 Million	2,837,000
WD-2566	Mountain Cascade	San Antonio Pump Station Upgrades Project	$8.5 to $9.5 Million	6,991,000
WD-2573	S.J.Amoroso Construction Co. Inc,	Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement	$14 to $18 Million	12,857,000
Wd-2541	Ranger Pipelines Inc	Bay Division Pipeline Reliability Upgrade-Pipeline #5 (East Bay)	$88 to $98 Million	61,558,005
WD-2589	Ranger Pipelines Inc	Supervisory Control and Data Acquisition (SCADA) System Phase II	$10.6 Million	3,847,250
WD-2542	Mountain Cascade, Inc	Bay Division Pipeline No. 5 - Peninsula Reaches	$62 to $69 Million	52,183,400
WD-2531	Michels/JayDee/Colu ccio, Joint Venture	Bay Division Pipelines Reliability Upgrade – Bay Tunnel	$235 to $260 Million	215,294,530
HH-935A	West Bay Builders	San Joaquin Pipeline System - Crossovers	$21.6 Million	11,723,817
WD-2582	Shimmick Construction	Sunol Valley Water Treatment Plant (SVWTP)	$109 Million	83,102,160
WD-2581	Southland/Tutor Perini Joint Venture	New Irvington Tunnel	$230 to $260 Million	226,657,700
WD-2601	Kiewit Infrastructure West	Crystal Springs / San Andreas Upgrade	$100 to $130 Million	99,763,000
WD-2623	R& W Concrete	Harding Park Recycled Water Proiect	$6.5 Million	5,251,100
HH-935B	Mountain Cascade, Inc	San Joaquin Pipeline - Western Segment	$70 Million	48,706,379
WD-2591	Kiewit Infrastructure W	Lower Crystal Springs Dam Improvements	$18 to $22 Million	17,360,400
WD-2555	Ranger Pipelines Inc	Crystal Springs Pipeline No.2 Replacement Proiect	$43 to $48 Million	32,547,350
WD-2596	Kiewit Infrastructure West	Harry Tracy Water Treatment Plant Long-Term Improv	$220 to $245 Million	174,197,000
WD-2551	Dragados/Flatiron/Su kut JV	Calaveras Dam Replacement Project,	$250 to $300 Million	259,571,850
HH-935C	Contri Constmction,	San Joaquin Pipeline System - Eastern Segment	$52 to $57 Million	45,329,416
WD-2652	Gordon N. Ball, Inc	Bioregional Habitat Restoration, San Antonio Creek	$13 Million	12,947,400
HH-953	Azul Works, Inc.	Tesla Portal Protection	$2.4 Million	2,760,000
WD-2600	Road Runner Drilling and Pump	Regional Groundwater Storage and Recovery	$3.6 to $4.2 Million	2,998,685
WD-2665	Steve P. Rados	Cordilleras Micro Tunnel	$5.8 Million	5,251,100
		Total Thirty-Seven Contracts		$ 1,743,724,979

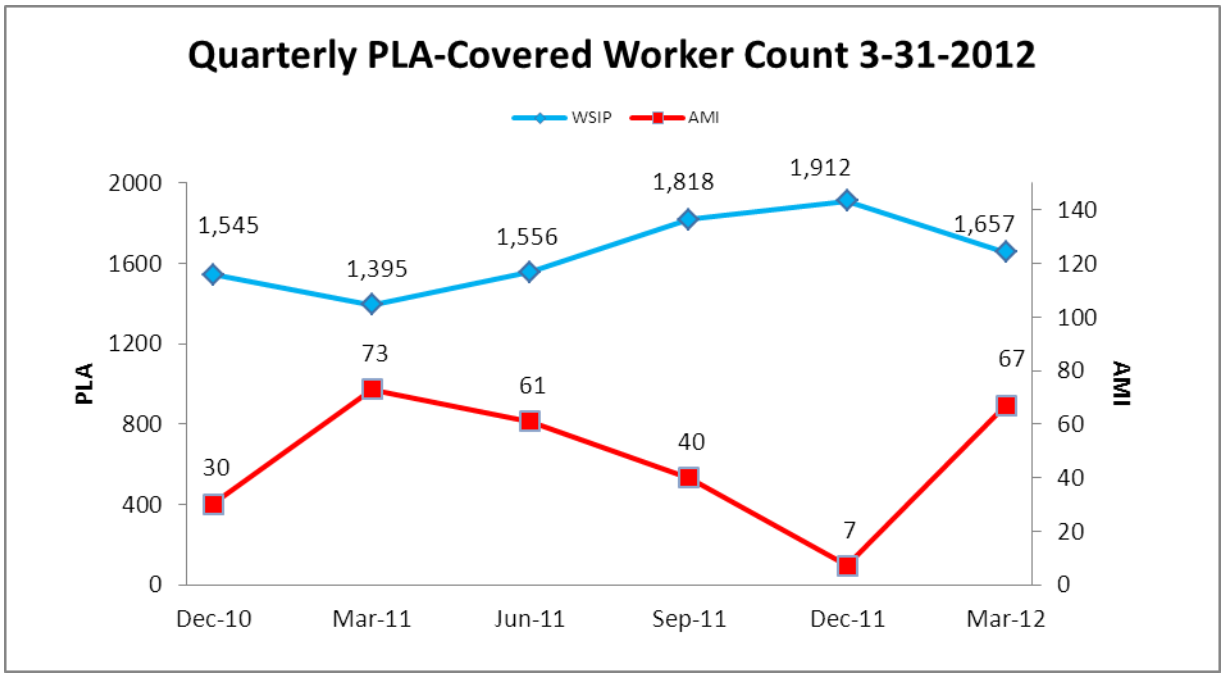
Craft Worker Employment on the WSIPLA

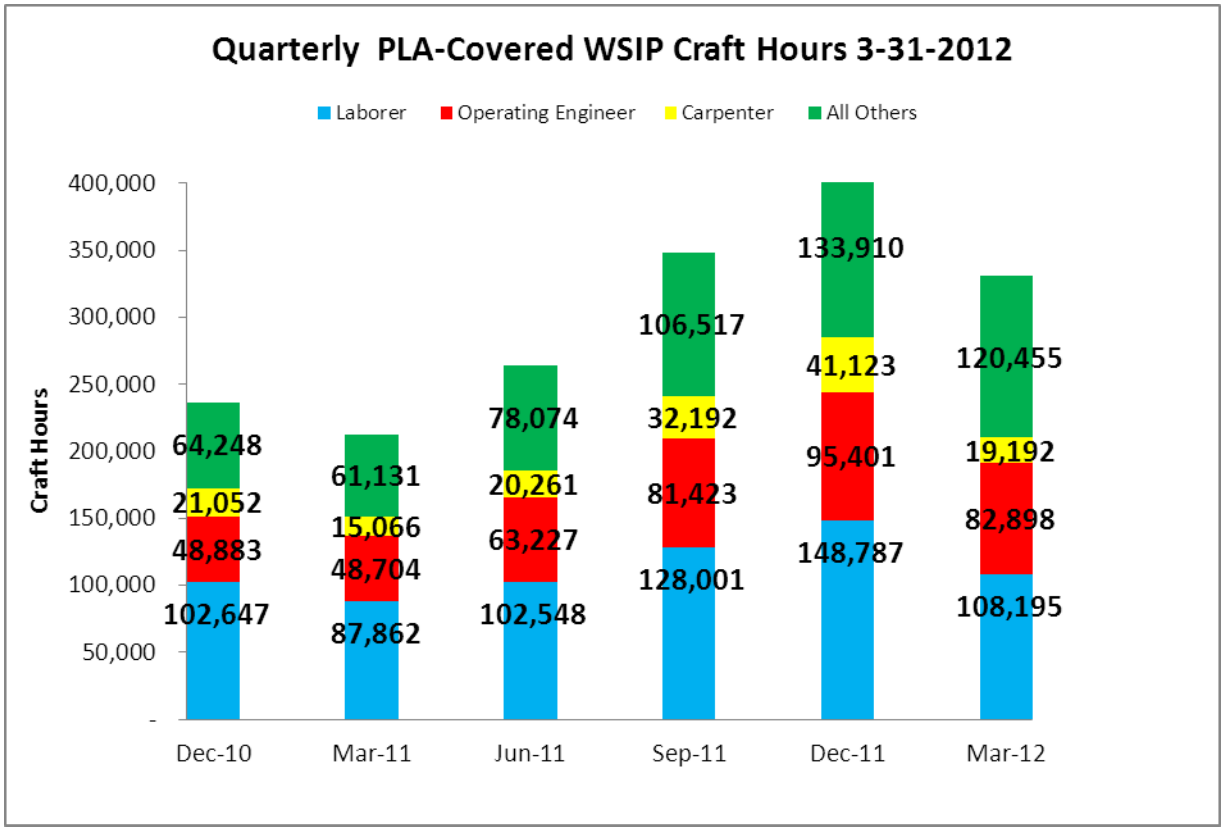
The following charts summarize craft worker employment under the WSIPLA for the last six quarters. The first and second tables are cumulative balances at the end of each quarter, and the third and fourth tables represent employment during each quarter. The fifth and sixth tables represent quarterly participation of the Basic Crafts in WSIP Projects covered by the WSIPLA. The employment summaries are based on electronic certified payrolls recorded in Elation Systems as of the last day of the quarter.

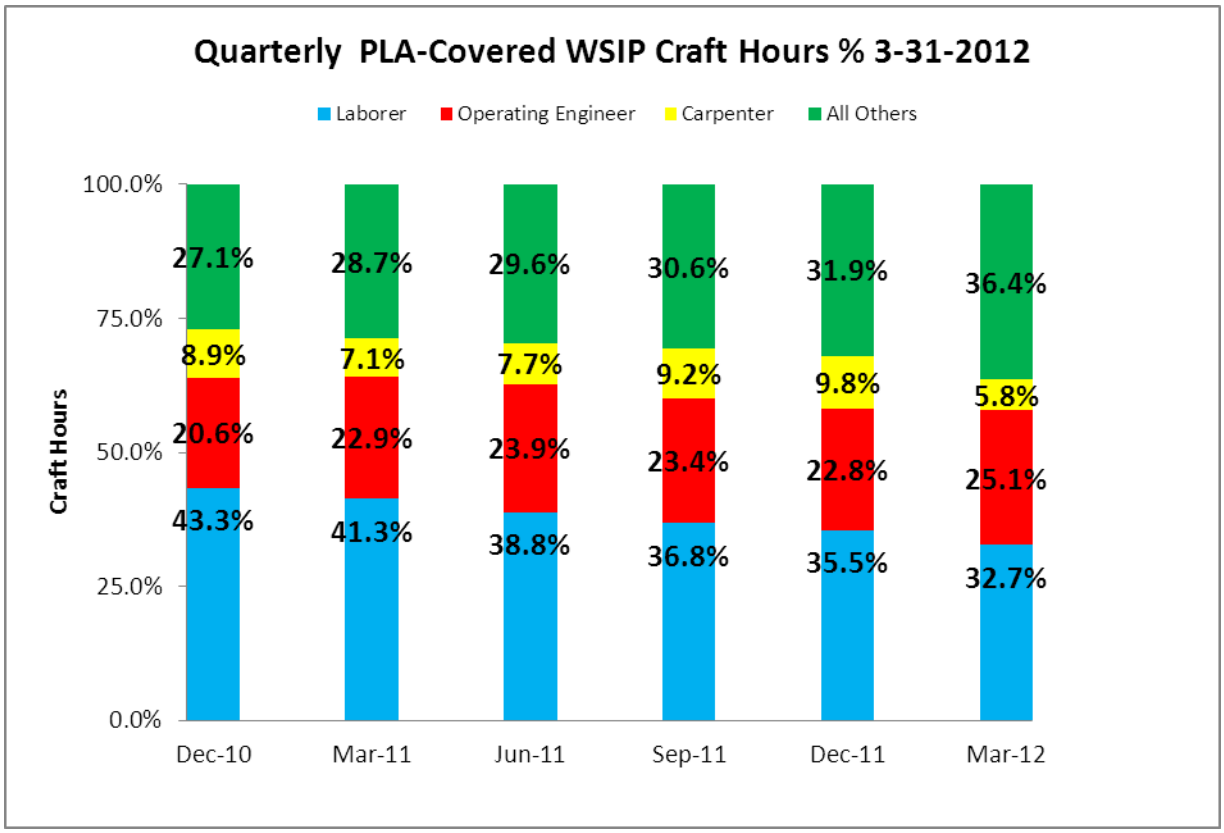




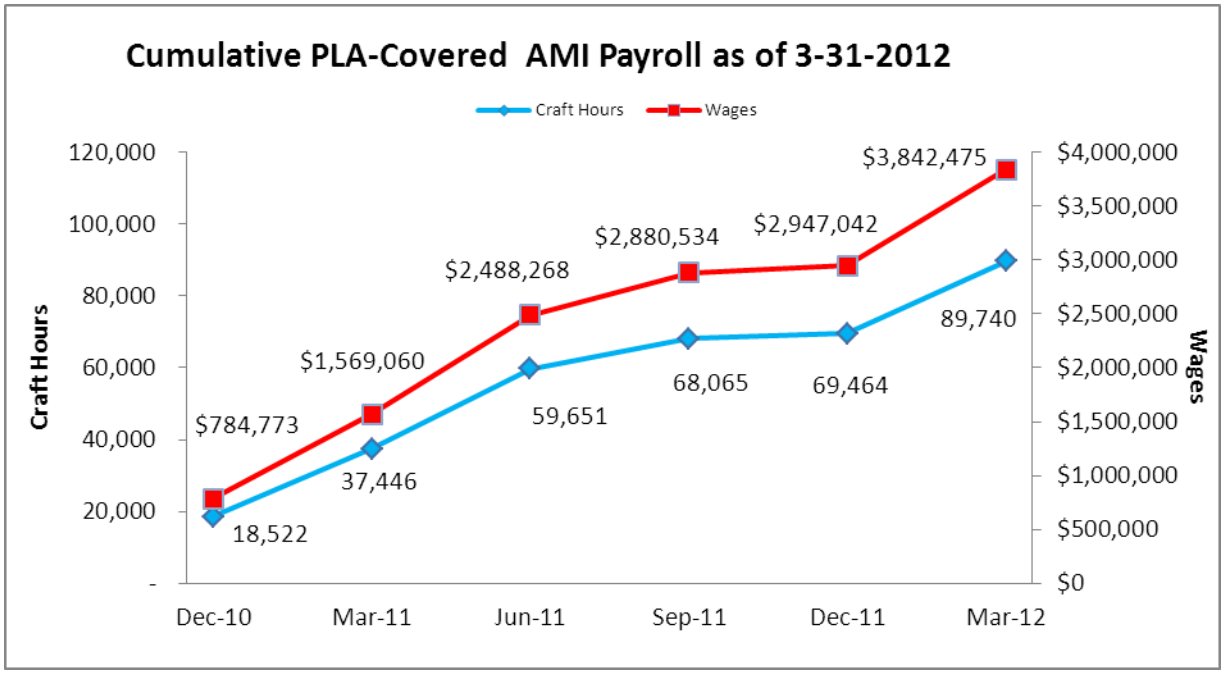

Quarterly PLA-Covered WSIP Payroll as of 3-31-2012
Craft Hours
Wages
Craft Hours
Wages
460,000
420,000
380,000
340,000
300,000
260,000
220,000
180,000
140,000
100,000
$20,000,000
$18,000,000
$16,000,000
$14,000,000
$12,000,000
$10,000,000
$8,000,000
$6,000,000
236,829
212,763
264,109
348,133
419,221
330,740
$8,483,691
$7,828,452
$9,734,653
$13,034,805
$16,040,865
$12,704,741
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12

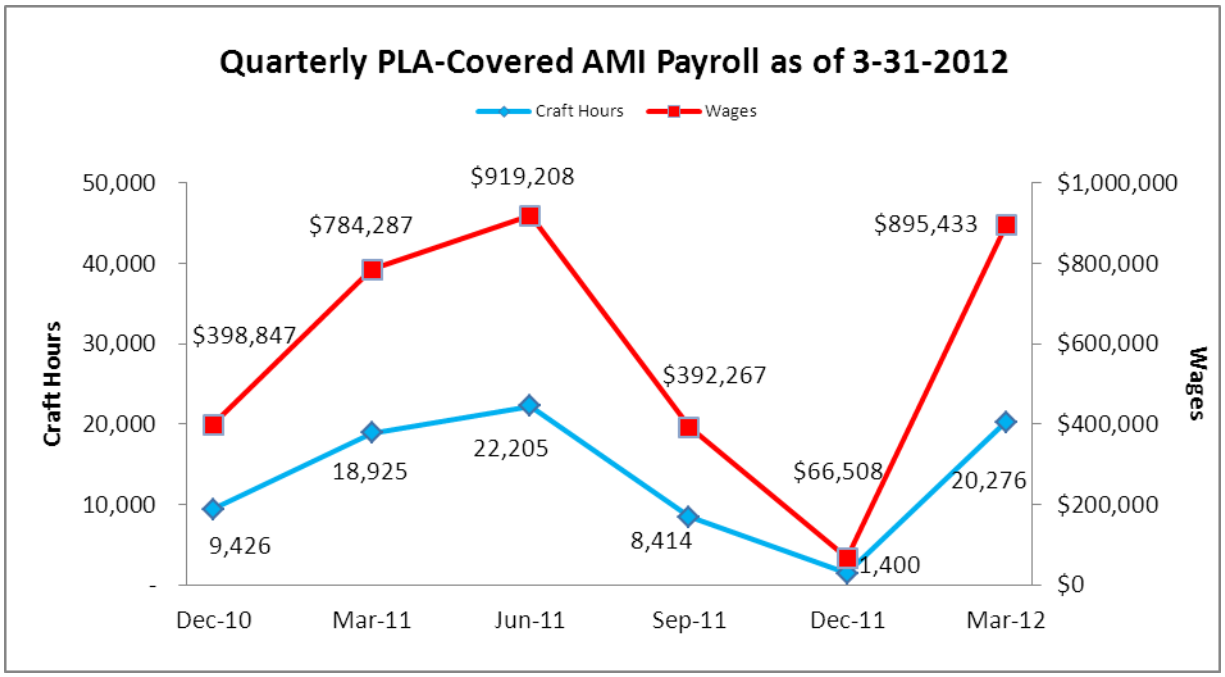

Quarterly PLA-Covered Worker Count 3-31-2012
WSIP
AMI
PLA
AMI
2000
1600
1200
800
400
0
140
120
100
80
60
40
20
0
1,545
1,395
1,556
1,818
1,912
1,657
30
73
61
40
7
67
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12


Quarterly PLA-Covered WSIP Craft Hours 3-31-2012
Laborer
Operating Engineer
Carpenter
All Others
Craft Hours
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
64,248
21,052
48,883
102,647
61,131
15,066
48,704
87,862
78,074
20,261
63,227
102,548
106,517
32,192
81,423
128,001
133,910
41,123
95,401
148,787
120,455
19,192
82,898
108,195


Quarterly PLA-Covered WSIP Craft Hours % 3-31-2012
Laborer
Operating Engineer
Carpenter
All Others
Craft Hours
100.0%
75.0%
50.0%
25.0%
0.0%
Dec-10
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
27.1%
8.9%
20.6%
43.3%
28.7%
7.1%
22.9%
41.3%
29.6%
7.7%
23.9%
38.8%
30.6%
9.2%
23.4%
36.8%
31.9%
9.8%
22.8%
35.5%
36.4%
5.8%
25.1%
32.7%

Work commenced on contract CS-936 Advanced Meter Infrastructure during the Quarter ended June 30, 2010 to replace all water meters in San Francisco. This work is covered by the WSIPLA, funding is provided by the SFPUC operating budget, and has been performed exclusively by Plumbers.





Craft Utilization on the WSIPLA

As of March 31, 2012, contractors had reported craft hours in 50 craft-worker classifications which the SFPUC summarizes into 25 craft areas reflecting all PLA-Covered work through March 31, 2012. 70.2% of covered hours on the WSIP have been worked by Laborers, Operating Engineers and Carpenters. In June 2010 field work commenced on the Advanced Meter Infrastructure Project (the AMI), and by March 31, 2012, 89,740 Plumber hours had been reported on the AMI representing $3,842,475 in covered wages.

San Francisco Public Utilities Commission
WSIP - Project Labor Agreement
Covered Employment by Craft
Inception Through March 31, 2012

	Craft Hours			Wages	% Craft Hours		% Wages	
Craft	AMI	WSIP	Total PLA	Total PLA	AMI	WSIP	Total PLA	FTE's
LABORER		1,078,322	1,078,322	$ 32,190,591		37.8%	29.4%	518.4
OPERATING ENGINEER		631,135	631,135	24,711,960		22.1%	22.6%	303.4
CARPENTER		293,741	293,741	11,743,103		10.3%	10.7%	141.2
TUNNEL WORKER		173,770	173,770	6,975,854		6.1%	6.4%	83.5
ELECTRICIAN		161,022	161,022	7,789,510		5.6%	7.1%	77.4
PLUMBER	89,740	43,018	132,758	5,951,582	100.0%	1.5%	5.4%	63.8
IRON WORKER		130,399	130,399	4,439,140		4.6%	4.1%	62.7
TEAMSTER		103,136	103,136	5,863,600		3.6%	5.4%	49.6
BOILERMAKER		64,509	64,509	2,912,338		2.3%	2.7%	31.0
CEMENT MASON		39,644	39,644	1,380,721		1.4%	1.3%	19.1
PILE DRIVER		36,940	36,940	1,907,826		1.3%	1.7%	17.8
PAINTER		36,123	36,123	1,302,023		1.3%	1.2%	17.4
ROOFER		30,944	30,944	1,041,585		1.1%	1.0%	14.9
FIELD SURVEYOR		7,462	7,462	310,234		0.3%	0.3%	3.6
SHEET METAL WORKER		6,941	6,941	298,161		0.2%	0.3%	3.3
ASBESTOS WORKER		5,835	5,835	158,837		0.2%	0.1%	2.8
BRICKLAYER		3,703	3,703	141,985		0.1%	0.1%	1.8
ELECTRICAL UTILITY LINEMAN		2,120	2,120	115,752		0.1%	0.1%	1.0
TELECOM TECHNICIAN		1,160	1,160	37,245		0.0%	0.0%	0.6
GLAZIER		884	884	40,843		0.0%	0.0%	0.4
PLASTERER		762	762	25,173		0.0%	0.0%	0.4
SLURRY SEAL WORKER		199	199	4,644		0.0%	0.0%	0.1
TILE FINISHER		128	128	2,783		0.0%	0.0%	0.1
TILE SETTER		115	115	4,277		0.0%	0.0%	0.1
TERRAZZO WORKER		31	31	1,286		0.0%	0.0%	0.0
	89,740	2,852,038	2,941,778	$ 109,351,052	100%	100%	100%	1,414

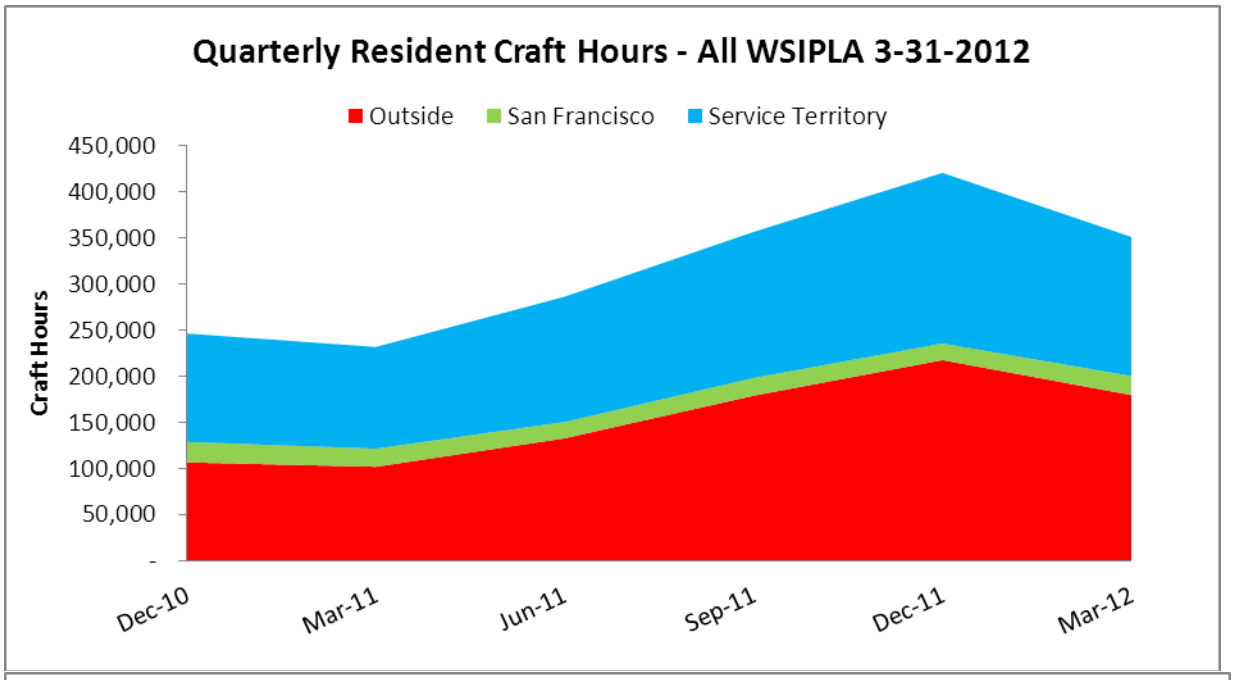
San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
Craft Employment Summary for the Quarter Ended March 30, 2012
Employment Summary - Cumulative and Last Six Quarters

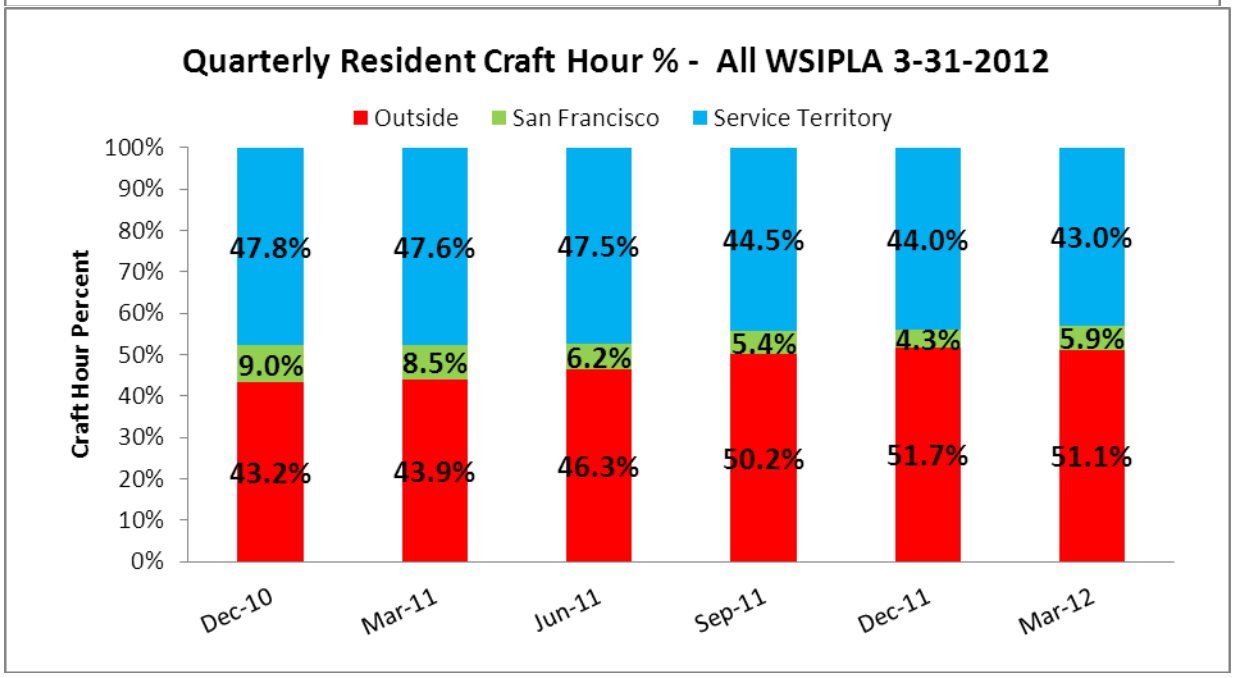
	Cumulative thru March 2012	QE 12-31-10	QE 3-31-11	QE 6-30-11	QE 9-30-11	QE 12-31-11	QE 3-31-12
Craft Worker Earnings							
LABORER	$ 32,190,591	$3,093,041	$2,674,631	$ 3,097,885	$ 3,847,992	$ 4,448,075	$ 3,200,573
OPERATING ENGINEER	24,711,960	1,859,211	1,863,953	2,480,039	3,200,937	3,806,764	3,325,745
CARPENTER	11,743,103	863,916	605,962	822,137	1,314,162	1,720,678	784,363
ELECTRICIAN	7,789,510	623,209	716,541	738,656	732,547	850,409	998,040
TUNNEL WORKER	6,975,854	83,713	82,934	535,894	1,078,623	1,826,051	1,901,685
PLUMBER	5,951,582	536,790	898,068	1,133,764	675,884	407,301	1,266,813
TEAMSTER	5,863,600	613,682	434,561	416,759	806,285	754,035	493,486
IRON WORKER	4,439,140	369,603	554,124	294,044	471,137	462,103	272,681
BOILERMAKER	2,912,338	277,132	279,293	403,245	500,274	463,990	377,321
PILE DRIVER	1,907,826		65,939	112,786	325,164	571,310	490,333
CEMENT MASON	1,380,721	139,837	84,973	87,201	157,268	278,221	137,057
PAINTER	1,302,023	139,056	145,848	71,568	147,486	248,376	167,766
ROOFER	1,041,585	150,534	81,210	352,741	47,892	46,279	37,029
FIELD SURVEYOR	310,234	16,892	31,473	33,215	64,312	52,145	58,891
SHEET METAL WORKER	298,161	39,952	18,838	14,152	15,161	32,768	25,226
ASBESTOS WORKER	158,837	7,080	10,692	33,881	23,904	57,838	13,794
BRICKLAYER	141,985	27,460	17,701	21,552	2,831	15,756	8,504
ELECTRICAL UTILITY LINEMAN	115,752	2,282	8,104		14,501	60,327	27,430
GLAZIER	40,843	5,367	1,340	670	712	4,833	12,152
TELECOMMUNICATIONS TECH	37,245	12,552	21,964	2,730			
PLASTERER	25,173	14,325	10,020	827			
SLURRY SEAL WORKER	4,644	4,644					
TILE SETTER	4,277	1,481	2,565	116		116	
TILE FINISHER	2,783	780	2,003				
TERRAZZO WORKER	1,286						1,286
	$109,351,052	$8,882,538	$8,612,739	$10,653,861	$13,427,071	$16,107,373	$13,600,175
Craft Hours Worked							
LABORER	1,078,322	102,647	87,862	102,548	128,001	148,787	108,195
OPERATING ENGINEER	631,135	48,883	48,704	63,227	81,423	95,401	82,898
CARPENTER	293,741	21,052	15,066	20,261	32,192	41,123	19,192
TUNNEL WORKER	173,770	2,420	2,308	14,115	27,179	42,743	45,165
ELECTRICIAN	161,022	14,782	15,457	14,815	14,592	17,090	19,249
PLUMBER	132,758	12,796	21,055	26,750	13,764	7,656	27,045
IRON WORKER	130,399	10,824	15,574	8,667	14,150	12,767	7,526
TEAMSTER	103,136	10,352	7,013	7,469	14,011	13,536	9,458
BOILERMAKER	64,509	5,888	6,141	8,904	11,382	10,368	8,452
CEMENT MASON	39,644	4,166	2,308	2,458	4,409	7,738	3,919
PILE DRIVER	36,940		996	2,613	6,619	9,793	10,251
PAINTER	36,123	3,929	3,553	1,794	4,110	7,086	4,997
ROOFER	30,944	4,835	2,092	9,683	1,513	1,328	1,075
FIELD SURVEYOR	7,462	517	827	637	1,489	1,243	1,478
SHEET METAL WORKER	6,941	967	403	330	377	735	582
ASBESTOS WORKER	5,835	224	502	1,451	971	1,677	480
BRICKLAYER	3,703	734	477	487	90	336	213
ELECTRICAL UTILITY LINEMAN	2,120	38	159		259	1,103	500
TELECOMMUNICATIONS TECH	1,160	403	693	64			
GLAZIER	884	96	32	16	17	113	311
PLASTERER	762	435	304	24			
SLURRY SEAL WORKER	199	199					
TILE FINISHER	128	35	93				
TILE SETTER	115	37	72	3		3	
TERRAZZO WORKER	31						31
	2,941,778	246,255	231,688	286,313	356,546	420,620	351,016

Worker Residence on the WSIPLA

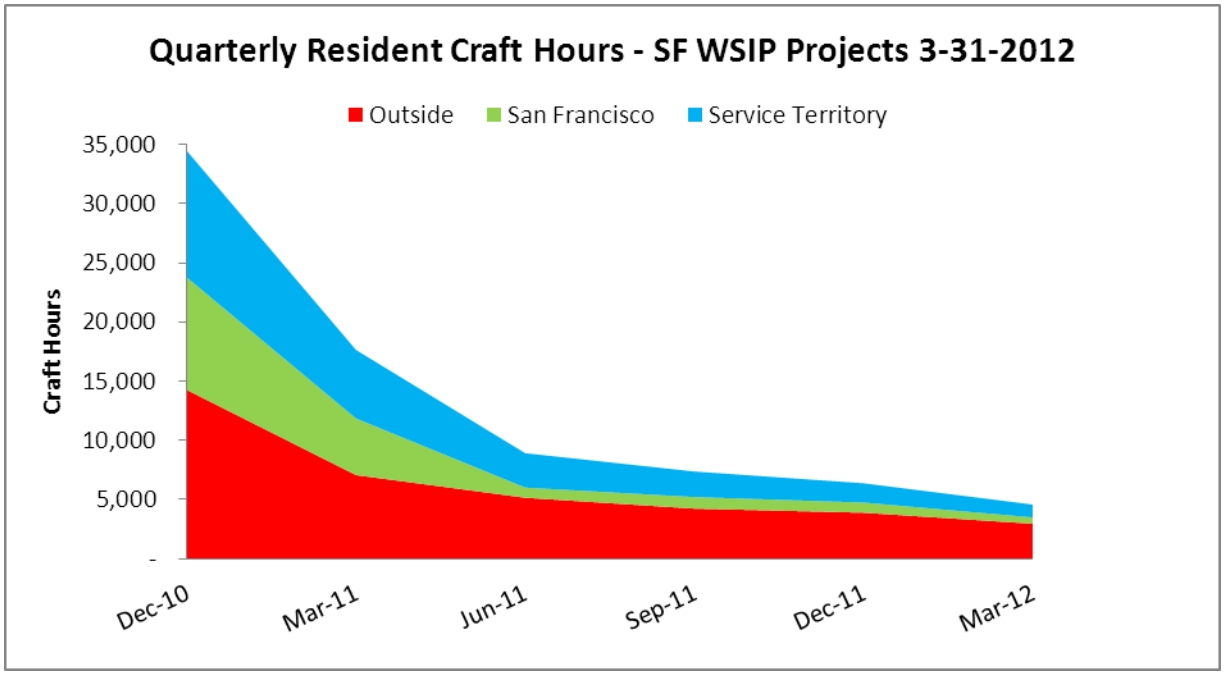
The following charts and tables summarize PLA-Covered craft hours recorded in the Elations Certified Payroll System through March 31, 2012. The Service Territory is defined as zip codes outside San Francisco within which the SFPUC wholesale water customers deliver water, plus zip codes impacted by WSIP construction.

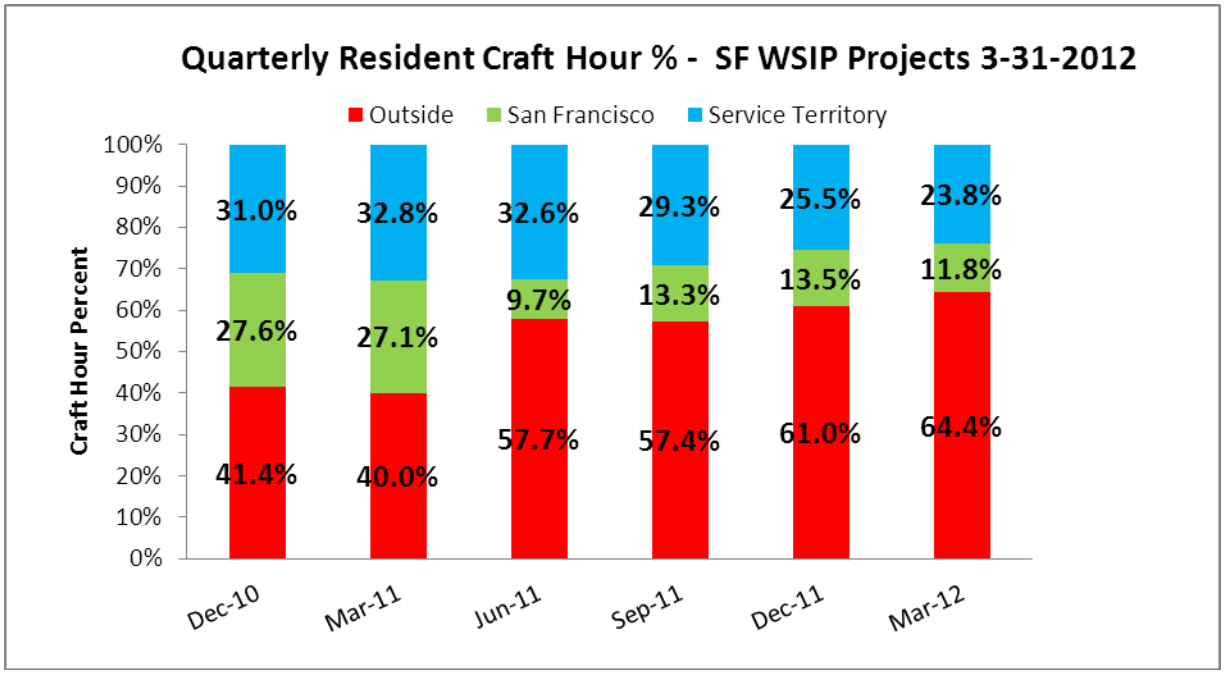
All WSIPLA- Covered Projects



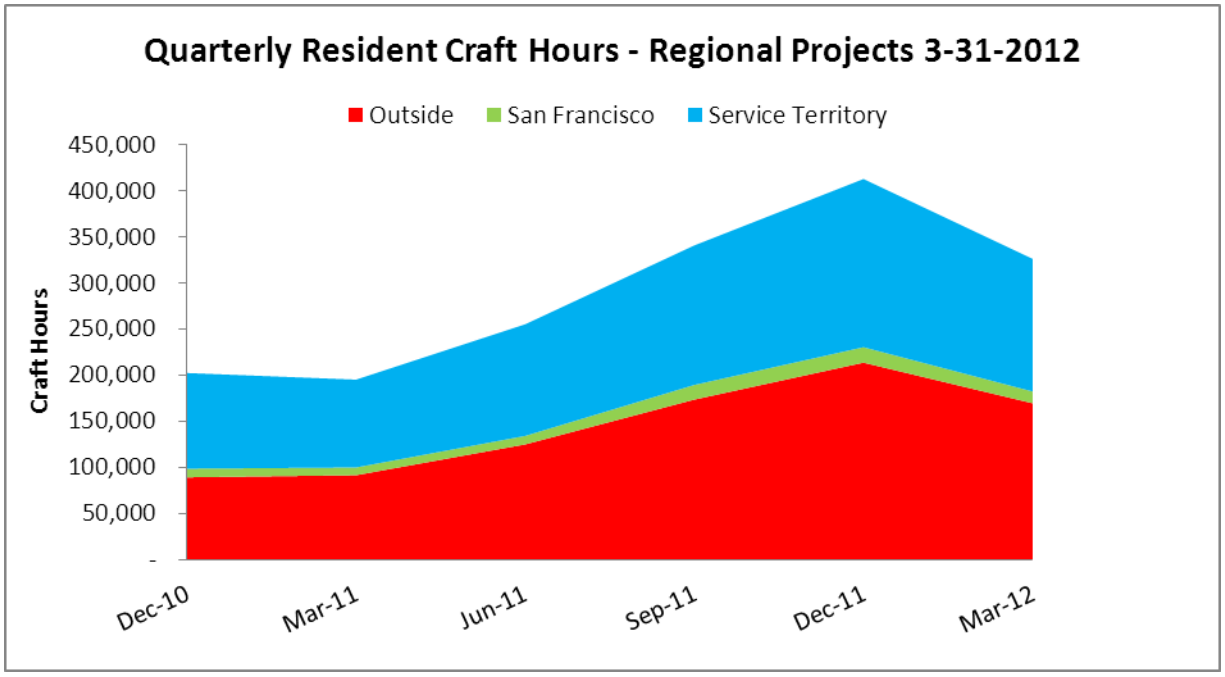


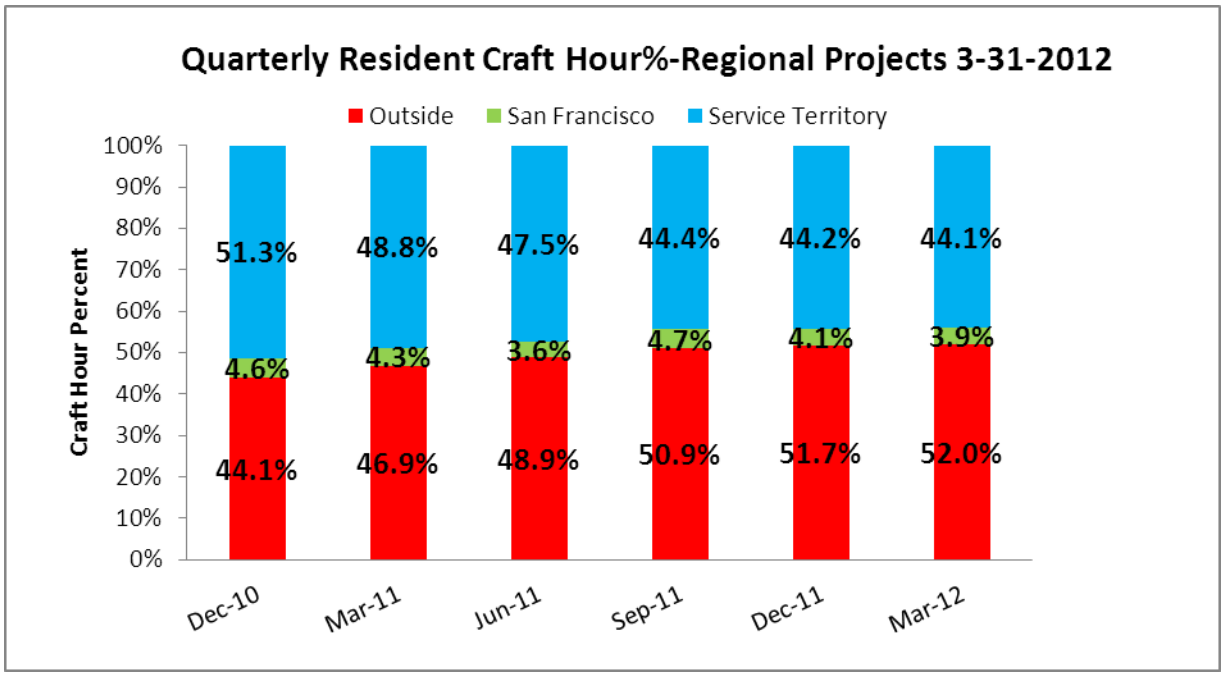
SF Local WSIP Projects:



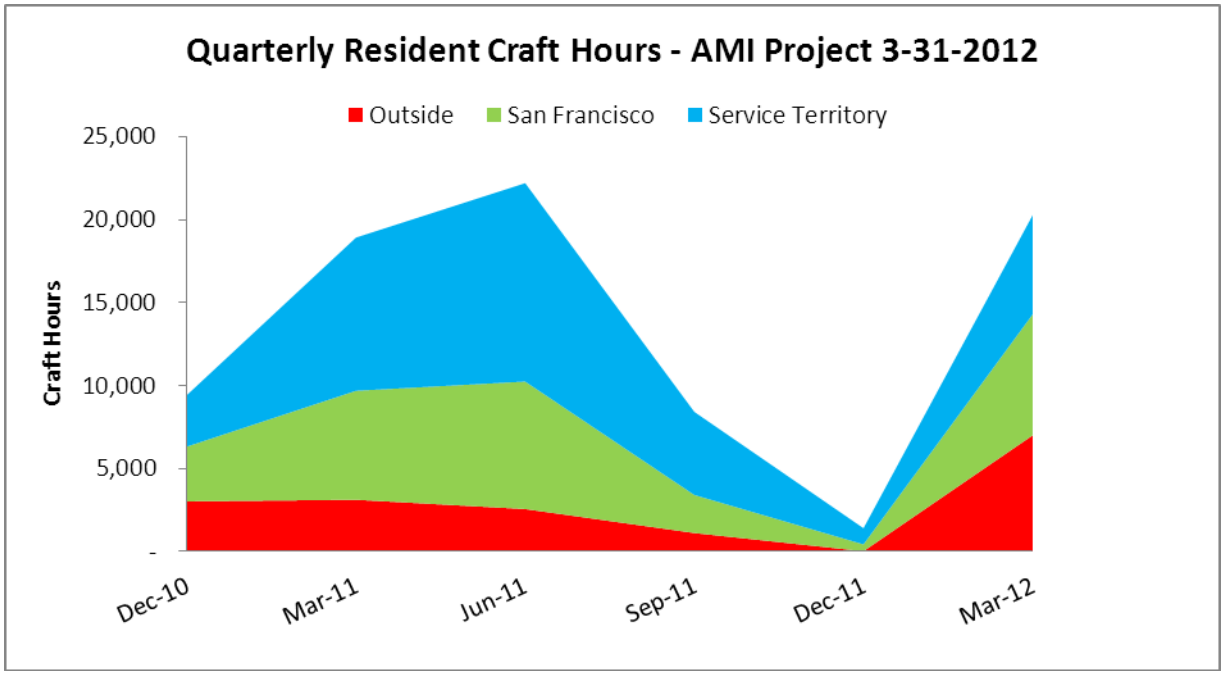


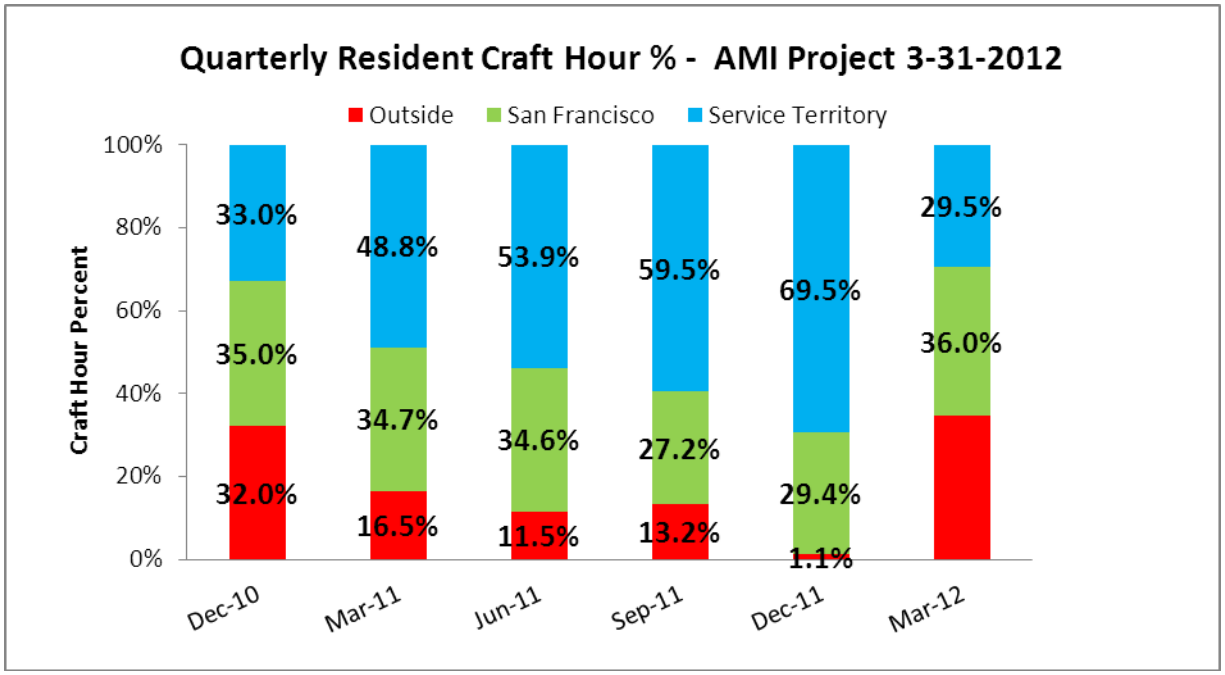
Regional WSIP Projects:





Advanced Meter Infrastructure Project:





Craft Worker Residence by Craft – All WSIPLA Covered Projects

San Francisco Public Utilities Commission
Water System Improvement Program Project Labor Agreement
Craft Hour Summary for the Quarter Ended March 31, 2012
Employment Summary - Cumulative Employment of Residents by Craft

Craft	Total Hours	San Francisco	Service Territory	Outside	% San Francisco	% Service Territory
LABORER	1,078,322	85,132	484,153	509,036	7.9%	44.9%
OPERATING ENGINEER	631,135	36,177	266,278	328,680	5.7%	42.2%
CARPENTER	293,741	40,923	130,102	122,717	13.9%	44.3%
TUNNEL WORKER	173,770	2,963	66,719	104,088	1.7%	38.4%
ELECTRICIAN	161,022	16,867	91,945	52,210	10.5%	57.1%
PLUMBER	132,758	33,530	53,993	45,235	25.3%	40.7%
IRON WORKER	130,399	11,187	52,251	66,961	8.6%	40.1%
TEAMSTER	103,136	13,444	65,141	24,552	13.0%	63.2%
BOILERMAKER	64,509	454	13,834	50,221	0.7%	21.4%
CEMENT MASON	39,644	981	20,779	17,884	2.5%	52.4%
PILE DRIVER	36,940	2,230	5,937	28,774	6.0%	16.1%
PAINTER	36,123	708	3,482	31,934	2.0%	9.6%
ROOFER	30,944	2,004	16,150	12,791	6.5%	52.2%
FIELD SURVEYOR	7,462	996	3,486	2,980	13.3%	46.7%
SHEET METAL WORKER	6,941	392	4,893	1,656	5.6%	70.5%
ASBESTOS WORKER	5,835	41	552	5,242	0.7%	9.5%
BRICKLAYER	3,703		2,750	953	0.0%	74.3%
ELECTRICAL UTILITY LINEMAN	2,120		94	2,026	0.0%	4.4%
TELECOMMUNICATIONS TECHN	1,160		1,088	72	0.0%	93.8%
GLAZIER	884	127	260	497	14.4%	29.4%
PLASTERER	762	738	24		96.9%	3.1%
SLURRY SEAL WORKER	199		85	114	0.0%	42.8%
TILE FINISHER	128		128		0.0%	100.0%
TILE SETTER	115		113	2	0.0%	98.3%
TERRAZZO WORKER	31			31	0.0%	0.0%
Total WSIPLA	2,941,778	248,890	1,284,233	1,408,654	8.5%	43.7%

Craft Worker Residence by Project – All WSIPLA Covered Projects

San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
Craft Employment Summary for the Quarter Ended March 31, 2012
Employment Summary - Cumulative Employment of Residents by Project

	Total Hours	San Francisco	Service Territory	Outside	% San Francisco	% Service Territory
BDPL 5 Peninsula	253,509	2,809	117,163	133,537	1.1%	46.2%
SVWTP	252,580	8,856	113,918	129,807	3.5%	45.1%
New Irvington Tunnel	237,090	739	104,261	132,091	0.3%	44.0%
BDPL5 East Bay	208,016	14,163	84,390	109,463	6.8%	40.6%
U Mound Res	187,030	50,004	51,702	85,324	26.7%	27.6%
Bay Tunnel	142,778	4,488	81,513	56,777	3.1%	57.1%
Tesla	141,279	2,724	96,058	42,497	1.9%	68.0%
Alameda Siphon 4	128,354	1,450	58,030	68,874	1.1%	45.2%
CSSA	119,735	8,667	39,410	71,658	7.2%	32.9%
NCSBT	117,860	6,825	64,924	46,112	5.8%	55.1%
Lower CS Dam	92,080	5,832	53,335	32,913	6.3%	57.9%
Advanced Meter	89,740	29,965	40,034	19,741	33.4%	44.6%
San Andreas Pipe 3	83,075	6,271	27,755	49,049	7.5%	33.4%
San Joaquin Crossovers	82,096	158	44,277	37,661	0.2%	53.9%
Lake Merced Pump	79,489	19,117	24,585	35,787	24.0%	30.9%
HTWTP LTI	78,477	2,995	32,864	42,619	3.8%	41.9%
SJPL West	75,160	409	32,628	42,123	0.5%	43.4%
Stanford Heights	74,284	11,120	20,114	43,051	15.0%	27.1%
Alemany Pump	73,664	7,878	28,780	37,005	10.7%	39.1%
CSPL2	56,070	16,266	16,330	23,474	29.0%	29.1%
NU Mound System	53,265	10,250	18,221	24,795	19.2%	34.2%
Calaveras Dam	49,223	88	13,875	35,260	0.2%	28.2%
Pulgas Roof	47,357	5,126	23,861	18,370	10.8%	50.4%
HTWTP Short Term	43,049	7,220	12,845	22,984	16.8%	29.8%
BDPL 3&4 Crossover	27,473	7,925	7,511	12,038	28.8%	27.3%
Forest Knolls Pump	26,441	3,844	8,140	14,457	14.5%	30.8%
Noe Valley Trans	22,511	3,918	8,054	10,539	17.4%	35.8%
Baden San Pedro	19,937	4,570	13,421	1,947	22.9%	67.3%
SJPL East	19,844	37	7,371	12,436	0.2%	37.1%
Harding	18,635	4,483	10,679	3,473	24.1%	57.3%
San Antonio Pump	14,916	101	11,985	2,831	0.7%	80.3%
Roselle	12,859		8,789	4,070	0.0%	68.3%
Standby Power	11,275	182	6,599	4,494	1.6%	58.5%
SCADA II	1,498	113	605	781	7.6%	40.3%
BHR - San Antonio Creek	842	228	206	408	27.1%	24.4%
Homestead Pond	198	72	3	123	36.4%	1.5%
Test Wells	89			89	0.0%	0.0%
Total WSIPLA	2,941,778	248,890	1,284,233	1,408,654	8.5%	43.7%

Craft Worker Residence by County – All WSIPLA Covered Projects

San Francisco Public Utilities Commission
WSIP - Project Labor Agreement
Covered Employment by County of Residence
Inception Through March 31, 2012

	Craft Hours			Wages	% Craft Hours			
County	AMI	WSIP	Total PLA	Total PLA	AMI	WSIP	Total PLA	FTE's
Alameda	3,579	555,770	559,349	$ 19,721,941	4.0%	19.5%	19.0%	268.9
Contra Costa	1,675	389,214	390,888	14,290,910	1.9%	13.6%	13.3%	187.9
San Joaquin	2,196	294,075	296,271	10,238,262	2.4%	10.3%	10.1%	142.4
San Mateo	34,015	237,687	271,701	10,866,528	37.9%	8.3%	9.2%	130.6
San Francisco	29,965	218,925	248,890	9,263,814	33.4%	7.7%	8.5%	119.7
Santa Clara	754	186,676	187,430	6,818,926	0.8%	6.5%	6.4%	90.1
Stanislaus		142,385	142,385	4,994,910	0.0%	5.0%	4.8%	68.5
Sacramento		115,342	115,342	4,466,986	0.0%	4.0%	3.9%	55.5
Out of State	9,558	87,948	97,506	4,503,401	10.7%	3.1%	3.3%	46.9
Solano	371	94,826	95,196	3,417,281	0.4%	3.3%	3.2%	45.8
Sonoma	4,177	56,123	60,300	2,291,610	4.7%	2.0%	2.0%	29.0
Butte		49,499	49,499	1,927,109	0.0%	1.7%	1.7%	23.8
Calaveras		44,122	44,122	1,752,405	0.0%	1.5%	1.5%	21.2
Fresno		34,238	34,238	1,159,068	0.0%	1.2%	1.2%	16.5
Tuolumne		32,768	32,768	1,228,330	0.0%	1.1%	1.1%	15.8
San Bernardino		29,720	29,720	1,220,229	0.0%	1.0%	1.0%	14.3
Riverside		26,533	26,533	1,106,493	0.0%	0.9%	0.9%	12.8
Los Angeles		22,535	22,535	889,186	0.0%	0.8%	0.8%	10.8
Merced		22,241	22,241	772,339	0.0%	0.8%	0.8%	10.7
Monterey		19,147	19,147	668,522	0.0%	0.7%	0.7%	9.2
Napa		19,102	19,102	773,806	0.0%	0.7%	0.6%	9.2
Placer		18,585	18,585	757,847	0.0%	0.7%	0.6%	8.9
Madera		18,149	18,149	693,756	0.0%	0.6%	0.6%	8.7
Yolo		15,828	15,828	544,068	0.0%	0.6%	0.5%	7.6
El Dorado		14,301	14,301	514,441	0.0%	0.5%	0.5%	6.9
Shasta		12,514	12,514	475,695	0.0%	0.4%	0.4%	6.0
Orange		10,798	10,798	496,852	0.0%	0.4%	0.4%	5.2
Santa Cruz		10,626	10,626	414,291	0.0%	0.4%	0.4%	5.1
Amador		8,141	8,141	303,071	0.0%	0.3%	0.3%	3.9
San Diego	854	7,070	7,924	351,778	1.0%	0.2%	0.3%	3.8
San Luis Obispo		6,998	6,998	312,278	0.0%	0.2%	0.2%	3.4
San Benito		6,828	6,828	240,308	0.0%	0.2%	0.2%	3.3
Marin	2,558	3,908	6,466	288,374	2.9%	0.1%	0.2%	3.1
Yuba		6,130	6,130	243,079	0.0%	0.2%	0.2%	2.9
Kern		5,439	5,439	189,335	0.0%	0.2%	0.2%	2.6
Imperial		4,980	4,980	225,742	0.0%	0.2%	0.2%	2.4
Mariposa		4,916	4,916	211,845	0.0%	0.2%	0.2%	2.4
Nevada		4,789	4,789	197,886	0.0%	0.2%	0.2%	2.3
Sutter		3,857	3,857	142,586	0.0%	0.1%	0.1%	1.9
Tehama		2,561	2,561	98,408	0.0%	0.1%	0.1%	1.2
Kings		1,876	1,876	74,028	0.0%	0.1%	0.1%	0.9
Siskiyou		1,383	1,383	57,821	0.0%	0.0%	0.0%	0.7
Mendocino	40	990	1,030	41,315	0.0%	0.0%	0.0%	0.5
Santa Barbara		779	779	37,440	0.0%	0.0%	0.0%	0.4
Lake		549	549	19,867	0.0%	0.0%	0.0%	0.3
Inyo		497	497	15,009	0.0%	0.0%	0.0%	0.2
Humboldt		349	349	20,403	0.0%	0.0%	0.0%	0.2
Colusa		108	108	2,962	0.0%	0.0%	0.0%	0.1
Plumas		93	93	3,142	0.0%	0.0%	0.0%	0.0
Ventura		45	45	2,394	0.0%	0.0%	0.0%	0.0
Sierra		36	36	1,109	0.0%	0.0%	0.0%	0.0
Trinity		25	25	1,527	0.0%	0.0%	0.0%	0.0
Tulare		20	20	338	0.0%	0.0%	0.0%	0.0
Total WSIPLA	89,740	2,852,038	2,941,778	$ 109,351,052	100.0%	100.0%	100.0%	1,414

Craft Employment of San Francisco Residents by Zip Code:

San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
Craft Hour Summary for the Quarter Ended March 31, 2012
Employment Summary - San Francisco Residents by Zip Code

	Hours			Wages	% Hours			
Zip Code	AMI	WSIP	Total PLA	Total PLA	AMI	WSIP	Total PLA	FTE's
94112	7,690	29,508	37,198	$1,333,050	25.7%	13.5%	14.9%	17.9
94110	348	33,440	33,788	1,091,581	1.2%	15.3%	13.6%	16.2
94124	8,154	22,134	30,288	1,169,752	27.2%	10.1%	12.2%	14.6
94116	757	29,142	29,898	1,513,495	2.5%	13.3%	12.0%	14.4
94134	5,096	21,836	26,932	810,519	17.0%	10.0%	10.8%	12.9
94122	1,660	16,815	18,475	773,696	5.5%	7.7%	7.4%	8.9
94103		10,375	10,375	325,954		4.7%	4.2%	5.0
94127		8,950	8,950	337,851		4.1%	3.6%	4.3
94121	2,213	5,431	7,644	288,440	7.4%	2.5%	3.1%	3.7
94117	489	5,702	6,191	159,256	1.6%	2.6%	2.5%	3.0
94102	2,334	2,932	5,266	211,528	7.8%	1.3%	2.1%	2.5
94132	8	5,123	5,131	219,995	0.0%	2.3%	2.1%	2.5
94118	351	3,290	3,641	158,527	1.2%	1.5%	1.5%	1.8
94133		3,346	3,346	114,761		1.5%	1.3%	1.6
94131	32	3,132	3,164	157,743	0.1%	1.4%	1.3%	1.5
94114		3,095	3,095	112,620		1.4%	1.2%	1.5
94107		2,924	2,924	99,268		1.3%	1.2%	1.4
94108		2,875	2,875	59,410		1.3%	1.2%	1.4
94109		2,514	2,514	73,346		1.1%	1.0%	1.2
94130		2,510	2,510	51,416		1.1%	1.0%	1.2
94164		977	977	25,485		0.4%	0.4%	0.5
94128		704	704	55,752		0.3%	0.3%	0.3
94142	380	261	641	26,513	1.3%	0.1%	0.3%	0.3
94115	8	548	556	18,781	0.0%	0.3%	0.2%	0.3
94123	446	50	496	24,939	1.5%	0.0%	0.2%	0.2
94129		447	447	13,106		0.2%	0.2%	0.2
94140		288	288	11,589		0.1%	0.1%	0.1
94166		191	191	14,325		0.1%	0.1%	0.1
94188		133	133	5,045		0.1%	0.1%	0.1
94104		129	129	2,750		0.1%	0.1%	0.1
94111		112	112	2,917		0.1%	0.0%	0.1
94125		8	8	225		0.0%	0.0%	0.0
94158		8	8	178		0.0%	0.0%	0.0
	29,965	218,925	248,890	$9,263,814	100.0%	100.0%	100.0%	119.7

Apprentice Utilization

The WSIPLA encourages participating contractors to employ apprentices in the ratios specified by the State of California, Division of Apprenticeship Standards, generally 16.67% of craft hours calculated at the end of the job for each apprenticeable trade. The principal non-apprenticeable trades employed on the WSIPLA are Teamsters and Tunnel Workers.

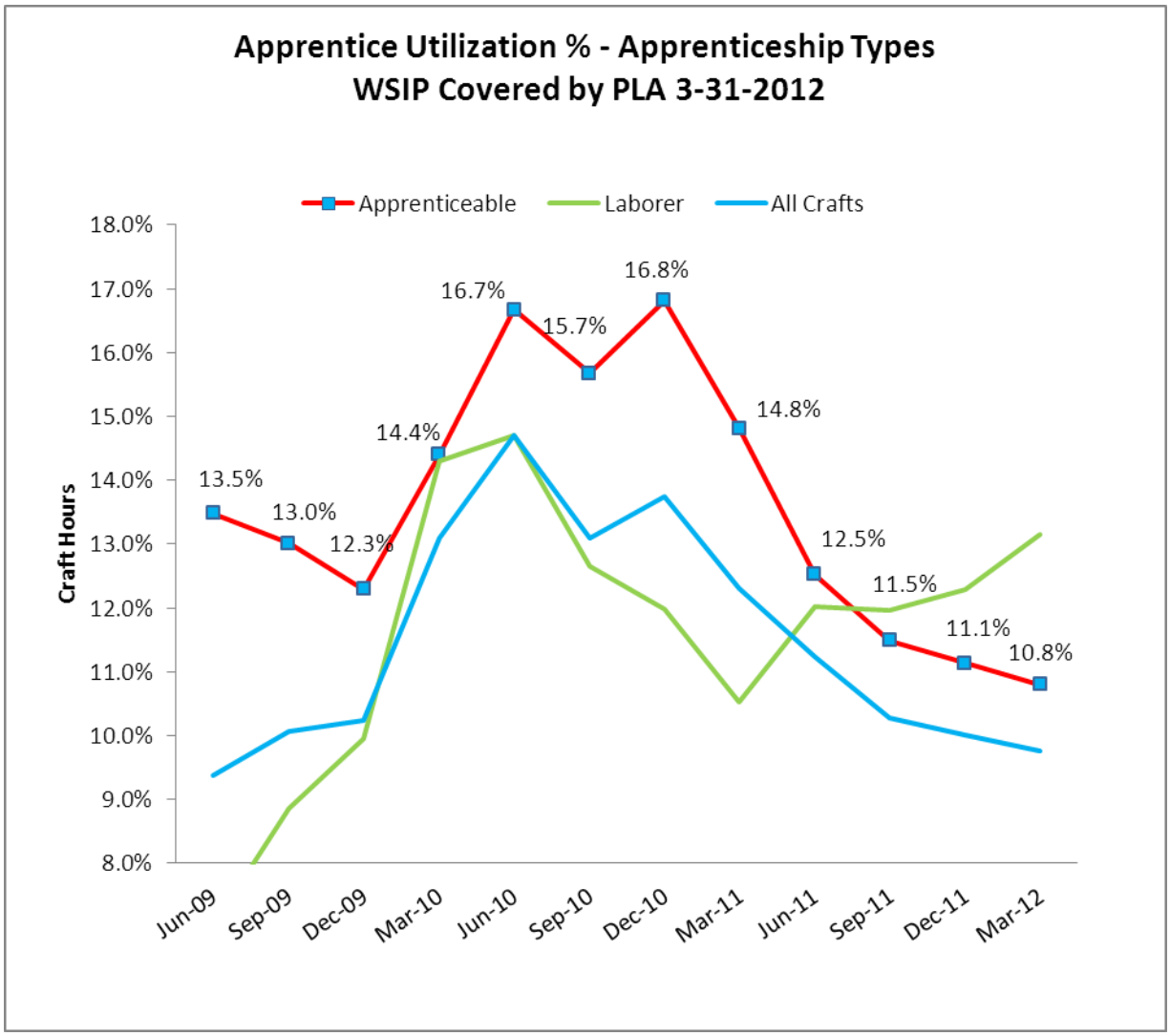
San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
Craft Employment Summary for the Quarter Ended March 31, 2012
Apprentice Utilization on the WSIPLA - By Craft

		Apprentice Hours				Apprentice Utilization		
Craft/Program	Total Hours	Apprentice Hours	San Francisco	Service Territory	Outside	% All Apprentices	% San Francisco	% Service Territory
OPERATING ENGINEER	631,135	63,735	15,015	32,633	16,088	10.1%	2.4%	5.2%
CARPENTER	293,741	45,645	16,456	17,409	11,781	15.5%	5.6%	5.9%
ELECTRICIAN	161,022	32,478	5,124	22,166	5,189	20.2%	3.2%	13.8%
IRON WORKER	130,399	29,247	7,073	11,983	10,192	22.4%	5.4%	9.2%
BOILERMAKER	64,509	1,905	40	1,229	636	3.0%	0.1%	1.9%
PLUMBER	43,018	8,681	1,952	3,714	3,016	20.2%	4.5%	8.6%
CEMENT MASON	39,644	1,544	643	117	784	3.9%	1.6%	0.3%
PILE DRIVER	36,940	857	134	289	434	2.3%	0.4%	0.8%
PAINTER	36,123	5,536	405	114	5,017	15.3%	1.1%	0.3%
ROOFER	30,944	8,655	1,121	3,969	3,565	28.0%	3.6%	12.8%
FIELD SURVEYOR	7,462	73		49	24	1.0%	0.0%	0.7%
SHEET METAL WORKER	6,941	691		513	178	10.0%	0.0%	7.4%
BRICKLAYER	3,703	671		383	288	18.1%	0.0%	10.3%
ELECTRICAL UTILITY LINEMAN	2,120	69		69		3.3%	0.0%	3.3%
GLAZIER	884	135	119	16		15.3%	13.5%	1.8%
PLASTERER	762					0.0%	0.0%	0.0%
TILE FINISHER	128					0.0%	0.0%	0.0%
TILE SETTER	115					0.0%	0.0%	0.0%
TERRAZZO WORKER	31					0.0%	0.0%	0.0%
Total Apprenticeable	1,489,617	199,921	48,081	94,650	57,190	13.4%	3.2%	6.4%
LABORER	1,078,322	123,497	17,460	89,297	16,740	11.5%	1.6%	8.3%
Non-Apprenticeable								
TUNNEL WORKER	173,770							
TEAMSTER	103,136							
ASBESTOS WORKER	5,835							
TELECOMMUNICATIONS TECH	1,160							
SLURRY SEAL WORKER	199							
Total Non-Apprenticeable	284,099							
Total WSIP	2,852,038	323,418	65,541	183,947	73,929	11.3%	2.3%	6.4%
AMI								
PLUMBER	89,740	28,307	10,169	16,212	1,927	31.5%	11.3%	18.1%
Total WSIPLA	2,941,778	351,725	75,710	200,159	75,856	12.0%	2.6%	6.8%

San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
Craft Employment Summary for the Quarter Ended March 31, 2012
Apprentice Utilization on the WSIPLA - By Project

	All Craft Workers				Apprentices			Apprentice Utilization %	
Project	Apprenticeable Trades	Laborer	Non-Apprenticeable	Total Craft Hours	Apprenticeable Trades	Laborer	Total Apprentice Hours	Apprenticeable Trades	Laborer
BDPL 5 Peninsula	85,815	142,098	25,596	253,509	6,574	18,614	25,188	7.7%	13.1%
SVWTP	151,699	92,257	8,625	252,580	24,265	10,330	34,595	16.0%	11.2%
New Irvington Tunnel	106,172	39,304	91,614	237,090	8,238	9,160	17,398	7.8%	23.3%
BDPL5 East Bay	89,028	107,667	11,322	208,016	10,008	10,150	20,157	11.2%	9.4%
U Mound Res	106,330	79,502	1,199	187,030	23,851	6,500	30,350	22.4%	8.2%
Bay Tunnel	65,191	27,952	49,636	142,778	5,118	6,850	11,968	7.9%	24.5%
Tesla	97,582	42,115	1,582	141,279	16,503	10,335	26,838	16.9%	24.5%
Alameda Siphon 4	75,276	45,081	7,997	128,354	11,654	8,918	20,572	15.5%	19.8%
CSSA	77,797	38,276	3,662	119,735	8,264	3,519	11,783	10.6%	9.2%
NCSBT	63,888	11,634	42,339	117,860	12,361	5,252	17,612	19.3%	45.1%
Lower CS Dam	39,115	52,959	6	92,080	4,575	3,522	8,097	11.7%	6.6%
San Andreas Pipe 3	28,638	42,922	11,516	83,075	3,994	5,317	9,311	13.9%	12.4%
San Joaquin Crossov	52,181	29,180	735	82,096	5,311	3,788	9,099	10.2%	13.0%
Lake Merced Pump	58,595	19,555	1,339	79,489	9,671	26	9,697	16.5%	0.1%
HTWTP LTI	43,939	32,731	1,808	78,477	5,825	3,451	9,276	13.3%	10.5%
SJPL West	39,168	27,703	8,289	75,160	2,414	4,243	6,657	6.2%	15.3%
Stanford Heights	40,434	33,851		74,284	9,134	757	9,891	22.6%	2.2%
Alemany Pump	53,924	19,691	48	73,664	7,322	223	7,544	13.6%	1.1%
CSPL2	20,774	30,239	5,057	56,070	2,506	1,989	4,495	12.1%	6.6%
NU Mound System	14,383	31,800	7,082	53,265	743	2,255	2,998	5.2%	7.1%
Calaveras Dam	25,186	22,407	1,630	49,223	2,275	1,343	3,618	9.0%	6.0%
Pulgas Roof	32,538	14,564	255	47,357	6,619	673	7,292	20.3%	4.6%
HTWTP Short Term	22,692	20,358		43,049	2,089		2,089	9.2%	0.0%
BDPL 3&4 Crossover	18,496	8,978		27,473	2,575	100	2,674	13.9%	1.1%
Forest Knolls Pump	17,165	9,243	33	26,441	2,888	19	2,907	16.8%	0.2%
Noe Valley Trans	6,021	14,423	2,067	22,511		1,133	1,133	0.0%	7.9%
Baden San Pedro	11,044	8,550	344	19,937	949	1,788	2,737	8.6%	20.9%
SJPL East	13,483	6,361		19,844	536	900	1,436	4.0%	14.1%
Harding	6,822	11,808	5	18,635	681	780	1,461	10.0%	6.6%
San Antonio Pump	8,241	6,539	137	14,916	859	939	1,798	10.4%	14.4%
Roselle	7,968	4,729	163	12,859	1,384	559	1,943	17.4%	11.8%
Standby Power	9,046	2,230		11,275	626		626	6.9%	0.0%
SCADA II	728	771		1,498	115		115	15.8%	0.0%
BHR - San Antonio C	241	585	16	842			-	0.0%	0.0%
Homestead Pond	24	174		198		72	72	0.0%	41.4%
Test Wells		89		89			-	0.0%	0.0%
Total WSIP	1,489,617	1,078,322	284,099	2,852,038	199,921	123,497	323,418	13.4%	11.5%
Advanced Meter	89,740			89,740	28,307		28,307	31.5%	0.0%
Total WSIPLA	1,579,357	1,078,322	284,099	2,941,778	228,228	123,497	351,725	14.5%	11.5%

The following chart indicates quarterly apprentice utilization over the three years ended March 31, 2012 for Apprenticeable Trades, Laborers, and all Crafts combined.



Employment of Low-Income Residents

As of March 31, 2012, SFPUC and City staff had placed 228 low-income Apprentices and 94 low-income Journeymen on PLA-Covered Projects including the WSIP and the Advanced Meter Infrastructure Project. These 320 individuals represent 7.2% of the total hours worked and 5.1% of the wages earned by workers covered by the WSIPLA.

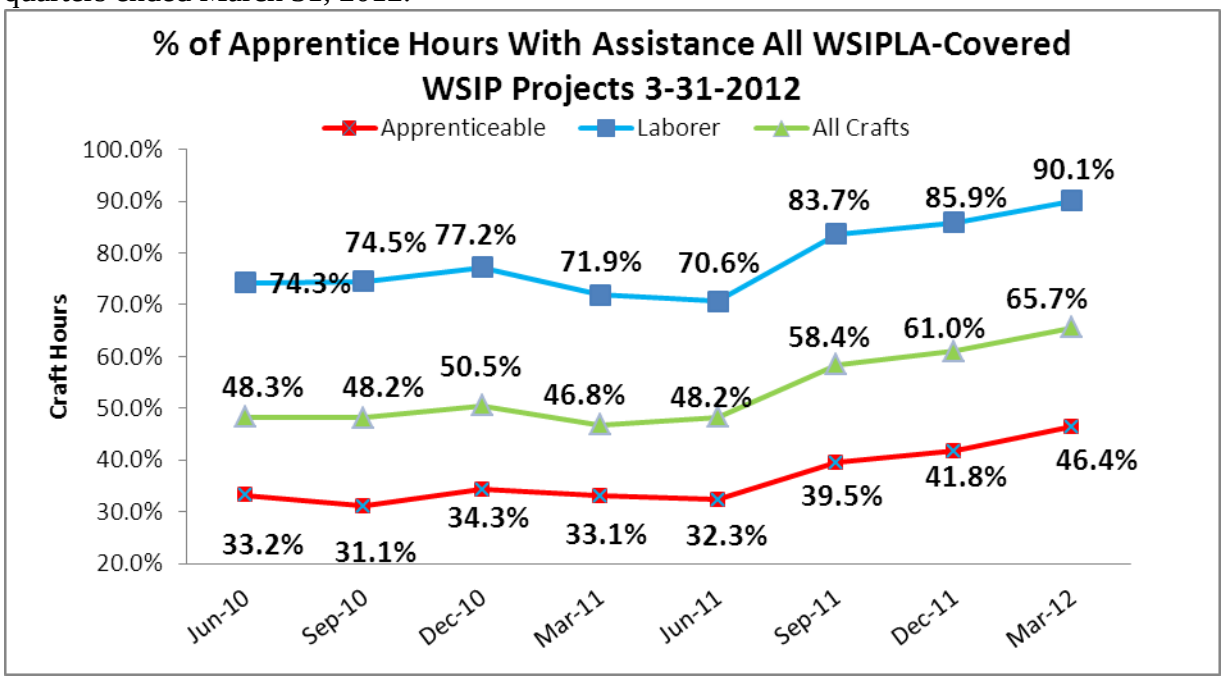
Water System Improvement Program
Assisted Placement in PLA-Covered WSIP Projects and Advance Meter Infrastructure Project
By Pre-Apprenticeship Training Program
PLA Inception (Stanford Heights Reservoir) through March 31, 2012

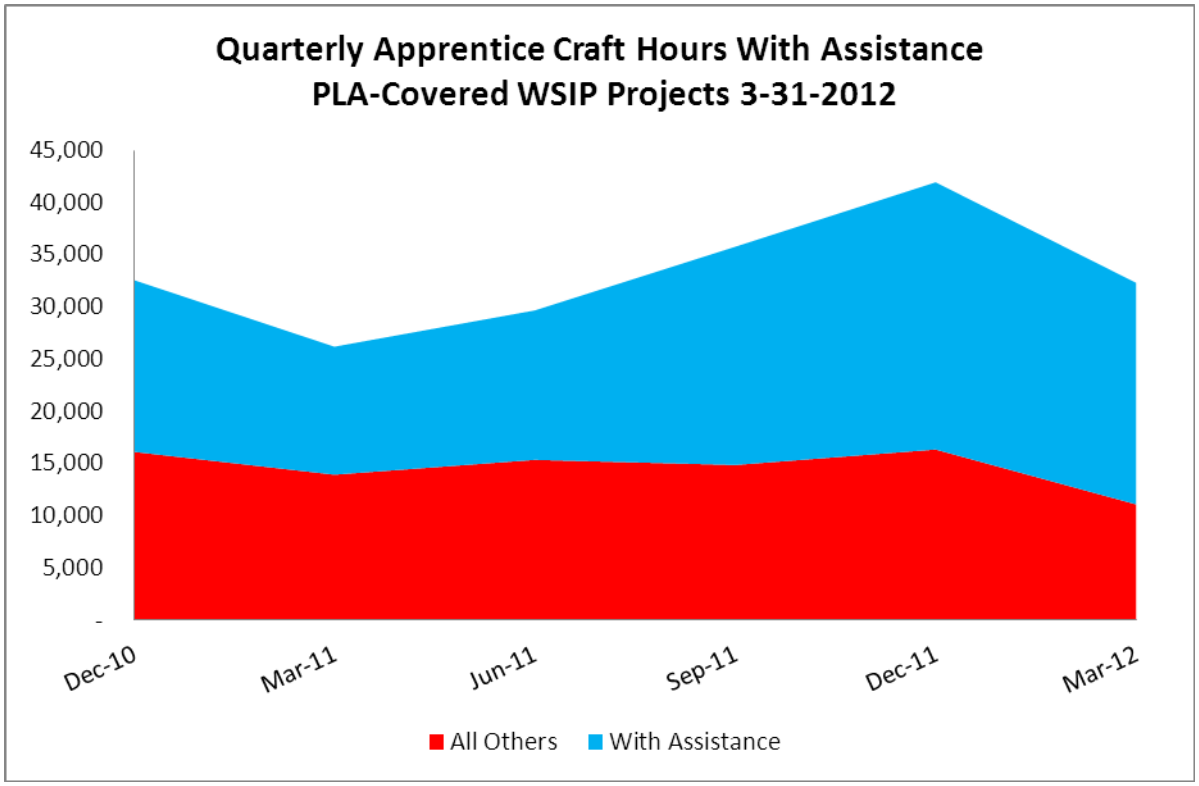
Referring Agency	Workers	Hours	Wages	% Workers	% Hours	% Wages
Pre-Apprenticeship Training						
CityBuild Academy	38	21,963	$ 533,972	4.53%	6.24%	5.96%
Cypress Mandela Training Center, Inc.	18	20,140	445,261	2.15%	5.73%	4.97%
Helmets to Hardhats	1	3,339	80,910	0.12%	0.95%	0.90%
Job Train's Project Build	26	30,444	661,405	3.10%	8.66%	7.38%
Northern California Construction and Training Inc.	1	1,253	22,752	0.12%	0.36%	0.25%
San Joaquin County Office of Ed. YouthBuild	9	9,890	206,873	1.07%	2.81%	2.31%
Total Pre-Apprenticeship Graduates	93	87,028	1,951,172	11.08%	24.74%	21.76%
General Referral/Assistance						
CityBuild	48	20,494	517,487	5.72%	5.83%	5.77%
SFPUC	87	59,529	1,470,642	10.37%	16.92%	16.40%
Total General Referral/Assistance	135	80,023	1,988,129	16.09%	22.75%	22.18%
Total Assisted Apprentice Placements	228	167,050	3,939,301	27.18%	47.49%	43.94%
Unassisted Apprentices	611	184,675	5,026,305	72.82%	52.51%	56.06%
Total Apprentices	839	351,725	8,965,606	100.00%	100.00%	100.00%
Journeyman Assistance						
CityBuild	67	31,002	1,223,417	1.14%	1.20%	1.22%
Cypress Mandela Training Center, Inc.	2	260	6,891	0.03%	0.01%	0.01%
Job Train's Project Build	4	2,104	61,556	0.07%	0.08%	0.06%
San Joaquin County Office of Ed. YouthBuild	1	262	6,018	0.02%	0.01%	0.01%
SFPUC	20	9,782	345,241	0.34%	0.38%	0.34%
Total Assisted Journeyman Placements	94	43,409	1,643,123	1.60%	1.68%	1.64%
Unassisted Journeymen	5772	2,546,644	98,742,323	98.40%	98.32%	98.36%
Total Journeymen	5866	2,590,053	100,385,446	100.00%	100.00%	100.00%
Total Workforce						
Pre-Apprenticeship Training						
CityBuild Academy	38	21,963	533,972	0.57%	0.75%	0.49%
Cypress Mandela Training Center, Inc.	18	20,140	445,261	0.27%	0.68%	0.41%
Helmets to Hardhats	1	3,339	80,910	0.01%	0.11%	0.07%
Job Train's Project Build	26	30,444	661,405	0.39%	1.03%	0.60%
Northern California Construction and Training Inc.	1	1,253	22,752	0.01%	0.04%	0.02%
San Joaquin County Office of Ed. YouthBuild	9	9,890	206,873	0.13%	0.34%	0.19%
Total Pre-Apprenticeship Graduates	93	87,028	1,951,172	1.39%	2.96%	1.78%
General Referral/Assistance						
CityBuild	115	51,495	1,740,904	1.72%	1.75%	1.59%
Cypress Mandela Training Center, Inc.		260	6,891	0.00%	0.01%	0.01%
Job Train's Project Build	4	2,104	61,556	0.06%	0.07%	0.06%
San Joaquin County Office of Ed. YouthBuild	1	262	6,018	0.01%	0.01%	0.01%
SFPUC	107	69,311	1,815,883	1.60%	2.36%	1.66%
Total General Referral/Assistance	227	123,431	3,631,252	1.61%	2.36%	1.67%
Total Assisted Placements	320	210,459	5,582,424	4.77%	7.15%	5.11%
All Others	6383	2,731,319	103,768,628	95.23%	92.85%	94.89%
Total Workforce	6703	2,941,778	$109,351,052	100.00%	100.00%	100.00%

San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
Assisted Employment by Project
WSIPLA Inception through March 31, 2012

	Project Total Craft Hours			Assisted Craft Hours			% Assisted		
Project	Apprentice	Journey	Total	Apprentice	Journey	Total	Apprentice	Journey	Total
Advanced Meter Infrastructure	28,307	61,433	89,740	3,028	11,899	14,926	10.7%	19.4%	16.6%
Alameda Siphon No. 4	20,572	107,783	128,354	16,507	54	16,561	80.2%	0.1%	12.9%
Alemany Pump Station	7,544	66,120	73,664	2,671	530	3,201	35.4%	0.8%	4.3%
Baden and San Pedro Valve Lot	2,737	17,201	19,937	2,057	82	2,139	75.2%	0.5%	10.7%
Bay Tunnel	11,968	130,811	142,778	9,584	286	9,870	80.1%	0.2%	6.9%
BDPL 5 - East Bay	20,157	187,859	208,016	10,675	1,052	11,726	53.0%	0.6%	5.6%
BDPL 5 - Peninsula	25,188	228,322	253,509	19,780	1,703	21,483	78.5%	0.7%	8.5%
BDPL Nos. 3&4 Crossover	2,674	24,799	27,473	855	30	885	32.0%	0.1%	3.2%
BHR - San Antonio Creek		842	842		76	76	0.0%	9.0%	9.0%
Calaveras Dam	3,618	45,605	49,223	3,035		3,035	83.9%	0.0%	6.2%
Crystal Springs / San Andreas	11,783	107,952	119,735	5,824	1,850	7,673	49.4%	1.7%	6.4%
Crystal Springs Pipe # 2	4,495	51,575	56,070	3,782	1,478	5,260	84.1%	2.9%	9.4%
Forest Knolls Pump Station	2,907	23,534	26,441	1,888		1,888	64.9%	0.0%	7.1%
Harding Park	1,461	17,174	18,635	1,080	74	1,154	73.9%	0.4%	6.2%
Harry Tracy Long Term Impr	9,276	69,201	78,477	5,699	12	5,711	61.4%	0.0%	7.3%
Harry Tracy WTP Short Term	2,089	40,961	43,049	1,329	183	1,512	63.6%	0.4%	3.5%
Homestead Pond, San Andreas Res	72	126	198			-	0.0%	0.0%	0.0%
Lake Merced Pump Station	9,697	69,792	79,489	3,508	7,446	10,954	36.2%	10.7%	13.8%
Lower Crystal Springs Dam	8,097	83,983	92,080	6,306	406	6,711	77.9%	0.5%	7.3%
New Crystal Springs Bypass Tunnel	17,612	100,248	117,860	112	236	348	0.6%	0.2%	0.3%
New Irvington Tunnel	17,398	219,692	237,090	12,741	3,647	16,387	73.2%	1.7%	6.9%
Noe Valley Transmission Main	1,133	21,378	22,511	981		981	86.6%	0.0%	4.4%
North U Mound System	2,998	50,268	53,265	2,550	106	2,656	85.1%	0.2%	5.0%
Pulgas Rehab and Roof	7,292	40,065	47,357	1,458	1,242	2,700	20.0%	3.1%	5.7%
Roselle Crossovers	1,943	10,917	12,859	256	32	288	13.2%	0.3%	2.2%
San Andreas Pipeline No.3	9,311	73,764	83,075	7,673	458	8,130	82.4%	0.6%	9.8%
San Antonio Pump Station	1,798	13,119	14,916	931		931	51.8%	0.0%	6.2%
San Joaquin Crossovers	9,099	72,998	82,096	3,408	262	3,669	37.5%	0.4%	4.5%
San Joaquin Pipeline West	6,657	68,504	75,160	4,430	130	4,559	66.5%	0.2%	6.1%
San Joaquin Pipe East	1,436	18,408	19,844	1,386	1,072	2,457	96.5%	5.8%	12.4%
SCADA System Phase II	115	1,383	1,498			-	0.0%	0.0%	0.0%
Standby Power Facilities	626	10,649	11,275			-	0.0%	0.0%	0.0%
Stanford Heights Reservoir	9,891	64,393	74,284	1,336	981	2,317	13.5%	1.5%	3.1%
Sunol Valley WTP	34,595	217,985	252,580	14,630	164	14,794	42.3%	0.1%	5.9%
Tesla Treatment Facility	26,838	114,441	141,279	2,743		2,743	10.2%	0.0%	1.9%
Test Well Drilling		89	89			-	0.0%	0.0%	0.0%
University Mound Reservoir	30,350	156,680	187,030	14,817	7,924	22,740	48.8%	5.1%	12.2%
Total WSIPLA	351,725	2,590,053	2,941,778	167,050	43,409	210,459	47.49%	1.68%	7.15%

The following charts summarize the employment on all WSIPLA-Covered Projects (WSIP and AMI) of Apprentices hired with the assistance of WSIPLA staff for the eight quarters ended March 31, 2012.





Substance Abuse Prevention

The WSIPLA 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 WSIPLA substance abuse prevention policy to all contractor employees working at the job site.

As of March 31, 2012, 7,430 pre-employment tests had been administered to people who were cleared to work. 104 people failed to pass pre-employment tests and consequently were prevented from working. The following table summarizes the results of the Substance Abuse Prevention Program as of March 31, 2012.

San Francisco Public Utilities Commission
WSIP - Project Labor Agreement
Substance Abuse Testing Summary
Tests Administered to Individuals Cleared to Work Through March 31, 2012

Project	Number Cleared
Crystal Spings San Andreas Transmission System	555
Harry Tracy HTWTP	520
Bay Division Pipeline #5 - East Bay Reaches	499
Sunol Valley Water Treatment Plant	496
Lake Merced Pump Station	453
New Irvington Tunnel	396
Tesla Treatment Facility Project	378
Alemany Pump Station Upgrade	375
Bay Tunnel Project	328
University Mound Reservoir North Basin Seismic	319
Bay Division Reliability Upgrade Pipeline #5	288
Calaveras Dam Replacement	265
Alameda Siphon #4	230
New Crystal Springs Bypass Tunnel	212
Stanford Heights Reservoir Project	199
San Joaquin Pipeline System-Western Segment	197
San Joaquin Pipeline Crossovers	188
Pulgas Balancing Reservoir Structural Rehabilitati	184
San Andreas Pipeline #3	178
Advanced Meter Infrastructure	162
Bay Division 3 & 4 Crossover Facilities	138
Lower Crystal Springs Dam Improvements	123
Forest Knolls Pump Station Project	115
Harry Tracy Water Treatment Project	93
San Joaquin Pipeline System-Eastern Segment	89
Baden & San Pedro Valve Lot Improvements	86
San Antonio Pump Station Upgrade	70
Crystal Springs Pipeline No. 2 Replacement Project	69
Roselle Crossovers	63
North University Mound System Upgrade	55
Standby Power	30
Scada System Phase II	28
Noe Valley Transmission Main Phase II	27
Regional Groundwater Storage & Recovery Project	9
Harding Park Recycled Water Project	7
San Antonio Creek	6
SF PUC - PNC Participants	0
Total Cleared	7430

Positive Pre-Employment Tests Through March 31, 2012

Banned Substance	% Positive	# Positive
Alcohol	0.07%	5
Amphetamines	0.19%	14
Amphetamines/Dilute	0.03%	2
Benzodiazepines	0.04%	3
Cocaine	0.13%	10
Cocaine/Marijuana	0.01%	1
Marijuana	0.57%	43
Marijuana Amphetamines	0.01%	1
Methadone	0.03%	2
Opiates	0.03%	2
Opiates/Alcohol	0.01%	1
Phencyclidine	0.01%	1
Refused	0.25%	19
Total Positive	1.38%	104

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WSIP Craft Hour Estimate

The WSIP Craft Hour Estimate is based on estimated construction spending as of March 31, 2012. The WSIP program is expected to require a total of 8,841,050 craft hours, including 4,242,773 craft hours in twelve areas of construction activity in six Bay Area Counties from April 1, 2012 through completion in 2016. The WSIP Craft Hour Model indicates that more than half of WSIP craft hours had been worked as of March 31, 2012 (48.0% of hours remaining as of April 1, 2012). The model indicates that 3,755,315 hours were worked on WSIPLA-Covered Projects as of March 31, 2012, which is 131.7% of the 2,852,038 hours recorded in the Elations system for WSIPLA-Covered Projects as of that date. Modeled hours are expected to be higher than actual hours at the program midpoint because total project hours are recognized in the model on a straight-line basis over the life of each project, and several of the largest projects will not reach peak employment until after March 31, 2012.

San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
WSIP Craft Hour Forecast as of March 31, 2012

Craft Area	Alameda	San Francisco	San Joaquin	San Mateo	Santa Clara	Stanislaus	Total
Carpentry	96,166	39,730	1,191	93,114	1,436	7,248	238,886
Concrete	416,694	180,418	4,253	261,181	4,567	8,629	875,742
Electrical	69,421	144,283	5,563	155,048	6,058	13,874	394,246
Heavy Equipment Operation	476,751	378,744	2,666	145,877	4,539	56,795	1,065,372
Masonry	23,385	69,469	2,859	20,147	2,880	-	118,740
Mechanical	217,623	128,299	4,450	143,473	6,351	57,265	557,461
Painting	39,980	67,190	2,765	8,510	3,334	16,826	138,605
Roofing	28,768	35,012	1,441	1,715	1,452	-	68,388
Sheet Metal	7,029	35,012	1,441	937	1,452	-	45,870
Structural Steel	60,565	101,684	3,722	34,327	3,996	7,550	211,845
Trucking & Hauling	213,331	79,272	1,540	17,611	2,163	18,745	332,663
Underground Tunnel Work	194,955	-	-	-	-	-	194,955
	1,844,667	1,259,115	31,890	881,941	38,228	186,931	4,242,773

San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
WSIP Craft Hour Forecast as of March 31, 2012

County	2012 - Nine Months	2013	2014	2015	2016	Total WSIP
Alameda	687,524	760,729	251,843	122,037	22,533	1,844,667
San Francisco	110,877	188,792	518,295	422,422	18,730	1,259,115
San Joaquin	31,890	-	-	-	-	31,890
San Mateo	377,522	347,835	138,249	18,336	-	881,941
Santa Clara	16,807	14,281	7,140	-	-	38,228
Stanislaus	156,816	30,115	-	-	-	186,931
Grand Total	1,381,436	1,341,752	915,527	562,795	41,263	4,242,773

San Francisco Public Utilities Commission
Water System Improvement Program - Project Labor Agreement
WSIP Craft Hour Forecast as of March 31, 2012

	2012 - Nine Months	2013	2014	2015	2016	Total WSIP
Carpentry	80,140	90,622	46,419	20,131	1,573	238,886
Concrete	303,184	312,944	175,593	80,475	3,546	875,742
Electrical	110,138	111,293	101,389	66,478	4,949	394,246
Heavy Equipment Operation	311,334	340,842	267,077	137,726	8,392	1,065,372
Masonry	31,613	26,917	27,986	30,537	1,687	118,740
Mechanical	206,354	167,301	100,604	73,701	9,501	557,461
Painting	36,528	29,491	33,519	35,415	3,652	138,605
Roofing	8,727	28,939	14,481	15,391	850	68,388
Sheet Metal	8,365	6,909	14,356	15,391	850	45,870
Structural Steel	60,142	51,204	51,291	46,106	3,103	211,845
Trucking & Hauling	90,796	119,529	77,734	41,445	3,159	332,663
Underground Tunnel Work	134,116	55,760	5,079	-	-	194,955
Grand Total	1,381,436	1,341,752	915,527	562,795	41,263	4,242,773

Web-Based Labor Compliance Program

All SFPUC construction projects including those covered by the WSIPLA 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.

Governance

The parties to the WSIPLA 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 JAC also established the Job Training Opportunities Program (JTOP) to promote the employment and training of SFPUC 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 expected 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 WSIPLA's Jurisdictional Dispute Resolution procedure is invoked to prevent delay or disruption in the work due to jurisdictional disputes. To date, all jurisdictional disputes have been resolved without delay or disruption in the work

Legislative History of the WSIPLA

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 Francisco Board of Supervisors adopted Resolution 350-03

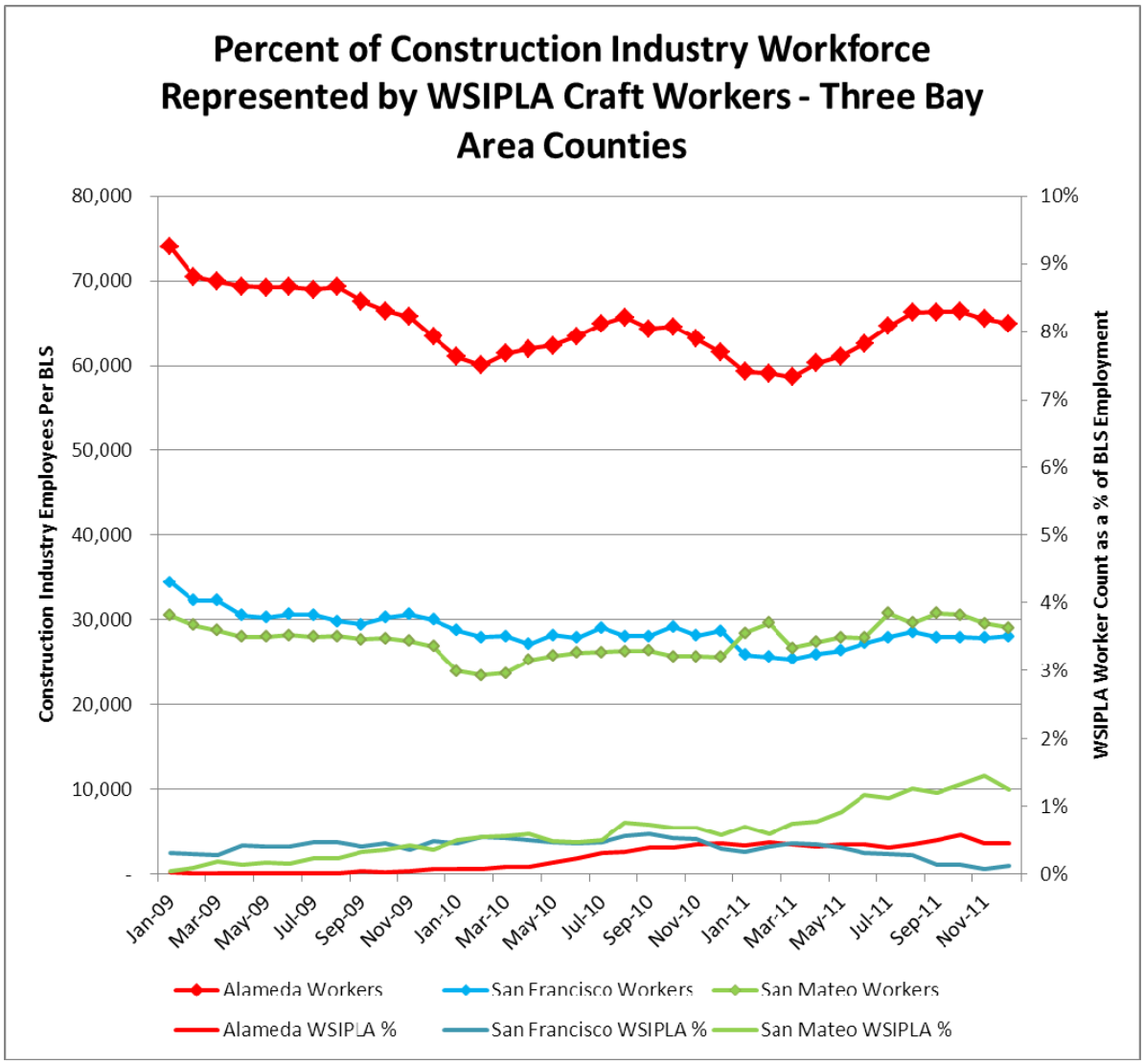
urging the SFPUC to include social justice components in the Project Labor Agreement covering the Hetch Hetchy Water System upgrade. On May 11, 2006 the San Francisco Board of Supervisors amended the San Francisco Administrative Code to establish a PUC Small firm Advisory Committee to provide for the 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 WSIPLA.

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; mitigates 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 WSIPLA). The WSIPLA 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 WSIPLA 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 WSIPLA 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.

Note Regarding the Bay Area Labor Market

The United States Bureau of Labor Statistics (the BLS) publishes a Quarterly Census of Employment and Wages (the QCEW) which includes an estimate of the number of individuals employed in the construction industry in each County in California in the pay period that includes the twelfth day of the calendar month. The following chart compares the QCEW employee estimate to the number of construction workers reported in the Elations Certified Payroll System as employed on WSIPLA covered projects in the counties of Alameda, San Francisco, and San Mateo during the weekly pay period that

includes the twelfth day of the month. The QCEW estimates all workers in the Construction Industry, including Engineers, Architects, Administrative Workers and others, so the comparison with WSIPLA-covered craft workers will understate the impact of the WSIPLA on the local construction workforce. Note that no QCEW estimates had been released for 2012 at the time this report was prepared.