



**SEWER
SYSTEM**
IMPROVEMENT PROGRAM
Grey. Green. Clean.

Sewer System Improvement Program Project Labor Agreement Quarterly Report

**January 1, 2022, through March 31, 2022
(Third Quarter FY 2021-2022)**

SFPUC
Infrastructure Division
Workforce and Economic Program Services Bureau
525 Golden Gate Avenue, 9th Floor
San Francisco, CA 94102

SEWER SYSTEM IMPROVEMENT PROGRAM | Grey. Green. Clean.

San Francisco Public Utilities Commission
Sewer System Improvement Program Project Labor Agreement Quarterly Report
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Definitions

City	City and County of San Francisco
OEWD	The Office of Economic and Workforce Development for the City and County of San Francisco
OSP	Oceanside Water Pollution Control Plant
Outside	All ZIP Codes where workers reside not within San Francisco or the San Francisco Public Utilities Commission's Service Territory
SEP	Southeast Water Pollution Control Plant
SFPUC	San Francisco Public Utilities Commission
SFPUC Regional Service Territory	265 ZIP Codes (established in San Francisco Public Utilities Commission Local Business Enterprise Program Appendix 1) where the San Francisco Public Utilities Commission provides water delivery; excluding San Francisco ZIP Codes
SSIP	Sewer System Improvement Program
WEPS	Workforce and Economic Programs Services Bureau
WWE	Wastewater Enterprise

Executive Summary

Contracting and Employment Highlights – Program to Date:

- Forty-one (41) construction contracts, with a combined value of \$1.680 billion, have been awarded.
- 1,879,816 total craft hours have been worked by 5,402 workers who earned \$140.9 million in wages and benefits.
- 1,442 San Francisco residents worked 657,291 hours (35.0%) and earned over \$45.9 million in wages and benefits, exceeding the City’s Local Hiring requirement (20% to 30% on SSIP projects).
- 1,512 residents of the SFPUC’s Regional Service Territory worked 400,002 hours (21.3%) and earned over \$29.8 million in wages and benefits.

Table 1. Worker Highlights – Total Program

Region of Worker Residence	Inception Through March 31, 2022		
	Hours	Wages & Benefits	Worker Count
Outside	822,524	\$ 65,102,125	2,531
San Francisco	657,291	\$ 45,886,777	1,442
Service Territory	400,002	\$ 29,880,624	1,512
Grand Total	1,879,816	\$ 140,869,527	5,402

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Contracting and Employment Highlights – During the Quarter:

- One new SSIP contract was awarded during the quarter.
 - WW-648 Oceanside Water Pollution Control Plant Building 042 Primary Clarifier Improvements was awarded to Cal State Constructors for \$6,490,014 on February 8, 2022.

- 928 construction workers worked 145,032 hours and earned \$11.6 million in wages and benefits.

- 276 San Francisco residents worked 51,446 hours and earned \$3.6 million in wages and benefits.

- 236 SFPUC Service Territory residents worked 30,583 hours and earned \$2.4 million in wages and benefits.

Table 2. Summary of Craft Worker Employment During the Quarter

Region of Worker Residence	Three Months Ending March 31, 2022		
	Hours	Wages & Benefits	Worker Count
Outside	63,002	\$ 5,524,501	416
San Francisco	51,446	\$ 3,641,901	276
Service Territory	30,583	\$ 2,389,849	236
Grand Total	145,032	\$ 11,556,251	928

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Table 3. List of SSIP Construction Contracts

SSIP Construction Contracts				
Inception through March 31, 2022				
Contract Number	Project	Award Date	Prime Contractor	Original Contract Award
WW-648	Oceanside Water Pollution Control Plant Building 042 Primary Clarifier Improvements	2/8/2022	Cal State Constructors	\$ 6,490,014
WW-712	New Montgomery, Jessie, Minna, and Mission Street Brick Sewer Rehabilitation	5/11/2021	D'Arcy & Harty Construction, Inc.	\$ 4,888,750
WW-711	Wawona Area Stormwater Improvement and Vicente Street Water Main Replacement	4/13/2021	KJ Woods Construction Inc	\$ 29,132,100
WW-645R	Westside Pump Station Reliability Improvements	2/23/2021	Anvil Builders, Inc	\$ 48,328,300
WW-685R	North Shore Pump Station, Wet Weather Improvements	1/26/2021	Western Water Constructors	\$ 26,010,000
WW-703	Mission Street, 16th to Cesar Chavez, Brick Sewer Rehabilitation	8/25/2020	Cratus, Inc.	\$ 6,337,350
WW-662R	Southeast Water Pollution Control Plant Power Feed and Primary Switchgear Upgrades	7/28/2020	Blocka Construction, Inc	\$ 30,744,200
WW-702R	Jackson, Griffith, and Pierce Streets Combined Sewer Discharge Rehabilitation and Backflow Prevention	7/14/2020	Trinet Construction, Inc	\$ 3,886,300
WW-694	Lincoln Way/48th Ave Diversion Structure Modification	4/14/2020	Partnership Development Interest, LL	\$ 967,980
WW-696	Cargo Way Flush Line	2/25/2020	JMB Construction, Inc.	\$ 4,486,280
WW-687	Force Main Improvements at Embarcadero and Jackson	1/14/2020	Anvil Builders Inc.	\$ 5,986,222
WW-691	Sunset Boulevard Greenway -- Phase II Irving Street	7/23/2019	Minerca Construction, Inc	\$ 2,572,351
WW-665	SEP 042 Rehabilitation And Seismic Retrofit	6/25/2019	Western Water Constructors, Inc.	\$ 9,079,210
WW-683R	Sansome and Division Streets Combined Sewer Discharge Rehab	5/14/2019	Trinet Construction Inc	\$ 4,907,090
WW-682R	Southeast Community Center at 1550 Evans	1/22/2019	Charles Pankow Builders, Inc.	\$ 71,181,251
WW-627R	Baker Beach Green Streets	9/25/2018	Minerva Construction	\$ 7,122,000
WW-667	Mariposa Dry-Weather Pump Station	9/11/2018	Western Water Constructors, Inc.	\$ 17,031,000
WW-639	OSP Digester Gas Utilization Upgrades	8/28/2018	Monterey Mechanical	\$ 38,449,000
WW-674R	Geary Boulevard Sewer and Water Improvements	8/28/2018	JMB Construction, Inc.	\$ 16,246,547
WW-659	Greenhouse Demolition at 1150 Phelps Street/1800 Oakdale Avenue	2/27/2018	Azul Works, Inc.	\$ 1,638,000
WW-657R	Drumm & Jackson Streets Sewer Improvements	1/9/2018	Anvil Builders Inc.	\$ 5,240,900
WW-658	As-Needed Sewer Cleaning and Inspection of Large Sewers	8/8/2017	Pipe and Plant Solutions	\$ 2,694,000
WW-651	Griffith Pump Station Improvements	7/11/2017	Western Water Constructors, Inc.	\$ 10,941,000
WW-599R	SEP Cryogenic Oxygen Plant	6/13/2017	Cal State Constructors	\$ 6,547,000
WW-647R	SEP Biosolids Digester Facilities	5/9/2017	WH Constructors/Webcor Builders	\$ 932,715,777
WW-610R	Visitation Valley Green Nodes	2/28/2017	Minerva Construction	\$ 3,483,944
WW-653	Marin Street Sewer Replacement	2/28/2017	Ranger Pipelines, Inc.	\$ 4,860,250
WW-614R2	North Point Outfall Rehabilitation	1/10/2017	The Dutra Group	\$ 12,485,980
WW-632	SEP Existing Digester Gas Handling Improvements	1/10/2017	Monterey Mechanical Company	\$ 9,536,000
DB-126	WWE Distributed Control System Upgrades	12/13/2016	Emerson Process Management	\$ 20,425,000
WW-606R2	OSP Door and Building 930 Exterior Awning Improvements	12/13/2016	Trinet Construction, Inc.	\$ 4,049,000
WW-628	SEP New Headworks Facility	5/24/2016	Sundt/Walsh JV	\$ 224,652,224
WW-570	OSP and Westside Pump Station HVAC Upgrades	5/10/2016	Blocka Construction, Inc.	\$ 6,138,000
WW-613	SEP Building 521/522 and Disinfection Upgrades	1/26/2016	Western Water Constructors, Inc.	\$ 25,750,000
WW-626	SEP Primary and Secondary Clarifier Upgrades	1/12/2016	Monterey Mechanical Company	\$ 23,588,000
WW-605R	Mission and Valencia Streets Green Gateway	11/10/2015	Anvil Builders	\$ 2,949,013
WW-609R	Holloway Green Street Stormwater Improvements	9/22/2015	M Squared Construction, Inc.	\$ 5,591,892
WW-572R	Westside Pump Station Discharge Pipe Manifold Upgrade	6/24/2014	Cal State Constructors	\$ 4,145,047
WW-556	SEP Chemical System Relocation and Facility Upgrades	1/28/2014	NTK Construction, Inc.	\$ 14,025,000
WW-541	SEP Oxygen Generation Plant Replacement	12/11/2012	NTK Construction, Inc.	\$ 9,476,360
WW-483RR	N. Shore to Channel Force Main Improvements	4/24/2012	K.J. Woods Construction, Inc.	\$ 15,488,000
41 Projects				\$ 1,680,266,332

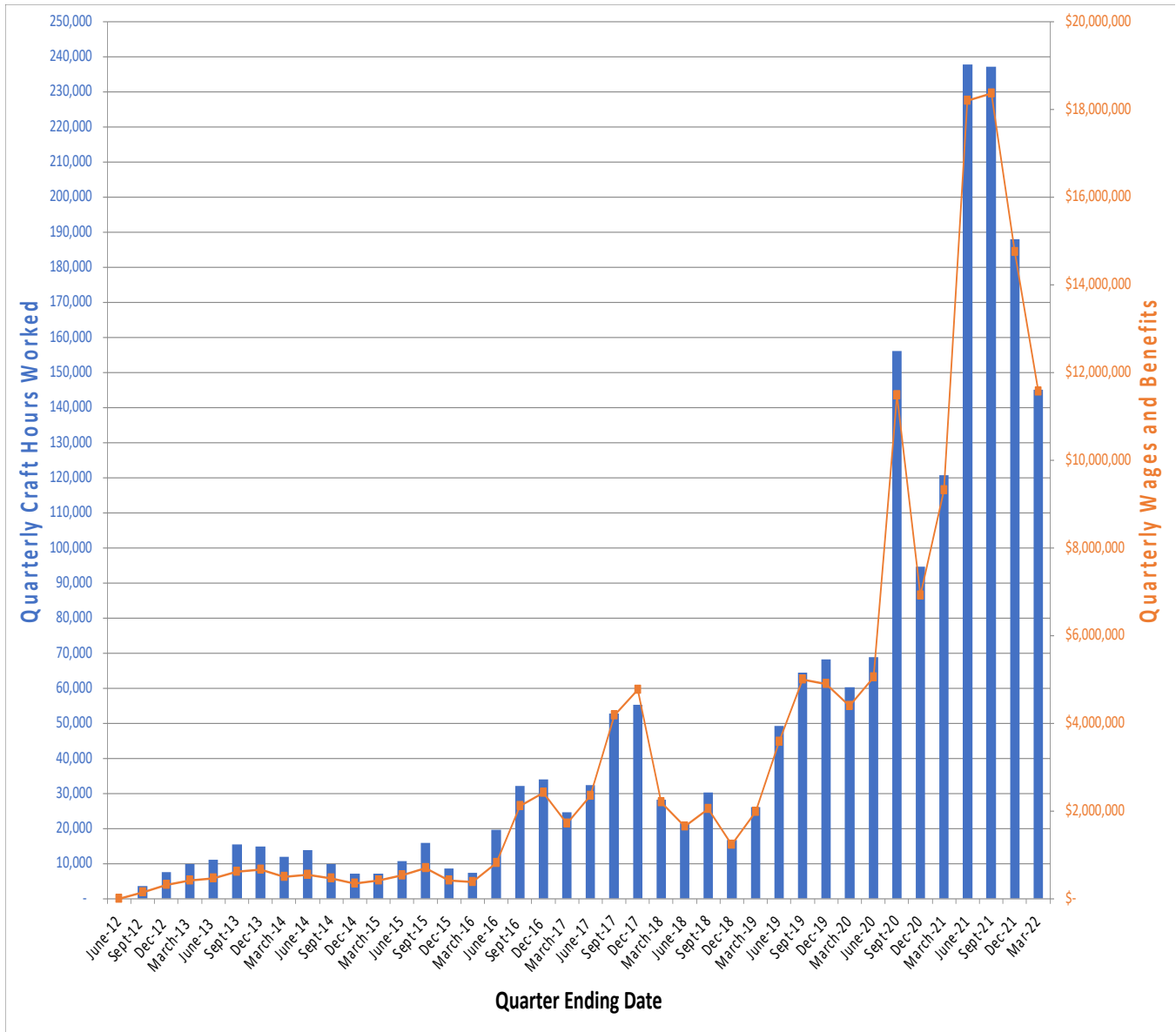
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Summary Tables and Charts

Craft Data

- During the quarter, construction workers worked 145,032 hours and earned \$11.6 million in wages and benefits.

Chart 1. Craft Hours and Wages



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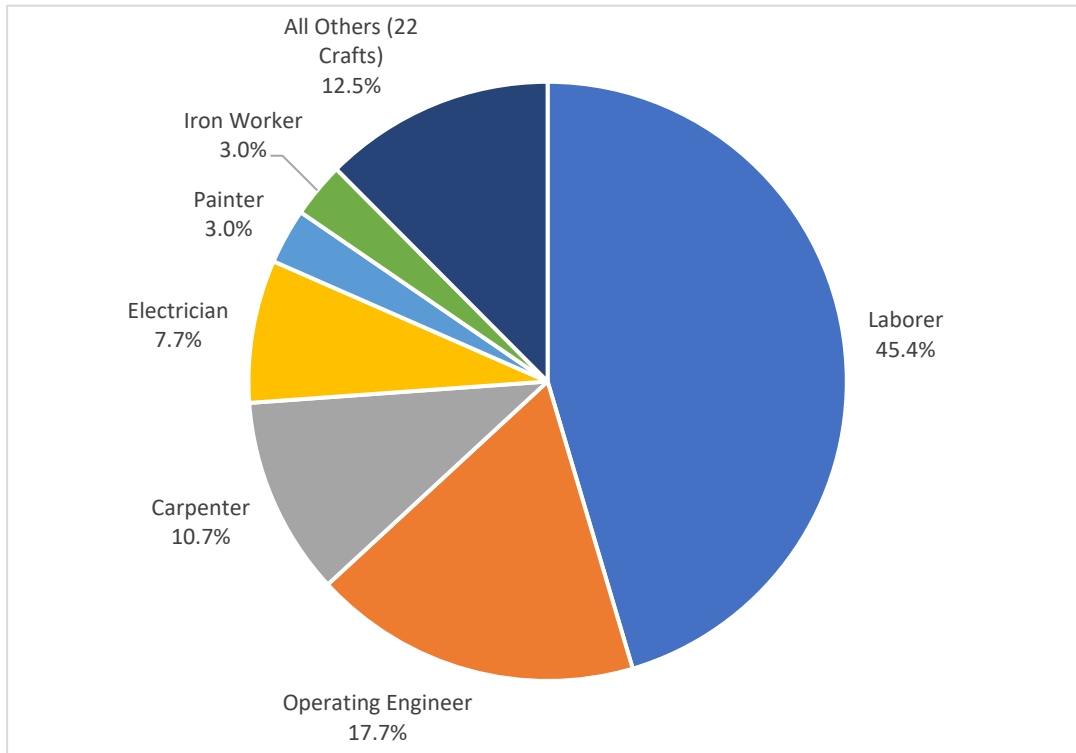
- 1,879,816 total craft hours have been worked by 5,485 workers who earned \$140.9 million in wages and benefits.
- Laborers, Operating Engineers, Carpenters, Electricians, Painters, and Iron Workers worked 87.5% of all hours, with over 1.6 million combined hours worked.

Table 4. Craft Utilization Table

Cumulative Employment by Craft				
Inception Through March 31, 2022				
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages
Laborer	853,775	\$ 51,064,236	45.4%	36.2%
Operating Engineer	333,123	\$ 29,223,466	17.7%	20.7%
Carpenter	201,494	\$ 16,899,400	10.7%	12.0%
Electrician	144,814	\$ 14,643,054	7.7%	10.4%
Painter	56,298	\$ 3,978,006	3.0%	2.8%
Iron Worker	55,800	\$ 3,940,914	3.0%	2.8%
Top 6 Crafts Sub-Total	1,645,304	\$ 119,749,077	87.5%	85.0%
Plumber	47,265	\$ 5,445,810	2.5%	3.9%
Cement Mason	33,542	\$ 2,302,591	1.8%	1.6%
Sheet Metal Worker	24,355	\$ 2,664,134	1.3%	1.9%
Pile Driver	20,417	\$ 2,158,854	1.1%	1.5%
Field Surveyor	20,190	\$ 1,424,994	1.1%	1.0%
Plasterer	10,633	\$ 817,535	0.6%	0.6%
Boilermaker	7,899	\$ 712,399	0.4%	0.5%
Roofer	3,332	\$ 216,729	0.2%	0.2%
Asbestos Worker	2,530	\$ 137,231	0.1%	0.1%
Building/Construction Inspector	2,110	\$ 174,731	0.1%	0.1%
Drywall Installer/Lather	1,128	\$ 76,406	0.1%	0.1%
Glazier	870	\$ 52,718	0.0%	0.0%
Electrical Utility Lineman	435	\$ 41,515	0.0%	0.0%
Bricklayer	420	\$ 22,952	0.0%	0.0%
Metal Roofing Systems Installer	165	\$ 10,469	0.0%	0.0%
Sprinklerfitters	80	\$ 9,513	0.0%	0.0%
Tile Finisher	32	\$ 1,596	0.0%	0.0%
Tile Setter	28	\$ 2,003	0.0%	0.0%
Remaining Apprenticeable Sub-Total	175,427	\$ 16,272,180	9.3%	11.6%
Teamster	33,376	\$ 2,666,187	1.8%	1.9%
Driver	20,337	\$ 1,742,263	1.1%	1.2%
Tunnel Worker	5,113	\$ 312,166	0.3%	0.2%
Diver	261	\$ 127,655	0.0%	0.1%
Total Non-Apprenticeable	59,086	\$ 4,848,270	3.1%	3.4%
Grand Total	1,879,816	\$ 140,869,527	100.0%	100.0%

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Chart 2. Craft Utilization Pie Chart

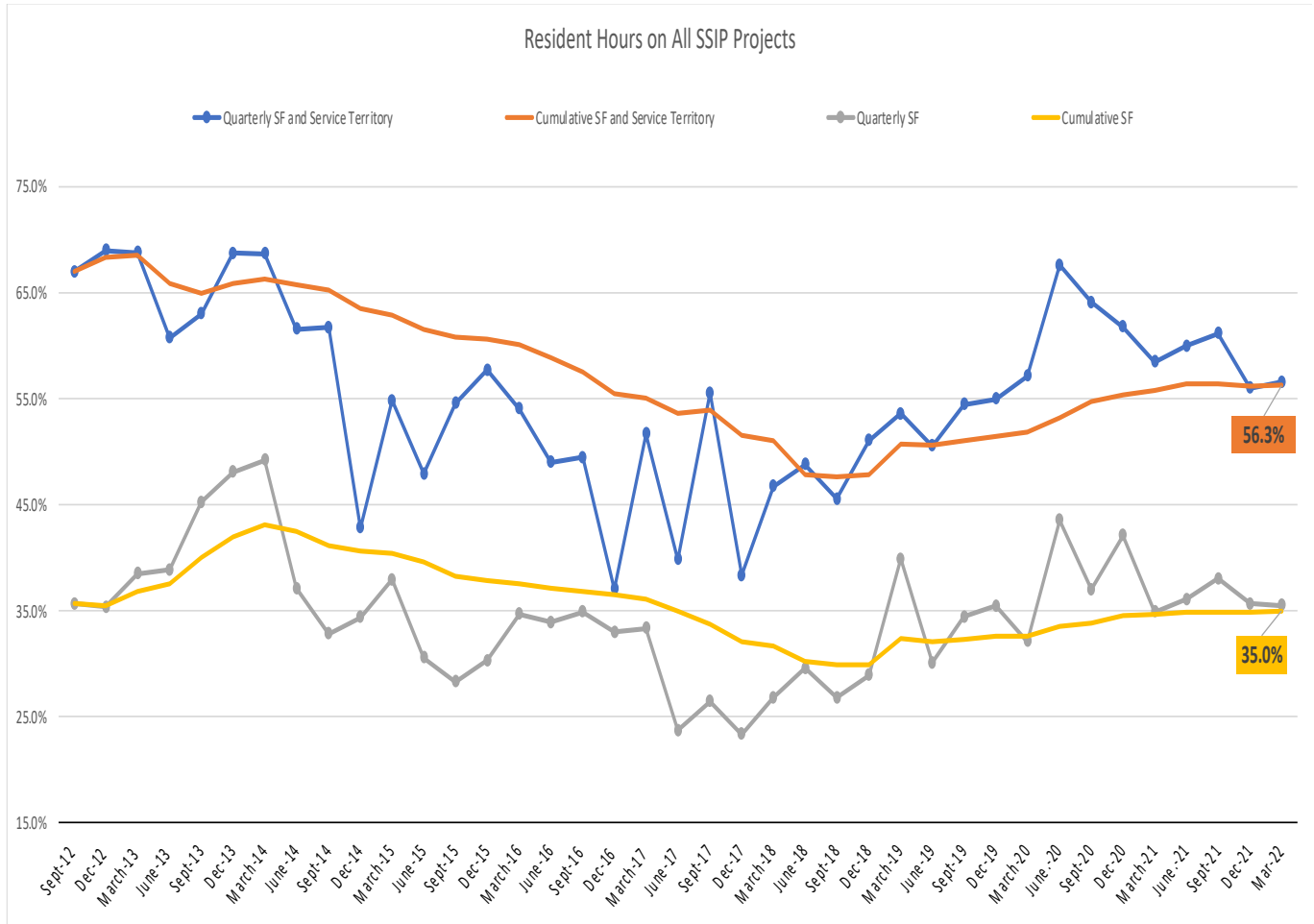


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Worker Residence Data

- Combined, San Francisco and SFPUC Regional Service Territory residents worked **56.3%** of all construction craft hours on SSIP to date.
- Of that total, San Francisco residents alone have worked **35.0%**.

Chart 3. Worker Residence Quarterly and Cumulative



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- San Francisco’s 1,442 workers worked **35.0%** of all the construction hours, as reported in the City’s online certified payroll reporting system, LCPtracker, Inc., and they have earned \$45.9 million in wages and benefits.

Table 5. Worker Residence by County

SSIP-PLA Employment by Top 20 Counties of Residence Inception Through March 31, 2022				
County	Total Craft Hours	Wages & Benefits	% Craft Hours	Worker Count (Not Unique)
San Francisco County	657,395	\$ 45,894,665	35.0%	1,443
Contra Costa County	277,887	\$ 21,369,667	14.8%	830
Alameda County	219,615	\$ 15,840,717	11.7%	868
San Mateo County	134,529	\$ 10,157,147	7.2%	433
Solano County	111,178	\$ 9,113,874	5.9%	371
San Joaquin County	79,913	\$ 6,075,165	4.3%	307
Santa Clara County	51,955	\$ 3,720,206	2.8%	260
Sacramento County	37,817	\$ 3,163,537	2.0%	167
Sonoma County	34,070	\$ 2,456,109	1.8%	94
Stanislaus County	26,297	\$ 2,067,674	1.4%	112
Merced County	23,080	\$ 2,109,933	1.2%	32
Madera County	15,972	\$ 1,319,905	0.8%	18
Tulare County	14,823	\$ 872,805	0.8%	38
Fresno County	12,262	\$ 850,843	0.7%	14
Riverside County	11,735	\$ 873,847	0.6%	38
Marin County	10,675	\$ 697,317	0.6%	29
Lake County	10,316	\$ 1,251,789	0.5%	11
Los Angeles County	8,884	\$ 724,252	0.5%	32
Napa County	8,652	\$ 578,462	0.5%	37
Monterey County	7,391	\$ 724,031	0.4%	29
Top 20 CA Counties by Hrs.	1,754,447	\$ 129,861,944	93.3%	5,163
All Other CA Counties	70,686	\$ 6,191,293	3.8%	249
Out of State	54,683	\$ 4,816,290	2.9%	122
Grand Total	1,879,816	\$ 140,869,527	100.0%	5,402

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The table below represents 30 San Francisco ZIP Codes as identified in LCPtracker, Inc., through the reporting period.

- San Francisco residents worked by 657,291 total hours on SSIP.
- Workers living in the Southeast sector of the city, in ZIP Codes 94124 (Bayview Hunters Point) and 94134 (Visitacion Valley, Portola), have worked 217,528 hours.
- Apprentices living in 94124 have worked more than a quarter (27.7%) of all San Francisco’s 138,121 apprentice hours.

Table 6. SF Journey & Apprentice Hours by ZIP Code

Zip Code	Neighborhoods	Apprentice Hours	Journey Hours	Total Hours	Worker Count (Not Unique)
94124	Bayview Hunters Point	38,271	133,191	171,462	368
94112	Outer Mission, Crocker-Amazon, Oceanview, Westwood Park	8,653	88,244	96,897	187
94110	Mission, Bernal Heights	13,289	55,632	68,921	166
94134	Visitacion Valley, Portola	9,363	36,703	46,065	116
94132	Lake Merced, Merced Heights, San Francisco State	6,777	28,522	35,299	61
94115	Pac Heights, Lower Pac Heights, Western Addition, Fillmore, Japantown	15,070	14,636	29,706	42
94116	Sunset District, West Portal, Forest Hill	6,107	22,271	28,378	63
94122	Inner Sunset, Outer Sunset	8,632	17,458	26,090	72
94121	Outer Richmond	6,976	14,557	21,533	44
94103	SOMA	1,377	16,734	18,111	44
94102	Hayes Valley, Civic Center, Tenderloin	3,384	14,607	17,991	33
94117	Haight-Ashbury, Lower Haight, Cole Valley, NOPA	3,507	11,574	15,081	26
94107	SOMA, Dog Patch, Protrero Hill	4,356	8,226	12,582	52
94118	Inner Richmond	1,105	11,356	12,461	27
94109	Cathedral Hill, Tenderloin, Nob Hill, Russian Hill, Fort Mason	607	9,962	10,569	26
94133	Chinatown, Telegraph Hill, North Beach, Fisherman's Wharf	1,750	7,653	9,403	18
94131	Forest Knolls, Twin Peaks, Diamond Heights, Glen Park	553	7,968	8,521	33
94130	Treasure Island	3,283	5,205	8,488	14
94114	Castro, Noe Valley	1,431	5,160	6,591	16
94127	Balboa Terrace, St. Francis Wood, West Portal	1,547	1,578	3,124	13
94158	Mission Bay	48	1,952	2,000	3
94142	Tenderloin		1,937	1,937	2
94105	SOMA, Embarcadero	675	556	1,230	5
94104	Financial District	607	617	1,224	3
94108	Chinatown, Union Square	350	835	1,185	7
94188	P.O Box	232	931	1,163	9
94123	Marina, Cow Hollow		513	513	4
94120	SOMA	176	291	467	3
94119	P.O Box		156	156	1
94140	P.O Box		147	147	1
Grand Total		138,121	519,170	657,291	1,442

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- Laborers living in San Francisco have worked more than half (52.9%) of San Francisco 657,291 total hours.
- San Francisco apprentice Laborers have worked nearly half (47.1%) of the 138,121 hours worked by San Francisco apprentices.

Table 7. Worker Residence by Craft

All Workers	Laborer	Operating Engineer	Carpenter	Electrician	Painter	Iron Worker	All Others (22 Crafts)	SSIP Grand Total
Total Hours	853,775	333,123	201,494	144,814	56,298	55,800	234,512	1,879,816
Craft Total % of SSIP Total	45.4%	17.7%	10.7%	7.7%	3.0%	3.0%	12.5%	
SF Hours	347,869	103,755	66,864	50,877	9,962	12,312	61,470	657,291
SF Craft % of Total SF Hours	52.9%	15.8%	10.2%	7.7%	1.5%	1.9%	9.4%	
Regional Service Territory Hours	173,940	86,835	26,444	24,811	7,195	18,832	61,946	400,002
% Rgnl Serv Trt Hrs of Total Rgnl Srv Trt Hrs	43.5%	21.7%	6.6%	6.2%	1.8%	4.7%	15.5%	
Apprentice Workers	Laborer	Carpenter	Electrician	Operating Engineer	Painter	Iron Worker	All Others (18 Crafts)	SSIP Apprentices Grand Total
Total Hours	82,643	38,016	24,695	21,176	13,078	11,985	36,361	227,953
Craft Total % of SSIP Total	36.3%	16.7%	10.8%	9.3%	5.7%	5.3%	16.0%	
SF Hours	65,123	15,131	18,031	17,719	3,680	4,120	14,319	138,121
SF Craft % of Total SF Hours	47.1%	11.0%	13.1%	12.8%	2.7%	3.0%	10.4%	
Regional Service Territory Hours	4,562	6,448	2,596	2,266	836	1,803	15,304	33,815
% Rgnl Serv Trt Hrs of Total Rgnl Srv Trt Hrs	13.5%	19.1%	7.7%	6.7%	2.5%	5.3%	45.3%	

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- The overall participation rate of San Francisco workers on SSIP projects is currently **35.0%**.
- WW-711 Wawona Area Stormwater Improvement and Vicente Water Main Replacement has the highest local worker participation to date on SSIP, with workers living in San Francisco having worked **92.4%** of the project's total hours.

Table 8. Worker Residence by Project

Sorted by percentage of San Francisco hours as a percentage of the project's total hours.

Project	Hours				% of Total Project Hours		
	Outside	San Francisco	Service Territory	Grand Total	Outside	San Francisco	Service Territory
WW-711 - Wawona Area Stormwater Improvement and Vicente Street Water Main Replacement	404	18,889	1,142	20,435	2.0%	92.4%	5.6%
WW-541 Southeast Water Pollution Control Plant Oxygen Generation Plant Replacement	2,225	8,580	705	11,509	19.3%	74.5%	6.1%
WW-683R - Sansome, 5th, 6th (North), and Division Streets Combined Sewer Discharge Rehabilitation and Backflow Prevention	5,647	8,906	432	14,985	37.7%	59.4%	2.9%
WW-572R Westside Pump Station Discharge Pipe Manifold	3,378	5,410	495	9,282	36.4%	58.3%	5.3%
WW-712 - New Montgomery, Jessie, Minna, and Mission Streets Brick Sewer Rehabilitation	1,827	2,463	210	4,500	40.6%	54.7%	4.7%
WW-691 Sunset Boulevard Greenway -- Phase II Irving Street to Ulloa Street	1,398	3,357	1,740	6,494	21.5%	51.7%	26.8%
WW-702R - Jackson, Griffith, and Pierce Streets Combined Sewer Discharge Rehabilitation and Backflow Prevention	4,908	4,464	68	9,440	52.0%	47.3%	0.7%
WW-653 - Marin Street Sewer Replacement	3,967	5,949	2,858	12,774	31.1%	46.6%	22.4%
WW-609R Holloway Green Street Stormwater Improvements	8,395	10,210	3,781	22,385	37.5%	45.6%	16.9%
WW-606R2 - Oceanside Water Pollution Control Plant Door and Building 930 Exterior and Awning Improvements	2,307	3,044	1,667	7,017	32.9%	43.4%	23.7%
WW-703 - Mission Street, 16th to Cesar Chavez, Brick Sewer Rehabilitation	5,216	5,681	2,278	13,175	39.6%	43.1%	17.3%
WW-696 - Cargo Way Flush Line	4,150	4,501	2,675	11,326	36.6%	39.7%	23.6%
WW-687 - Force Main Rehabilitation at Embarcadero and Jackson	5,828	6,015	3,301	15,145	38.5%	39.7%	21.8%
WW-556 Southeast Water Pollution Control Plant Chemical System Relocation and Facility Upgrades	21,053	15,536	2,724	39,313	53.6%	39.5%	6.9%
WW-483RR North Shore to Channel Force Main Improvement and Pavement Renovation	38,197	41,603	25,882	105,681	36.1%	39.4%	24.5%
WW-627R - Baker Beach Green Streets	11,630	9,993	4,579	26,202	44.4%	38.1%	17.5%
WW-674R - Geary Boulevard Sewer and Water Improvements	9,699	15,264	15,281	40,243	24.1%	37.9%	38.0%
WW-685R - North Shore Pump Station Wet Weather Improvements	8,066	5,616	1,652	15,334	52.6%	36.6%	10.8%
WW-628 - Southeast Water Pollution Control Plant New Headworks Facility	229,918	191,313	105,084	526,314	43.7%	36.3%	20.0%
WW-671(I) Fillmore and Haight Street Intersection, AWSS, Pavement, and Sewer Replacement	1,377	870	251	2,497	55.1%	34.8%	10.1%
WW-610R - Visitacion Valley Green Nodes, Rutland Street Sewer, and Sunnysdale Pavement Improvements	7,060	6,518	5,350	18,928	37.3%	34.4%	28.3%
WW-667 Mariposa Dry-Weather Pump Station	18,874	11,473	3,479	33,826	55.8%	33.9%	10.3%
WW-665 - Southeast Water Pollution Control Plant 042 Rehabilitation and Seismic Retrofit	14,167	9,691	5,012	28,871	49.1%	33.6%	17.4%
WW-647R.S2-T-31.01 - Southeast Water Pollution Control Plant Biosolids Digester Facilities Project - Earthworks, Piling Found & Site Wide Dewatering	192,339	165,283	139,039	496,660	38.7%	33.3%	28.0%
WW-570 - Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades	5,239	3,929	2,726	11,893	44.0%	33.0%	22.9%
WW-639 - Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrades	29,709	19,239	9,413	58,361	50.9%	33.0%	16.1%
WW-605R Mission and Valencia Streets Green Gateway	8,869	5,943	5,187	19,998	44.4%	29.7%	25.9%
WW-662R - Southeast Water Pollution Control Plant Power Feed and Primary Switchgear Upgrades	7,076	4,789	4,272	16,137	43.9%	29.7%	26.5%
WW-657R - Drumm & Jackson Streets Sewer Improvements	8,897	4,382	1,664	14,943	59.5%	29.3%	11.1%
WW-626 Southeast Water Pollution Control Plant Primary and Secondary Clarifier Upgrades	39,958	20,167	14,900	75,025	53.3%	26.9%	19.9%
WW-632 - Southeast Water Pollution Control Plant Existing Digester Gas Handling Improvements	9,505	5,777	6,803	22,086	43.0%	26.2%	30.8%
WW-599R - Southeast Water Pollution Control Plant Cryogenic Oxygen Plant Demolition and Liquid Oxygen System Upgrades	3,109	2,016	2,593	7,718	40.3%	26.1%	33.6%
WW-659 - Greenhouse Demolition at 1150 Phelps Street	1,840	868	739	3,446	53.4%	25.2%	21.4%
WW-613 Southeast Water Pollution Control Plant (SEP) Building 521/522 and Disinfection Upgrades	53,465	17,590	5,370	76,424	70.0%	23.0%	7.0%
WW-651 - Griffith Pump Station Improvements	11,209	3,448	400	15,057	74.4%	22.9%	2.7%
WW-658 - As-Needed Sewer Cleaning and Inspection of Large Sewers	2,287	835	901	4,023	56.9%	20.8%	22.4%
WW-645R - Westside Pump Station Reliability Improvements	14,783	4,712	6,956	26,450	55.9%	17.8%	26.3%
WW-614R2 - North Point Outfall Rehabilitation	24,551	2,971	8,398	35,920	68.3%	8.3%	23.4%
Grand Total	822,524	657,291	400,002	1,879,816	43.8%	35.0%	21.3%

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Apprentice Data

The State of California’s Division of Apprenticeship Standards requires apprentices be utilized in the ratios applicable to each craft, generally one apprentice hour to every five journey hours.

- On SSIP, 12.5% of all craft hours in apprenticeable trades have been worked by apprentices.
- Glaziers have utilized the most apprentices, with 79.4% of all hours being worked by apprentices.
- Apprentice Laborers have worked 9.7% of the Laborers’ 853,000 total hours.

Table 9. Apprentice Utilization by Craft

Craft	Apprentice Hours	Journey Hours	Total Hours	Apprentice Percentage of Craft Total (Apprentice/Total)
Glazier	691	179	870	79.4%
Field Surveyor	9,032	11,158	20,190	44.7%
Metal Roofing Systems Installer	72	93	165	43.6%
Roofer	850	2,482	3,332	25.5%
Tile Finisher	8	24	32	25.0%
Painter	13,078	43,221	56,298	23.2%
Plumber	10,964	36,301	47,265	23.2%
Tile Setter	6	22	28	21.8%
Iron Worker	11,985	43,815	55,800	21.5%
Carpenter	38,016	163,478	201,494	18.9%
Cement Mason	6,309	27,232	33,542	18.8%
Sheet Metal Worker	4,532	19,823	24,355	18.6%
Electrician	24,695	120,118	144,814	17.1%
Asbestos Worker	377	2,153	2,530	14.9%
Pile Driver	2,830	17,587	20,417	13.9%
Building/Construction Inspector	256	1,855	2,110	12.1%
Laborer	82,643	771,133	853,775	9.7%
Drywall Installer/Lather	108	1,020	1,128	9.5%
Electrical Utility Lineman	36	399	435	8.3%
Operating Engineer	21,176	311,947	333,123	6.4%
Boilermaker	212	7,687	7,899	2.7%
Bricklayer	8	412	420	1.9%
Tunnel Worker	56	5,057	5,113	1.1%
Plasterer	16	10,617	10,633	0.2%
Sprinklerfitters		80	80	0.0%
Apprenticeable Subtotal	227,953	1,597,890	1,825,843	12.5%
Teamster		33,376	33,376	0.0%
Diver		261	261	0.0%
Driver		20,337	20,337	0.0%
Grand Total	227,953	1,651,863	1,879,816	12.1%

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- WW-613 Southeast Water Pollution Control Plant (SEP) Building 521/522 and Disinfection Upgrades has the highest apprentice utilization ratio, with 22.0% of all hours worked by apprentices.
- WW-628 Southeast Water Pollution Control Plant New Headworks Facility's apprentice utilization ratio is currently 13.4%, or 70,699 out of 526,314 total project hours.
WW-647R Southeast Water Pollution Control Plant Biosolids Digester Facilities Project, with nearly 500,000 total hours worked, has an apprentice utilization rate of 8.0%.

Table 10. Apprentice Utilization by Project

Project Name	Apprentice Hours	Journey Hours	Grand Total	Appr. Utilization %
WW-613 Southeast Water Pollution Control Plant (SEP) Building 521/522 and Disinfection Upgrades	16,810	59,615	76,424	22.0%
WW-556 Southeast Water Pollution Control Plant Chemical System Relocation and Facility Upgrades	8,255	31,058	39,313	21.0%
WW-572R Westside Pump Station Discharge Pipe Manifold	1,949	7,333	9,282	21.0%
WW-606R2 - Oceanside Water Pollution Control Plant Door and Building 930 Exterior and Awning Improvements	1,466	5,551	7,017	20.9%
WW-651 - Griffith Pump Station Improvements	2,757	12,300	15,057	18.3%
WW-627R - Baker Beach Green Streets	4,685	21,517	26,202	17.9%
WW-702R - Jackson, Griffith, and Pierce Streets Combined Sewer Discharge Rehabilitation and Backflow Prevention	1,597	7,842	9,440	16.9%
WW-632 - Southeast Water Pollution Control Plant Existing Digester Gas Handling Improvements	3,580	18,506	22,086	16.2%
WW-570 - Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades	1,904	9,990	11,893	16.0%
WW-674R - Geary Boulevard Sewer and Water Improvements	6,372	33,872	40,243	15.8%
WW-712 - New Montgomery, Jessie, Minna, and Mission Streets Brick Sewer Rehabilitation	698	3,802	4,500	15.5%
WW-626 Southeast Water Pollution Control Plant Primary and Secondary Clarifier Upgrades	11,358	63,667	75,025	15.1%
WW-639 - Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrades	8,625	49,736	58,361	14.8%
WW-657R - Drumm & Jackson Streets Sewer Improvements	2,190	12,753	14,943	14.7%
WW-696 - Cargo Way Flush Line	1,606	9,720	11,326	14.2%
WW-665 - Southeast Water Pollution Control Plant O42 Rehabilitation and Seismic Retrofit	4,091	24,780	28,871	14.2%
WW-683R - Sansome, 5th, 6th (North), and Division Streets Combined Sewer Discharge Rehabilitation and Backflow Prevention	2,053	12,932	14,985	13.7%
WW-541 Southeast Water Pollution Control Plant Oxygen Generation Plant Replacement	1,566	9,943	11,509	13.6%
WW-605R Mission and Valencia Streets Green Gateway	2,720	17,278	19,998	13.6%
WW-483RR North Shore to Channel Force Main Improvement and Pavement Renovation	14,364	91,318	105,681	13.6%
WW-691 Sunset Boulevard Greenway -- Phase II Irving Street to Ulloa Street	873	5,621	6,494	13.4%
WW-628 - Southeast Water Pollution Control Plant New Headworks Facility	70,699	455,616	526,314	13.4%
WW-711 - Wawona Area Stormwater Improvement and Vicente Street Water Main Replacement	2,408	18,027	20,435	11.8%
WW-667 Mariposa Dry-Weather Pump Station	3,807	30,019	33,826	11.3%
WW-662R - Southeast Water Pollution Control Plant Power Feed and Primary Switchgear Upgrades	1,572	14,565	16,137	9.7%
WW-647R - Southeast Water Pollution Control Plant Biosolids Digester Facilities Project	39,957	456,704	496,660	8.0%
WW-614R2 - North Point Outfall Rehabilitation	2,750	33,170	35,920	7.7%
WW-685R - North Shore Pump Station Wet Weather Improvements	1,164	14,170	15,334	7.6%
WW-645R - Westside Pump Station Reliability Improvements	1,875	24,576	26,450	7.1%
WW-610R - Visitacion Valley Green Nodes, Rutland Street Sewer, and Sunnysdale Pavement Improvements	1,251	17,677	18,928	6.6%
WW-609R Holloway Green Street Stormwater Improvements	1,328	21,057	22,385	5.9%
WW-703 - Mission Street, 16th to Cesar Chavez, Brick Sewer Rehabilitation	748	12,428	13,175	5.7%
WW-659 - Greenhouse Demolition at 1150 Phelps Street	147	3,299	3,446	4.3%
WW-653 - Marin Street Sewer Replacement	395	12,380	12,774	3.1%
WW-599R - Southeast Water Pollution Control Plant Cryogenic Oxygen Plant Demolition and Liquid Oxygen System Upgrades	133	7,585	7,718	1.7%
WW-687 - Force Main Rehabilitation at Embarcadero and Jackson	192	14,953	15,145	1.3%
WW-658 - As-Needed Sewer Cleaning and Inspection of Large Sewers	14	4,009	4,023	0.3%
WW-671(I) Fillmore and Haight Street Intersection, AWSS, Pavement, and Sewer Replacement		2,497	2,497	0.0%
Grand Total	227,953	1,651,863	1,879,816	12.1%

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Substance Abuse Prevention Program and Safety

The 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.

- 2,583 pre-employment tests have been administered on SSIP, with a total non-negative screening rate of **1.66%**.
- During the quarter, 260 pre-employment substance abuse screenings were administered, and no individuals were prevented from working as the result of a non-negative test.

Table 11. Workers’ Pre-Employment Clearance Data

SSIP - Covered by PLA Substance Abuse Testing Summary Tests Administered to Individuals Cleared to Work Through 3/31/22	
Project	Number Cleared
WW-647R - SEP Biosolids Digester Facilities Project	1,121
WW-682R - Southeast Community Center at 1550 Evans	795
WW-628 - SEP New Headworks Facility	278
WW-614R2 - North Point Outfall Rehabilitation	116
WW-645R - Westside Pump Station Reliability Improvements	52
WW-711 - Wawona Area Stormwater Improvement and Vicente Street Water Main Replacement	52
WW-627R - Baker Beach Green Streets	27
WW-570 - OSP and Westside Pump Station HVAC Upgrades	23
WW-657R -Drumm & Jackson Streets Sewer Improvements	15
WW-658 - As-Needed Sewer Cleaning and Inspection of Large Sewers	11
WW-667 - Mariposa Dry Weather Pump Station	10
WW-639 - OSP Digester GasUtilization Upgrades	8
WW-665 - SEP 042 Rehabilitation and Seismic Retrofit	8
WW-606R2 - OSP Door and Building 930 Exterior and Awning Improvements	7
WW-651 - Griffith Pump Station Improvements	5
WW-687 - Force Main Improvements at Embarcadero and Jackson	4
WW-610R - Visitacion Valley Green Nodes	3
WW-632 - Southeast Water Pollution Control Plant Existing Digester Gas Handling Improvement	3
WW-599R - SEP Cryogenic Oxygen Plant Demolition and Liquid Oxygen System Upgrades	2
Total Cleared	2,540

History of the WSIP PLA and SSIP Extension Agreement

On April 8, 2003, the San Francisco Board of Supervisors adopted Resolution 223-03 urging the San Francisco Public Utilities Commission (SFPUC) to develop plans for a Project Labor Agreement (PLA) 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 PLA 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 Small Firm Advisory Committee to provide for the certification of small construction contractors located outside of San Francisco and within the SFPUC Regional Service Territory for work on SFPUC construction projects, including those covered by the PLA.

On March 28, 2006, the SFPUC adopted Resolution No. 06-0049 authorizing SFPUC staff to commence negotiations with the various craft labor unions for a project labor agreement covering the Water System Improvement Program (WSIP). 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. The 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 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 PLA was on the WD-2504 Stanford Heights Reservoir Seismic Retrofit and Improvement project, which the SFPUC awarded to S.J. Amoroso Construction Company, LLC., on June 26, 2007, in the amount of \$17,899,960.

In 2008, the Commission approved Addendum No. 1 of the Agreement, which extended the Agreement to the Advanced Meter Infrastructure (AMI) project.

In May 2016, the Commission approved an Extension Agreement, which applied the terms of the PLA, as modified in the Extension Agreement, to Sewer System Improvement Program (SSIP) projects and the AWSS Pumping Station 2 project.

Governance and Certified Payroll Reporting System

The parties to the PLA have established a four-person Joint Administrative Committee that reviews the implementation and progress of the PLA, and provides guidance to questions or concerns that arise in connection with the PLA. The Workforce and Economic Program Services team, within the SFPUC's Infrastructure Division, administers the PLA under the advisement of the Joint Administrative Committee.

Prior to the commencement of construction, representatives of participating contractors and subcontractors, the unions, and SFPUC staff, are required to attend a PLA Pre-Job Conference. At the conference, the general contractor and subcontractors must present their scope of work and make union assignments of the work based on traditional craft jurisdictional lines. When conflicting claims for work are submitted to a contractor, the corresponding Jurisdictional Dispute Resolution procedures, as specified for the trades involved, is invoked so as to prevent delay or disruption of the work.

All SFPUC construction projects utilize the City's authorized labor compliance reporting program, currently the web-based system, LCPtracker, Inc. The data from the certified payrolls records collected by LCPtracker, Inc. have been compiled to produce the information in this report.