



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

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# **Sewer System Improvement Program Project Labor Agreement Quarterly Report**

**January 1, 2021 through March 31, 2021  
(Third Quarter FY 2020-2021)**

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

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San Francisco Public Utilities Commission  
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## Definitions

<b>City</b>	City and County of San Francisco
<b>OEWD</b>	The Office of Economic and Workforce Development for the City and County of San Francisco
<b>OSP</b>	Oceanside Water Pollution Control Plant
<b>Outside</b>	All ZIP Codes where workers reside not within San Francisco or the San Francisco Public Utilities Commission's Service Territory
<b>SEP</b>	Southeast Water Pollution Control Plant
<b>SFPUC</b>	San Francisco Public Utilities Commission
<b>SFPUC Regional Service Territory</b>	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
<b>SSIP</b>	Sewer System Improvement Program
<b>WEPS</b>	Workforce and Economic Programs Services Bureau
<b>WWE</b>	Wastewater Enterprise

## Executive Summary

### Contracting and Employment Highlights – Program to Date:

- Thirty-eight (38) construction contracts, with a combined value of \$1.639 billion, have been awarded.
- 1,194,759 total craft hours have been worked by 4,593 workers who earned \$87.6 million in wages and benefits.
- 1,248 San Francisco residents worked 414,143 hours (**34.7%**) and earned over \$28.2 million in wages and benefits, exceeding the City’s Local Hiring requirement (20% to 30% on SSIP projects).
- 1,289 residents of the SFPUC’s Regional Service Territory worked 251,975 hours (**21.1%**) and earned over \$18.4 million in wages and benefits.

**Table 1. Worker Highlights – Total Program**

Region of Worker Residence	Inception Through March 31, 2021		
	Hours	Wages & Benefits	Worker Count
Outside	528,641	\$ 40,925,211	2,105
San Francisco	414,143	\$ 28,284,400	1,248
Service Territory	251,975	\$ 18,365,962	1,289
<b>Grand Total</b>	<b>1,194,759</b>	<b>\$87,575,572</b>	<b>4,593</b>

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**Contracting and Employment Highlights – During the Quarter:**

- Two contracts were awarded:
  - WW-645R Westside Pump Station Reliability Improvements was awarded to Anvil Builders, Inc., for \$48,328,300.
  - WW-685R North Shore Pump Station, Wet Weather Improvements was awarded to Western Water Constructors, Inc., for \$26,010,000.
  
- 826 construction workers worked 120,697 hours and earned more than \$9.3 million in wages and benefits.
  
- 249 San Francisco residents worked 42,161 hours and earned \$3.03 million in wages and benefits.
  
- 220 SFPUC Service Territory residents worked 28,490 hours and earned more than \$2.3 million in wages and benefits.

**Table 2. Summary of Craft Worker Employment During the Quarter**

Region of Worker Residence	Three Months Ending March 31, 2021		
	Hours	Wages & Benefits	Worker Count
Outside	50,047	\$ 4,022,193	358
San Francisco	42,161	\$ 3,029,914	249
Service Territory	28,490	\$ 2,264,437	220
<b>Grand Total</b>	<b>120,697</b>	<b>\$ 9,316,544</b>	<b>826</b>

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**Table 3. List of SSIP Construction Contracts**

SSIP Construction Contracts				
Inception through March 31, 2021				
Contract Number	Project	Award Date	Prime Contractor	Original Contract Award
WW-645R	Westside Pump Station Reliability Improvements	2/23/21	Anvil Builders, Inc	\$ 48,328,300
WW-685R	North Shore Pump Station, Wet Weather Improvements	1/26/21	Western Water Constructors	\$ 26,010,000
WW-703	Mission Street, 16th to Cesar Chavez, Brick Sewer Rehabilitation	8/25/20	Cratus, Inc.	\$ 6,337,350
WW-662R	Southeast Water Pollution Control Plant Power Feed and Primary Switchgear Upgrades	7/28/20	Blocka Construction, Inc	\$ 30,744,200
WW-702R	Jackson, Griffith, and Pierce Streets Combined Sewer Discharge Rehabilitation and Backflow Prevention	7/14/20	Trinet Construction, Inc	\$ 3,886,300
WW-694	Lincoln Way/48th Ave Diversion Structure Modification	4/14/20	Marinship Development Interest, LLC	\$ 967,980
WW-696	Cargo Way Flush Line	2/25/20	JMB Construction, Inc.	\$ 4,486,280
WW-687	Force Main Improvements at Embarcadero and Jackson	1/14/20	Anvil Builders Inc.	\$ 5,986,222
WW-691	Sunset Boulevard Greenway -- Phase II Irving Street	7/23/19	Minerca Construction, Inc	\$ 2,572,351
WW-665	SEP 042 Rehabilitation And Seismic Retrofit	6/25/19	Western Water Constructors, Inc.	\$ 9,079,210
WW-683R	Sansome and Division Streets Combined Sewer Discharge Rehab	5/14/19	Trinet Construction Inc	\$ 4,907,090
WW-682R	Southeast Community Center at 1550 Evans	1/22/19	Charles Pankow Builders, Inc.	\$ 71,181,251
WW-627R	Baker Beach Green Streets	9/25/18	Minerva Construction	\$ 7,122,000
WW-667	Mariposa Dry-Weather Pump Station	9/11/18	Western Water Constructors, Inc.	\$ 17,031,000
WW-639	OSP Digester Gas Utilization Upgrades	8/28/18	Monterey Mechanical	\$ 38,449,000
WW-674R	Geary Boulevard Sewer and Water Improvements	8/28/18	JMB Construction, Inc.	\$ 16,246,547
WW-659	Greenhouse Demolition at 1150 Phelps Street/1800 Oakdale Avenue	2/27/18	Azul Works, Inc.	\$ 1,638,000
WW-657R	Drumm & Jackson Streets Sewer Improvements	1/9/18	Anvil Builders Inc.	\$ 5,240,900
WW-658	As-Needed Sewer Cleaning and Inspection of Large Sewers	8/8/17	Pipe and Plant Solutions	\$ 2,694,000
WW-651	Griffith Pump Station Improvements	7/11/17	Western Water Constructors, Inc.	\$ 10,941,000
WW-599R	SEP Cryogenic Oxygen Plant	6/13/17	Cal State Constructors	\$ 6,547,000
WW-647R	SEP Biosolids Digester Facilities	5/9/17	MWH Constructors/Webcor Builders JV	\$ 932,715,777
WW-610R	Visitacion Valley Green Nodes	2/28/17	Minerva Construction	\$ 3,483,944
WW-653	Marin Street Sewer Replacement	2/28/17	Ranger Pipelines, Inc.	\$ 4,860,250
WW-614R2	North Point Outfall Rehabilitation	1/10/17	The Dutra Group	\$ 12,485,980
WW-632	SEP Existing Digester Gas Handling Improvements	1/10/17	Monterey Mechanical Company	\$ 9,536,000
DB-126	WWE Distributed Control System Upgrades	12/13/16	Emerson Process Management	\$ 20,425,000
WW-606R2	OSP Door and Building 930 Exterior Awning Improvements	12/13/16	Trinet Construction, Inc.	\$ 4,049,000
WW-628	SEP New Headworks Facility	5/24/16	Sundt/Walsh JV	\$ 224,652,224
WW-570	OSP and Westside Pump Station HVAC Upgrades	5/10/16	Blocka Construction, Inc.	\$ 6,138,000
WW-613	SEP Building 521/522 and Disinfection Upgrades	1/26/16	Western Water Constructors, Inc.	\$ 25,750,000
WW-626	SEP Primary and Secondary Clarifier Upgrades	1/12/16	Monterey Mechanical Company	\$ 23,588,000
WW-605R	Mission and Valencia Streets Green Gateway	11/10/15	Anvil Builders	\$ 2,949,013
WW-609R	Holloway Green Street Stormwater Improvements	9/22/15	M Squared Construction, Inc.	\$ 5,591,892
WW-572R	Westside Pump Station Discharge Pipe Manifold Upgrade	6/24/14	Cal State Constructors	\$ 4,145,047
WW-556	SEP Chemical System Relocation and Facility Upgrades	1/28/14	NTK Construction, Inc.	\$ 14,025,000
WW-541	SEP Oxygen Generation Plant Replacement	12/11/12	NTK Construction, Inc.	\$ 9,476,360
WW-483RR	N. Shore to Channel Force Main Improvements	4/24/12	K.J. Woods Construction, Inc.	\$ 15,488,000
<b>38 Projects</b>				<b>\$ 1,639,755,468</b>

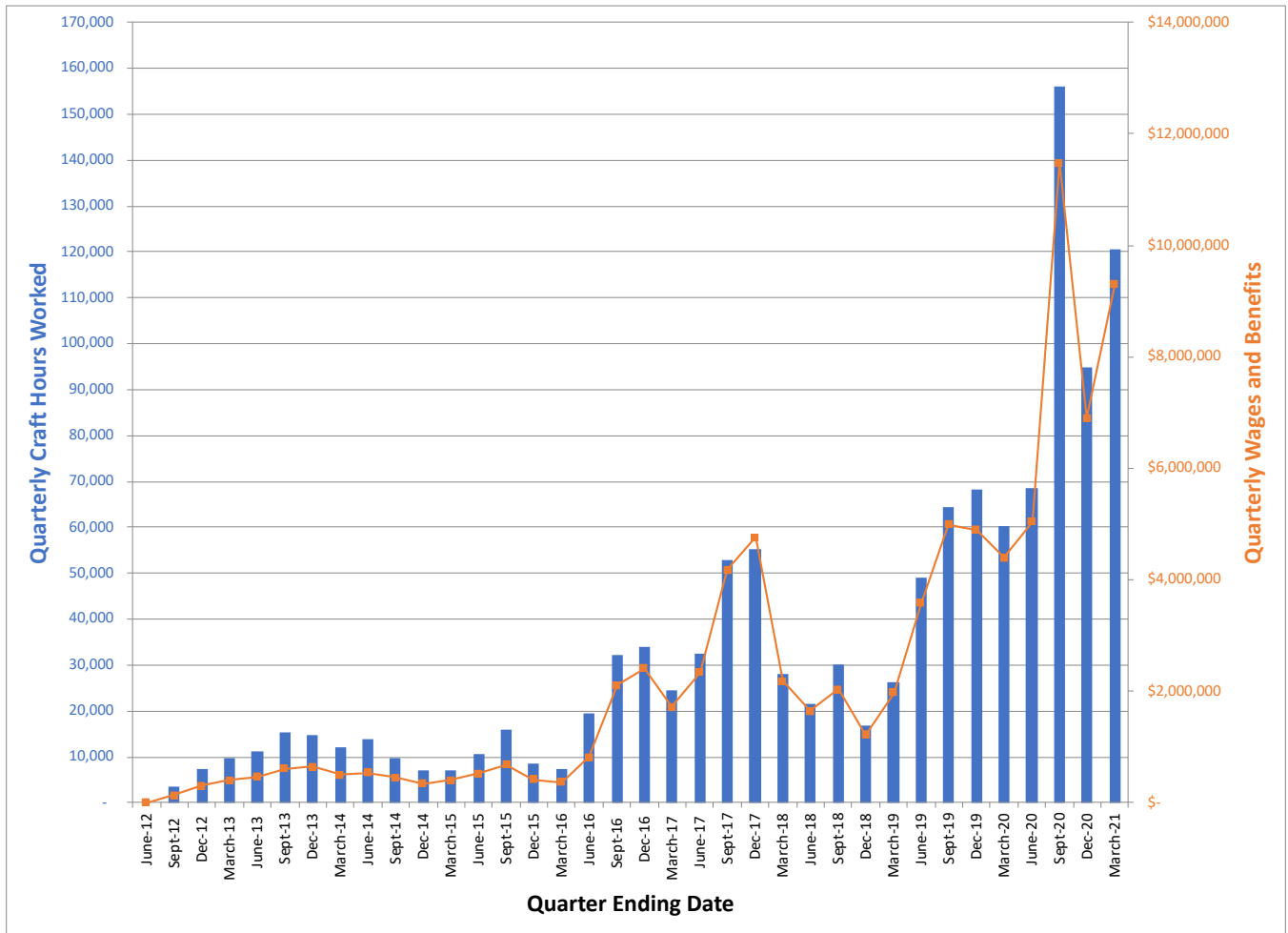
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## Summary Tables and Charts

### Craft Data

- During the quarter, construction workers worked 120,697 hours and earned approximately \$9.3 million in wages and benefits.

**Chart 1. Craft Hours and Wages**



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- 4,593 workers have worked 1,194,759 construction craft hours and earned \$87,575,572 in wages and benefits.
- Laborers, Operating Engineers, Electricians, Carpenters, Painters, and Plumbers worked **88.5%** of all hours, with over 1.06 million combined hours worked.

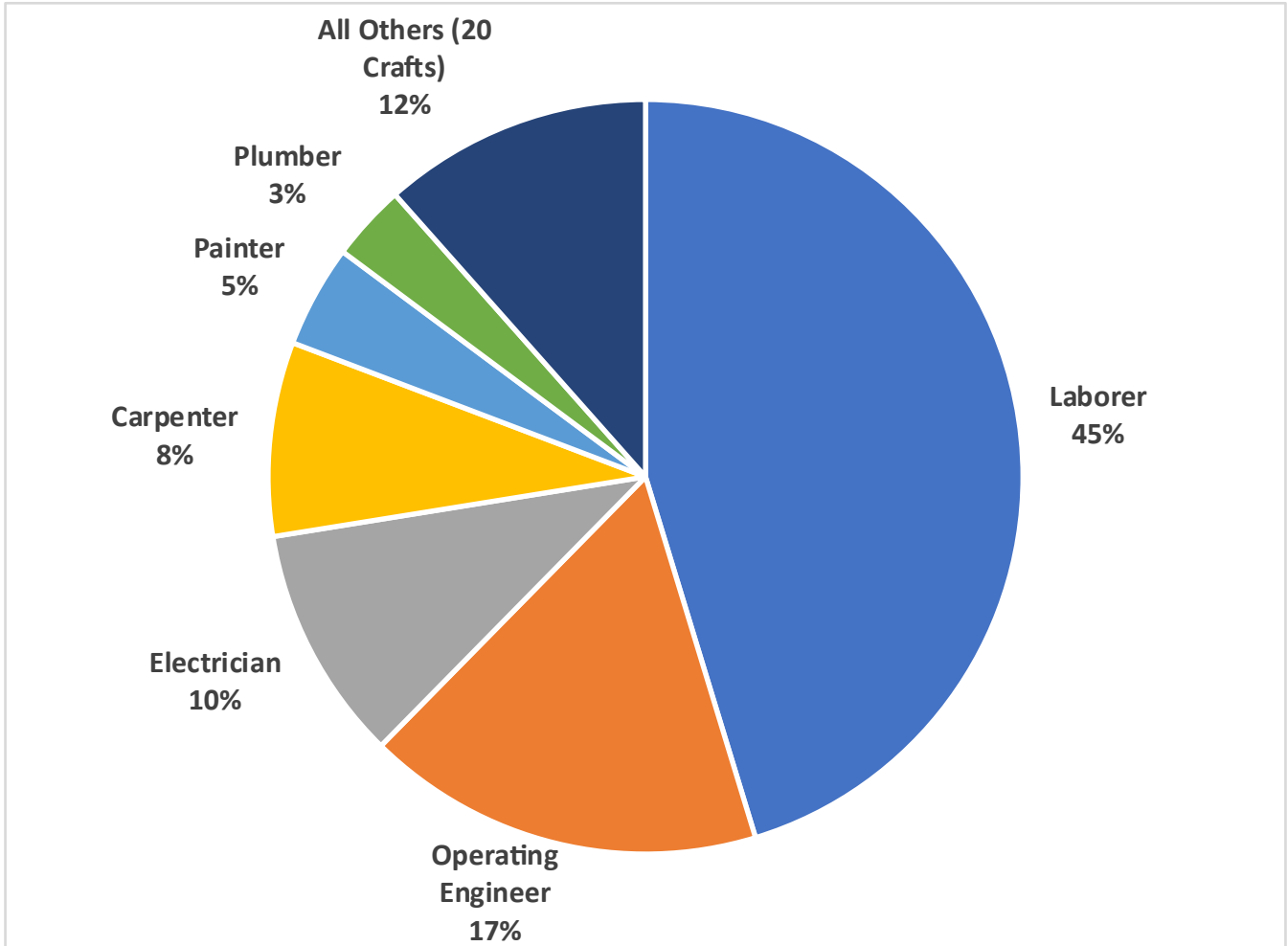
**Table 4. Craft Utilization Table**

<b>Cumulative Employment by Craft</b>				
<b>Inception Through March 31, 2021</b>				
Craft	Total Hours	Total Wages	% Craft Hours of Total Hours	% Wages of Total Wages
Laborer	541,133	\$ 31,249,950	45.3%	35.7%
Operating Engineer	203,918	\$ 17,957,783	17.1%	20.5%
Electrician	120,706	\$ 11,753,792	10.1%	13.4%
Carpenter	99,365	\$ 7,621,118	8.3%	8.7%
Painter	52,538	\$ 3,695,920	4.4%	4.2%
Plumber	39,115	\$ 4,398,065	3.3%	5.0%
<b>Top 6 Crafts Sub-Total</b>	<b>1,056,774</b>	<b>76,676,628</b>	<b>88.5%</b>	<b>87.6%</b>
Iron Worker	30,335	\$ 2,050,763	2.5%	2.3%
Pile Driver	20,862	\$ 2,173,881	1.7%	2.5%
Cement Mason	20,499	\$ 1,271,537	1.7%	1.5%
Sheet Metal Worker	15,494	\$ 1,720,024	1.3%	2.0%
Field Surveyor	6,828	\$ 433,884	0.6%	0.5%
Plasterer	3,959	\$ 278,878	0.3%	0.3%
Asbestos Worker	1,713	\$ 63,823	0.1%	0.1%
Roofer	1,670	\$ 106,706	0.1%	0.1%
Building/Construction Inspector	1,449	\$ 127,036	0.1%	0.1%
Drywall Installer/Lather	1,021	\$ 67,337	0.1%	0.1%
Glazier	870	\$ 52,718	0.1%	0.1%
Electrical Utility Lineman	435	\$ 41,515	0.0%	0.0%
Bricklayer	412	\$ 22,605	0.0%	0.0%
Boilermaker	168	\$ 11,521	0.0%	0.0%
Metal Roofing Systems Installer	165	\$ 10,469	0.0%	0.0%
Sprinklerfitters	26	\$ 2,967	0.0%	0.0%
<b>Remaining Apprenticable Sub-Total</b>	<b>105,902</b>	<b>8,435,664</b>	<b>8.9%</b>	<b>9.6%</b>
Teamster	20,738	\$ 1,596,721	1.7%	1.8%
Driver	6,029	\$ 430,320	0.5%	0.5%
Tunnel Worker	5,057	\$ 308,584	0.4%	0.4%
Diver	261	\$ 127,655	0.0%	0.1%
<b>Total Non-Apprenticable</b>	<b>32,084</b>	<b>\$ 2,463,280</b>	<b>2.7%</b>	<b>2.8%</b>
<b>Grand Total</b>	<b>1,194,759</b>	<b>\$ 87,575,572</b>	<b>100.0%</b>	<b>100.0%</b>



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**Chart 2. Craft Utilization Pie Chart**

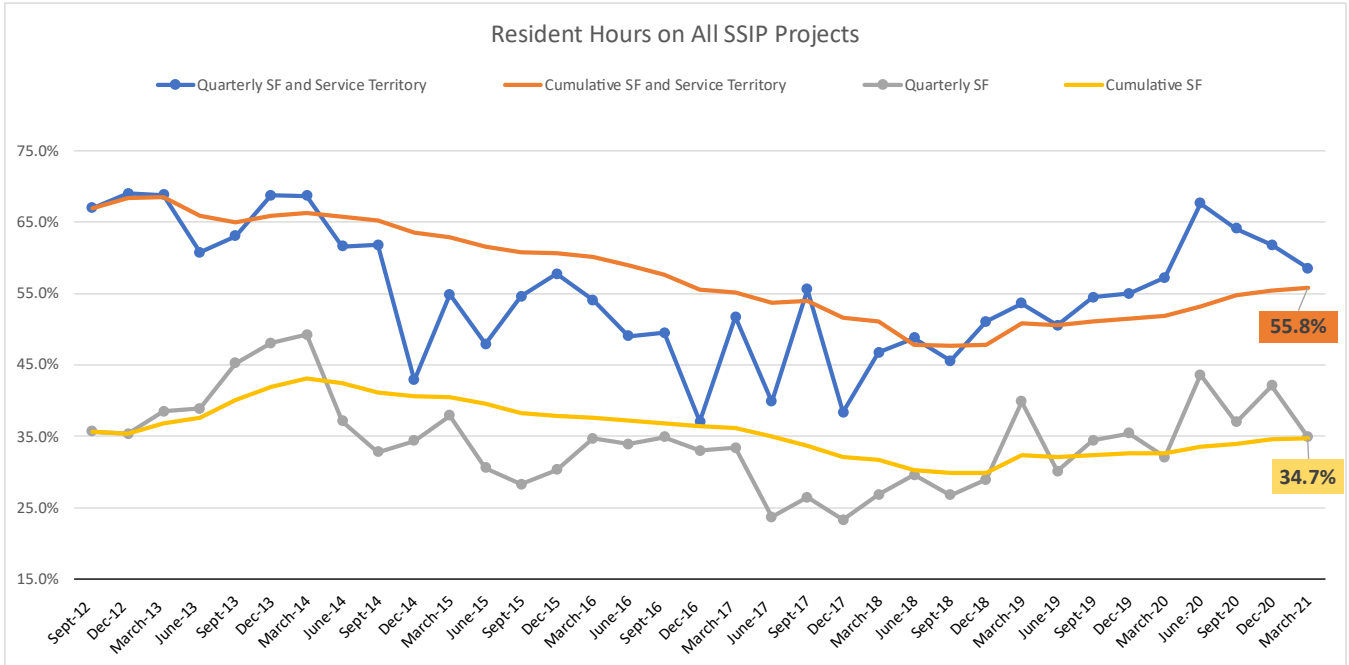


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**Worker Residence Data**

- Combined, San Francisco and SFPUC Regional Service Territory residents worked **55.8%** of all construction craft hours on SSIP to date.
- Of that total, San Francisco residents alone have worked **34.7%**.

**Chart 3. Worker Residence Quarterly and Cumulative**



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- San Francisco's 1,248 workers worked **34.7%** of all the construction hours, as reported in the City's online certified payroll reporting system, LCPtracker, Inc., and they have earned approximately \$28.3 million in wages and benefits.

**Table 5. Worker Residence by County**

<b>SSIP-PLA Employment by Top 20 Counties of Residence Inception Through March 31, 2021</b>				
County	Total Craft Hours	Wages & Benefits	% Craft Hours	Worker Count (Not Unique)
<b>San Francisco County</b>	<b>414,143</b>	<b>\$ 28,284,400</b>	<b>34.7%</b>	<b>1,248</b>
Contra Costa County	181,711	\$ 13,954,159	15.2%	731
Alameda County	140,769	\$ 9,770,826	11.8%	732
San Mateo County	91,561	\$ 6,820,079	7.7%	378
Solano County	70,242	\$ 5,743,779	5.9%	308
San Joaquin County	51,126	\$ 3,822,764	4.3%	247
Santa Clara County	26,672	\$ 1,698,250	2.2%	222
Sonoma County	23,669	\$ 1,690,352	2.0%	73
Sacramento County	23,106	\$ 1,972,207	1.9%	135
Stanislaus County	16,869	\$ 1,354,966	1.4%	89
Tulare County	14,823	\$ 872,806	1.2%	7
Merced County	13,822	\$ 1,175,818	1.2%	34
Fresno County	12,289	\$ 850,246	1.0%	14
Madera County	11,626	\$ 938,412	1.0%	15
Riverside County	10,411	\$ 777,877	0.9%	33
Marin County	9,104	\$ 641,050	0.8%	27
Clark County	8,676	\$ 704,700	0.7%	19
Kern County	7,083	\$ 442,454	0.6%	18
Napa County	6,087	\$ 401,814	0.5%	31
Monterey County	5,841	\$ 592,623	0.5%	25
<b>Top 20 Counties by Hours</b>	<b>1,139,628</b>	<b>\$ 82,509,581</b>	<b>95.4%</b>	<b>4,325</b>
<b>All Other Counties</b>	<b>55,131</b>	<b>\$ 5,065,991</b>	<b>4.6%</b>	<b>270</b>
<b>Grand Total</b>	<b>1,194,759</b>	<b>\$ 87,575,572</b>	<b>100.0%</b>	<b>4,593</b>

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The table below represents all of San Francisco’s 30 ZIP Codes where the workers reside.

- San Francisco residents worked by 414,143 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 131,334 hours and have earned more than \$8.2 million in wages and benefits.
- Apprentices living in 94124 have worked nearly a third (29.1%) of all San Francisco’s 29,500 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	29,500	71,666	101,166	324
94112	Outer Mission, Crocker-Amazon, Oceanview, Westwood Park	5,257	58,822	64,078	175
94110	Mission, Bernal Heights	11,991	31,047	43,038	136
94134	Visitacion Valley, Portola	7,288	22,880	30,167	101
94116	Sunset District, West Portal, Forest Hill	4,142	20,922	25,064	58
94132	Lake Merced, Merced Heights, San Francisco State	3,780	14,422	18,201	50
94121	Outer Richmond	5,778	12,230	18,008	43
94122	Inner Sunset, Outer Sunset	4,599	11,637	16,235	55
94115	Pac Heights, Lower Pac Heights, Western Addition, Fillmore, Japantown	10,050	5,005	15,054	30
94103	SOMA	2,239	10,029	12,268	48
94102	Hayes Valley, Civic Center, Tenderloin	3,258	8,092	11,350	34
94118	Inner Richmond	1,054	9,250	10,303	20
94117	Haight-Ashbury, Lower Haight, Cole Valley, NOPA	2,368	6,881	9,248	26
94107	SOMA, Dog Patch, Protrero Hill	1,472	6,368	7,839	46
94133	Chinatown, Telegraph Hill, North Beach, Fisherman’s Wharf	866	6,066	6,931	16
94130	Treasure Island	3,157	2,652	5,809	10
94109	Cathedral Hill, Tenderloin, Nob Hill, Russian Hill, Fort Mason	988	4,281	5,268	22
94131	Forest Knolls, Twin Peaks, Diamond Heights, Glen Park	545	3,524	4,069	19
94142	Tenderloin		1,902	1,902	2
94114	Castro, Noe Valley	1,109	241	1,350	3
94105	SOMA, Embarcadero	675	638	1,313	5
94158	Mission Bay	48	1,078	1,126	4
94108	Chinatown, Union Square	350	753	1,103	7
94188	P.O Box	232	789	1,021	8
94127	Balboa Terrace, St. Francis Wood, West Portal	54	706	760	9
94104	Financial District	260	456	716	2
94120	SOMA	176	291	467	3
94140	P.O Box		147	147	1
94123	Marina, Cow Hollow		100	100	3
94119	P.O Box		44	44	1
<b>Grand Total</b>		<b>101,228</b>	<b>312,915</b>	<b>414,143</b>	<b>1,248</b>

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- Laborers living in San Francisco have worked more than half (**51.9%**) of San Francisco’s 414,143 total hours.
- San Francisco apprentice Laborers have worked nearly half (**46.8%**) of the 101,228 hours worked by San Francisco apprentices.

**Table 7. Worker Residence by Craft**

		Laborer	Operating Engineer	Electrician	Carpenter	Painter	Plumber	All Others	SSIP Grand Total
ALL WORKERS	<b>Total Hours</b>	541,133	203,918	120,706	99,365	52,538	39,115	137,985	<b>1,194,759</b>
	<b>Craft Total of SSIP Total</b>	45.3%	17.1%	10.1%	8.3%	4.4%	3.3%	11.5%	
	<b>San Francisco Hours</b>	214,967	64,115	43,835	27,903	9,453	14,131	39,740	<b>414,143</b>
	<b>SF Craft % of Total SF Hours</b>	51.9%	15.5%	10.6%	6.7%	2.3%	3.4%	9.6%	
	<b>Regional Service Territory Hours</b>	111,998	55,232	19,752	10,854	6,538	9,254	38,349	<b>251,975</b>
	<b>% Rgnl Serv Trt Hrs of Total Rgnl Serv Trt Hrs</b>	44.5%	21.9%	7.8%	4.3%	2.6%	3.7%	15.2%	
		Laborer	Electrician	Carpenter	Operating Engineer	Painter	Plumber	All Others	SSIP Grand Total
APPRENTICES	<b>Total Hours</b>	58,396	23,454	22,714	12,463	11,718	9,314	19,881	<b>157,939</b>
	<b>Craft Total of SSIP Total</b>	37.0%	14.8%	14.4%	7.9%	7.4%	5.9%	12.6%	
	<b>San Francisco Hours</b>	47,386	17,314	9,289	9,629	3,413	4,647	9,551	<b>101,228</b>
	<b>SF Craft % of SF SSIP Total</b>	46.8%	17.1%	9.2%	9.5%	3.4%	4.6%	9.4%	
	<b>Regional Service Territory Hours</b>	2,059	2,369	3,776	1,667	681	2,591	4,530	<b>17,672</b>
	<b>% Rgnl Serv Trt Hrs of Total Rgnl Srv Trt Hrs</b>	11.7%	13.4%	21.4%	9.4%	3.9%	14.7%	25.6%	

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- The overall participation rate of San Francisco workers on SSIP projects is currently **34.7%**.
- WW-541 SEP Oxygen Generation Plant Replacement has the highest local worker participation to date on SSIP, with workers living in San Francisco having worked 74.5% of the project's total hours.

**Table 8. Worker Residence by Project**

Sorted by percentage of San Francisco hours as a percentage of total project hours

Project	Hours			% of Total Project Hours			
	Outside	San Francisco	Service Territory	Grand Total	Outside	San Francisco	Service Territory
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-702R - Jackson, Griffith, and Pierce Streets Combined Sewer Discharge Rehabilitation and Backflow Prevention	357	917		1,274	28.0%	72.0%	0.0%
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-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-682R - Southeast Community Center at 1550 Evans	18,424	29,634	12,819	60,877	30.3%	48.7%	21.1%
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-696 - Cargo Way Flush Line	966	747	130	1,843	52.4%	40.5%	7.0%
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-687 - Force Main Rehabilitation at Embarcadero and Jackson	3,390	3,210	2,009	8,609	39.4%	37.3%	23.3%
WW-639 - Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrades	10,250	9,941	7,147	27,338	37.5%	36.4%	26.1%
WW-647R - Southeast Water Pollution Control Plant Biosolids Digester Facilities Project	72,141	76,630	67,714	216,486	33.3%	35.4%	31.3%
WW-662R - Southeast Water Pollution Control Plant Power Feed and Primary Switchgear Upgrades	578	529	414	1,521	38.0%	34.8%	27.2%
WW-610R - Visitacion Valley Green Nodes, Rutland Street Sewer, and Sunnydale Pavement Improvements	7,060	6,518	5,350	18,928	37.3%	34.4%	28.3%
WW-665 - Southeast Water Pollution Control Plant 042 Rehabilitation and Seismic Retrofit	11,806	8,124	4,496	24,426	48.3%	33.3%	18.4%
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-628 - Southeast Water Pollution Control Plant New Headworks Facility	110,976	74,035	39,726	224,737	49.4%	32.9%	17.7%
WW-667 Mariposa Dry-Weather Pump Station	14,240	7,424	1,656	23,319	61.1%	31.8%	7.1%
WW-605R Mission and Valencia Streets Green Gateway	8,869	5,943	5,187	19,998	44.4%	29.7%	25.9%
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	11,188	3,448	400	15,036	74.4%	22.9%	2.7%
WW-703 - Mission Street, 16th to Cesar Chavez, Brick Sewer Rehabilitation	1,654	658	693	3,005	55.0%	21.9%	23.1%
WW-658 - As-Needed Sewer Cleaning and Inspection of Large Sewers	2,287	835	901	4,023	56.9%	20.8%	22.4%
WW-614R2 - North Point Outfall Rehabilitation	24,551	2,971	8,398	35,920	68.3%	8.3%	23.4%
<b>Grand Total</b>	<b>528,641</b>	<b>414,143</b>	<b>251,975</b>	<b>1,194,759</b>	<b>44.2%</b>	<b>34.7%</b>	<b>21.1%</b>

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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, 13.6% 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 10.8% of the Laborers’ 541,133 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%
Metal Roofing Systems Installer	72	93	165	43.6%
Iron Worker	8,266	22,068	30,335	27.3%
Plumber	9,314	29,801	39,115	23.8%
Carpenter	22,714	76,651	99,365	22.9%
Painter	11,718	40,820	52,538	22.3%
Electrician	23,454	97,252	120,706	19.4%
Field Surveyor	1,238	5,590	6,828	18.1%
Cement Mason	3,499	17,000	20,499	17.1%
Roofer	274	1,396	1,670	16.4%
Sheet Metal Worker	2,512	12,982	15,494	16.2%
Pile Driver	2,995	17,867	20,862	14.4%
Laborer	58,396	482,738	541,133	10.8%
Drywall Installer/Lather	108	913	1,021	10.5%
Electrical Utility Lineman	36	399	435	8.3%
Asbestos Worker	128	1,585	1,713	7.5%
Operating Engineer	12,463	191,455	203,918	6.1%
Building/Construction Inspector	48	1,402	1,449	3.3%
Plasterer	16	3,943	3,959	0.4%
Boilermaker		168	168	0.0%
Bricklayer		412	412	0.0%
Sprinklerfitters		26	26	0.0%
<b>Apprenticeable Subtotal</b>	<b>157,939</b>	<b>1,004,737</b>	<b>1,162,676</b>	<b>13.6%</b>
Teamster		20,738	20,738	0.0%
Driver		6,029	6,029	0.0%
Tunnel Worker		5,057	5,057	0.0%
Diver		261	261	0.0%
<b>Grand Total</b>	<b>157,939</b>	<b>1,036,821</b>	<b>1,194,759</b>	<b>13.2%</b>

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- WW-613 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 14.7%, or 33,030 out of 224,737 total project hours.

**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-682R - Southeast Community Center at 1550 Evans	12,583	48,295	60,877	20.7%
WW-651 - Griffith Pump Station Improvements	2,757	12,279	15,036	18.3%
WW-627R - Baker Beach Green Streets	4,685	21,517	26,202	17.9%
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-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	4,098	23,241	27,338	15.0%
WW-665 - Southeast Water Pollution Control Plant 042 Rehabilitation and Seismic Retrofit	3,642	20,785	24,426	14.9%
WW-628 - Southeast Water Pollution Control Plant New Headworks Facility	33,030	191,707	224,737	14.7%
WW-657R - Drumm & Jackson Streets Sewer Improvements	2,190	12,753	14,943	14.7%
WW-702R - Jackson, Griffith, and Pierce Streets Combined Sewer Discharge Rehabilitation and Backflow Prevention	175	1,099	1,274	13.7%
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-667 Mariposa Dry-Weather Pump Station	2,964	20,356	23,319	12.7%
WW-614R2 - North Point Outfall Rehabilitation	2,750	33,170	35,920	7.7%
WW-610R - Visitacion Valley Green Nodes, Rutland Street Sewer, and Sunnydale 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-647R - Southeast Water Pollution Control Plant Biosolids Digester Facilities Project	12,248	204,238	216,486	5.7%
WW-659 - Greenhouse Demolition at 1150 Phelps Street	147	3,299	3,446	4.3%
WW-703 - Mission Street, 16th to Cesar Chavez, Brick Sewer Rehabilitation	126	2,879	3,005	4.2%
WW-662R - Southeast Water Pollution Control Plant Power Feed and Primary Switchgear Upgrades	53	1,468	1,521	3.5%
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-696 - Cargo Way Flush Line	26	1,817	1,843	1.4%
WW-687 - Force Main Rehabilitation at Embarcadero and Jackson	80	8,529	8,609	0.9%
WW-658 - As-Needed Sewer Cleaning and Inspection of Large Sewers	14	4,009	4,023	0.3%
<b>Grand Total</b>	<b>157,939</b>	<b>1,036,821</b>	<b>1,194,759</b>	<b>13.2%</b>



## 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.

- 1,691 pre-employment tests have been administered on SSIP, with a total non-negative screening rate of **2.4%**. This rate is below the national average for the construction industry which is around 5% according to the U.S. Department of Labor.
- During the quarter, 307 pre-employment substance abuse screenings were administered, and five (5) individuals were prevented from working as the result of a non-negative test.

**Table 11. Workers’ Pre-Employment Clearance Data**

<b>SSIP - Covered by PLA Substance Abuse Testing Summary</b>	
Tests Administered to Individuals Cleared to Work Through 03/31/2021	
Project	Number Cleared
WW-647R - SEP Biosolids Digester Facilities Project	776
WW-682R - Southeast Community Center at 1550 Evans	435
WW-628 - SEP New Headworks Facility	199
WW-614R2 -North Point Outfall Rehabilitation	116
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
<b>Total Cleared</b>	<b>1,652</b>

## **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.