HETCH HETCHY
WATER SYSTEM IMPROVEMENT PROGRAM

# Water System Improvement Program
# Project Labor Agreement

## Quarterly Report
## Quarter Ended September 30, 2020
## (First Quarter FY 2020-2021)

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

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## Executive Summary

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

Progress on WSIP construction projects provides employment for construction workers employed by union-signatory and non-union construction contractors. Fifty-eight (58) WSIP contracts have been awarded subject to the WSIP PLA in the amount of $2.216 billion in original contract award through September 30, 2020.

Construction Activity Highlights – *Program-to-Date*

**Contracting:**

- Fifty-eight (58) construction contracts with a value of $2.216 billion in original contract award have been awarded subject to the WSIP PLA.

**Employment:**

- Since inception, 15,608 construction workers were employed for 8,707,072 hours and earned wages of $ $349,599,322 on WSIP PLA-covered projects.

- 1,441 San Francisco residents worked 625,192 hours and earned $ $24,322,954 on WSIP PLA-covered projects representing 7% of covered hours and 301 full-time equivalent worker years.

- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. 6,364 residents of the Regional Service Territory earned wages of $ $133,332,110 and worked 3,432,067 hours, representing 39% of covered hours and 1,650 full-time equivalent worker years.

- 15,129 pre-employment substance abuse tests have been administered to employees cleared to work on WSIP PLA-covered projects as of September 30, 2020. 202 people were prevented from working on WSIP PLA-covered projects due to receiving a non-negative result.

| Region of Worker Residence | Inception Through September 30, 2020 | | | |
|---|---|---|---|---|
| | Worker Count | Sum of Hours | Sum of Wages | FTE |
| All Workers | 15,608 | 8,707,072 | $ 349,599,322 | 4,186 |
| | | | | |
| San Francisco | 1,441 | 625,192 | $ 24,322,954 | 301 |
| | | | | |
| SFPUC Service Territory | 6,364 | 3,432,067 | $ 133,332,110 | 1,650 |
| | | | | |
| Outside | 7,816 | 4,649,814 | $ 191,944,258 | 2,235 |

Construction Activity Highlights – *Quarter Ending September 30, 2020*

**Contracting:**

- There were no contracts awarded during the reporting period.

**Employment:**

- 358 construction workers were employed for 44,162 hours and earned wages of $2,554,622 on WSIP PLA-covered projects.

- 67 San Francisco residents worked 8,448 hours and earned wages of $543,883 on WSIP PLA-covered projects.

- The SFPUC Regional Service Territory consists of zip codes in seven counties outside of San Francisco, both in the vicinity of WSIP construction and within which the SFPUC delivers water. During this quarter, 116 residents of the Regional Service Territory worked 14,462 hours and earned wages of $791,756 on WSIP PLA-covered projects.

- 43 pre-employment substance abuse screenings were administered under the provisions of the WSIP PLA Substance Abuse Policy and no individuals were prevented from working as the result of a positive test.

**Summary of Craft Worker Employment**

| Region of Worker Residence | Three Months Ending September 30, 2020 | | | |
|---|---|---|---|---|
| | Worker Count | Sum of Hours | Sum Of Wages | FTE* |
| All Workers | 358 | 44,162 | $ 2,554,622 | 21 |
| | | | | |
| San Francisco | 67 | 8,448 | $ 543,883 | 4 |
| | | | | |
| SFPUC Service Territory | 116 | 14,462 | $ 791,756 | 7 |
| | | | | |
| Outside | 175 | 21,252 | $ 1,218,984 | 10 |

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

# Summary of WSIP PLA-Covered Contract Awards

Sorted by Award Date

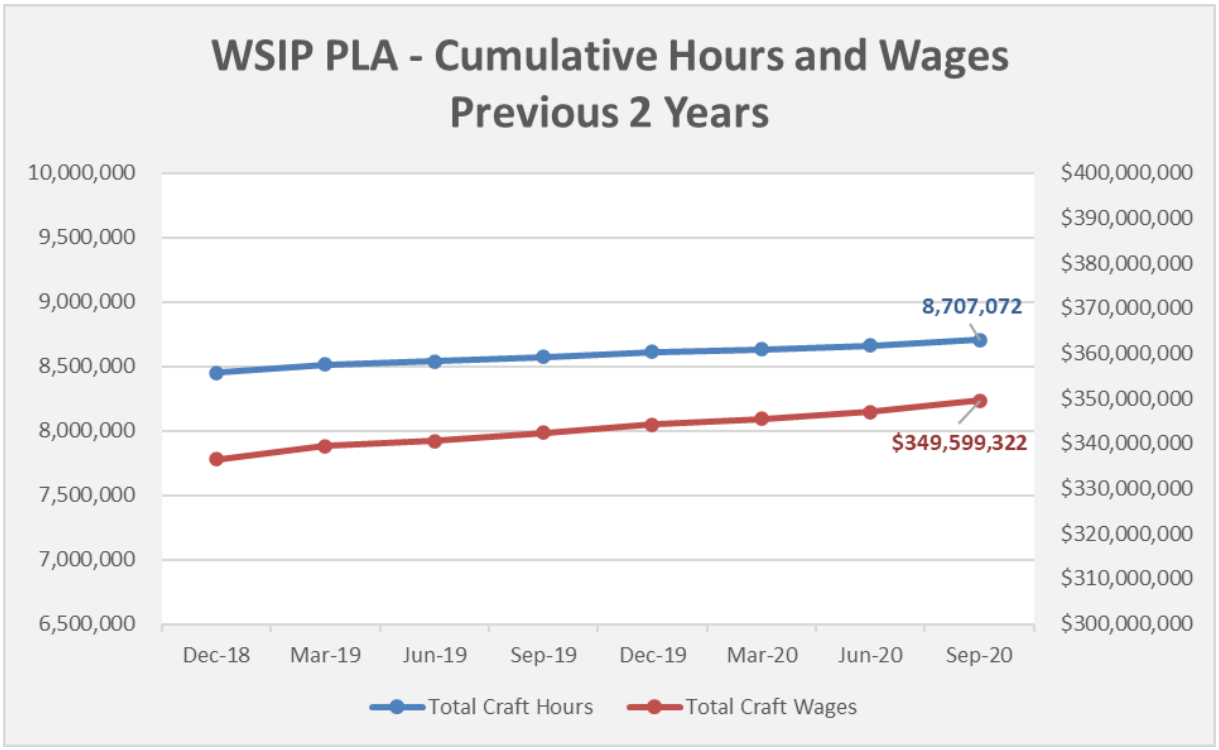
| Construction Contracts Awarded Subject to the WSIP-PLA | | | | | |
|---|---|---|---|---|---|
| Inception through September 30, 2020 | | | | | |
| **Award Date** | **Contract No.** | **Prime Contractor** | **Project** | **Engineer's Estimate** | **Award $** |
| 04/23/19 | WD-2797* | JMB Construction | San Francisco Westside Recycled Water Pump Station a | $20 Million | $ 15,633,200 |
| 03/12/19 | WD-2855 | Sukut Construction, LLC, | Turner Dam Spillway and Pond F3 East Erosion Repair | $2.9 Million | $ 1,498,010 |
| 01/22/19 | WD-2822R2 | Anvil Builders Inc | Lower Crystal Springs Dam Stilling Basin Connecting Ch | $5.8 Million | $ 4,784,700 |
| 01/22/19 | WD-2829R | Ranger Pipelines Inc. | San Andreas Pipeline No. 2 Replacement | $29 to $34 Million | $ 32,087,200 |
| 05/09/17 | WD-2776* | S.J. Amoroso Construction Co., Inc. | San Francisco Westside Recycled Water Treatment Facil | $70 to 80 Million | $ 87,597,000 |
| 01/24/17 | WD-2809* | Western Water Constructors, Inc. | San Francisco Groundwater Supply Phase 2 | $11.2 Million | $ 9,780,000 |
| 11/08/16 | WD-2798* | JMB CONSTRUCTION INC | San Francisco Westside Recycled Water Pipeline | $28.6 Million | $ 21,729,720 |
| 01/12/16 | WD-2729 | Shimmick Construction | Fish Passage Facilities Within the Alameda Creek Wate | $30 Million | $ 28,939,300 |
| 10/27/15 | WD-2654R | NTK Construction | Peninsula Vegetation Removal | $10.8 Million | $ 11,062,544 |
| 01/13/15 | WD-2621R* | Western Water Constructors, Inc. | San Francisco Groundwater Supply Well Stations | $16 Million | $ 14,955,100 |
| 01/13/15 | WD-2668 | Ranger Pipelines Inc | Regional Groundwater Storage and Recovery | $50 Million | $ 42,980,047 |
| 05/27/14 | WD-2622* | Ranger Pipelines Inc | San Francisco Groundwater Supply Pipeline | $13.6 Million | $ 8,676,685 |
| 01/28/14 | WD-2727 | Ranger Pipelines Inc | Peninsula Pipeline Seismic Upgrade | $22.5 Million | $ 20,736,380 |
| 01/22/13 | WD-2575 | Ranger Pipelines Inc | San Antonio Backup Pipeline | $34 to $38 Million | $ 31,372,335 |
| 06/26/12 | WD-2627R* | S.J.Amoroso | Sutro Reservoir Rehabilitation | $28 to $36 Million | $ 27,453,000 |
| 06/26/12 | WD-2666 | Shimmick Construction | Bioregional Habitat Restoration, Sheep Camp Creek | $2.7 Million | $ 3,912,500 |
| 06/12/12 | WD-2629 | Steve P. Rados | Bay Division Pipeline 3&4 at the Hayward Fault | $49 to $54 Million | $ 31,320,000 |
| 04/23/12 | WD-2651R | Shimmick Construction | Peninsula 2011 Watershed Compensation, Sherwood Pc | $5.9 to $6.7 Million | $ 5,591,750 |
| 12/13/11 | HH-953 | Azul Works, Inc. | Tesla Portal Protection | $2.4 Million | $ 2,760,000 |
| 12/13/11 | WD-2600* | Road Runner Drilling | Regional Groundwater Storage and Recovery-Test Well D | $3.6 to $4.2 Million | $ 2,998,685 |
| 12/13/11 | WD-2665 | Steve P. Rados | Cordilleras Micro Tunnel | $5.8 Million | $ 5,251,100 |
| 11/08/11 | WD-2652 | Gordon N. Ball, Inc | Bioregional Habitat Restoration, San Antonio Creek | $13 Million | $ 12,947,400 |
| 09/13/11 | WD-2641R | Yerba Buena Engineering | Habitat Reserve Program, Homestead Pond, San Andreas | $6.4 Million | $ 6,499,000 |
| 06/28/11 | WD-2640 | Yerba Buena Engineering | Bioregional Habitat Restoration - Goldfish Pond | $2.4 Million | $ 3,188,000 |
| 06/14/11 | HH-935C | Contri Constmction, | San Joaquin Pipeline System - Eastern Segment | $52 to $57 Million | $ 45,329,416 |
| 05/24/11 | WD-2551 | Dragados/Flatiron/Sukut JV | Calaveras Dam Replacement Project, | $250 to $300 Million | $ 259,571,850 |
| 01/27/11 | WD-2596 | Kiewit Infrastructure West | Harry Tracy Water Treatment Plant Long-Term | $220 to $245 Million | $ 174,197,000 |
| 01/11/11 | WD-2555 | Ranger Pipelines Inc | Crystal Springs Pipeline No.2 | $43 to $48 Million | $ 32,547,350 |
| 12/14/10 | HH-935B | Mountain Cascade, Inc | San Joaquin Pipeline - Western Segment | $70 Million | $ 48,706,379 |
| 12/14/10 | WD-2591 | Kiewit Infrastructure West | Lower Crystal Springs Dam Improvements | $18 to $22 Million | $ 17,360,400 |
| 09/14/10 | WD-2601 | Kiewit Infrastructure West | Crystal Springs / San Andreas Upgrade | $100 to $130 Million | $ 99,763,000 |
| 09/14/10 | WD-2623* | R & W Concrete | Harding Park Recycled Water Proiect | $6.5 Million | $ 5,251,100 |
| 06/08/10 | WD-2581 | Southland/Tutor Perini JV | New Irvington Tunnel | $230 to $260 Million | $ 226,657,700 |
| 04/27/10 | WD-2582 | Shimmick Construction | Sunol Valley Water Treatment Plant | $109 Million | $ 83,102,160 |
| 04/13/10 | HH-935A | West Bay Builders | San Joaquin Pipeline System - Crossovers | $21.6 Million | $ 11,723,817 |
| 12/18/09 | WD-2531 | Michels/JayDee/Coluccio, JV | Bay Tunnel | $235 to $260 Million | $ 215,294,530 |
| 12/08/09 | WD-2542 | Mountain Cascade, | Bay Division Pipeline No. 5 - Peninsula Reaches | $62 to $69 Million | $ 52,183,400 |
| 10/27/09 | WD-2541 | Ranger Pipelines Inc | Bay Division Pipeline Reliability Upgrade-East Bay | $88 to $98 Million | $ 61,558,005 |
| 10/27/09 | WD-2589 | Ranger Pipelines Inc | Supervisory Control and Data Acquisition Phase II | $10.6 Million | $ 3,847,250 |
| 09/22/09 | WD-2573 | S.J.Amoroso | Pulgas Reservoir Structural Rehabilitation | $14 to $18 Million | $ 12,857,000 |
| 09/08/09 | WD-2566 | Mountain Cascade | San Antonio Pump Station Upgrades Project | $8.5 to $9.5 Million | $ 6,991,000 |
| 07/14/09 | HH-914R | Mountain Cascade | Roselle Crossover Improvements | $3.1 Million | $ 2,837,000 |
| 06/23/09 | WD-2513 | Mountain Cascade | San Andreas Pipeline No.3 Installation Project | $20 to $25 Million | $ 16,336,350 |
| 06/23/09 | WD-2539* | S.J. Amoroso | University Mound Reservoir North Basin | $47 to $52 Million | $ 29,597,000 |
| 05/26/09 | WD-2552 | Steve P. Rados | Alameda Siphon No. 4 Project | $45.5 Million | $ 31,933,695 |
| 04/28/09 | WD-2568 | Shimmick Construction | BDPL Nos. 3&4 Crossover Facilities | $21.5 Million | $ 12,695,000 |
| 04/17/09 | WD-2548* | Western Water | Lake Merced Pump Station Essential Upgrades | $52 to $60 Million | $ 31,584,000 |
| 03/10/09 | CS-936* | VSI Meter Services | Advanced Meter Infrastructure | $62.8 Million | $ 62,822,980 |
| 02/24/09 | WD-2556 | JMB Construction | Baden and San Pedro Valve Lot Improvements | $15 to $18 Million | $ 11,536,500 |
| 12/09/08 | WD-2529* | KJ Woods | Noe Valley Transmission Main- Phase 2 | $6 to $8 Million | $ 5,724,000 |
| 10/14/08 | WD-2498 | Shank/Balfour-Beatty | New Crystal Springs Bypass Tunnel | $55 to $65 Million | $ 55,674,000 |
| 09/23/08 | DB-116 | PCL Constructors | Tesla Treatment Facility | $90 Million | $ 81,420,562 |
| 09/09/08 | WD-2543* | Shaw Pipeline Inc. | North University Mound System Upgrade | $15 to $18 Million | $ 13,529,370 |
| 05/27/08 | WD-2564 | NTK Construction | Harry Tracy Water Treatment Plant-Short Term | $15 to $18 Million | $ 13,824,000 |
| 12/11/07 | WD-2469* | Cal State Constructors | Forest Knolls Pump Station and Storage Tank | $5.5 to $7 Million | $ 6,547,000 |
| 12/07/07 | WD-2501* | Monterey Mechanical | Alemany Pump Station | $18 to $22 Million | $ 23,269,000 |
| 11/13/07 | WD-2511 | Power Engineering | Standby Power Facilities, Various Locations | $5.7 Million | $ 8,419,000 |
| 06/26/07 | WD-2504* | S.J. Amoroso | Stanford Heights Reservoir Seismic Retrofit | $18 to $24 Million | $ 17,899,960 |
| **Total 58 Projects** | | | | | **$ 2,216,344,430** |

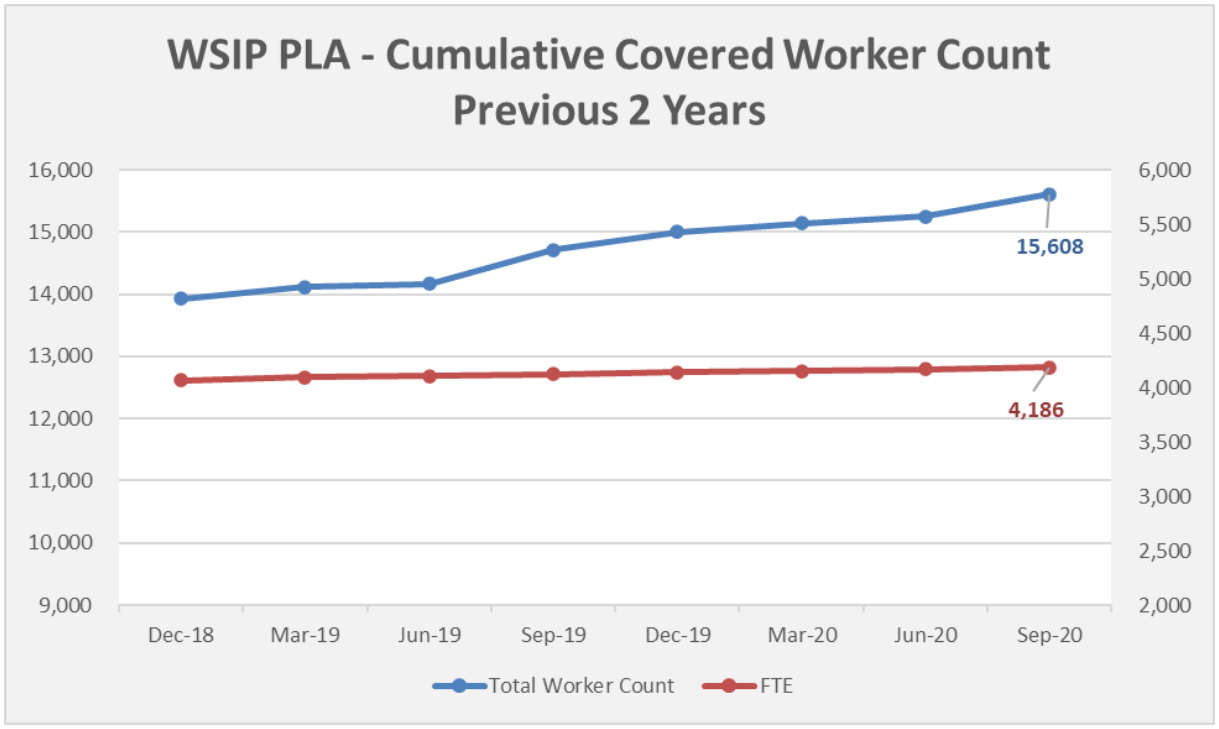
*indicates projects located in San Francisco

**Summary Charts**

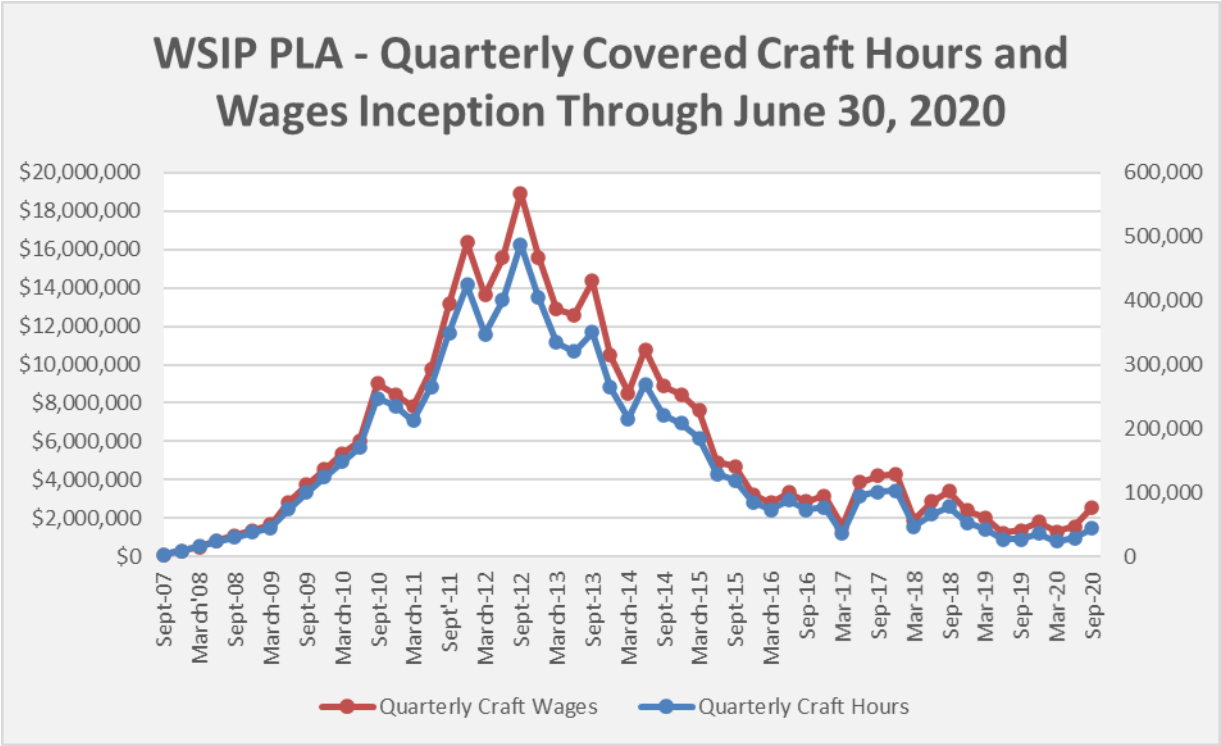
From the inception of the WSIP Project Labor Agreement in March 2007 through the current quarter ending September 30, 2020; 15,608 workers on WSIP PLA-covered projects have achieved a cumulative total of 8,707,072 craft hours and $349,599,322 in craft wages.

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

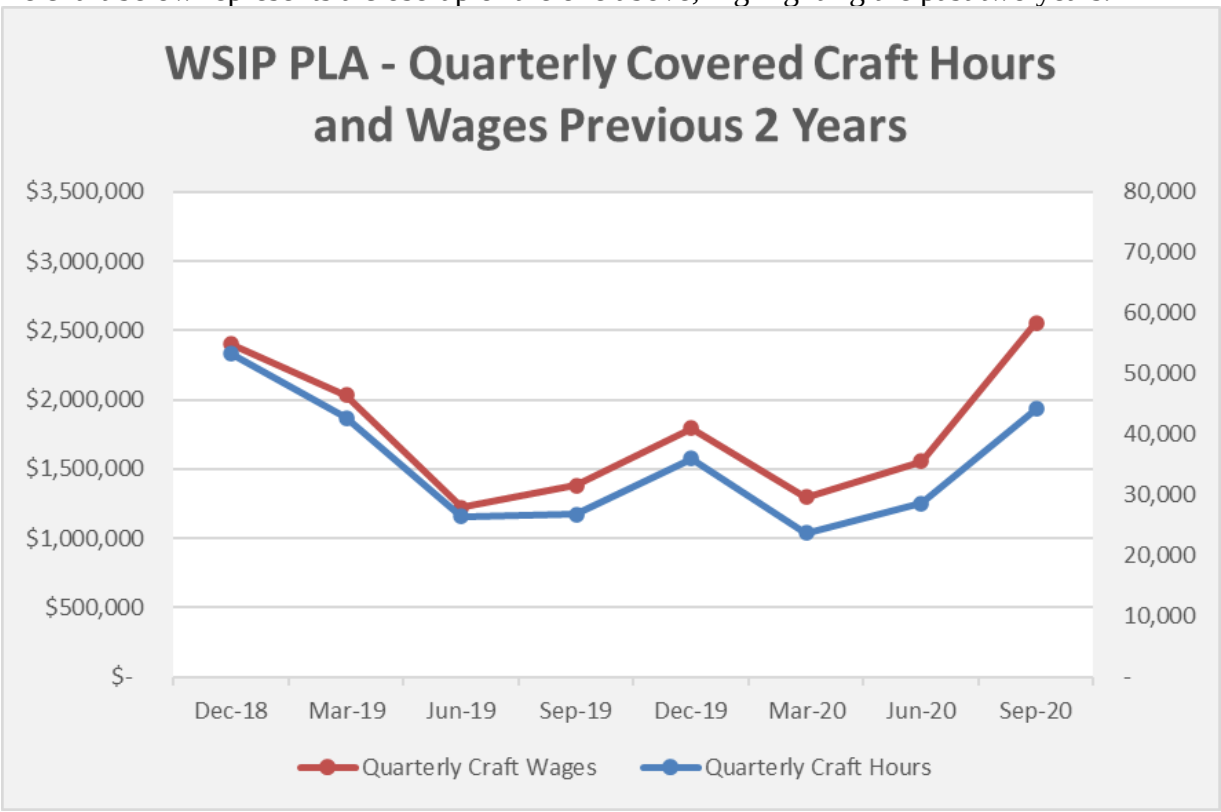


The top chart on this page illustrates the values recorded *during* each quarter since inception. With the program surpassing 98% total completion, Craft Hours have and will likely continue to trend down until total completion.




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



## Craft Utilization on WSIP PLA-Covered Projects

As of September 30, 2020, contractors reported craft hours in 54 craft worker classifications that the SFPUC summarizes into 31 craft areas.

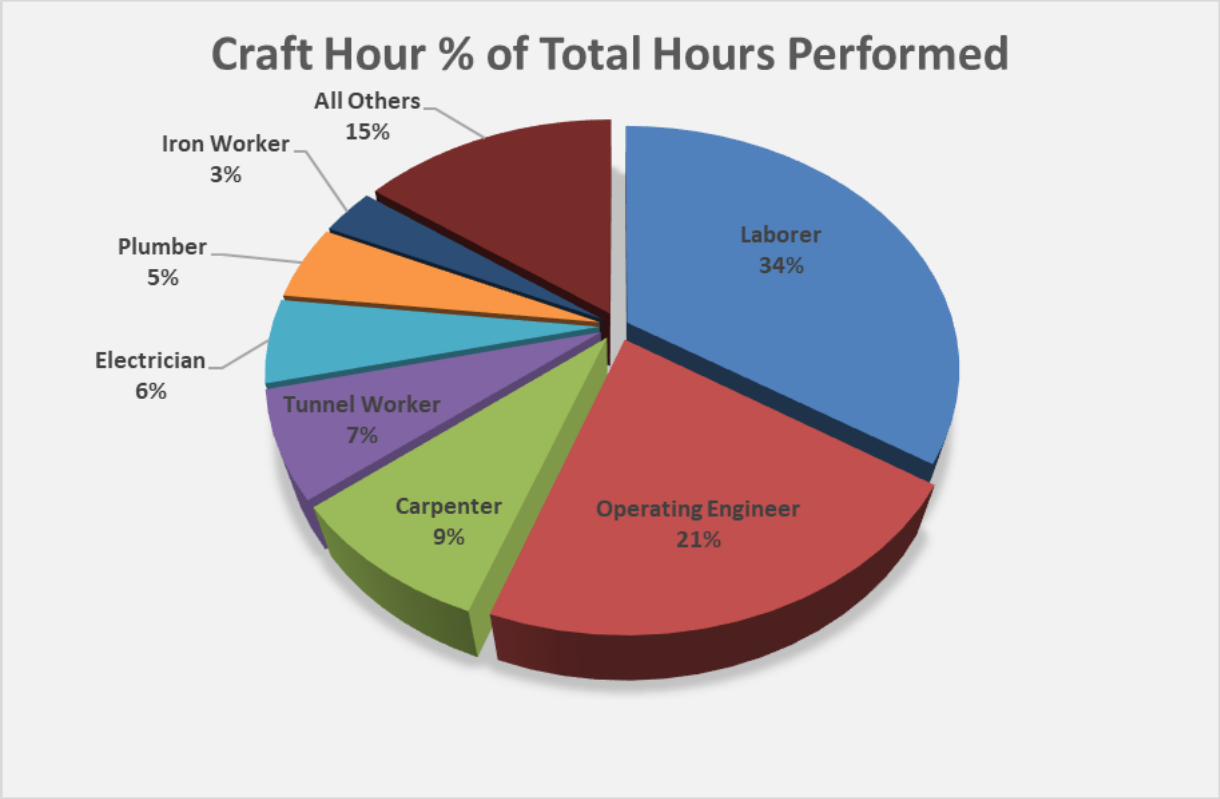
Illustrated here and in the following pages, Laborers, Operating Engineers, Carpenters, and Tunnel Workers, respectively, represent the majority of WSIP PLA craft workers to date. The Plumbers craft numbers include the Advanced Meter Infrastructure (AMI) project which was almost completely performed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

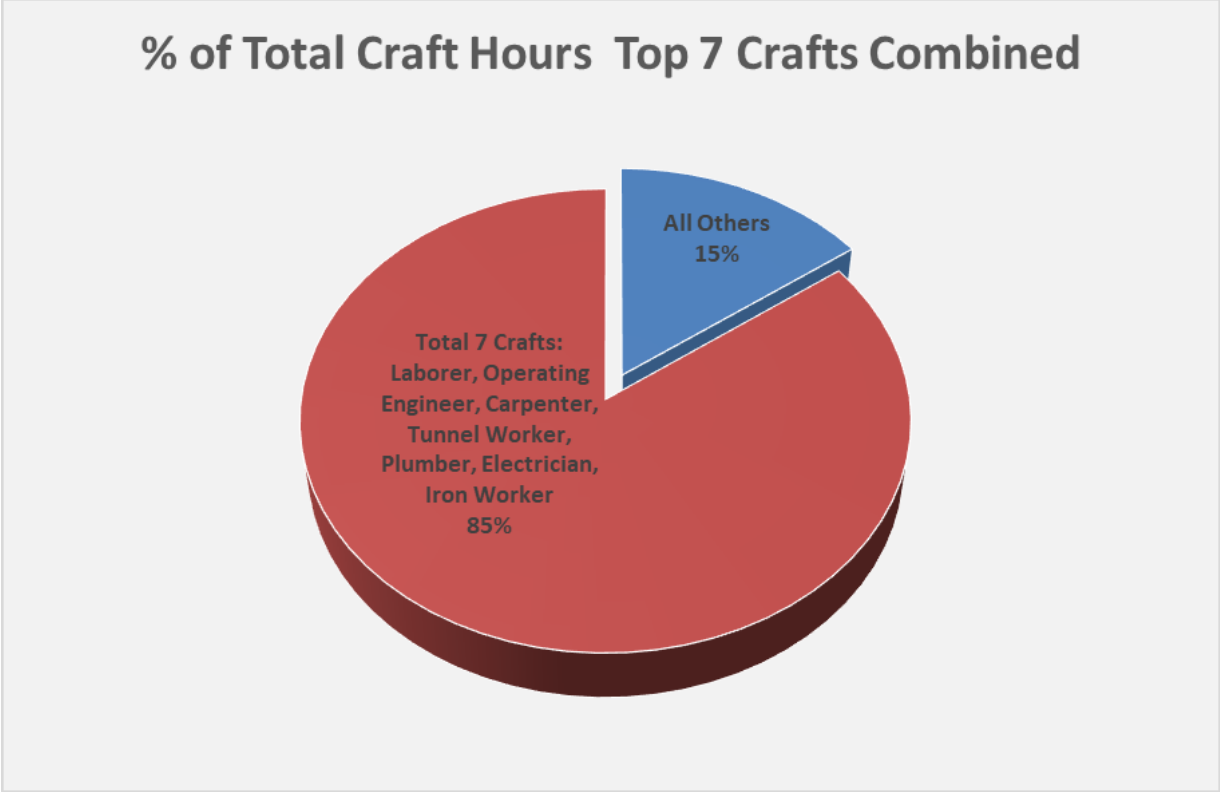
Sorted by Total Craft Hours

**Cumulative Employment by Craft**
Inception Through September 30, 2020

| Craft | Total Hours | Total Wages | % Craft Hours of Total Hours | % Wages of Total Wages | FTE |
|---|---|---|---|---|---|
| Laborer | 2,981,276 | $ 92,924,226 | 34.2% | 26.6% | 1,433 |
| Operating Engineer | 1,855,893 | $ 78,331,336 | 21.3% | 22.4% | 892 |
| Carpenter | 763,657 | $ 32,677,266 | 8.8% | 9.3% | 367 |
| Tunnel Worker | 612,964 | $ 26,175,557 | 7.0% | 7.5% | 295 |
| Electrician | 489,715 | $ 26,244,578 | 5.6% | 7.5% | 235 |
| Plumber | 443,834 | $ 21,304,286 | 5.1% | 6.1% | 213 |
| Iron Worker | 276,809 | $ 9,628,195 | 3.2% | 2.8% | 133 |
| **Top 7 Sub-Total** | **7,424,148** | **$ 287,285,444** | 85.3% | **82.2%** | **3,569** |
| Pile Driver | 181,764 | $ 9,710,884 | 2.1% | 2.8% | 87 |
| Painter | 151,639 | $ 5,972,798 | 1.7% | 1.7% | 73 |
| Cement Mason | 128,460 | $ 4,521,592 | 1.5% | 1.3% | 62 |
| Boilermaker | 121,771 | $ 6,494,850 | 1.4% | 1.9% | 59 |
| Building/Construction Inspector | 88,822 | $ 5,004,016 | 1.0% | 1.4% | 43 |
| Roofer | 49,025 | $ 1,661,611 | 0.6% | 0.5% | 24 |
| Sheet Metal Worker | 28,575 | $ 1,475,207 | 0.3% | 0.4% | 14 |
| Field Surveyor | 22,095 | $ 1,262,291 | 0.3% | 0.4% | 11 |
| Drywall Installer/Lather | 11,761 | $ 512,264 | 0.1% | 0.1% | 6 |
| Plasterer | 11,083 | $ 409,630 | 0.1% | 0.1% | 5 |
| Bricklayer | 8,899 | $ 341,242 | 0.1% | 0.1% | 4 |
| Electrical Utility Lineman | 6,909 | $ 425,367 | 0.1% | 0.1% | 3 |
| Glazier | 4,834 | $ 237,178 | 0.1% | 0.1% | 2 |
| Metal Roofing Systems Installer | 2,586 | $ 92,217 | 0.0% | 0.0% | 1 |
| Asbestos Worker, Heat and Frost Insul | 920 | $ 55,784 | 0.0% | 0.0% | 0 |
| Brick Tender | 895 | $ 30,418 | 0.0% | 0.0% | 0 |
| Driver | 557 | $ 56,185 | 0.0% | 0.0% | 0 |
| Carpet Layer | 354 | $ 16,311 | 0.0% | 0.0% | 0 |
| Tile Setter | 351 | $ 12,929 | 0.0% | 0.0% | 0 |
| Tile Finisher | 277 | $ 5,836 | 0.0% | 0.0% | 0 |
| Terrazzo Worker | 199 | $ 8,163 | 0.0% | 0.0% | 0 |
| Sprinkler Fitter | 64 | $ 4,417 | 0.0% | 0.0% | 0 |
| Marble Finisher | 40 | $ 1,342 | 0.0% | 0.0% | 0 |
| Terrazzo Finisher | 4 | $ 160 | 0.0% | 0.0% | 0 |
| **Remaining Apprenticeable Sub-Total** | **821,881** | **$ 38,312,694** | **9.4%** | **11.0%** | **395** |
| **Total Non-Apprenticeable** | **461,043** | **$ 24,001,183** | **5.3%** | **6.9%** | **222** |
| **Total WSIP-Covered by PLA** | **8,707,072** | **$ 349,599,322** | **100.0%** | **100.0%** | **4,186** |

This chart summarizes WSIP PLA-covered craft employment for trades with the largest number of craft hours as of September 30, 2020. Laborers, Operating Engineers, Carpenters, and Tunnel Workers combined represent 71% of craft hours worked on PLA-covered projects.

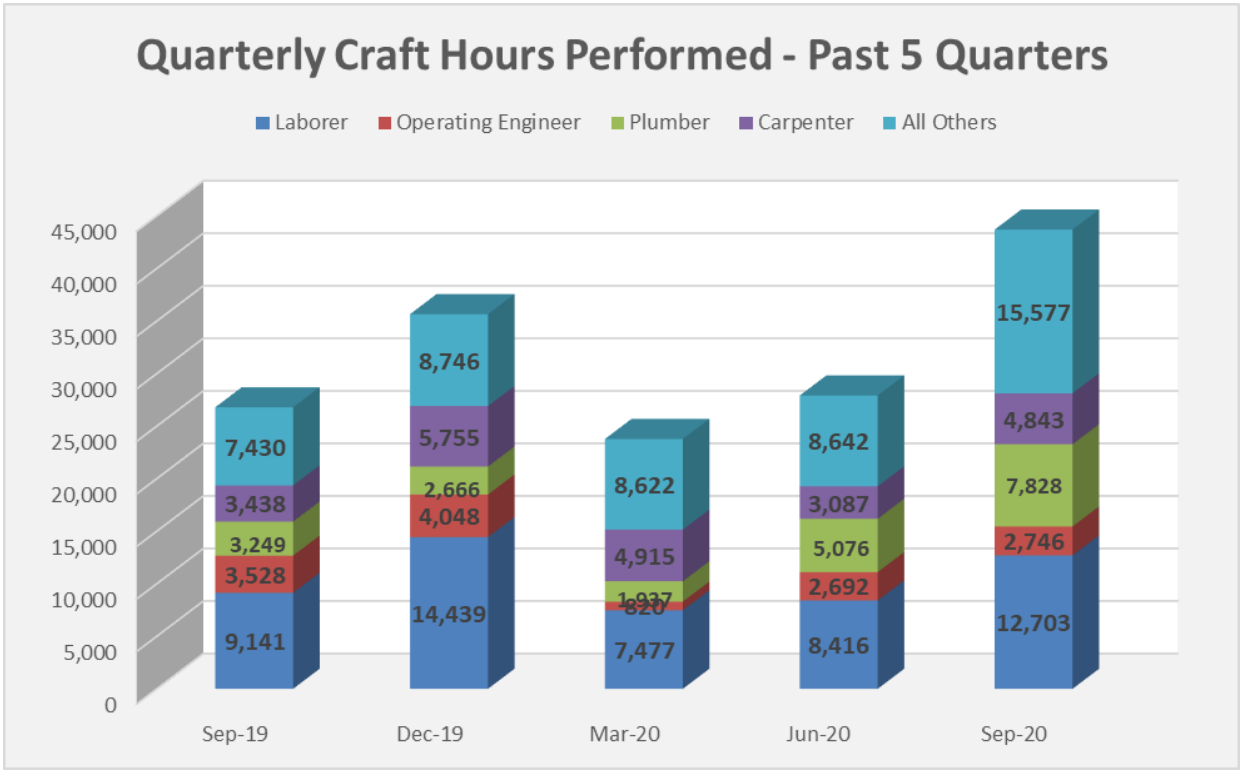


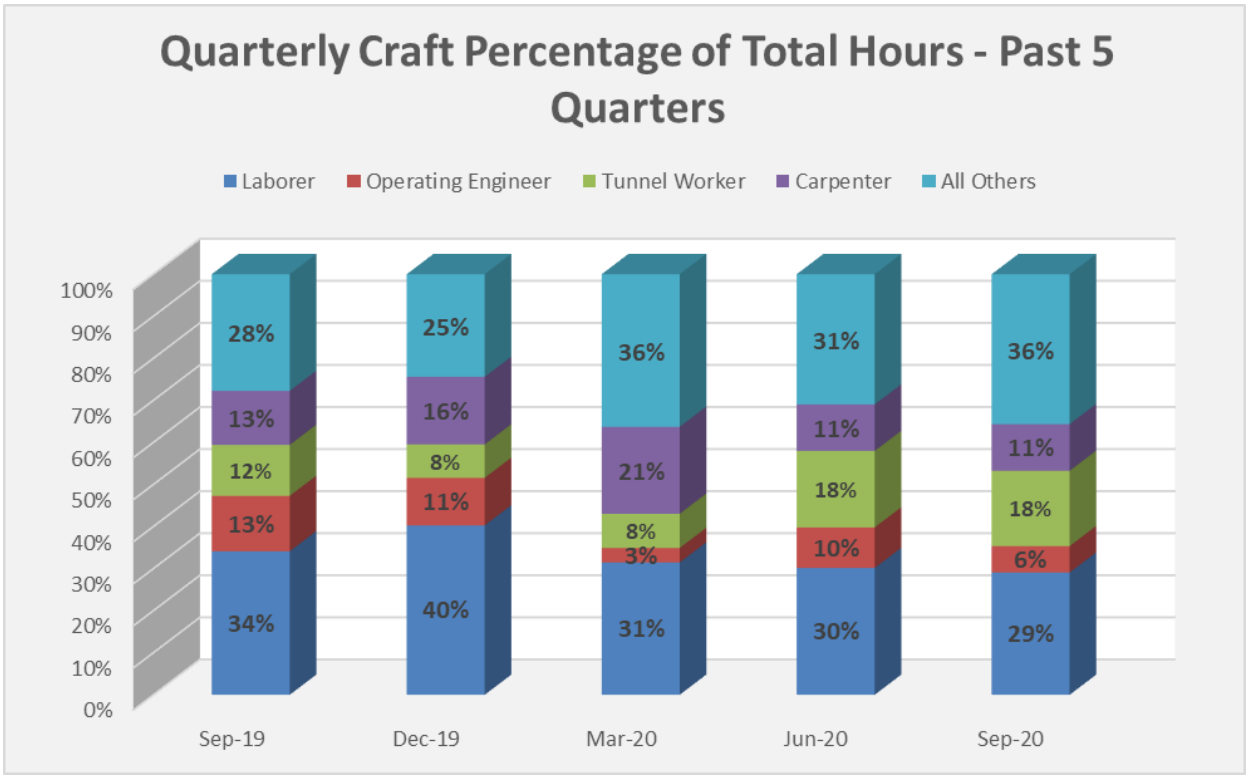



The table below reflects the values of hours and wages for each trade cumulatively since the inception of the WSIP and for the most recent reporting period.

| Craft | Total Cumulative Hours | Total Cumulative Wages | Quarter Ending 9-30-2020 Hours | Quarter Ending 9-30-2020 Wages |
|---|---|---|---|---|
| Laborer | 2,981,276 | $ 92,924,226 | 12,703 | $ 513,263 |
| Operating Engineer | 1,855,893 | $ 78,331,336 | 2,746 | $ 232,220 |
| Carpenter | 763,657 | $ 32,677,266 | 4,843 | $ 282,221 |
| Tunnel Worker | 612,964 | $ 26,175,557 | - | $ - |
| Electrician | 489,715 | $ 26,244,578 | 5,668 | $ 417,112 |
| Plumber | 443,834 | $ 21,304,286 | 7,828 | $ 533,690 |
| Iron Worker | 276,809 | $ 9,628,195 | 2,087 | $ 92,097 |
| Pile Driver | 181,764 | $ 9,710,884 | - | $ - |
| Painter | 151,639 | $ 5,972,798 | 1,535 | $ 75,966 |
| Cement Mason | 128,460 | $ 4,521,592 | 252 | $ 10,535 |
| Boilermaker | 121,771 | $ 6,494,850 | 488 | $ 33,620 |
| Building/Construction Inspector | 88,822 | $ 5,004,016 | 68 | $ 3,322 |
| Roofer | 49,025 | $ 1,661,611 | 12 | $ 517 |
| Sheet Metal Worker | 28,575 | $ 1,475,207 | 3,929 | $ 238,005 |
| Field Surveyor | 22,095 | $ 1,262,291 | - | $ - |
| Drywall Installer/Lather | 11,761 | $ 512,264 | 798 | $ 45,276 |
| Plasterer | 11,083 | $ 409,630 | 252 | $ 10,535 |
| Bricklayer | 8,899 | $ 341,242 | 24 | $ 1,076 |
| Electrical Utility Lineman | 6,909 | $ 425,367 | - | $ - |
| Glazier | 4,834 | $ 237,178 | 441 | $ 19,255 |
| Metal Roofing Systems Installer | 2,586 | $ 92,217 | - | $ - |
| Asbestos Worker, Heat and Frost Insulator | 920 | $ 55,784 | - | $ - |
| Brick Tender | 895 | $ 30,418 | - | $ - |
| Driver | 557 | $ 56,185 | 24 | $ 987 |
| Carpet Layer | 354 | $ 16,311 | - | $ - |
| Tile Setter | 351 | $ 12,929 | - | $ - |
| Tile Finisher | 277 | $ 5,836 | - | $ - |
| Terrazzo Worker | 199 | $ 8,163 | - | $ - |
| Sprinkler Fitter | 64 | $ 4,417 | - | $ - |
| Marble Finisher | 40 | $ 1,342 | - | $ - |
| Terrazzo Finisher | 4 | $ 160 | - | $ - |
| | **8,246,029** | **325,598,139** | **43,697** | **2,509,697** |
| | | | | |
| Teamster | 136,065 | $ 6,427,969 | - | $ - |
| Driver (On/Off-Hauling To/From Construction Site) | 99,543 | $ 7,464,064 | 433 | $ 43,906 |
| Operating Engineer (Heavy And Highway Work) (Specia | 95,289 | $ 4,512,513 | - | $ - |
| Tunnel/Underground (Operating Engineer-Heavy And Hig | 79,393 | $ 3,676,393 | - | $ - |
| Asbestos Removal Worker (Laborer) | 17,121 | $ 437,612 | 32 | $ 1,019 |
| Tunnel/Underground (Operating Engineer-Heavy And Hig | 13,201 | $ 590,532 | - | $ - |
| Water Well Driller | 12,313 | $ 608,914 | - | $ - |
| Tree Trimmer (High Voltage Line Clearance) | 1,422 | $ 36,006 | - | $ - |
| Telecommunications Technician | 1,160 | $ 37,245 | - | $ - |
| Landscape Maintenance Laborer | 1,131 | $ 32,404 | - | $ - |
| Steel Erector And Fabricator (Operating Engineer - Hea | 1,123 | $ 56,467 | - | $ - |
| Traffic Control/Lane Closure (Laborer) | 888 | $ 31,991 | - | $ - |
| Dredger Operating Engineer | 831 | $ 33,307 | - | $ - |
| Operating Engineer (Building Construction) | 635 | $ 24,810 | - | $ - |
| Slurry Seal Worker | 592 | $ 17,811 | - | $ - |
| Parking And Highway Improvement Painter (Painter) | 247 | $ 10,082 | - | $ - |
| Ironworker (Db) | 80 | $ 2,772 | - | $ - |
| Teamster (Special Single Shift Rate) | 11 | $ 291 | - | $ - |
| **Total Non-Apprenticeable** | **461,043** | **$ 24,001,183** | **465** | **$ 44,925** |
| **Total Apprenticable** | **8,246,029** | **$ 325,598,139** | **43,697** | **$ 2,509,697** |
| **Total WSIP PLA** | **8,707,072** | **$ 349,599,322** | **44,162** | **$ 2,554,622** |

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

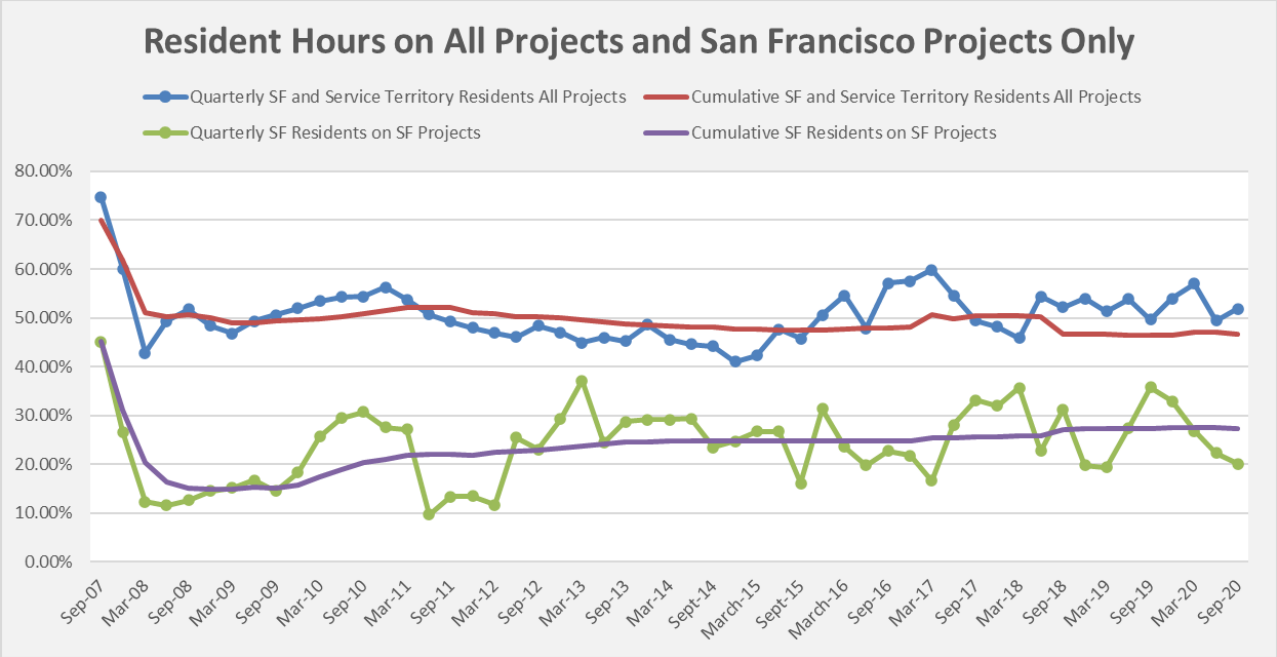


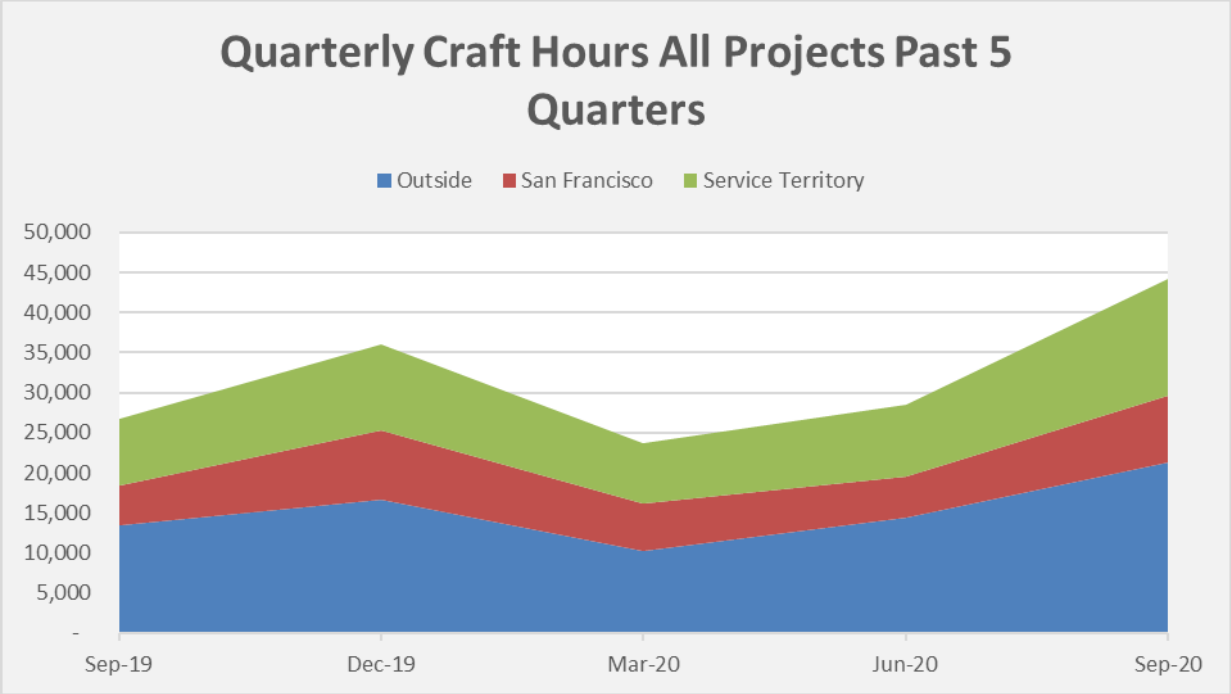
**Worker Residence on the WSIP PLA**

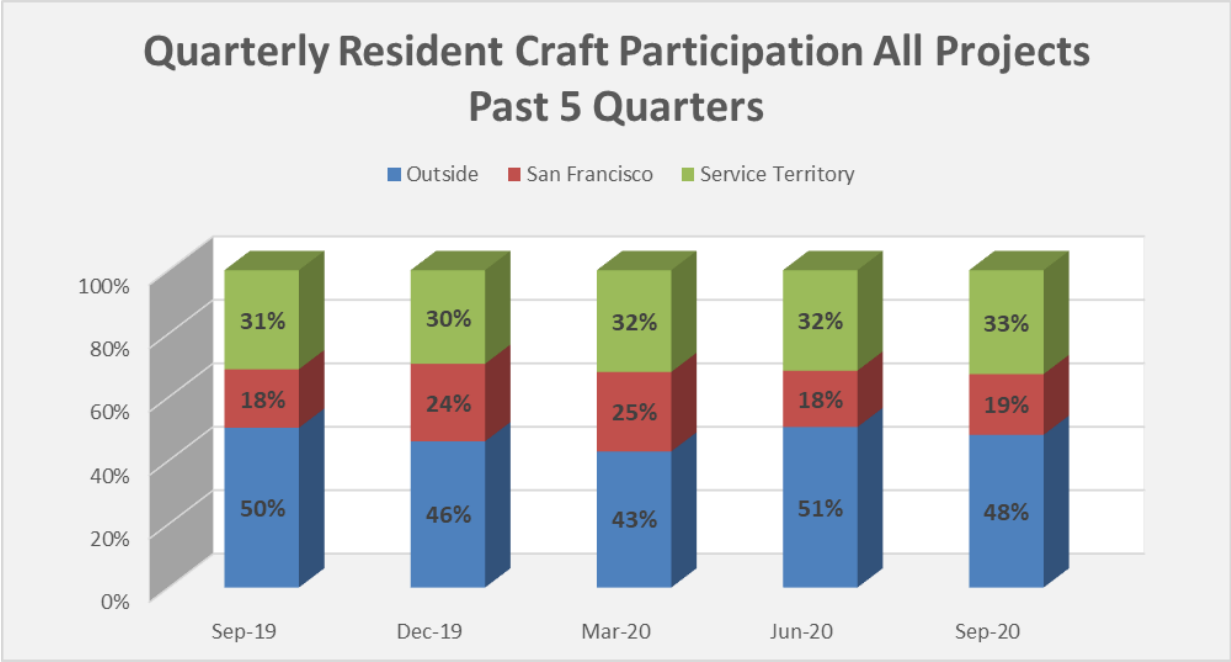
The Regional Service Territory, covering seven counties, is defined as zip codes outside San Francisco and within which the SFPUC delivers wholesale water, in addition to zip codes impacted by WSIP construction.

The following chart summarizes the employment percentages of residents of San Francisco and the Regional Service Territory on WSIP PLA-covered projects through September 30, 2020.

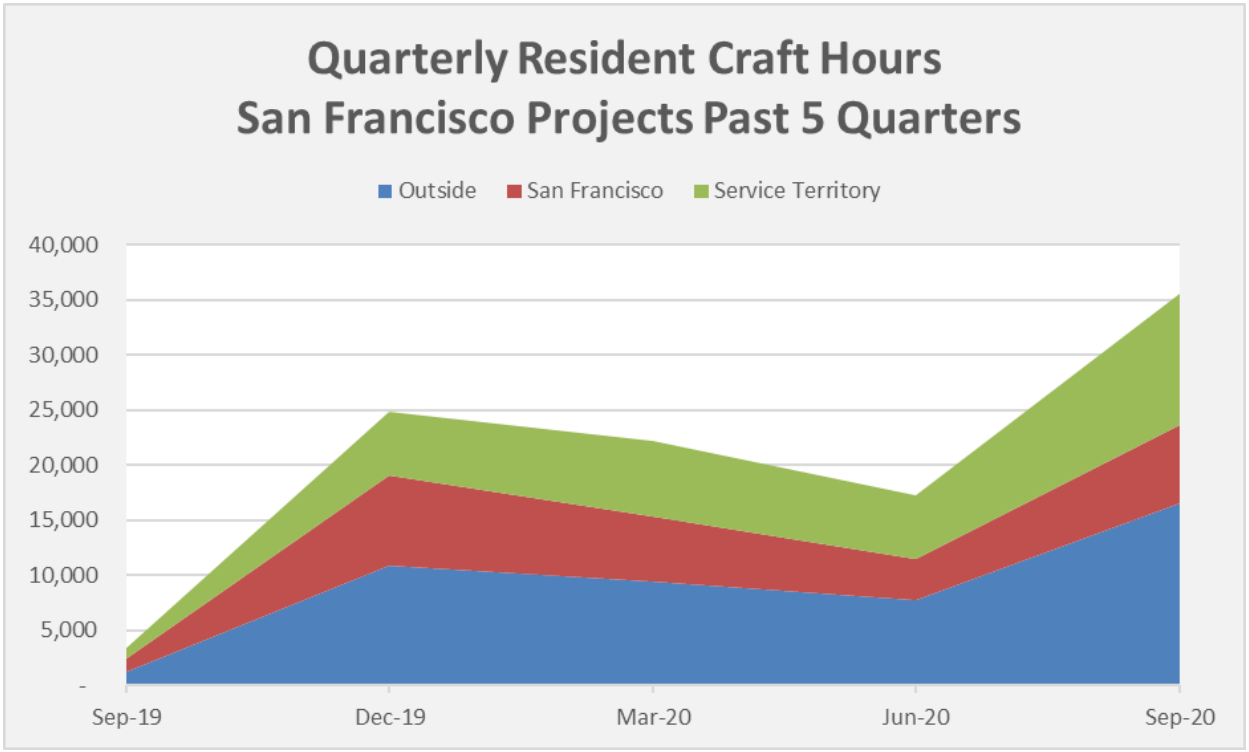


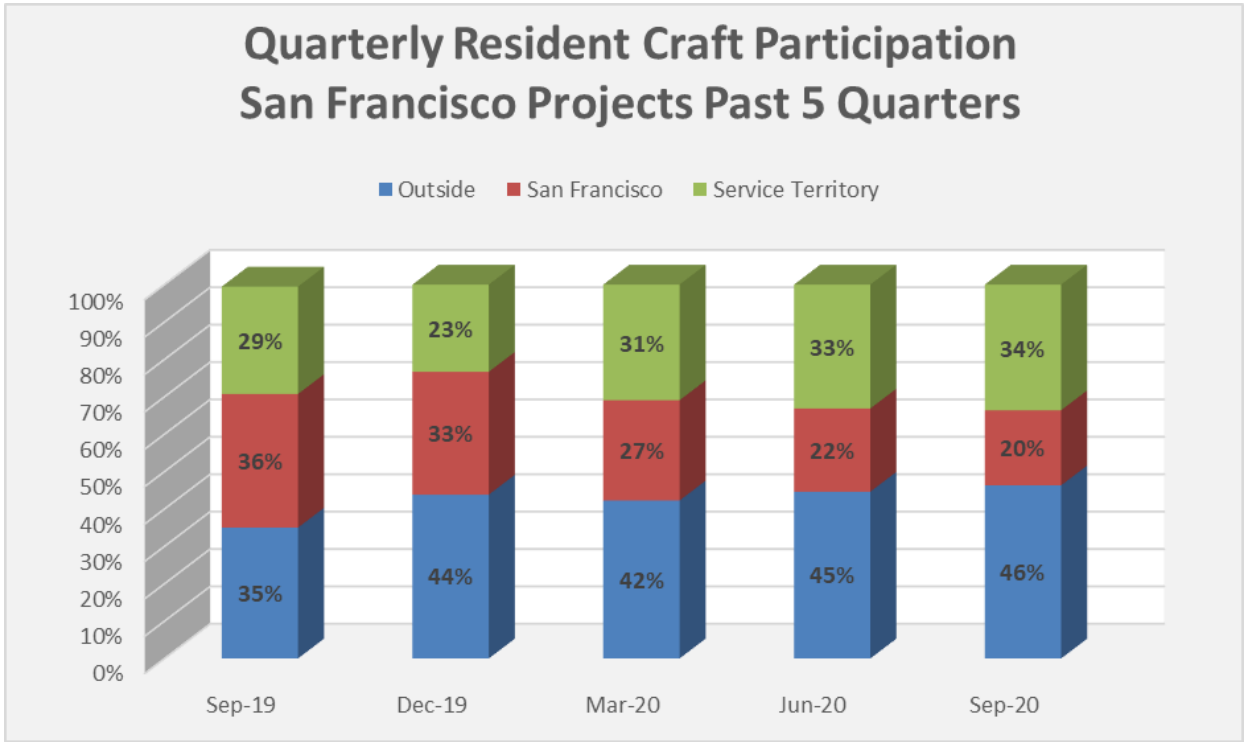
**Residence on *ALL* WSIP PLA Projects** - Charted are 58 of the 58 total projects covered under the WSIP PLA within San Francisco and the Service Territory.



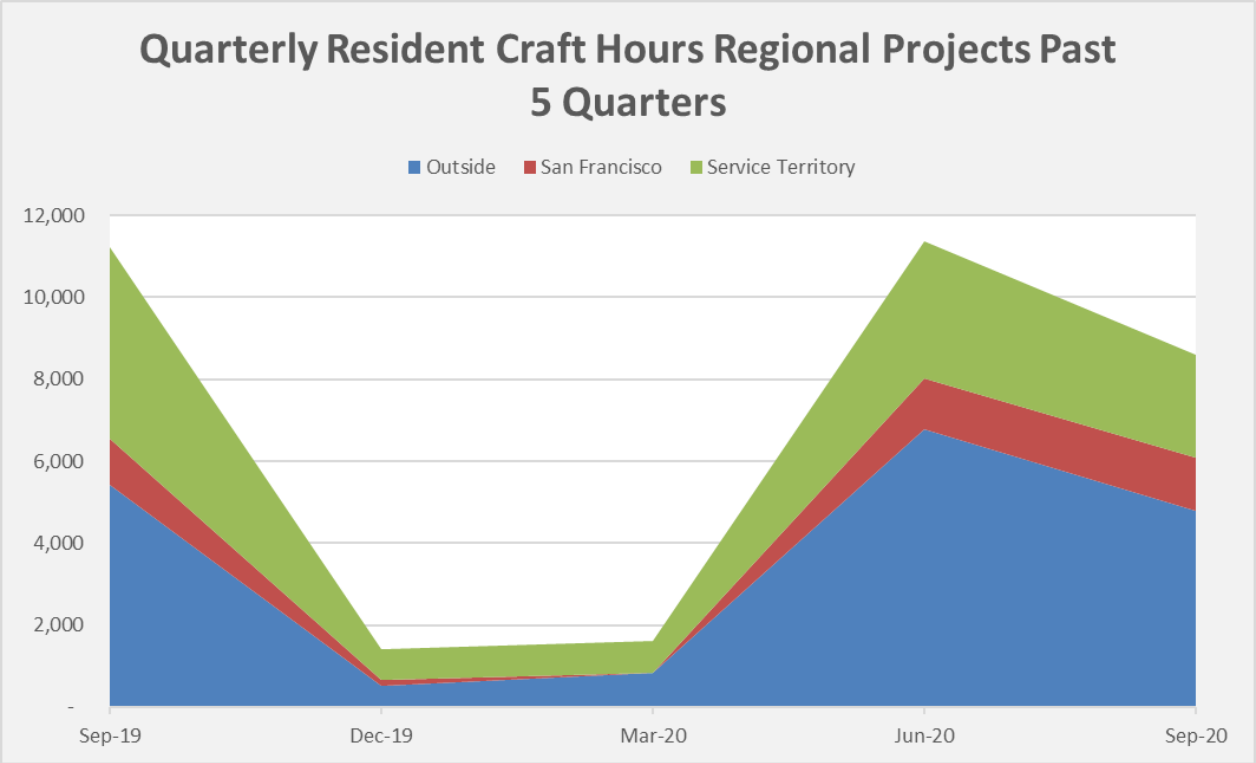



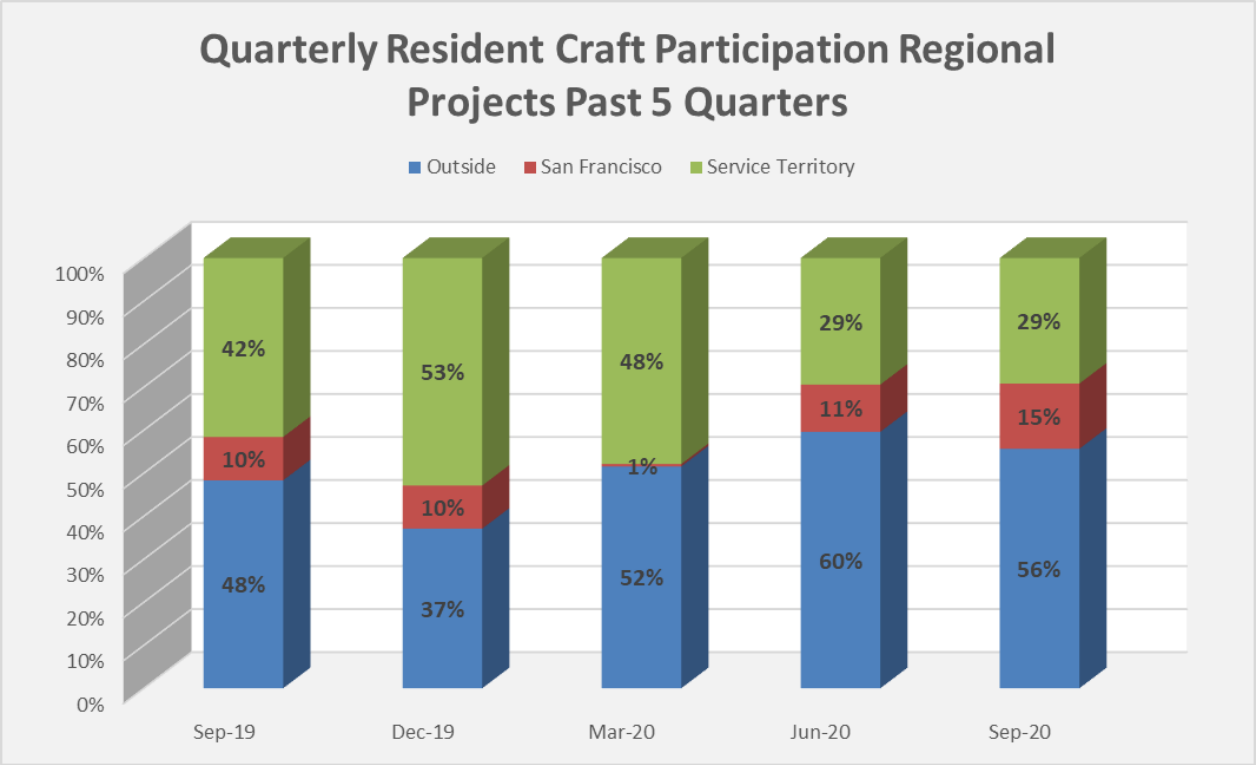
**Residence on *San Francisco-located* WSIP PLA Projects** - Charted are the 17 projects covered by the WSIP PLA located within San Francisco only.



**Residence on *Regionally-located* WSIP PLA Projects** - Charted are the 41 projects covered by the WSIP PLA located within the Regional Service Territory.



## Residence *by County*

Sorted by Total Craft Hours

| WSIP-PLA Employment by Top 20 Counties of Residence<br>Inception Through September 30,2020 | | | | | |
|---|---|---|---|---|---|
| **County** | **Total Craft Hours** | **Wages** | **% Craft Hours** | **Worker Count** | **FTE** |
| Alameda County | 1,549,768 | $ 58,225,647 | 17.8% | 2,990 | 745 |
| Contra Costa County | 1,232,388 | $ 48,988,776 | 14.2% | 2,086 | 592 |
| San Joaquin County | 841,208 | $ 31,924,949 | 9.7% | 1,297 | 404 |
| San Mateo County | 754,840 | $ 30,988,378 | 8.7% | 1,335 | 363 |
| **San Francisco County** | **625,192** | **$ 24,322,954** | **7.2%** | **1,441** | **301** |
| Santa Clara County | 454,515 | $ 18,307,914 | 5.2% | 1,319 | 219 |
| Solano County | 434,215 | $ 17,684,611 | 5.0% | 902 | 209 |
| Stanislaus County | 389,515 | $ 14,482,184 | 4.5% | 656 | 187 |
| Sacramento County | 352,453 | $ 14,531,445 | 4.0% | 650 | 169 |
| Butte County | 212,869 | $ 8,445,990 | 2.4% | 132 | 102 |
| Sonoma County | 192,489 | $ 7,997,642 | 2.2% | 390 | 93 |
| Placer County | 111,983 | $ 5,068,144 | 1.3% | 141 | 54 |
| Tuolumne County | 102,588 | $ 3,982,918 | 1.2% | 103 | 49 |
| Calaveras County | 101,582 | $ 4,516,595 | 1.2% | 80 | 49 |
| El Dorado County | 88,624 | $ 3,770,176 | 1.0% | 87 | 43 |
| Los Angeles County | 72,614 | $ 3,265,783 | 0.8% | 145 | 35 |
| Yolo County | 71,668 | $ 2,991,491 | 0.8% | 94 | 34 |
| Shasta County | 70,894 | $ 3,305,744 | 0.8% | 47 | 34 |
| Riverside County | 65,996 | $ 3,122,393 | 0.8% | 112 | 32 |
| Clark County | 62,062 | $ 2,842,502 | 0.7% | 72 | 30 |
| **Top 20 Counties by Hours** | **7,787,461** | **$ 308,766,234** | **89.4%** | **14,079** | **3,744** |
| All Other Counties | 919,611 | $ 40,833,088 | 10.6% | 1,529 | 442 |
| **WSIP-PLA Total** | **8,707,072** | **$ 349,599,322** | **100.0%** | **15,608** | **4,186** |

## San Francisco Residents *by Zip Code*

Sorted by Total Craft Hours

| Employment by San Francisco Zip Code | | | | | |
|---|---|---|---|---|---|
| Inception Through September 30, 2020 | | | | | |
| San Francisco Zip Codes | Total Workers | | | | |
| | Total Craft Hours | Wages | % Total Craft Hours | Worker Count | FTE |
| 94112 | 119,637 | $ 4,289,787 | 19.1% | 237 | 58 |
| 94124 | 105,814 | $ 4,332,333 | 16.9% | 290 | 51 |
| 94116 | 85,303 | $ 3,970,452 | 13.6% | 91 | 41 |
| 94110 | 83,768 | $ 2,963,198 | 13.4% | 192 | 40 |
| 94134 | 40,935 | $ 1,247,400 | 6.5% | 126 | 20 |
| 94122 | 34,902 | $ 1,678,150 | 5.6% | 82 | 17 |
| 94103 | 24,034 | $ 734,442 | 3.8% | 41 | 12 |
| 94121 | 20,205 | $ 813,449 | 3.2% | 58 | 10 |
| 94127 | 15,034 | $ 670,745 | 2.4% | 24 | 7 |
| 94118 | 14,929 | $ 734,235 | 2.4% | 21 | 7 |
| 94132 | 10,922 | $ 442,082 | 1.7% | 37 | 5 |
| 94117 | 10,718 | $ 291,982 | 1.7% | 18 | 5 |
| 94107 | 10,019 | $ 378,389 | 1.6% | 32 | 5 |
| 94102 | 8,852 | $ 387,998 | 1.4% | 23 | 4 |
| 94131 | 7,567 | $ 244,204 | 1.2% | 30 | 4 |
| 94133 | 6,338 | $ 250,631 | 1.0% | 13 | 3 |
| 94109 | 5,035 | $ 160,992 | 0.8% | 24 | 2 |
| 94114 | 4,465 | $ 196,710 | 0.7% | 17 | 2 |
| 94108 | 3,949 | $ 125,101 | 0.6% | 9 | 2 |
| 94115 | 3,265 | $ 120,164 | 0.5% | 28 | 2 |
| 94130 | 3,179 | $ 67,807 | 0.5% | 12 | 2 |
| 94142 | 1,740 | $ 68,149 | 0.3% | 7 | 1 |
| 94111 | 915 | $ 21,546 | 0.1% | 3 | 0 |
| 94123 | 852 | $ 40,062 | 0.1% | 4 | 0 |
| 94104 | 677 | $ 22,206 | 0.1% | 3 | 0 |
| 94105 | 484 | $ 15,548 | 0.1% | 6 | 0 |
| 94129 | 447 | $ 14,182 | 0.1% | 1 | 0 |
| 94188 | 366 | $ 9,790 | 0.1% | 3 | 0 |
| 94140 | 288 | $ 11,589 | 0.0% | 1 | 0 |
| 94119 | 255 | $ 7,976 | 0.0% | 1 | 0 |
| 94147 | 162 | $ 4,785 | 0.0% | 1 | 0 |
| 94158 | 110 | $ 5,839 | 0.0% | 6 | 0 |
| 94125 | 21 | $ 768 | 0.0% | 1 | 0 |
| 94164 | 6 | $ 264 | 0.0% | 1 | 0 |
| **Total** | **625,192** | **$ 24,322,954** | **100.0%** | **1,374** | **301** |
| **WSIP-PLA Total** | **8,707,072** | **$ 349,599,322** | **-** | **15,608** | **4,186** |

## Residence *by Craft*

Sorted by Total Hours

| Cumulative Employment of Residents By Craft<br>Inception Through September 30, 2020 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Craft** | **Total Hours** | **San Francisco Hours** | **SFPUC Service Territory Hours** | **Outside Hours** | **% San Francisco Hours** | **% Service Territory Hours** | **% Outside Hours** |
| Operating Engineer | 1,855,893 | 68,625 | 662,823 | 1,124,444 | 3.7% | 35.7% | 60.6% |
| Carpenter | 763,657 | 90,681 | 311,209 | 361,768 | 11.9% | 40.8% | 47.4% |
| Tunnel Worker | 612,964 | 11,171 | 208,750 | 393,043 | 1.8% | 34.1% | 64.1% |
| Electrician | 489,715 | 28,340 | 254,558 | 206,817 | 5.8% | 52.0% | 42.2% |
| Plumber | 443,834 | 91,166 | 148,760 | 203,909 | 20.5% | 33.5% | 45.9% |
| Iron Worker | 276,809 | 18,196 | 106,239 | 152,374 | 6.6% | 38.4% | 55.0% |
| Pile Driver | 181,764 | 6,526 | 53,970 | 121,268 | 3.6% | 29.7% | 66.7% |
| Painter | 151,639 | 9,726 | 17,442 | 124,472 | 6.4% | 11.5% | 82.1% |
| Cement Mason | 128,460 | 10,345 | 54,960 | 63,156 | 8.1% | 42.8% | 49.2% |
| Boilermaker | 121,771 | 48 | 23,484 | 98,239 | 0.0% | 19.3% | 80.7% |
| Building/Construction Inspector | 88,822 | 3,987 | 12,214 | 72,621 | 4.5% | 13.8% | 81.8% |
| Roofer | 49,025 | 4,487 | 25,385 | 19,153 | 9.2% | 51.8% | 39.1% |
| Sheet Metal Worker | 28,575 | 2,857 | 14,117 | 11,602 | 10.0% | 49.4% | 40.6% |
| Field Surveyor | 22,095 | 1,382 | 4,038 | 16,676 | 6.3% | 18.3% | 75.5% |
| Drywall Installer/Lather | 11,761 | 4,162 | 2,298 | 5,301 | 35.4% | 19.5% | 45.1% |
| Plasterer | 11,083 | 6,646 | 1,148 | 3,289 | 60.0% | 10.4% | 29.7% |
| Bricklayer | 8,899 | 82 | 4,281 | 4,536 | 0.9% | 48.1% | 51.0% |
| Electrical Utility Lineman | 6,909 | - | 186 | 6,723 | 0.0% | 2.7% | 97.3% |
| Glazier | 4,834 | 1,158 | 1,560 | 2,117 | 23.9% | 32.3% | 43.8% |
| Metal Roofing Systems Installer | 2,586 | 39 | 2,252 | 296 | 1.5% | 87.1% | 11.4% |
| Asbestos Worker, Heat and Frost Insulator | 920 | - | 229 | 691 | 0.0% | 24.9% | 75.1% |
| Brick Tender | 895 | 287 | 19 | 589 | 32.1% | 2.1% | 65.8% |
| Driver | 557 | 541 | 8 | 7 | 97.3% | 1.4% | 1.3% |
| Carpet Layer | 354 | 111 | 89 | 154 | 31.4% | 25.1% | 43.5% |
| Tile Setter | 351 | - | 344 | 7 | 0.0% | 98.0% | 2.0% |
| Tile Finisher | 277 | - | 237 | 40 | 0.0% | 85.6% | 14.4% |
| Terrazzo Worker | 199 | - | - | 199 | 0.0% | 0.0% | 100.0% |
| Sprinkler Fitter | 64 | - | 32 | 32 | 0.0% | 50.0% | 50.0% |
| Marble Finisher | 40 | - | 40 | - | 0.0% | 100.0% | 0.0% |
| Terrazzo Finisher | 4 | - | 4 | - | 0.0% | 100.0% | 0.0% |
| **Total Apprenticeable** | **5,264,753** | **360,561** | **1,910,673** | **2,993,520** | **6.8%** | **36.3%** | **56.9%** |
| Laborer | 2,981,276 | 236,304 | 1,283,821 | 1,461,152 | 7.9% | 43.1% | 49.0% |
| Non-Apprenticeable | | | | | | | |
| Teamster | 136,065 | 9,147 | 80,249 | 46,669 | 6.7% | 59.0% | 34.3% |
| Driver (On/Off-Hauling To/From Construction | 99,543 | 17,978 | 65,756 | 15,809 | 18.1% | 66.1% | 15.9% |
| Operating Engineer (Heavy And Highway Wo | 95,289 | - | 38,906 | 56,383 | 0.0% | 40.8% | 59.2% |
| Tunnel/Underground (Operating Engineer-He | 79,393 | 70 | 34,872 | 44,451 | 0.1% | 43.9% | 56.0% |
| Asbestos Removal Worker (Laborer) | 17,121 | 951 | 2,161 | 14,009 | 5.6% | 12.6% | 81.8% |
| Tunnel/Underground (Operating Engineer-He | 13,201 | - | 3,832 | 9,369 | 0.0% | 29.0% | 71.0% |
| Water Well Driller | 12,313 | - | 7,177 | 5,136 | 0.0% | 58.3% | 41.7% |
| Tree Trimmer (High Voltage Line Clearance) | 1,422 | 32 | 1,191 | 199 | 2.3% | 83.8% | 14.0% |
| Telecommunications Technician | 1,160 | - | 1,088 | 72 | 0.0% | 93.8% | 6.2% |
| Landscape Maintenance Laborer | 1,131 | 16 | 614 | 501 | 1.4% | 54.3% | 44.3% |
| Steel Erector And Fabricator (Operating Eng | 1,123 | - | 282 | 841 | 0.0% | 25.1% | 74.9% |
| Traffic Control/Lane Closure (Laborer) | 888 | - | 691 | 198 | 0.0% | 77.8% | 22.2% |
| Dredger Operating Engineer | 831 | - | - | 831 | 0.0% | 0.0% | 100.0% |
| Operating Engineer (Building Construction) | 635 | 133 | 229 | 273 | 20.9% | 36.1% | 43.0% |
| Slurry Seal Worker | 592 | - | 337 | 255 | 0.0% | 56.9% | 43.1% |
| Parking And Highway Improvement Painter ( | 247 | - | 165 | 82 | 0.0% | 66.8% | 33.2% |
| Ironworker (Db) | 80 | - | 24 | 56 | 0.0% | 30.0% | 70.0% |
| Teamster (Special Single Shift Rate) | 11 | - | - | 11 | 0.0% | 0.0% | 100.0% |
| **Total Non-Apprenticeable** | **461,043** | **28,327** | **237,573** | **195,142** | **6.1%** | **51.5%** | **42.3%** |
| **Total WSIP PLA** | **8,707,072** | **625,192** | **3,432,067** | **4,649,814** | **7.2%** | **39.4%** | **53.4%** |

## Residence *by Project*

Sorted by Total Hours

**Employment Summary - Cumulative Employment of Residents by Project**
Craft Employment Summary Through September 30, 2020

| Project | Total Hours | San Francisco Hours | Service Territory Hours | Outside Hours | % San Francisco Hours | % SFPUC Service Territory Hours | % Outside Hours |
|---|---|---|---|---|---|---|---|
| WD-2551 - Calaveras Dam Replacemer | 1,532,134 | 4,664 | 572,572 | 954,898 | 0.3% | 37.4% | 62.3% |
| WD-2596 - HTWTP Long-Term Improver | 1,013,848 | 49,559 | 368,135 | 596,155 | 4.9% | 36.3% | 58.8% |
| WD-2581 - New Irvington Tunnel | 730,536 | 4,132 | 319,860 | 406,545 | 0.6% | 43.8% | 55.7% |
| WD-2531 - Bay Division Pipelines Relia | 583,318 | 15,154 | 257,574 | 310,590 | 2.6% | 44.2% | 53.2% |
| WD-2601 - Crystal Springs / San Andre | 489,160 | 25,325 | 193,302 | 270,533 | 5.2% | 39.5% | 55.3% |
| WD-2582 - Sunol Valley Water Treatme | 462,423 | 9,292 | 174,479 | 278,653 | 2.0% | 37.7% | 60.3% |
| WD-2542 - Bay Division Pipeline No. 5 | 288,044 | 5,836 | 129,660 | 152,548 | 2.0% | 45.0% | 53.0% |
| CS-936 - AMI | 227,027 | 78,220 | 83,691 | 65,115 | 34.5% | 36.9% | 28.7% |
| WD-2541 - Bay Division Pipeline No. 5 | 208,058 | 13,608 | 85,977 | 108,472 | 6.5% | 41.3% | 52.1% |
| WD-2539 - University Mound Reservoir | 187,016 | 49,450 | 51,060 | 86,507 | 26.4% | 27.3% | 46.3% |
| WD-2729 - Fish Passage Facilities - Al | 164,770 | 1,159 | 70,568 | 93,044 | 0.7% | 42.8% | 56.5% |
| WD-2668 - Regional Groundwater Stora | 161,946 | 26,596 | 82,615 | 52,735 | 16.4% | 51.0% | 32.6% |
| WD-2627R - Sutro Reservoir Rehabilitat | 154,545 | 49,147 | 39,763 | 65,635 | 31.8% | 25.7% | 42.5% |
| HH-935C - San Joaquin Pipeline - Easte | 143,988 | 83 | 80,508 | 63,397 | 0.1% | 55.9% | 44.0% |
| DB-116 - Tesla Treatment Facility | 141,910 | 3,122 | 93,841 | 44,948 | 2.2% | 66.1% | 31.7% |
| WD-2776 - SF Westside Recycled Wat | 135,164 | 33,945 | 35,948 | 65,270 | 25.1% | 26.6% | 48.3% |
| WD-2629 - Seismic Upgrade of Bay Div | 134,349 | 1,815 | 52,403 | 80,131 | 1.4% | 39.0% | 59.6% |
| WD-2552 - Alameda Siphon No. 4 Proje | 129,485 | 1,450 | 54,019 | 74,017 | 1.1% | 41.7% | 57.2% |
| WD-2555 - Crystal Springs Pipeline No | 127,763 | 31,147 | 36,395 | 60,221 | 24.4% | 28.5% | 47.1% |
| WD-2498 - New Crystal Springs Bypass | 117,821 | 9,557 | 64,371 | 43,894 | 8.1% | 54.6% | 37.3% |
| WD-2652 - BHR - San Antonio Creek | 110,655 | 3,693 | 45,574 | 61,388 | 3.3% | 41.2% | 55.5% |
| WD-2548 - Lake Merced Pump Station | 101,050 | 28,541 | 25,790 | 46,720 | 28.2% | 25.5% | 46.2% |
| HH-935B - San Joaquin Pipeline - West | 100,492 | 111 | 41,614 | 58,767 | 0.1% | 41.4% | 58.5% |
| WD-2591 - Lower Crystal Springs Dam | 98,562 | 5,463 | 52,743 | 40,356 | 5.5% | 53.5% | 40.9% |
| HH-935A - San Joaquin Pipeline - Cross | 84,483 | 223 | 45,318 | 38,942 | 0.3% | 53.6% | 46.1% |
| WD-2513 - San Andreas Pipeline No.3 | 83,503 | 6,978 | 28,219 | 48,306 | 8.4% | 33.8% | 57.8% |
| WD-2575 - San Antonio Backup Pipelin | 75,263 | 8,780 | 31,767 | 34,716 | 11.7% | 42.2% | 46.1% |
| WD-2504 - Stanford Heights Reservoir S | 74,294 | 14,461 | 20,361 | 39,472 | 19.5% | 27.4% | 53.1% |
| WD-2501 - Alemany Pump Station | 74,085 | 8,629 | 29,073 | 36,382 | 11.6% | 39.2% | 49.1% |
| WD-2727 - Peninsula Pipeline Seismic | 69,772 | 13,891 | 23,679 | 32,203 | 19.9% | 33.9% | 46.2% |
| WD-2543 - North University Mound Sys | 53,265 | 13,940 | 14,613 | 24,713 | 26.2% | 27.4% | 46.4% |
| WD-2621R - SF Groundwater Supply W | 52,623 | 14,641 | 8,965 | 29,018 | 27.8% | 17.0% | 55.1% |
| WD-2573 - Pulgas Balancing Reservoir | 50,367 | 6,669 | 25,461 | 18,237 | 13.2% | 50.6% | 36.2% |
| WD-2568 - BDPL Nos. 3&4 Crossover F | 47,910 | 4,201 | 13,222 | 30,486 | 8.8% | 27.6% | 63.6% |
| WD-2641R - Habitat Reserve Program | 44,018 | 8,771 | 10,167 | 25,081 | 19.9% | 23.1% | 57.0% |
| WD-2564 - HTWTP - Short Term Improv | 43,049 | 8,445 | 15,208 | 19,397 | 19.6% | 35.3% | 45.1% |
| WD-2798 - SF Westside Recycled Wat | 38,039 | 11,846 | 12,495 | 13,699 | 31.1% | 32.8% | 36.0% |
| WD-2829R - San Andreas Pipeline No. | 32,886 | 4,349 | 9,246 | 19,291 | 13.2% | 28.1% | 58.7% |
| WD-2654R - Peninsula Vegetation Rem | 30,464 | 4,839 | 9,727 | 15,897 | 15.9% | 31.9% | 52.2% |
| WD-2809 - SF Groundwater Supply Pha | 30,360 | 5,881 | 3,044 | 21,435 | 19.4% | 10.0% | 70.6% |
| WD-2469 - Forest Knolls Pump Station | 26,553 | 6,156 | 5,766 | 14,631 | 23.2% | 21.7% | 55.1% |
| WD-2666 - BHR - Sheep Camp Creek | 23,492 | 46 | 6,377 | 17,069 | 0.2% | 27.1% | 72.7% |
| WD-2623 - Harding Park Recycled Wat | 22,727 | 4,776 | 12,625 | 5,327 | 21.0% | 55.6% | 23.4% |
| WD-2651R - Peninsula 2011 Watershed | 22,569 | 557 | 10,940 | 11,072 | 2.5% | 48.5% | 49.1% |
| WD-2529 - Noe Valley Transmission Ma | 22,511 | 6,853 | 7,279 | 8,379 | 30.4% | 32.3% | 37.2% |
| WD-2797 - SF Westside Recycled Wat | 22,033 | 7,719 | 10,048 | 4,266 | 35.0% | 45.6% | 19.4% |
| WD-2665 - Bav Division Pipeline No. 5, | 21,967 | 227 | 5,528 | 16,213 | 1.0% | 25.2% | 73.8% |
| WD-2556 - Baden and San Pedro Valve | 19,939 | 2,720 | 15,270 | 1,949 | 13.6% | 76.6% | 9.8% |
| WD-2622 - SF Groundwater Supply Pip | 17,782 | 3,487 | 2,138 | 12,157 | 19.6% | 12.0% | 68.4% |
| WD-2566 - San Antonio Pump Station U | 14,916 | 101 | 11,948 | 2,868 | 0.7% | 80.1% | 19.2% |
| HH-914R - Roselle Crossover Improvem | 12,859 | 0 | 8,861 | 3,999 | 0.0% | 68.9% | 31.1% |
| HH-953 - Tesla Portal Protection | 11,512 | 3,338 | 6,185 | 1,990 | 29.0% | 53.7% | 17.3% |
| WD-2511 - Standby Power Facilities | 11,275 | 281 | 6,500 | 4,494 | 2.5% | 57.6% | 39.9% |
| WD-2640 - Bioregional Habitat Restorat | 10,621 | 667 | 4,028 | 5,926 | 6.3% | 37.9% | 55.8% |
| WD-2822R2 - Lower Crystal Springs Da | 8,201 | 291 | 3,270 | 4,640 | 3.6% | 39.9% | 56.6% |
| WD-2600 - Regional Groundwater Stora | 6,088 | 0 | 296 | 5,792 | 0.0% | 4.9% | 95.1% |
| WD-2855 - Turner Dam Spillway and Po | 2,088 | 0 | 1,623 | 465 | 0.0% | 77.7% | 22.3% |
| WD-2589 - SCADA System Phase II | 1,498 | 368 | 363 | 767 | 24.6% | 24.2% | 51.2% |
| **Total WSIP PLA** | **8,707,072** | **625,192** | **3,432,067** | **4,649,814** | **7.2%** | **39.4%** | **53.4%** |

## Apprentice Utilization

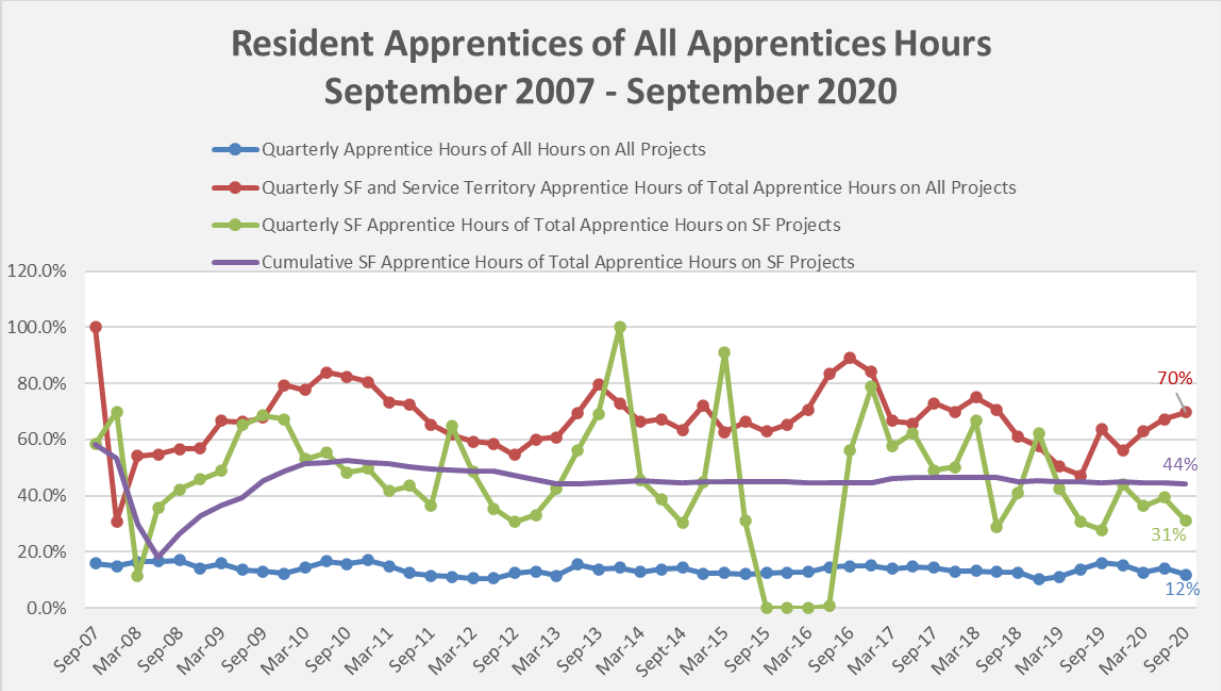
The WSIP PLA supports the apprentice ratios provided by the State of California's, Division of Apprenticeship Standards, generally one apprentice hour to every five journey-level hours.

Through the end of the current quarter, 13.2% of craft hours in apprenticeable trades have been worked by apprentices. 16% of apprentice hours were worked by San Francisco residents and 53% were worked by residents of the Regional Service Territory, or 69% combined.

Sorted by Total Craft Hours

| Craft | Total Hours | Total Apprentice Hours | Apprentice Hours | | | Apprentice Utilization | | | Resident Apprentice % | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | San Francisco Hours | SFPUC ST Hours | Outside Hours | Apprentice % of Total Craft Hours | San Francisco Apprentice % of Total Craft Hours | Service Territory Apprentice % of Total Craft Hours | % of Craft Apprentice Hours Performed by San Francisco Residents | % of Craft Apprentice Hours Performed by Service Territory Residents | % of Craft Apprentice Hours Performed by Outside Residents |
| A - Operating Engineer | 1,855,893 | 209,075 | 25,360 | 86,299 | 97,417 | 11.3% | 1.4% | 4.6% | 12.1% | 41.3% | 46.6% |
| A - Carpenter | 763,657 | 121,970 | 32,255 | 56,989 | 32,727 | 16.0% | 4.2% | 7.5% | 26.4% | 46.7% | 26.8% |
| A - Tunnel Worker | 612,964 | - | - | - | - | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| A - Electrician | 489,715 | 93,322 | 11,816 | 63,645 | 17,861 | 19.1% | 2.4% | 13.0% | 12.7% | 68.2% | 19.1% |
| A - Plumber | 443,834 | 120,873 | 35,529 | 57,707 | 27,636 | 27.2% | 8.0% | 13.0% | 29.4% | 0.0% | 0.0% |
| A - Iron Worker | 276,809 | 61,319 | 10,976 | 26,970 | 23,374 | 22.2% | 4.0% | 9.7% | 17.9% | 44.0% | 38.1% |
| A - Pile Driver | 181,764 | 18,563 | 4,451 | 9,825 | 4,287 | 10.2% | 2.4% | 5.4% | 24.0% | 52.9% | 23.1% |
| A - Painter | 151,639 | 25,756 | 1,747 | 6,426 | 17,583 | 17.0% | 1.2% | 4.2% | 6.8% | 24.9% | 68.3% |
| A - Cement Mason | 128,460 | 6,448 | 4,173 | 1,124 | 1,151 | 5.0% | 3.2% | 0.9% | 64.7% | 17.4% | 17.9% |
| A - Boilermaker | 121,771 | 2,354 | 40 | 1,238 | 1,076 | 1.9% | 0.0% | 1.0% | 1.7% | 52.6% | 45.7% |
| A - Building/Construction Inspector | 88,822 | 5,068 | 17 | 1,254 | 3,797 | 5.7% | 0.0% | 1.4% | 0.3% | 24.8% | 74.9% |
| A - Roofer | 49,025 | 12,218 | 1,960 | 5,312 | 4,946 | 24.9% | 4.0% | 10.8% | 0.0% | 0.0% | 0.0% |
| A - Sheet Metal Worker | 28,575 | 4,423 | 307 | 3,080 | 1,037 | 15.5% | 1.1% | 10.8% | 6.9% | 69.6% | 23.4% |
| A - Field Surveyor | 22,095 | 734 | 11 | 71 | 652 | 3.3% | 0.0% | 0.3% | 1.5% | 9.7% | 88.8% |
| A - Drywall Installer/Lather | 11,761 | 525 | 68 | 283 | 174 | 4.5% | 0.6% | 2.4% | 13.0% | 53.9% | 33.1% |
| A - Plasterer | 11,083 | 347 | 136 | - | 211 | 3.1% | 1.2% | 0.0% | 39.2% | 0.0% | 60.8% |
| A - Bricklayer | 8,899 | 2,788 | 82 | 679 | 2,027 | 31.3% | 0.9% | 7.6% | 2.9% | 24.4% | 72.7% |
| A - Electrical Utility Lineman | 6,909 | 79 | - | 79 | - | 1.1% | 0.0% | 1.1% | 0.0% | 100.0% | 0.0% |
| A - Glazier | 4,834 | 754 | 532 | 80 | 142 | 15.6% | 11.0% | 1.7% | 70.6% | 10.6% | 18.8% |
| A - Metal Roofing Systems Installer | 2,586 | 757 | | 757 | | 29.3% | 0.0% | 29.3% | 0.0% | 100.0% | 0.0% |
| A - Asbestos Worker, Heat and Frost Insul | 920 | 26 | - | - | 26 | 2.8% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| A - Brick Tender | 895 | 24 | 24 | - | - | 2.7% | 2.7% | 0.0% | 0.0% | 0.0% | 0.0% |
| A - Driver | 557 | - | - | - | - | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| A - Carpet Layer | 354 | 27 | | 23 | 4 | 7.6% | 0.0% | 6.5% | 0.0% | 85.2% | 14.8% |
| A - Tile Setter | 351 | 20 | - | 20 | - | 5.7% | 0.0% | 5.7% | 0.0% | 0.0% | 0.0% |
| A - Tile Finisher | 277 | 40 | - | - | 40 | 14.4% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| A - Terrazzo Worker | 199 | - | - | - | - | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| A - Sprinkler Fitter | 64 | - | - | - | - | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| A - Marble Finisher | 40 | - | - | - | - | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| A - Terrazzo Finisher | 4 | - | - | - | - | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Sub-Total Apprenticeable | 5,264,753 | 687,509 | 129,481 | 321,861 | 236,166 | 13.1% | 2.5% | 6.1% | 18.8% | 46.8% | 34.4% |
| A - Laborer | 2,981,276 | 404,571 | 46,493 | 260,887 | 97,190 | 13.6% | 1.6% | 8.8% | 11.5% | 64.5% | 24.0% |
| Total Apprenticeable | 8,246,029 | 1,092,080 | 175,975 | 582,748 | 333,357 | 13.2% | 2.1% | 7.1% | 16.1% | 53.4% | 30.5% |
| Total Non-Apprenticeable | 461,043 | | | | | | | | | | |
| Total WSIP - Covered by PLA | 8,707,072 | | | | | | | | | | |

For the three months ending September 30, 2020, 39% of apprentice hours were worked by San Francisco resident apprentices on San Francisco-located WSIP PLA projects (green line). As the WISP program comes to a close, there are fewer opportunities for apprentices to perform work on projects resulting in the decrease of apprentice participation.

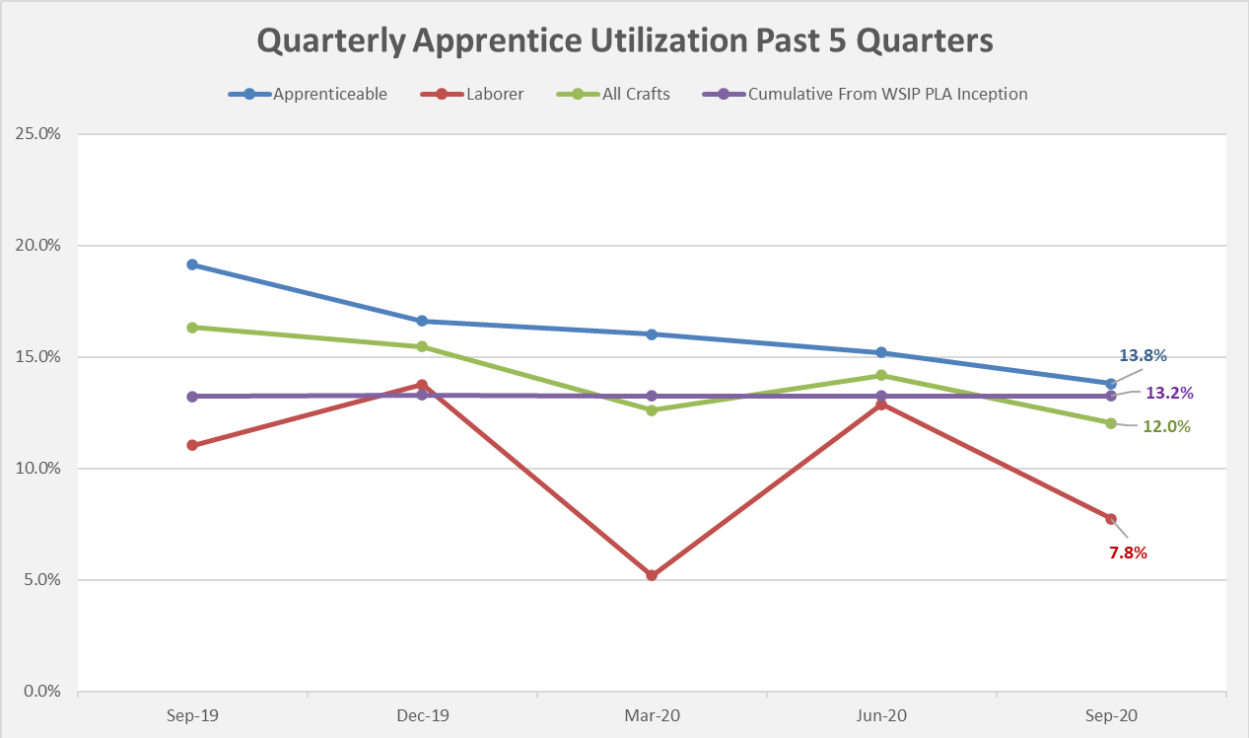


The table below lists the WSIP PLA-covered Projects *sorted by Percentage of Apprentice Utilization* from highest to lowest. The total Apprentice Utilization for the entire WSIP is 13.2%.

**WSIP - Covered by PLA Apprentice Utilization By Project**
Inception Through September 30, 2020

| Project | Apprentice Utilization By Project | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | All Workers Hours | | | | | Apprentice Hours | | | Apprentice Utilization % | | |
| | Total Craft Hours | Total Hours of Apprenticeable Trades | Total Non-Apprenticeable Hours | Total Laborer Hours | Total Apprenticeable and Laborer Hours | Apprenticeable Trades Hours | Apprentice Laborer Hours | Total Apprentice Hours | Apprenticeable Trades % | Apprentice Laborer % | Total Apprentice % |
| CS-936 - Advanced Meter Infras | 227,027 | 226,142 | - | 885 | 227,027 | 79,373 | - | 79,373 | 35.1% | 0.0% | 35.0% |
| HH-953 - Tesla Portal Protectio | 11,512 | 4,377 | 133 | 7,002 | 11,379 | 487 | 2,768 | 3,255 | 11.1% | 39.5% | 28.6% |
| WD-2641R - Habitat Reserve P | 44,018 | 7,406 | 52 | 36,561 | 43,966 | 1,467 | 7,755 | 9,222 | 19.8% | 21.2% | 21.0% |
| DB-116 - Tesla Treatment Facil | 141,910 | 97,738 | 1,863 | 42,310 | 140,047 | 16,580 | 10,411 | 26,991 | 17.0% | 24.6% | 19.3% |
| WD-2729 - Fish Passage Facil | 164,770 | 110,939 | 6,045 | 47,786 | 158,725 | 25,982 | 4,511 | 30,493 | 23.4% | 9.4% | 19.2% |
| WD-2652 - Bioregional Habitat | 110,655 | 19,428 | 2,526 | 88,700 | 108,128 | 1,492 | 19,170 | 20,661 | 7.7% | 21.6% | 19.1% |
| WD-2798 - San Francisco Wes | 38,039 | 6,652 | - | 31,387 | 38,039 | 1,170 | 6,085 | 7,255 | 17.6% | 19.4% | 19.1% |
| WD-2727 - Peninsula Pipeline | 69,772 | 30,072 | 3,583 | 36,117 | 66,189 | 4,312 | 7,547 | 11,858 | 14.3% | 20.9% | 17.9% |
| WD-2552 - Alameda Siphon No | 129,485 | 75,401 | 8,009 | 46,075 | 121,476 | 11,667 | 9,053 | 20,720 | 15.5% | 19.6% | 17.1% |
| WD-2575 - San Antonio Backu | 75,263 | 45,723 | 1,151 | 28,389 | 74,112 | 6,488 | 5,972 | 12,460 | 14.2% | 21.0% | 16.8% |
| WD-2498 - New Crystal Springs | 117,821 | 93,680 | 12,599 | 11,543 | 105,223 | 12,361 | 5,252 | 17,612 | 13.2% | 45.5% | 16.7% |
| WD-2640 - Bioregional Habitat | 10,621 | 4,487 | 813 | 5,321 | 9,809 | 701 | 914 | 1,615 | 15.6% | 17.2% | 16.5% |
| WD-2539 - University Mound R | 187,016 | 106,316 | 1,199 | 79,502 | 185,818 | 23,851 | 6,500 | 30,350 | 22.4% | 8.2% | 16.3% |
| WD-2629 - Seismic Upgrade of | 134,349 | 73,390 | 1,511 | 59,448 | 132,838 | 8,297 | 13,294 | 21,590 | 11.3% | 22.4% | 16.3% |
| WD-2651R - Peninsula 2011 W | 22,569 | 4,777 | 3,239 | 14,554 | 19,331 | 763 | 2,372 | 3,135 | 16.0% | 16.3% | 16.2% |
| WD-2668 - Regional Groundwa | 161,946 | 101,660 | 1,079 | 59,207 | 160,867 | 18,467 | 7,375 | 25,842 | 18.2% | 12.5% | 16.1% |
| WD-2573 - Pulgas Balancing R | 50,367 | 35,362 | 310 | 14,695 | 50,056 | 7,144 | 673 | 7,817 | 20.2% | 4.6% | 15.6% |
| WD-2776 - San Francisco Wes | 135,164 | 103,855 | 113 | 31,196 | 135,051 | 19,287 | 1,772 | 21,059 | 18.6% | 5.7% | 15.6% |
| HH-914R - Roselle Crossover Ir | 12,859 | 7,968 | 163 | 4,729 | 12,697 | 1,384 | 559 | 1,943 | 17.4% | 11.8% | 15.3% |
| WD-2582 - Sunol Valley Water | 462,423 | 293,860 | 13,009 | 155,554 | 449,414 | 49,266 | 19,350 | 68,616 | 16.8% | 12.4% | 15.3% |
| WD-2596 - Harry Tracy Water T | 1,013,848 | 675,958 | 39,423 | 298,468 | 974,425 | 108,428 | 35,995 | 144,423 | 16.0% | 12.1% | 14.8% |
| WD-2600 - Regional Groundwa | 6,088 | - | 4,027 | 2,061 | 2,061 | - | 296 | 296 | 0.0% | 14.3% | 14.3% |
| WD-2627R - Sutro Reservoir Re | 154,545 | 77,338 | 8,900 | 68,308 | 145,645 | 15,391 | 5,248 | 20,639 | 19.9% | 7.7% | 14.2% |
| WD-2556 - Baden and San Ped | 19,939 | 11,046 | 344 | 8,550 | 19,595 | 951 | 1,788 | 2,738 | 8.6% | 20.9% | 14.0% |
| WD-2797 - San Francisco Wes | 22,033 | 10,590 | - | 11,443 | 22,033 | 1,324 | 1,750 | 3,074 | 12.5% | 15.3% | 13.9% |
| WD-2504 - Stanford Heights Re | 74,294 | 40,444 | - | 33,851 | 74,294 | 9,134 | 757 | 9,891 | 22.6% | 2.2% | 13.3% |
| WD-2513 - San Andreas Pipelii | 83,503 | 28,638 | 11,956 | 42,909 | 71,547 | 3,994 | 5,317 | 9,311 | 13.9% | 12.4% | 13.0% |
| WD-2622 - San Francisco Grou | 17,782 | 4,623 | 1,682 | 11,477 | 16,100 | 266 | 1,827 | 2,092 | 5.7% | 15.9% | 13.0% |
| WD-2551 - Calaveras Dam Rep | 1,532,134 | 864,302 | 36,402 | 631,430 | 1,495,733 | 87,917 | 98,383 | 186,301 | 10.2% | 15.6% | 12.5% |
| WD-2566 - San Antonio Pump | 14,916 | 8,241 | 137 | 6,539 | 14,780 | 859 | 939 | 1,798 | 10.4% | 14.4% | 12.2% |
| HH-935C - San Joaquin Pipelin | 143,988 | 89,174 | 1,840 | 52,974 | 142,148 | 8,862 | 8,401 | 17,263 | 9.9% | 15.9% | 12.1% |
| WD-2621R - San Francisco Gr | 52,623 | 31,711 | - | 20,912 | 52,623 | 4,322 | 1,903 | 6,225 | 13.6% | 9.1% | 11.8% |
| WD-2822R2 - Lower Crystal Sp | 8,201 | 1,882 | 264 | 6,056 | 7,937 | 235 | 699 | 933 | 12.5% | 11.5% | 11.8% |
| WD-2469 - Forest Knolls Pump | 26,553 | 17,167 | 31 | 9,355 | 26,522 | 2,888 | 19 | 2,907 | 16.8% | 0.2% | 11.0% |
| WD-2555 - Crystal Springs Pip | 127,763 | 49,074 | 9,202 | 69,487 | 118,561 | 7,559 | 5,394 | 12,953 | 0.0% | 7.8% | 10.9% |
| WD-2548 - Lake Merced Pump | 101,050 | 72,875 | 1,672 | 26,504 | 99,378 | 10,670 | 137 | 10,807 | 14.6% | 0.5% | 10.9% |
| WD-2809 - San Francisco Grou | 30,360 | 14,988 | - | 15,372 | 30,360 | 2,666 | 625 | 3,291 | 17.8% | 4.1% | 10.8% |
| HH-935A - San Joaquin Pipelin | 84,483 | 53,744 | 839 | 29,900 | 83,644 | 5,357 | 3,652 | 9,009 | 10.0% | 12.2% | 10.8% |
| HH-935B - San Joaquin Pipelin | 100,492 | 52,940 | 11,678 | 35,875 | 88,814 | 4,061 | 5,243 | 9,304 | 7.7% | 14.6% | 10.5% |
| WD-2601 - Crystal Springs / Sa | 489,160 | 334,614 | 23,054 | 131,493 | 466,106 | 37,795 | 10,916 | 48,710 | 11.3% | 8.3% | 10.5% |
| WD-2541 - Bay Division Pipelin | 208,058 | 88,905 | 12,743 | 106,410 | 195,315 | 10,026 | 10,170 | 20,196 | 11.3% | 9.6% | 10.3% |
| WD-2501 - Alemany Pump Sta | 74,085 | 54,295 | 48 | 19,741 | 74,037 | 7,403 | 223 | 7,625 | 13.6% | 1.1% | 10.3% |
| WD-2542 - Bay Division Pipelin | 288,044 | 90,020 | 31,498 | 166,526 | 256,546 | 7,049 | 19,161 | 26,210 | 7.8% | 11.5% | 10.2% |
| WD-2568 - BDPL Nos. 3&4 Cro | 47,910 | 31,539 | 2,093 | 14,278 | 45,817 | 3,818 | 720 | 4,538 | 12.1% | 5.0% | 9.9% |
| WD-2591 - Lower Crystal Sprin | 98,562 | 41,053 | 1,162 | 56,348 | 97,400 | 4,833 | 3,853 | 8,685 | 11.8% | 6.8% | 8.9% |
| WD-2829R - San Andreas Pipe | 32,886 | 15,442 | 1,608 | 15,836 | 31,278 | 470 | 2,318 | 2,788 | 3.0% | 14.6% | 8.9% |
| WD-2665 - Bay Division Pipelin | 21,967 | 10,548 | 234 | 11,185 | 21,733 | 168 | 1,741 | 1,909 | 1.6% | 15.6% | 8.8% |
| WD-2581 - New Irvington Tunne | 730,536 | 546,830 | 99,798 | 83,908 | 630,738 | 31,860 | 19,891 | 51,750 | 5.8% | 23.7% | 8.2% |
| WD-2666 - Bioregional Habitat | 23,492 | 16,708 | - | 6,784 | 23,492 | 228 | 1,615 | 1,843 | 1.4% | 23.8% | 7.8% |
| WD-2589 - Supervisory Contro | 1,498 | 728 | - | 771 | 1,498 | 115 | - | 115 | 15.8% | 0.0% | 7.7% |
| WD-2623 - Harding Park Recyc | 22,727 | 7,869 | 456 | 14,403 | 22,271 | 696 | 949 | 1,645 | 8.8% | 6.6% | 7.4% |
| WD-2531 - Bay Division Pipelin | 583,318 | 412,690 | 91,092 | 79,535 | 492,226 | 14,153 | 18,238 | 32,391 | 3.4% | 22.9% | 6.6% |
| WD-2543 - North University Mo | 53,265 | 14,383 | 7,082 | 31,800 | 46,183 | 743 | 2,255 | 2,998 | 5.2% | 7.1% | 6.5% |
| WD-2654R - Peninsula Vegetat | 30,464 | 5,842 | 189 | 24,433 | 30,275 | 24 | 1,694 | 1,718 | 0.4% | 6.9% | 5.7% |
| WD-2511 - Standby Power Fac | 11,275 | 9,046 | - | 2,230 | 11,275 | 626 | - | 626 | 6.9% | 0.0% | 5.6% |
| WD-2529 - Noe Valley Transmi | 22,511 | 6,021 | 2,067 | 14,423 | 20,444 | | 1,133 | 1,133 | 0.0% | 7.9% | 5.5% |
| WD-2564 - Harry Tracy Water T | 43,049 | 22,612 | 80 | 20,358 | 42,969 | 2,089 | - | 2,089 | 9.2% | 0.0% | 4.9% |
| WD-2855 - Turner Dam Spillwa | 2,088 | 1,649 | - | 439 | 2,088 | - | - | - | 0.0% | 0.0% | 0.0% |
| **WSIP - Covered by PLA (57 Pr** | **8,707,072** | **5,264,753** | **458,991** | **2,983,327** | **8,248,081** | **687,509** | **404,571** | **1,092,080** | **13.1%** | **13.6%** | **13.2%** |

The following chart indicates quarterly Apprentice Utilization over the past five (5) quarters ending September 30, 2020.



## Substance Abuse Prevention

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

**15,129** pre-employment tests have been administered as of September 30, 2020 to people who were cleared to work. 202 people did not pass pre-employment screens and consequently were prevented from working until the results could be confirmed through lab tests. Strict regulations and high compliance by the contractors have led to a mere **1.34%** of failed screenings. These numbers have a direct correlation with the outstanding safety record of the entire WSIP Program. The chart is on the next page.

| WSIP - Covered by PLA (54 Projects + AMI) Substance Abuse Testing Summary<br>Tests Administered to Individuals Cleared to Work Through 9/30/2020 | |
|---|---|
| **Project** | **Number Cleared** |
| WD-2596 - Harry Tracy Water Treatment Plant Long-Term Improvements | 2,401 |
| WD-2551 - Calaveras Dam Replacement Proiect | 2,122 |
| WD-2601 - Crystal Springs / San Andreas Transmission System Upgrade | 1,282 |
| WD-2582 - Sunol Valley Water Treatment Plant and Treated Water Reservoir | 704 |
| WD-2581 - New Irvington Tunnel | 651 |
| WD-2531 - Bay Division Pipelines Reliability Upgrade - Bay Tunnel | 581 |
| WD-2548 - Lake Merced Pump Station Essential Upgrades | 531 |
| WD-2541 - Bay Division Pipeline No. 5 - East Bay Reaches | 509 |
| WD-2501 - Alemany Pump Station | 375 |
| DB-116 - Tesla Treatment Facility | 374 |
| HH-935C - San Joaquin Pipeline System - Eastern Segment & Other Facilities | 335 |
| WD-2539 - University Mound Reservoir North Basin Seismic Upgrades | 319 |
| WD-2776 - San Francisco Westside Recycled Water Treatment Facility at Oceanside Plant | 314 |
| WD-2542 - Bay Division Pipeline No. 5 - Peninsula Reaches | 305 |
| WD-2668 - Regional Groundwater Storage and Recovery | 265 |
| CS-936 - Advanced Meter Infrastructure | 229 |
| WD-2552 - Alameda Siphon No. 4 Project | 229 |
| HH-935B - San Joaquin Pipeline System - Western Segment | 226 |
| WD-2629 - Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at the Hayward Fault | 226 |
| WD-2627R - Sutro Reservoir Rehabilitation and Seismic Upgrade | 217 |
| WD-2498 - New Crystal Springs Bypass (Polhemus) Tunnel | 212 |
| WD-2504 - Stanford Heights Reservoir Seismic Retrofit and Improvement | 199 |
| HH-935A - San Joaquin Pipeline System - Crossovers | 186 |
| WD-2573 - Pulgas Balancing Reservoir Structural Rehabilitation and Roof Replacement | 184 |
| WD-2568 - BDPL Nos. 3&4 Crossover Facilities | 180 |
| WD-2513 - San Andreas Pipeline No.3 Installation Project | 178 |
| WD-2729 - Fish Passage Facilities Within The Alameda Creek Watershed | 153 |
| WD-2575 - San Antonio Backup Pipeline | 132 |
| WD-2591 - Lower Crystal Springs Dam Improvements | 125 |
| WD-2469 - Forest Knolls Pump Station and Storage Tank Upgrade | 115 |
| WD-2555 - Crystal Springs Pipeline No.2 Replacement Proiect | 98 |
| WD-2621R - San Francisco Groundwater Supply Well Stations | 97 |
| WD-2564 - Harry Tracy Water Treatment Plant - Short Term Improvements Phases 2 and 3 | 95 |
| WD-2652 - Bioregional Habitat Restoration, San Antonio Creek | 90 |
| WD-2556 - Baden and San Pedro Valve Lot Improvements | 86 |
| HH-914R - Roselle Crossover Improvements | 72 |
| WD-2566 - San Antonio Pump Station Upgrades Project | 70 |
| WD-2623 - Harding Park Recycled Water Proiect | 65 |
| WD-2651R - Peninsula 2011 Watershed Compensation, Sherwood Point, Adobe Gulch Creek, Skyline Quarry, Sky | 63 |
| WD-2727 - Peninsula Pipeline Seismic Upgrade | 61 |
| HH-953 - Tesla Portal Protection | 59 |
| WD-2543 - North University Mound System Upgrade | 55 |
| WD-2529 - Noe Valley Transmission Main - Phase II | 47 |
| WD-2829R - San Andreas Pipeline No. 2 Replacement | 47 |
| WD-2665 - Bay Division Pipeline Reliability Upgrade Proiect - Bay Division Pipeline No. 5, Cordilleras Microtunnel | 43 |
| WD-2654R - Peninsula Vegetation Removal | 34 |
| WD-2511 - Standby Power Facilities, Various Locations | 30 |
| WD-2666 - Bioregional Habitat Restoration, Sheep Camp Creek | 30 |
| WD-2589 - Supervisory Control and Data Acquisition SCADA System Phase II | 28 |
| WD-2641R - Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grasslar | 23 |
| WD-2600 - Regional Groundwater Storage and Recovery Proiect- Test Well Drilling | 22 |
| WD-2622 - San Francisco Groundwater Supply Pipeline | 22 |
| WD-2798 - San Francisco Westside Recycled Water Pipeline | 20 |
| WD-2809 - San Francisco Groundwater Supply Phase 2 | 10 |
| WD-2855 - Turner Dam Spillway & Pond F3 Erosion Repair | 3 |
| WD-2640 - Bioregional Habitat Restoration | - |
| **Total Cleared** | **15,129** |

## Legislative History of the WSIP PLA

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

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

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

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

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

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

## Governance

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

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

## Pre-Job Conferences and Jurisdictional Disputes

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

## Web-Based Labor Compliance Program

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