



## DEPARTMENT OF PUBLIC UTILITIES

# CAPITAL IMPROVEMENT PROGRAM CONSTRUCTION WORKFORCE ANALYSIS

March 10, 2017

Includes data received through February 2017 for the following contracted projects:

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Water Storage Tank T-4	WC00061-TNK04	Mountain Cascade Construction Co.
Friant-Kern Canal Pipeline	WC00038-FKCP	Mountain Cascade Construction Co.
Kings River Pipeline	WC00057-KRP	Garney Construction Co.
Southeast Surface Water Ttmt Facility	WC00057-SEWTF	Lyles Construction Co.
Regional Transmission Mains A1	WC00065-R2MFD-A1	Mountain Cascade Construction Co.
Regional Transmission Mains A2	WC00065-R2MFD-A2	Floyd Johnston Construction Co.

This report summarizes construction labor statistics for Department of Public Utilities (DPU), Water Division, capital improvement projects valued at \$20 million or greater, and select other significant projects. Statistics presented include percentage breakdown of construction labor hours worked, in relation to Union Affiliation, Residence, Trade and Worker Type, for work through dates shown on individual project summary sheets.

**CONSTRUCTION WORKFORCE ANALYSIS - PROGRAM SUMMARY**

(All Active Large Construction Projects)

**Construction Value****\$276,261,233****Total Hours****291,261**

Data Through

See individual project summary sheets

Union Affiliation	Hours	% of Total Hours
Union	278,151	95%
Non-Union	13,068	4%
Not specified	42	0%

Residency	Hours	% of Total Hours
Local Resident **	180,652	62%
Other	110,609	38%

\*\* Local residents are defined as those living within zip codes that are within 25 miles of City Hall and/or within the County of Fresno

Trade	Hours	% of Total Hours
Bricklayer	1,522	1%
Carpenter	75,616	26%
Carpet/Linoleum/Resilient	52	0%
Cement Mason	17,760	6%
Drywall Installer/Lather	200	0%
Electrician	15,739	5%
Field Surveyor	257	0%
Iron Worker	23,268	8%
Laborer	92,672	32%
Metal Roofer	0	0%
Operating Engineer	56,322	19%
Painter	271	0%
Plaster Tender	104	0%
Plasterer	168	0%
Plumber	3,249	1%
Roofer	578	0%
Sheet Metal	317	0%
Teamster	1,874	1%
Tile Finisher	0	0%
Tile Layer	0	0%
Tile Setter	0	0%
Not specified	1,155	0%
Other	140	0%

Worker Type	Hours	% of Total Hours
Trade - Journeyman	249,574	86%
Trade - Apprentice	41,559	14%
Not specified	105	0%
Other	24	0%

## CONSTRUCTION WORKFORCE ANALYSIS - SUMMARY



**Project Name** Water Storage Tank T-4 (T-4)  
**Project Number** WC00061-TNK04  
**Prime Contractor** Mountain Cascade Construction Co.  
**Construction Value** \$10,077,557

**Total Hours** 31,450  
 Data Through 3/25/2016 Project Complete

Union Affiliation	Hours	% of Total Hours
Union	31,450	100%
Non-Union	0	0%
Not specified	0	0%

Residency	Hours	% of Total Hours
Local Resident **	9,054	29%
Other	22,397	71%

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Trade	Hours	% of Total Hours
Bricklayer	0	0%
Carpenter	7,510	24%
Carpet/Linoleum/Resilient	16	0%
Cement Mason	3,423	11%
Drywall Installer/Lather	186	1%
Electrician	5,243	17%
Field Surveyor	0	0%
Iron Worker	329	1%
Laborer	8,345	27%
Metal Roofer	0	0%
Operating Engineer	5,042	16%
Painter	0	0%
Plaster Tender	104	0%
Plasterer	168	1%
Plumber	99	0%
Roofer	546	2%
Sheet Metal	317	1%
Teamster	123	0%
Tile Finisher	0	0%
Tile Layer	0	0%
Tile Setter	0	0%
Not specified	0	0%
Other	0	0%

Worker Type	Hours	% of Total Hours
Trade - Journeyman	28,428	90%
Trade - Apprentice	3,023	10%
Not specified	0	0%
Other	0	0%

**CONSTRUCTION WORKFORCE ANALYSIS - SUMMARY**



**Project Name** Friant-Kern Canal Pipeline (FKCP)

**Project Number** WC00038-FKCP

**Prime Contractor** Mountain Cascade Construction Co.

**Construction Value** \$15,157,862

**Total Hours** 34,988

**Data Through** 2/5/2017

Union Affiliation	Hours	% of Total Hours
Union	33,495	96%
Non-Union	1,494	4%
Not specified	0	0%

Residency	Hours	% of Total Hours
Local Resident **	11,689	33%
Other	23,300	67%

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Trade	Hours	% of Total Hours
Bricklayer	0	0%
Carpenter	1,666	5%
Carpet/Linoleum/Resilient	0	0%
Cement Mason	0	0%
Drywall Installer/Lather	0	0%
Electrician	77	0%
Field Surveyor	0	0%
Iron Worker	0	0%
Laborer	21,180	61%
Metal Roofer	0	0%
Operating Engineer	11,149	32%
Painter	0	0%
Plaster Tender	0	0%
Plasterer	0	0%
Plumber	0	0%
Roofer	0	0%
Sheet Metal	0	0%
Teamster	884	3%
Tile Finisher	0	0%
Tile Layer	0	0%
Tile Setter	0	0%
Not specified	32	0%
Other	2	0%

Worker Type	Hours	% of Total Hours
Trade - Journeyman	26,051	74%
Trade - Apprentice	8,936	26%
Not specified	2	0%
Other	0	0%

**CONSTRUCTION WORKFORCE ANALYSIS - SUMMARY**



**Project Name** Kings River Pipeline (KRP)  
**Project Number** WC00057-KRP  
**Prime Contractor** Garney Construction Co.  
**Construction Value** \$45,583,750

**Total Hours** 23,312  
**Data Through** 2/26/2017

Union Affiliation	Hours	% of Total Hours
Union	22,668	97%
Non-Union	644	3%
Not specified	0	0%

Residency	Hours	% of Total Hours
Local Resident **	14,121	61%
Other	9,191	39%

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Trade	Hours	% of Total Hours
Bricklayer	0	0%
Carpenter	1,383	6%
Carpet/Linoleum/Resilient	0	0%
Cement Mason	0	0%
Drywall Installer/Lather	0	0%
Electrician	112	0%
Field Surveyor	0	0%
Iron Worker	522	2%
Laborer	12,496	54%
Metal Roofer	0	0%
Operating Engineer	8,755	38%
Painter	0	0%
Plaster Tender	0	0%
Plasterer	0	0%
Plumber	0	0%
Roofer	0	0%
Sheet Metal	0	0%
Teamster	0	0%
Tile Finisher	0	0%
Tile Layer	0	0%
Tile Setter	0	0%
Not specified	0	0%
Other	45	0%

Worker Type	Hours	% of Total Hours
Trade - Journeyman	21,038	90%
Trade - Apprentice	2,274	10%
Not specified	0	0%
Other	0	0%

**CONSTRUCTION WORKFORCE ANALYSIS - SUMMARY**



**Project Name** Southeast Surface Water Treatment Facility (SESWTF)  
**Project Number** WC00057-SEWTF  
**Prime Contractor** Lyles Construction Co.  
**Construction Value** \$158,766,000

**Total Hours** 195,436  
**Data Through** 2/10/2017

Union Affiliation	Hours	% of Total Hours
Union	184,634	94%
Non-Union	10,761	6%
Not specified	42	0%

Residency	Hours	% of Total Hours
Local Resident **	141,584	72%
Other	53,853	28%

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Trade	Hours	% of Total Hours
Bricklayer	1,522	1%
Carpenter	65,058	33%
Carpet/Linoleum/Resilient	36	0%
Cement Mason	14,337	7%
Drywall Installer/Lather	14	0%
Electrician	10,308	5%
Field Surveyor	183	0%
Iron Worker	22,417	11%
Laborer	47,577	24%
Metal Roofer	0	0%
Operating Engineer	28,976	15%
Painter	271	0%
Plaster Tender	0	0%
Plasterer	0	0%
Plumber	3,150	2%
Roofer	32	0%
Sheet Metal	0	0%
Teamster	363	0%
Tile Finisher	0	0%
Tile Layer	0	0%
Tile Setter	0	0%
Not specified	1,123	1%
Other	70	0%

Worker Type	Hours	% of Total Hours
Trade - Journeyman	168,684	86%
Trade - Apprentice	26,649	14%
Not specified	103	0%
Other	0	0%

**CONSTRUCTION WORKFORCE ANALYSIS - SUMMARY**



**Project Name** Regional Transmission Mains (RTM A1)  
**Project Number** WC00065-R2MFD-A1  
**Prime Contractor** Mountain Cascade Construction Co.  
**Construction Value** \$28,471,884

**Total Hours** 4,290  
**Data Through** 2/5/2017

Union Affiliation	Hours	% of Total Hours
Union	4,226	99%
Non-Union	64	1%
Not specified	0	0%

Residency	Hours	% of Total Hours
Local Resident **	2,524	59%
Other	1,766	41%

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Trade	Hours	% of Total Hours
Bricklayer	0	0%
Carpenter	0	0%
Carpet/Linoleum/Resilient	0	0%
Cement Mason	0	0%
Drywall Installer/Lather	0	0%
Electrician	0	0%
Field Surveyor	0	0%
Iron Worker	0	0%
Laborer	2,275	53%
Metal Roofer	0	0%
Operating Engineer	1,845	43%
Painter	0	0%
Plaster Tender	0	0%
Plasterer	0	0%
Plumber	0	0%
Roofer	0	0%
Sheet Metal	0	0%
Teamster	147	3%
Tile Finisher	0	0%
Tile Layer	0	0%
Tile Setter	0	0%
Not specified	0	0%
Other	24	1%

Worker Type	Hours	% of Total Hours
Trade - Journeyman	3,604	84%
Trade - Apprentice	662	15%
Not specified	0	0%
Other	24	1%

**CONSTRUCTION WORKFORCE ANALYSIS - SUMMARY**



**Project Name** Regional Transmission Mains  
(RTM A2)  
**Project Number** WC00065-R2MFD-A2  
**Prime Contractor** Floyd Johnston Construction  
**Construction Value** \$18,204,180

**Total Hours** 1,785  
**Data Through** 2/12/2017

Union Affiliation	Hours	% of Total Hours
Union	1,679	94%
Non-Union	106	6%
Not specified	0	0%

Residency	Hours	% of Total Hours
Local Resident **	1,682	94%
Other	103	6%

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Trade	Hours	% of Total Hours
Bricklayer	0	0%
Carpenter	0	0%
Carpet/Linoleum/Resilient	0	0%
Cement Mason	0	0%
Drywall Installer/Lather	0	0%
Electrician	0	0%
Field Surveyor	74	4%
Iron Worker	0	0%
Laborer	799	45%
Metal Roofer	0	0%
Operating Engineer	556	31%
Painter	0	0%
Plaster Tender	0	0%
Plasterer	0	0%
Plumber	0	0%
Roofer	0	0%
Sheet Metal	0	0%
Teamster	357	20%
Tile Finisher	0	0%
Tile Layer	0	0%
Tile Setter	0	0%
Not specified	0	0%
Other	0	0%

Worker Type	Hours	% of Total Hours
Trade - Journeyman	1,770	99%
Trade - Apprentice	15	1%
Not specified	0	0%
Other	0	0%