

C.O.R.E



College Office of
Research and Evaluation



MAINTENANCE & REPAIR WORKERS (SOC Code 49-9071)

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Overview of Maintenance and Repair Workers, General (SOC 49-9071)¹:

Emsi an economic modeling & labor market analysis company using US Census Bureau stats and the Department of Labor data, details the profession of **Maintenance and Repair workers** as involving the skills of two or more maintenance or craft occupations. Professionals in this field keep machines, mechanical equipment, or the structure of an establishment in repair.

Duties related to this field may include pipe fitting; boiler making; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing new equipment; and repairing buildings, floors, or stairs.

Sample of Reported Job Titles Include: Maintenance Mechanic, Plant Maintenance Technician, Maintenance Worker, Maintenance Technician, Maintenance Specialist, Maintenance Engineer, Field Service Engineer, Facilities Technician, Facilities Engineer and Building Mechanic.

Area Reported On: Reedley College (RC) is in the heart of the Central Valley serving Fresno and Tulare county. RC has a center in Madera County as well as a site in the town of Oakhurst. The following labor market details are concentrated mainly in Fresno and Tulare, the community served by Reedley College.

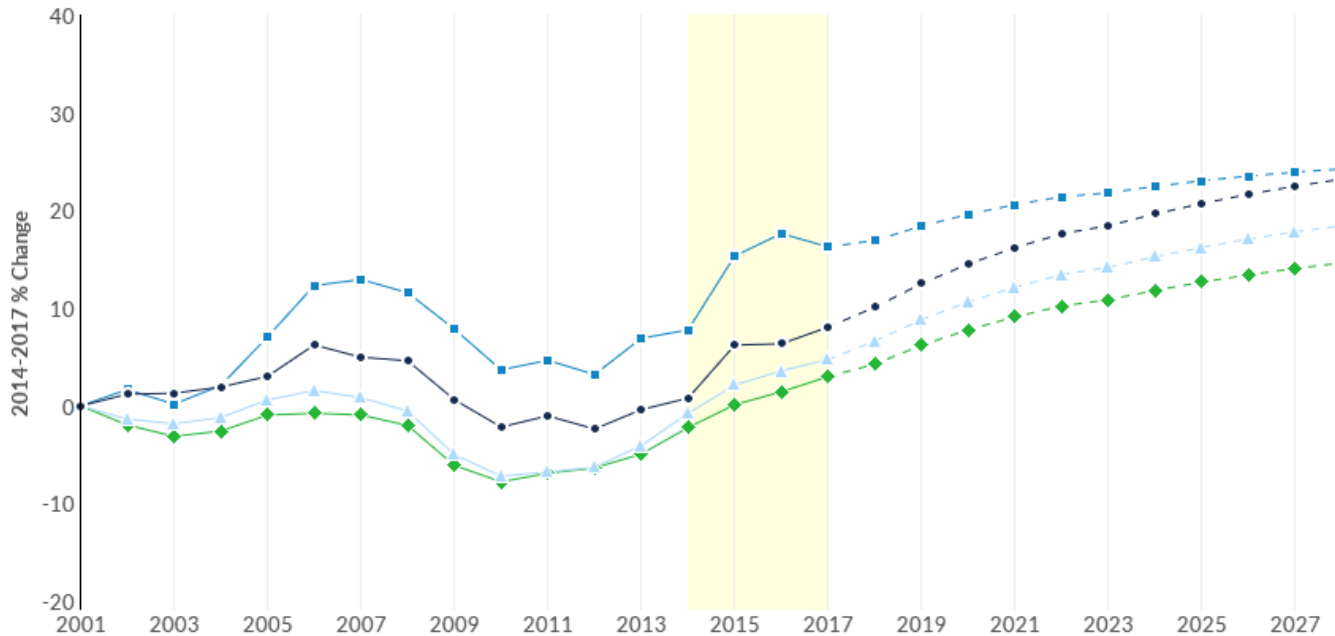
Labor Market Demand: Detailed in the graphic below you will see a 6% change, an increase in labor demand for California. When looking at Tulare County (+8%) and Fresno County (+7%) each also show an increase between 2014 and 2017, with an overall growth nation-wide. Future projections show that the job field is expected to continue to grow; locally, in California and nation-wide.



Region	2014 Jobs	2017 Jobs	Change	% Change
● Fresno County, CA	2,533	2,716	183	7%
■ Tulare County, CA	1,361	1,468	107	8%
▲ California	121,928	128,731	6,803	6%
◆ United States	1,280,286	1,348,710	68,424	5%

¹ EMSI https://w.economicmodeling.com/analyst/?t=2bQRH#h=Gyd4p&page=occupation_report

Chart associated with table above:



In cross-referencing the labor market demand for this field, O*Net Online (an online resource from the U.S. Department of Labor/Employment and Training Administration) lists this occupation as a “Bright Outlook Occupation”.² The following table ranks opportunities within the field, in this specific employee concentration³:

Rank	Region	2017 Employment Concentration
3	Mother Lode	Above Average (1.49)
6	Madera-Chowchilla	Average Opportunities (1.22)
14	Visalia-Porterville	Average Opportunities (0.98)
32	Fresno	Average Opportunities (0.75)

Wages: The Centers of Excellence compiled a Regional Labor Market Assessment in which wages and other employment factors are provided for various careers. In the assessment it states that a livable wage in the Central Valley for one adult is \$10.64⁴.

² O*Net Online <https://www.onetonline.org/help/bright/49-9071.00>

³ O*Net Online

<https://www.careeronestop.org/Toolkit/StateAndLocal/EmploymentConcentration.aspx?soccode=499071&location=California&dataview=table&national=False>

⁴ Centers of Excellence <https://dwms showcase.com/lmilibrary/documents/lma CVML 16.pdf>

In reviewing wage data, the 25th or lowest percentile wage for this sector is \$13.06, which is 23% higher than the listed livable wage. The 75th percentile details a wage of \$22.89, double the livable wage listed in the Centers of Excellence Report.

Percentile Earning Table Chart, Fresno and Madera Counties:

Percentile Earnings for Maintenance and Repair Workers, General (49-9071)



O*Net Online⁵ roughly aligns with the data for the 25th percentile. When reviewing the lowest 10th percentile, wages fluctuate between Fresno \$10.94/Hr. and Visalia-Porterville at 11.20/Hr. Still coming in above minimum wage. In the 90th percentile Fresno lists \$27.01/HR and Visalia-Porterville \$27.65/HR.

2017						
Location	Pay Period	10%	25%	Median	75%	90%
California	Hourly	\$11.86	\$14.97	\$19.83	\$26.71	\$33.27
	Yearly	\$24,670	\$31,150	\$41,240	\$55,560	\$69,200
Hanford-Corcoran, CA MSA	Hourly	\$13.42	\$16.35	\$20.97	\$25.94	\$29.33
	Yearly	\$27,910	\$34,020	\$43,620	\$53,950	\$61,010
Visalia-Porterville, CA MSA	Hourly	\$11.20	\$14.06	\$19.37	\$23.42	\$27.65
	Yearly	\$23,300	\$29,250	\$40,290	\$48,720	\$57,510
Fresno, CA MSA	Hourly	\$10.94	\$12.80	\$17.13	\$22.50	\$27.01
	Yearly	\$22,750	\$26,620	\$35,620	\$46,790	\$56,180

⁵ O*Net Online:
<https://www.careeronestop.org/toolkit/stateandlocal/wages.aspx?soccode=499071&location=California&dataview=table&hourly=False&national=False>

O*Net Online⁶ reports the following knowledge and skill sets to be attained in order to work in this field.

Knowledge:

- Mechanical
- Building and Construction
- Customer and Personal Service
- Public Safety and Security

Skills:

- Equipment Maintenance
- Repairing Troubleshooting
- Critical Thinking
- Equipment Selection

⁶ O*Net Online, Knowledge & Skills <https://www.onetonline.org/link/summary/49-9071.00>