



Plant and System Operators Occupations

51-8021	Stationary Engineers and Boiler Operators
51-8031	Water and Wastewater Treatment Plant and System Operators
51-8091	Chemical Plant and System Operators
51-8099	Plant and System Operators, All Other

Visit https://www.bls.gov/soc/major_groups.htm for more information.

Emsi Q1 2017 Data Set

March 2017

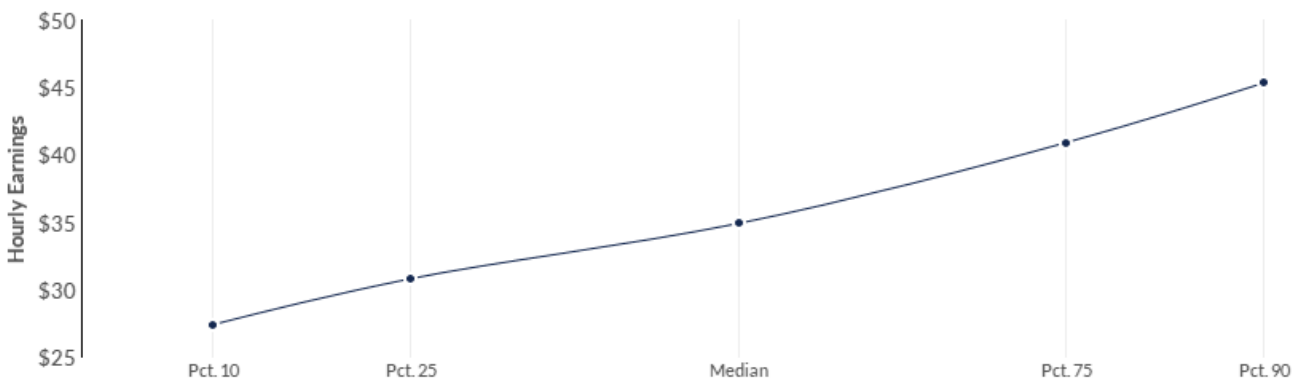
Sonoma County Economic Development Board



Percentile Earnings

Presented below are the salary ranges for the occupations included in this report. In general, the 25th percentile earnings represent the wage one might expect to receive at an entry level position for a given occupation if they have the appropriate skills, training, and certifications. Wage growth could be expected to follow the path depicted in the graph as the employee successfully completes job training and gains experience in the occupation. A more detailed explanation of percentile earnings can be found here: <https://admin.utep.edu/Default.aspx?tabid=6726>

<p>\$30.79/hr</p> <p>25th Percentile Earnings</p>	<p>\$34.90/hr</p> <p>Median Earnings</p>	<p>\$40.91/hr</p> <p>75th Percentile Earnings</p>
--	---	--



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Stationary Engineers and Boiler Operators (51-8021)	\$27.22	\$31.96	\$40.90
Water and Wastewater Treatment Plant and System Operators (51-8031)	\$32.85	\$36.52	\$41.89
Chemical Plant and System Operators (51-8091)	\$20.90	\$26.24	\$30.68
Plant and System Operators, All Other (51-8099)	\$27.65	\$34.44	\$41.77

Occupation Age Breakdown



Age	2016 Jobs	2016 Percent
14-18	0	0.0%
19-24	7	2.3%
25-34	47	15.9%
35-44	62	20.8%
45-54	101	34.0%
55-64	66	22.4%
65+	13	4.4%

Industries Employing Plant and System Operators Occupations

Industry	Occupation Group Jobs in Industry (2016)	% of Occupation Group in Industry (2016)	% of Total Jobs in Industry (2016)
Local Government, Excluding Education and Hospitals	185	62.6%	1.9%
Water Supply and Irrigation Systems	16	5.5%	26.2%
Wineries	14	4.8%	0.2%
All Other Basic Organic Chemical Manufacturing	<10	2.7%	5.1%
Hazardous Waste Treatment and Disposal	<10	2.5%	4.8%

Most Relevant Hard Skills

Skill	Skill
Arithmetics	Construction
Operational Excellence	Materials
Control Systems	Government
Computer Control Systems	Emergency Handling
Heating And Cooling	Instructions
Infection Control	Maintenance
Material Handling	Lifting
Air Conditioning	Cleaning
Continuous Improvement Process	Innovation
Corrective And Preventive Actions	Analysis
Unloading	Testing
Storage (Warehousing)	Management
Mathematics	Scheduling (Project Management)
Leadership	

Top Companies Job Postings

Jan. 2017 - Feb. 2017

Company	Total/Unique / , %6-n%
STERIS Corporation	8 / 4
Kaiser Permanente	6 / 2

Appendix A - Data Sources and Calculations

The Sonoma County Economic Development Board (EDB) prepares custom EDB Job Market Tracker Reports to provide insights into current workforce demands of the local economy by analyzing online job posting data and historical job data. Data used to inform the development of this report was collected by the EDB from the data provider Economic Modeling Specialists, Inc. (Emsi), a labor market database that compiles job postings from national, public, and corporate sources. If you have any questions, please contact the EDB at 707-565-7170.

OccupationData

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

State Data Sources

This report uses state data from the following agencies: California EDD Labor Market Information Division