



Energy Solutions Industry

REAL TIME LABOR MARKET SUMMARY

June 2017 ■ Statewide

Energy Solutions Industry Labor Analysis across the state during the last 6 months.

A sampling of the Energy industry for the 6 month period showed over 3,500 job postings for top demand jobs. The top occupation was Wholesale and Manufacturing Sales Representative, making up 4.3% of total job postings for the time period.

Top Job Postings		% Online Job Postings
SOC code	Occupation	
Now Occupations		
41-4012	Sales Representatives, Wholesale and Manufacturing	4.3%
43-4051	Customer Service Representatives	3.0%
43-6014	Secretaries and Administrative Assistants	1.5%
27-1026	Merchandise Displayers and Window Trimmers	1.4%
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1.2%
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1.0%
51-9199	Production Workers, All Other	0.9%
43-5061	Production, Planning, and Expediting Clerks	0.6%
41-9099	Sales and Related Workers, All Other	0.5%
43-5081	Stock Clerks- Stockroom, Warehouse, or Storage Yard	0.5%
Next Occupations		
49-9071	Maintenance and Repair Workers, General	2.0%
19-4099	Quality Control Analysts	1.4%
51-1011	First-Line Supervisors of Production and Operating Workers	0.8%
49-9021	Heating and Air Conditioning Mechanics and Installers	0.8%
15-1151	Computer User Support Specialists	0.8%
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.7%
53-3032	Heavy and Tractor-Trailer Truck Drivers	0.7%
17-3013	Mechanical Drafters	0.6%
43-1011	First-Line Supervisors of Office and Admin. Support Workers	0.6%
15-1134	Web Developers	0.6%
Later Occupations		
11-9199	Managers, All Other	4.1%
15-1132	Software Developers, Applications	3.6%
17-2051	Civil Engineers	2.5%
19-2031	Chemists	2.0%
11-9041	Architectural and Engineering Managers	1.7%
13-1071	Human Resources Specialists	1.6%
11-2022	Sales Managers	1.6%
11-1021	General and Operations Managers	1.5%
17-2141	Mechanical Engineers	1.4%
17-2071	Electrical Engineers	1.3%

Occupations are divided into Now, Next and Later categories based on the typical training and education required. Now occupations usually require 1-12 months of on-the-job training. Next occupations usually require more than one year of on-the-job training and can additionally need specific work experience. These occupations often require an associate's degree or vocational certificate. Later occupations usually require a bachelor's degree or higher and may need specific work experience.

Over one-half (58%) or total job postings were found in the Later category, indicating this is an industry that demands technical and skilled labor.

The top 5 employers for the 6 month time period were HNTB, Burns & McDonnell, Emerson Electric, Johnson Controls, and Application Engineering Group.



Energy Solutions Industry Skills and Certificates

Top 10 Basic Skills	
Description	Rank
Communication Skills	1
Writing	2
Research	3
Problem Solving	4
Organizational Skills	5
Planning	6
Detail-Oriented	7
Computer Skills	8
Team Work/ Collaboration	9
Quality Assurance and Control	10

Top 10 Specialized Skills	
Description	Rank
Microsoft Excel	1
Microsoft Office	2
Project Management	3
Scheduling	4
Budgeting	5
Customer Service	6
Microsoft Powerpoint	7
Microsoft Word	8
Customer Contact	9
Supervisory Skills	10

Basic skills are the most numerous, being found in the majority of job advertisements. Several soft skills such as communication, writing, and problem solving ranked in the top 10. Communication Skills were found in over two-fifths (41%) of total job postings. Top specialized skills included knowledge of Microsoft Office products, project management, and scheduling.

Top 10 Software Skills	
Description	Rank
Microsoft Excel	1
Microsoft Office	2
Microsoft Powerpoint	3
Microsoft Word	4
AutoCAD	5
SAP	6
SQL	7
Adobe Photoshop	8
Oracle	9
Adobe Indesign	10

Top 10 Certificates	
Description	Rank
Professional Engineer	1
Security Clearance	2
Project Management Certification (E.G. PMP)	3
Certified Public Accountant (CPA)	4
HVAC Technician Certification (E.G. EPA 608)	5
American Board For Engineering And Technology (ABET) Accredited	6
Environmental Protection Agency Certification	7
Forklift Operator Certification	8
American Institute Of Certified Planners Certification	9
Six Sigma Certification	10

Top requested software skills included several Microsoft Office programs, AutoCAD, and SAP. Professional Engineer was the top requested certificate, followed by Security Clearance and Project Management Certification (PMP).

Notes:

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insighttm tool which collects information from over 35,000 web sources, including job boards, newspapers, and employer websites. While this analysis presents a broad picture of hiring activity and serves as a measure of labor demand, it does not capture openings that are filled through other networks.

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