



Energy Solutions Industry

REAL TIME LABOR MARKET SUMMARY

December 2017

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 3,000 job postings for top demand jobs. The top occupation was Software Developers, Applications, making up 4.4% 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	3.9%
43-4051	Customer Service Representatives	2.2%
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1.2%
51-9199	Production Workers, All Other	0.9%
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	0.8%
43-6014	Secretaries and Administrative Assistants	0.8%
27-1026	Merchandise Displayers and Window Trimmers	0.7%
43-5061	Production, Planning, and Expediting Clerks	0.5%
41-9099	Sales and Related Workers, All Other	0.4%
53-7051	Industrial Truck and Tractor Operators	0.3%
Next Occupations		
49-9071	Maintenance and Repair Workers, General	2.2%
51-1011	First-Line Supervisors of Production and Operating Workers	0.9%
15-1151	Computer User Support Specialists	0.8%
19-4099	Quality Control Analysts	0.8%
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.7%
15-1134	Web Developers	0.6%
17-3029	Manufacturing Production Technicians	0.6%
43-1011	First-Line Supervisors of Office and Admin. Support Workers	0.6%
51-4041	Machinists	0.6%
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	0.5%
Later Occupations		
15-1132	Software Developers, Applications	4.4%
11-9199	Managers, All Other	3.4%
17-2051	Civil Engineers	3.1%
19-2031	Chemists	2.3%
17-2071	Electrical Engineers	2.2%
15-1199	Computer Systems Engineers/Architects	2.1%
17-2141	Mechanical Engineers	2.0%
11-9041	Architectural and Engineering Managers	1.8%
11-2022	Sales Managers	1.7%
15-1121	Computer Systems Analysts	1.4%

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.

Nearly two-thirds (64%) of total job postings were found in the Later category, indicating this is an industry that demands technical and skilled labor.

The top five employers for the 6-month period of June 2017 – November 2017 were:

- Burns & McDonnell
- Emerson Electric
- Johnson Controls
- Application Engineering Group
- HNTB.

Energy Solutions Industry Skills and Certificates

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

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

Basic skills are the most numerous, 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, scheduling, and project management.

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

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

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

Notes:

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insight™ 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.

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner.

