Energy Industry Resource Guide

**Background:** The energy industry includes all companies and government agencies responsible for the development, production, distribution and sale of electricity and fuel. This includes the petroleum, gas, electrical power, coal, nuclear power and renewable energy industries.

**Job and Internship Search**

Energy Careers: [www.energycareers.com](http://www.energycareers.com)

Employment Crossing – Energy: [www.energycrossing.com](http://www.energycrossing.com)

Energy Vortex: [www.energyvortex.com/careercenter](http://www.energyvortex.com/careercenter)


Energy Jobs Network: [www.energyjobsnetwork.com](http://www.energyjobsnetwork.com)

Energy Central Jobs: [www.energycentraljobs.com](http://www.energycentraljobs.com)

Stop Dodo: [www.environmentjobs.com](http://www.environmentjobs.com)

Renewable Energy Jobs: [www.renewableenergyjobs.com](http://www.renewableenergyjobs.com)

Carey Compass: [https://c16-shib.symplicity.com/sso](https://c16-shib.symplicity.com/sso)

**Entry:** The industry employs about 2.5 million people in a variety of positions, about two percent of which are new MBA graduates. It is a challenging field to enter and requires some background knowledge of both the technical and economic sides of the industry. Energy is an international industry, with many companies having offices on six continents. Many U.S.-based companies that do business internationally may not be hiring in the U.S., but may be taking on qualified people overseas, particularly in developing nations.

**Trends:** The energy industry is constantly changing. While for years the three big fossil fuels—coal, natural gas, and petroleum—supplied the vast majority of the United States’ fuel and electricity needs, recent concerns about climate change and energy independence have spurred a push toward cleaner, renewable sources of energy. Companies producing electricity hydroelectrically, from wind turbines, and solar panels, as well as fuel from biodiesel, have begun to grow. Careers in the field will continue to develop as research progresses on ways to make existing fuel supplies last longer and how to develop new sources of sustainable energy.

**Industry Overviews, Tools, Research**

*Resources and News*

The Vault Career Guide to the Energy Industry*


The Economist: [www.economist.com/topics/energy-industry](http://www.economist.com/topics/energy-industry)


U.S. Energy Information Administration: [www.eia.gov](http://www.eia.gov)


[www.altenergy.org](http://www.altenergy.org)

[www.renewableenergyworld.com](http://www.renewableenergyworld.com)

*Also: Individual firm websites*

"Vault Guides can be purchased at various online retailers OR downloaded for free via Carey Compass. Once logged onto Carey Compass, click “VAULT guides –Career Insider” under “My Quicklinks.” You must create an account on the vault.com site using your JHU email address.

This Resource Guide is intended to provide an introduction to the industry and relay a sampling of the resources available to candidates. It is by no means comprehensive, nor intended to replace individual research based on specific job targets and/or career advising recommendations."
Leading Firms

Integrated Oil and Gas
- Exxon Mobil Corp. (U.S.): www.exxonmobil.com
- Chevron Corp. (U.S.): www.chevron.com
- Royal Dutch Shell (Neth): www.shell.com
- BP (UK): www.bp.com

Renewables
- First Solar (U.S.): www.firstsolar.com
- Sharp Solar (Jap): www.sharp-solar.com
- Biofuel Energy Corp (U.S.): www.bfenergy.com

Regional Firms
- Astrum Solar (MD): www.astrumsolar.com
- GridPoint (VA): www.gridpoint.com
- Clean Currents (MD): www.cleancurrents.com

Professional Associations

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<thead>
<tr>
<th>Name</th>
<th>Function</th>
<th>Membership and Benefits</th>
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<tbody>
<tr>
<td>American Council for an Energy-Efficient Economy (ACEEE)</td>
<td>Acts as a catalyst to advance energy efficiency policies, programs, technologies, investments, and behaviors</td>
<td>Organizational</td>
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<td><a href="http://www.aceee.org">www.aceee.org</a></td>
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<tr>
<td>Association of Energy Services Professionals (AESP)</td>
<td>Provides professional development programs, a network of energy practitioners, and promoting the transfer of knowledge and experience</td>
<td>Individual - $195</td>
</tr>
<tr>
<td><a href="http://www.aesp.org">www.aesp.org</a></td>
<td></td>
<td>Networking, annual conference, resource library, member directory, training</td>
</tr>
<tr>
<td>Young Professionals in Energy</td>
<td>Facilitates the advancement of young professionals in the energy industry around the world through social, educational, and civic/service-oriented events</td>
<td>Free</td>
</tr>
<tr>
<td><a href="http://www.ypenergy.org">www.ypenergy.org</a></td>
<td></td>
<td>Networking, training, events</td>
</tr>
<tr>
<td>National Association of Energy Service Companies (NAESCO)</td>
<td>Promotes efficiency as the first priority in a portfolio of economic and environmentally sustainable energy resources</td>
<td>Organizational</td>
</tr>
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<td><a href="http://www.naesco.org">www.naesco.org</a></td>
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Networking

LinkedIn Energy Industry: www.linkedin.com/skills/skill/Energy_Industry
Carey Energy and Environment Club: www.careystudents.com/energy_and_environment
Women's Energy Network: www.womensenergynetwork.org
Johns Hopkins Affinity Groups – Energy: www.alumni.jhu.edu/affinitygroups/energy

Questions about the energy industry?
Contact Corinne Brinnier at cbrinnier@jhu.edu

Events and Conferences

EIA Energy Conference: www.eia.gov/conference/2013
Total Energy USA Conference: www.totalenergyusa.com
Advanced Energy Conference: www.aertc.org/conference2013
Solar Power International: www.solarpowerinternational.com
Offshore Technology Conference: www.otcnet.org/2014
Annual Sustainable Energy Conference: www.sustainable-energy-conference.org