

## Digest of Green Reports and Studies

<b>Title</b>	<b><i>An Analysis of Clean Energy Workforce Needs and Programs in Oregon – Sustainable Oregon Workforce Phase 1 Report</i></b>
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<b>Publication Type</b>	Report – Results from an Original Survey
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<b>URL</b>	<a href="http://www.3estrategies.org/Documents/SOWreport_Final_may.pdf">http://www.3estrategies.org/Documents/SOWreport_Final_may.pdf</a>
<b>Summary</b>	Cylvia Hayes of 3EStrategies conducted an analysis of Oregon’s clean energy workforce needs to identify gaps between industry needs and available training programs and published this report in May 2008. The study found that, although Oregon has a robust and diverse clean energy industry and there are numerous training programs, there are still several gaps between industry needs and workforce availability. These include gaps in communication, educational curriculum, and availability of workers.
<b>Key Findings</b>	<ul style="list-style-type: none"> <li>• Communication gaps between key stakeholders are preventing training program development and collaboration and utilization of resources</li> <li>• Clean energy education is lacking in core high school and post-secondary curriculum</li> <li>• Difficulty finding employees with basic skills</li> <li>• Supply of wind technicians inadequate to growing demand</li> <li>• Shortage of manufacturing and assembly workers</li> </ul>
<b>Recommendations</b>	<ul style="list-style-type: none"> <li>• Strengthen capacity of community colleges and establish a funding mechanism to meet the industries’ needs</li> <li>• Implement methods for Oregon to track employment data for clean energy industries</li> <li>• Increase collaboration between key stakeholders</li> <li>• Establish internships and mentoring programs</li> <li>• Integrate clean energy information into the core curriculum for academic and technical programs</li> <li>• Create pathways for impoverished people to find employment in clean energy industries, and design career advancement opportunities within industries</li> </ul>
<b>Definition of “Green”</b>	<i>None.</i>
<b>Methodology</b>	Feedback meetings, electronic surveys, interviews
<b>Data Sources Cited</b>	<i>n/a</i>
<b>Report Geography</b>	Oregon
<b>Green Occupations Cited</b>	<ul style="list-style-type: none"> <li>• Geothermal Heat Pump Installer</li> <li>• Geothermal Heat Pump Designer</li> <li>• Facilities Manager</li> <li>• Geothermal Analyst</li> <li>• Solar Installer kw &lt;25</li> <li>• Solar Installer kw &gt; 25</li> <li>• Manufacturing Production</li> <li>• Energy Analyst</li> <li>• Energy Engineer</li> <li>• Biomass Plant Operator</li> <li>• Wind Energy Technician</li> <li>• Manufacturing/Assembly Technician</li> <li>• Fuel Cell Test Technician</li> </ul>
<b>Green Industries Cited</b>	<ul style="list-style-type: none"> <li>• Solar</li> <li>• Wind</li> <li>• Geothermal</li> <li>• Fuel Cells</li> <li>• Small Hydro</li> <li>• Biomass</li> <li>• Wave</li> <li>• Green Building</li> <li>• Biofuels</li> </ul>
<b>Keywords</b>	Oregon; clean energy; solar; wind; geothermal; green building; training programs.
<b>Legislation Cited</b>	<i>None.</i>
<b>Bibliography (Y/N)</b>	Y
<b>Reviewer Name/Org</b>	Brooke Jackson, Oregon Employment Department

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