

## Digest of Green Reports and Studies

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| <b>Title</b>                   | <i>New Jersey Going Green - - A Demand-Supply Analysis of Current and Potential Green Jobs and Green Skills</i>  |
| <b>Author</b>                  | NA   |
| <b>Organization</b>            | Division of Labor Market and Demographic Research – New Jersey Department of Labor and Workforce Development   |
| <b>Author Contact</b>          | NA   |
| <b>Publication Type</b>        | Report – Literature research and results from an original survey of county colleges and vocational schools.  |
| <b>Publication Date</b>        | October 8, 2009  |
| <b># of Pages</b>              | 63 pp.   |
| <b>URL</b>                     | <a href="http://lwd.dol.state.nj.us/labor/lpa/pub/studyseries/njgreen.pdf">http://lwd.dol.state.nj.us/labor/lpa/pub/studyseries/njgreen.pdf</a>  |
| <b>Summary</b>                 | This report provides an overview of current green industries and opportunities for a Green Workforce in the state of New Jersey and its three regions. There is a regional analysis along with graphs showing the relative strengths of each green industry sector. The report estimates current demand for green jobs by tracking online job postings. In this section there are a group of graphs and data tables covering job openings each with totals broken down by occupational group and job type. Later on the report lists staffing patterns, certifications, and training opportunities available for several broad green industry sectors. The appendix at the end of the report has detailed maps showing the geographic distribution of green industries.  |
| <b>Key Findings</b>            | The report found 254,000 workers in New Jersey perform at least one green or potentially green function. 20,764 firms and 191,888 workers in green industries. Out of 20,764 firms, 17,263 of them are in energy efficiency, 2,177 firms are involved in renewable energy, 1,250 do environmental remediation, and the remaining 75 firms are in the transportation sector. Out of 191,888 workers, 102,359 of them are employed in energy efficiency, 64,381 are in renewable energy, 17,428 are in remediation, and the remaining 7,713 workers are in the transportation sector. Employment in green industries is highest in Northern New Jersey. This region excels in manufacturing of energy efficient products. Central New Jersey has the second highest concentration of green employment and is strong in wind energy. The Southern Region has the lowest level of green employment but has a relatively large solar energy subsector. The report suggests that further research is needed on green industries and staffing patterns. |
| <b>Recommendations</b>         | Seeks grants to 1) define “Green”, 2) asses its potential growth, 3) analyze green job vacancies, and 4) analyze green job skills. A regional green jobs strategy is needed with the cities of New York and Philadelphia.  |
| <b>Definition of “Green”</b>   | Businesses involved in 1) energy efficiency, 2) renewable energy, 3) waste reduction and management, 4) transportation   |
| <b>Methodology</b>             | Literature research covering studies done by Oregon, Washington, and Colorado LMI shops. They conducted their own survey of county colleges and vocational skills relating to “green skills”. Also the New Jersey Real Time Jobs in Demand Tool was used to get beyond the limits of SOC and indentify current green jobs by doing queries of job postings on the internet.  |
| <b>Data Sources Cited</b>      | QCEW, OES, and research conducted by other states  |
| <b>Report Geography</b>        | New Jersey statewide and its regions: North, Central, and South  |
| <b>Green Occupations Cited</b> | Please refer to table 3 on pg. 28-29, table 4 pg. 33-34, table 5 pg. 38-39, table 6 pg. 41-42, table 7 pg. 44-45, and table 8 pg. 51-52.   |
| <b>Green Industries Cited</b>  | <ul style="list-style-type: none"> <li>• Building installation</li> <li>• Residential construction</li> <li>• Commercial and industrial construction</li> <li>• Building and equipment manufacturing</li> <li>• Biofuel energy</li> <li>• Solar energy</li> <li>• Wind</li> <li>• Thermal, hydraulic, and other renewable energy</li> <li>• Environmental remediation</li> <li>• Transportation</li> </ul>   |
| <b>Keywords</b>                | Green jobs; New Jersey; energy efficiency; renewable energy; environmental remediation; transportation; LEED.  |
| <b>Legislation Cited</b>       | NJ 52:27F-14 New Jersey’s Energy Master Plan (EMP)<br>P.L. 111-5 The American Recovery and Reinvestment Act (ARRA)   |
| <b>Bibliography (Y/N)</b>      | N  |
| <b>Reviewer Name/Org</b>       | Brad Bailey/EDD Labor Market Information Division  |

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