

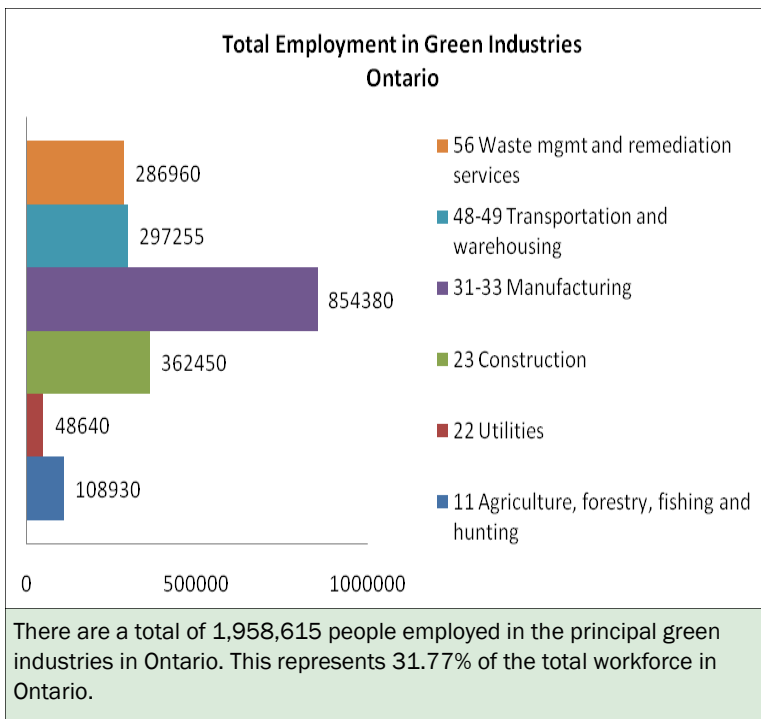
Workforce Focus

Serving Bruce Grey Huron Perth
Four County Labour Market Planning Board

Green Economy in Ontario

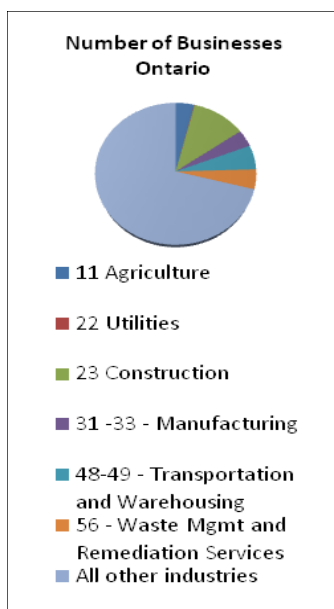
The green economy is a rapidly growing sector affecting a wide array of industries and occupations. The introduction of Ontario's Green Energy Act (GEA), 2009, has served as a catalyst for building a stronger, more sustainable economy. In its first three years, the GEA is expected to create 50,000 clean energy jobs across the province. As the province transitions to a greener economy, one of the most critical issues facing "green" industries is the shortage of skilled labour.

According to Statistics Canada the environmental industry consists of activities undertaken by firms in measuring, preventing, limiting or correcting environmental damage, as well as those that engage in clean or resource-efficient technologies, that reduce emissions and/or that minimize waste disposal problems. With a wide range of activities included in this definition, the green economy can be best understood as a cluster of industries. The principal industries include: agriculture, waste management and remediation services, construction, manufacturing, transportation and warehousing and utilities.



Source: Statistics Canada, Census 2006

What makes an industry "green"?



While the six industries identified above represent a large portion of the green economy, there are still many other industries across Canada taking part in the transition to a greener economy. Many of the green initiatives presently underway are focused on increasing efficiency, reducing environmental footprint, and internal skills development programs. Additional examples of green initiatives are provided below.

| Examples of Green Initiatives | |
|-------------------------------------|---|
| Site remediation | Energy efficiency |
| Air quality assessment | Light weighting initiatives (automotive) |
| Internal training/education courses | Energy auditing / energy efficient buildings |
| Sustainable packaging | Alternate fuel / bio fuels research and development |
| Reducing energy consumption | Integrated training / interdisciplinary |
| Water usage reduction | Fuel usage reduction |
| Emission reduction | |

Source: Environmental Careers Organization Canada

As of June 2010, there were a total of 255,540 businesses operating in the principal green industries, representing 40.90% of all businesses in Ontario.

Source: Statistics Canada, Canadian Business Patterns, June 2010

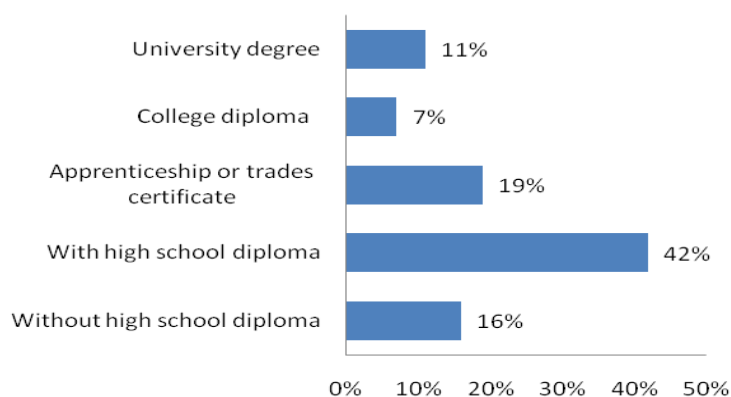
Research conducted by sector council ECO Canada has examined labour shortages expected to impact the environmental industry in the near future. Priority occupations are defined as those that are in short supply in the environmental sector. ECO Canada identified 10 occupations which are included in the following table.

| Priority Occupations in Green Economy Four County Labour Market Planning Board | | | | | |
|---|--|---------------------------|-----------------------|--|----------------------------|
| NOC | Occupation | Bruce, Grey, Huron, Perth | % of Total Employment | Top Industry of Employment | % Employed in Top Industry |
| 0212 | Architecture and science managers | 25 | 0.02% | 91 Public administration | 40.00% |
| 2113 | Geologists, geochemists and geophysicists | 0 | 0.00% | N/A | N/A |
| 2121 | Biologists and related scientists | 45 | 0.03% | 41 Wholesale trade | 33.33% |
| 2122 | Forestry professionals | 20 | 0.02% | 11 Agriculture, forestry, fishing and hunting | 50.00% |
| 2123 | Agricultural representatives, consultants and specialists | 55 | 0.04% | 54 Professional, scientific and technical services | 54.55% |
| 2131 | Civil engineers | 110 | 0.08% | 54 Professional, scientific and technical services | 50.00% |
| 2153 | Urban and land use planners | 50 | 0.04% | 91 Public administration | 80.00% |
| 2231 | Civil engineering technologists and technicians | 30 | 0.02% | 54 Professional, scientific and technical services | 83.33% |
| 2263 | Inspectors in public and environmental health and occupational health and safety | 315 | 0.24% | 22 Utilities | 49.21% |
| 4161 | Natural and applied science policy researchers, consultants and program officers | 45 | 0.03% | 91 Public administration | 33.33% |

Source: Environmental Careers Organization Canada; Statistics Canada, Census 2006

Green Economy in Bruce, Grey, Huron and Perth

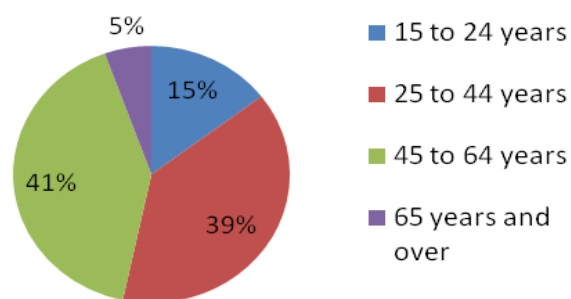
Educational Attainment



Across the Bruce, Grey, Huron, Perth region, 38% of workers employed in the green industries have completed some form of post-secondary education. As more industries begin to integrate green practices into daily operations, research suggests the demand for specialized knowledge attained through higher education will also increase.

Source: Statistics Canada, Census 2006

Age of Workforce



Across this region, the majority of workers are between 45 to 64 years of age. This may suggest a greater need to retrain older workers but also an increased need to replace retiring workers over the next 10 years.

Source: Statistics Canada, Census 2006

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