

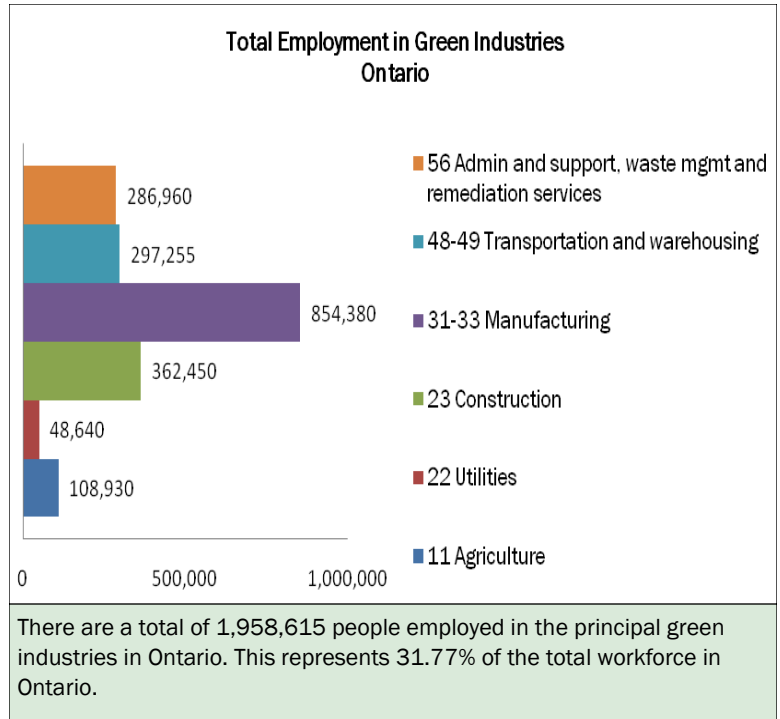
# Workforce Focus

## North Superior Workforce 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 which include: agriculture, administration and support 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 industries that were classified as green, representing 40.90% of all businesses in Ontario.

Source: Statistics Canada, Canadian Business Patterns, June 2010

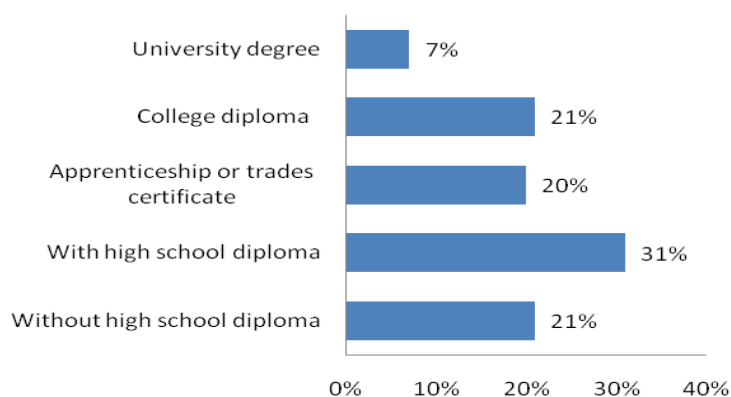
Research conducted by sector council ECO Canada (Environmental Careers Organization Canada) has examined labour shortages expected to impact the environmental industry in the near future. Priority occupations are defined as those that are in short supply in the environmental sector. ECO Canada identified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

Priority Occupations in Green Economy North Superior Workforce Planning Board					
NOC	Occupation	Thunder Bay Census Division	% of Total Employment	Top Industry of Employment	% Employed in Top Industry
0212	Architecture and science managers	35	0.05%	54 Professional, scientific and technical services	57.14%
2113	Geologists, geochemists and geophysicists	120	0.19%	21 Mining and oil and gas extraction	41.67%
2121	Biologists and related scientists	55	0.09%	91 Public administration	45.45%
2122	Forestry professionals	130	0.20%	54 Professional, scientific and technical services	26.92%
2123	Agricultural representatives, consultants and specialists	No data	No data	No data available	
2131	Civil engineers	140	0.22%	91 Public administration	32.14%
2153	Urban and land use planners	25	0.04%	91 Public administration	100.00%
2231	Civil engineering technologists and technicians	50	0.08%	91 Public administration	40.00%
2263	Inspectors in public and environmental health and occupational health and safety	65	0.10%	91 Public administration	61.54%
4161	Natural and applied science policy researchers, consultants and program officers	35	0.05%	11 Agriculture, forestry, fishing and hunting	28.57%

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

## Green Economy in Thunder Bay Census Division

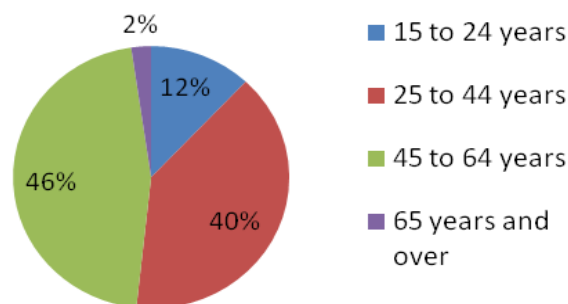
### Educational Attainment



Across the Thunder Bay census division, almost half of the workforce employed in green industries has attained post secondary education; the majority of which has completed a college diploma. 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



In this region the majority of people working in the green economy are between 45 to 64 years of age which suggests an increased need to replace retiring workers over the next 10 years.

Source: Statistics Canada, Census 2006

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