

## Trade Description

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Maintains equipment, boilers and generators that provide heat, ventilation and power for buildings

**Sector:** Industrial/Manufacturing

**Key Skills or Attributes:**

Good communication skills, strong analytical abilities, mechanical aptitude, good vision and the ability to distinguish colors. Ability to adapt to change and a willingness to keep up with new developments are important

**Other Considerations (if applicable):**

**National Occupational Analysis:**

<b>Apprenticeable</b>	Y	<b>Trade Regulation Exists</b>	Y
<b>Journeyman to Apprentice Ratio</b>	1:1	<b>Compulsory Certified - ATQA</b>	N
<b>Red Seal</b>	N	<b>Compulsory Certified - Other</b>	Y

**Applicable Legislation or Regulatory Authority:**

Apprenticeship and Trades Qualifications Act  
Technical Safety Act

**Trade Regulation Under Review:** No

**Order in Council Date:**

## Training Pathways

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**Trades Qualifier Hours:** Contact Technical Safety

**Apprenticeship Hours:** Contact Technical Safety

**Training Standards:** Y

**Technical Training Available:** Y

<b>Available Training Options (if applicable)</b>	
<b>Program Name:</b>	<b>Provider:</b>
Power Engineering Technology Diploma (2 yr)	<i>NSCC</i>
Process Operations - Fourth Class Power Engineering Certificate (1 yr)	<i>NSCC</i>
Apprenticeship Training Power Engineer Courses (3rd Class) (8 weeks)	<i>NSCC</i>
Apprenticeship Training Power Engineer Courses (2nd class) (18 weeks)	<i>NSCC</i>
Apprenticeship Training Power Engineer Courses (4th class) (8 weeks)	<i>NSCC</i>

## Pre-apprenticeship Statistics

**Program Name:** Power Engineering Technology

**Program Length:** 2 Yr **Program Location:** Akerley, Strait Area

Fall 2014-15 Applications 1st choice:	318	<b>Enrolment 2014:</b>	87
2nd choice:	152	<b>Average Age:</b>	24.3
Graduations 2014:	38	<b>% Female:</b>	16.0%

**Program Name:** Process Op 4th Class Power Eng

**Program Length:** 1 Yr **Program Location:** Marconi

Fall 2014-15 Applications 1st choice:	124	<b>Enrolment 2014:</b>	30
2nd choice:	36	<b>Average Age:</b>	26.5
Graduations 2014:	23	<b>% Female:</b>	27%

**Program Name:**

**Program Length:** **Program Location:**

Fall 2014-15 Applications 1st choice:	<b>Enrolment 2014:</b>
2nd choice:	<b>Average Age:</b>
Graduations 2014:	<b>% Female:</b>

**Program Name:**

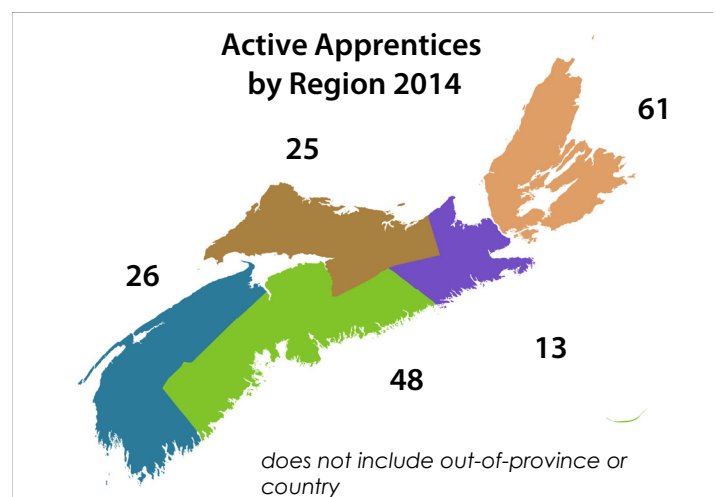
**Program Length:** **Program Location:**

Fall 2014-15 Applications 1st choice:	<b>Enrolment 2014:</b>
2nd Choice:	<b>Average Age:</b>
Graduations 2014:	<b>% Female:</b>

## Apprenticeship Statistics

### Active Apprentices

As of Dec. 31, 2014	174
As of Dec. 31, 2013	168
# Female 2014	7
# Female 2013	6
<b>New Apprentices 2014</b>	<b>33</b>
<b>Youth Apprentices 2014, Ages 16-19</b>	<b>0</b>



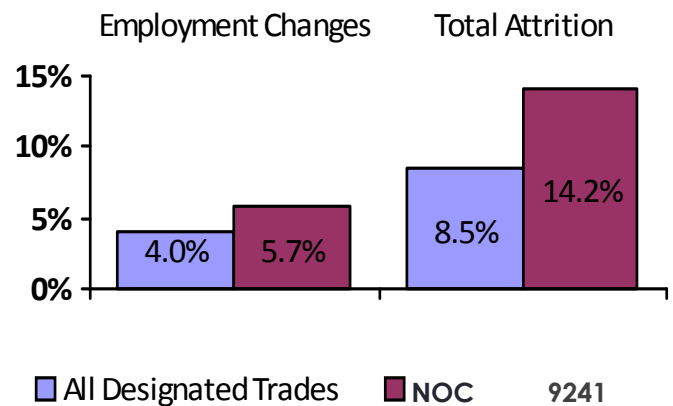
## Apprenticeship Statistics

<b>Certificates of Qualifications (CQ) Issued, 2014</b>	
<u>Apprentices</u>	
Pass Rate (CQ)	na
Red Seals Issued 2014	0
<u>Trade Qualifiers</u>	
Pass Rate (CQ)	na
Red Seals Issued 2014	0
Active Employers w/Apprentices	49
Technical Training Attendance	87
Training Sessions Cancelled	

## Employment Outlook

**Employment Prospect Call (2014-16):** Fair  
(good, fair, undetermined)

### Employment Forecast (2014-16)



*Total attrition=retirements+deaths*

## Workforce Statistics

**2011 NOC Title:** Power Engineers and Power Systems Operators

**2011 NOC Group:** 9241

Main Industries	NAICS Code	Employment Share (%)
1 Other Industries	Other	56.3%
2 Utilities	221	21.4%
3 Food manufacturing	311	12.6%

	NS	Canada		NS	Canada
Employment Change, 2006-11:	-160	-7360	Employment 2011:	1030	29565
Median Age (years):	50	46	% Females:	2	6
EI Claims, Average Monthly 2014:	76	NA	% Self-employed:	0	2
Median Employment Income (\$):	54,900	74,850	% in a CMA/CA:	58	69
Temporary Resident Work Permits, 2014 (as of Q2 2015)	1	39	% with post-secondary credential:	92	82

## Resources

**Careers Nova Scotia** <http://careers.novascotia.ca/occupation/163> and <http://careers.novascotia.ca/occupation/155>