

# OCCUPATIONAL TOOL AND EQUIPMENT LIST

## POWERLINE TECHNICIAN



Government of Newfoundland Labrador  
Department of Immigration, Skills and Labour  
Apprenticeship & Trades Certification Division

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## **Preface**

This document is intended as a companion to the December 2013 Plan of Training for the **Powerline Technician** occupation. It identifies the necessary tools and equipment required by apprentices and training institutions for the completion of apprenticeship.

## **Acknowledgements**

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A sincere thank you is offered to everyone involved.

## **Contact Information**

Department of Advanced Education and Skills  
Apprenticeship and Trades Certification Division  
Tel: 709-729-2729 / 1-877-771-3737  
Email: [app@gov.nl.ca](mailto:app@gov.nl.ca)  
Web: [www.gov.nl.ca/atcd](http://www.gov.nl.ca/atcd)

### **Note:**

The numbers suggested in the following Tools and Equipment List represents the required minimum. Please verify this list with your selected training institution.

## Tools and Equipment List Powerline Technician

SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT			
Item	Units for Individual Students	Required for Entry (E) Advanced (A) Both (B)	Comments
<b>Personal Protective Equipment</b>			
Boots - electric shock resistant	1	B	CSA Grade 1
Hard hat - with chin strap	1	B	CSA Type 2, Class E
Leather gloves (summer) with a 6" gauntlet	1	B	
Leather gloves (winter) with a 6" gauntlet	1	B	
Safety Glasses	1	B	CSA approved

Note: If identifying sets, please include specific information.

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
<b>Hand Tools</b>				
Allen keys (Imperial)	1	15	B	
Allen keys (Metric)	1	15	B	
Bench vice	3	5	B	
Bolt cutters	5	3	B	
Cable cutters	3	5	B	
Cant hook	3	5	B	
Compression tools (set)	5	3	B	
Crow bar	5	3	B	
Digging bar	5	3	B	
Drill bits (Imperial)	3	5	B	
Fiberglass or Wood folding tape measure	15	1	B	
File – Flat	15	1	B	
File – Round	3	5	B	
Fuse puller	1	15	B	
Hammer – 32oz Ball Peen (with fiberglass handle)	15	1	B	
Level	3	5	B	
Nut drivers (Imperial) set	15	1	B	
Nylon straps	3	5	B	
Peavey	3	5	B	
Pick	5	3	B	
Pliers - 9"	15	1	B	
Plumb bob	5	3	B	

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Saw - buck	3	5	B	
Saw - hack	5	3	B	
Screwdriver – 12” flat	15	1	B	
Shovel	5	3	B	
Utility knife	15	1	B	
Wire cutters	5	3	B	
Wrench - spud	5	3	B	
Wrench - torque	5	3	B	
<b>Personal Protective Equipment</b>				
Conductive clothing	1	15	A	
Face shield	3	5	B	CSA approved
Fall restraint device	15	1	B	
Flame Resistant clothing	5	3	B	
Goggles	15	1	B	CSA approved
Hard hat - with Face Shield	3	5	B	CSA type 2, Class E
Harness – for fall arrest	15	1	B	
Hearing protection – ear plugs	15x	1	B	Replenished as Required (disposable)
Leather gloves (summer) with a 6” gauntlet	3	5	B	
Leather gloves (winter) with a 6” gauntlet	3	5	B	
Rubber gloves/sleeves	5	3	B	Rated
Safety glasses	3	5	B	CSA approved
Safety vest	5	3	B	
Worker positioning system (body belt and pole strap)	15	1	B	

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<b>Safety Equipment</b>				
Barricade	1	15	B	
Breathing protection (paper type masks)	15x	1	B	Replenished as Required (disposable)
Bucket evacuation kit	1	15	B	
Bucket rescue kit	1	15	B	
Caution tape	1	15	B	
Cones	5	3	B	
Confined space retrieval equipment	1	15	B	
Detector (for explosive gas, toxic gas and oxygen all in one)	1	15	B	
Fire blanket	5x	3	B	As required by OHS regulations
Fire extinguisher	1x	15	B	As required by OHS regulations
First aid kit	1x	15	B	As required by OHS regulations
Flare	1	15	B	
Grounding device	5	3	B	
Pole and tower rescue and descent equipment	1	15	B	
Rescue equipment	1	15	B	
Traffic caution sign	2	8	B	
Wheel chocks set	1	15	B	1 set per vehicle

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<b>Live-Line Tools</b>				
Auxiliary arm and isolators	1	15	A	
Bypass jumper	1	15	A	
Cut out covers	1	15	A	
Elbow puller	1	15	A	
Fiberglass reinforced plastic (FRP) tools - sticks	1	15	A	
Insulator support	5	3	A	
Insulated web hoist	5	3	A	
Load break tool	1	15	B	
Load pick-up tool	1	15	B	
Plastic line guards	10	2	B	
Plastic pole guards	5	3	B	
Rubber protective cover-up equipment (rubber hoses, hoods, blankets, clamp pins/clothespins)	5	3	B	
<b>Electrical Measuring Equipment</b>				
Continuity tester	1	15	B	
Current leakage meter	1	15	B	
Digital recording amp meter (high voltage)	1	15	B	
Digital recording volt meter (high voltage)	1	15	B	
Energized insulator tester	1	15	B	
Fault indicators	1	15	A	
Hi-Pot tester	1	15	A	

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Megger	1	15	B	
Ohm meter	1	15	B	
Phasing stick (Set)	1	15	A	
Potential indicator	1	15	B	
Rotation meter	1	15	A	
Voltage/amp meter	1	15	B	
<b>Power Tools</b>				
Chain saw	1	15	B	
Cutters	1	15	B	
Hand Drill - ½"	5	3	B	
Portable generator	1	15	B	
Press (Y-35)	5	3	B	
Press (Y-45)	5	3	B	
Reciprocating Saw	3	5	B	
Tamper	5	3	B	
<b>Specialty Tools and Equipment</b>				
Cable locator / underground fault locator	1	15	A	
Cable stripper	5	3	A	
Collapsible reel	1	15	B	
Core sampling tool	1	15	B	
Dynamometer	1	15	E	
Feed-through device (fish tape)	2	8	A	
Gaff gauge	5	3	B	



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Ground rod driver	2	8	B	
Oil sample test kit	1	15	E	
Propane torch kit	1	15	B	
Pulling equipment – powered reel or capstan hoist	1	15	B	
Reel jacks	2	8	E	
Running grounds	1	15	E	
Sag board	1	15	E	
Silicon wiping cloth	15	1	A	
Tool bucket/tool board	1	15	B	1 per vehicle
<b>Powder Actuated Tools</b>				
CAD welding tool	1	15	E	
Powder-actuated connection tool	1	15	B	
Powder-actuated spiking tool	1	15	A	
Powder-actuated splicing tool	1	15	A	
<b>Aerial Work Platforms</b>				
Fibreglass ladder	1	15	B	
Insulated pole platform (diving board)	3	5	B	
Material handling aerial device (MHAD)	1	15	B	
Radial boom derrick with bucket attachment	1	15	B	

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<b>Rigging, Hoisting and Lifting Equipment</b>				
Block and tackle	5	3	B	
Capstan hoist	1	15	B	
Hand line	5	3	B	
Hoist – Chain fall	5	3	B	
Hoist – Nylon line jack	5	3	B	
Hoist – Cable jack	5	3	B	
Pike pole	10	2	B	
Pole jack (puller)	1	15	B	
Shackles	15	1	B	
Sling/grips	15	1	B	
Wire mesh grip	5	3	B	
<b>Communications Equipment</b>				
Computer	1	15	B	
Telephone	1	15	B	
Two-way radio	1	15	B	

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