

OCCUPATIONAL TOOL AND EQUIPMENT LIST

POWERLINE TECHNICIAN



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

October 2014

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

The Department of Immigration, Skills and Labour and the Apprenticeship & Trades Certification Division wishes to acknowledge the contributions of the following industry and instructional representatives who participated in the development of this document.

Boyd Langdon
Darren Curtis
Sean Budgell

Todd Jones
Derrick Dymond
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Without their dedication to quality apprenticeship training, this document could not have been produced.

A sincere thank you is offered to everyone involved.

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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
Personal Protective Equipment			
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.

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Hand Tools				
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	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
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	
Personal Protective Equipment				
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	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Safety Equipment				
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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Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Live-Line Tools				
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	
Electrical Measuring Equipment				
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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Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
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	
Power Tools				
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	
Specialty Tools and Equipment				
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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Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
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
Powder Actuated Tools				
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	
Aerial Work Platforms				
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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Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Rigging, Hoisting and Lifting Equipment				
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	
Communications Equipment				
Computer	1	15	B	
Telephone	1	15	B	
Two-way radio	1	15	B	

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