

# OCCUPATIONAL TOOL AND EQUIPMENT LIST

## POWERLINE TECHNICIAN



Government of Newfoundland Labrador  
Department of Education and Early Childhood Development  
Apprenticeship & Trades Certification Division

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## **Preface**

This document is intended as a companion to the October 2022 Plan of Training for the **Powerline Technician** trade. It identifies the necessary tools and equipment required by apprentices and training institutions for the completion of apprenticeship.

## **Acknowledgements**

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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**

<b>SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT</b>			
<b>Item</b>	<b>Units for Individual Students</b>	<b>Required for Pre-Employment (PE) Advanced (A) Both (B)</b>	<b>Comments</b>
<b>Personal Protective Equipment</b>			
Hard hat - with chin strap	1	B	CSA Type 2, Class E
Hat liner	1	B	
Insulated workwear	1	B	
Leather gloves (summer) with a 6 in. gauntlet	1	B	
Leather gloves (winter) with a 6 in. gauntlet	1	B	
Rain wear	1	B	
Reflective coveralls or vest	1	B	CSA approved
Safety boots	1	B	CSA Grade 1 - electric shock resistant
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 Pre-Employment (PE) Advanced (A) Both (B)	Comments
<b>Hand Tools</b>				
Allen keys (Metric and Imperial)	1 set of each	15	B	
Bench vice	3	5	B	
Bolt cutters	3	5	B	
Bucksaw	2	8	B	
Cant hook (FRP)	1	15	B	
Channel locks	3	5	B	
Compression tools with dies: <ul style="list-style-type: none"> <li>• Y35</li> <li>• MD6</li> <li>• OH25</li> <li>• XPJ</li> </ul>	1 of each	15	B	
Crow bar	1	15	B	
Digging bar	1	15	B	
Fiberglass / Wood folding tape measure	15	1	B	
File <ul style="list-style-type: none"> <li>• Flat</li> <li>• Round</li> </ul>	3 of each	5	B	
Hacksaw	3	5	B	
Hammer – 32oz Ball Peen (with fiberglass handle)	15	1	B	
Lasher	1	15	PE	
Level	3	5	B	
Nut drivers (Imperial)	2 sets	8	B	
Nylon straps	3	5	B	
Peavey	2	8	B	
Pick	1	15	B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Pre-Employment (PE) Advanced (A) Both (B)	Comments
Pliers – 9 in.	15	1	B	
Plumb bob	2	8	B	
Screwdriver – 12 in. flat	15	1	B	
Shovel	3	5	B	
Sledgehammer	1	15	B	
Tamper	1	15	B	
Utility knife	15	1	B	
Wire cutters	3	5	B	
Wood Drill bits (Imperial)	3	5	B	
Wrench - adjustable	15	1	B	
Wrench - fargo	5	3	B	
Wrench - spud	1	15	B	
Wrench - torque	1	15	B	

**Personal Protective Equipment**

Clip-on Face Shield (for hard hat)	3	5	B	
Conductive clothing	1	15	A	
Face shield	3	5	B	CSA approved
Fall restraint device	15	1	B	CSA approved
Goggles	3	5	B	CSA approved
Hard hat	3	5	B	CSA Type 2, Class E
Harness – for fall arrest	15	1	B	
Hearing protection – ear plugs	15+	1+	B	Disposable – replenish as required
Leather gloves (summer) with a 6 in. gauntlet)	3	5	B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Pre-Employment (PE) Advanced (A) Both (B)	Comments
Leather gloves (winter) with a 6 in. gauntlet)	3	5	B	
Rubber gloves/sleeves	5	3	B	Rated
Safety glasses	3	5	B	CSA approved
Safety vest	5	3	B	CSA approved
Worker positioning system (body belt and pole strap)	15	1	B	
<b>Safety Equipment</b>				
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	A	
Detector (for explosive gas, toxic gas and oxygen all in one)	1	15	A	
Driven ground rod	1	15		
Dust mask	15+	1+	B	Disposable – replenish as required
Eye wash station	--	--	B	As required by OHS regulations
First Aid Station (including a First Aid Kit)	--	--	B	As required by OHS regulations
Fire blanket	--	--	B	As required by OHS regulations
Fire extinguisher	--	--	B	As required by OHS regulations
Flare kit	1	15	B	
Grounding bar	2	8	B	
Pole top rescue kit	1	15	B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Pre-Employment (PE) Advanced (A) Both (B)	Comments
Screw rod	1	15	B	
Snow fence	1	15	B	
Temporary protective grounds	2 x (set of 4)	8	B	
Tower rescue and descent equipment	1	15	B	
Traffic caution sign	2	8	B	
Wheel chocks set	1 set	15	B	1 set per vehicle

**Live-Line Tools**

Auxiliary arm with insulators	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	B	
Insulated conductor support	1	15	A	
Insulated web hoist	3	5	A	
Load break tool	1	15	B	
Load pick-up tool	1	15	A	
Pole guards	1	15	B	
Rigid line cover-up	2	8	B	
Rubber protective cover-up equipment (ie: rubber hoses, hoods, blankets, clamp pins/clothespins)	1 --- 5	15 --- 3	PE --- A	

**Electrical Measuring Equipment**

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Pre-Employment (PE) Advanced (A) Both (B)	Comments
Current leakage meter	1	15	B	
Digital recording amp meter (high voltage)	1	15	A	
Digital recording voltmeter (high voltage)	1	15	A	
Energized insulator tester	1	15	A	
Fault indicators	1	15	A	
Hi-Pot tester	1	15	A	
Megger	1	15	B	
Multi-meter	2	8	B	
Phasing stick (set)	1	15	A	
Potential indicator	1	15	B	
Rotation meter	1	15	A	
<b>Power Tools</b>				
Chain saw	1	15	B	
Hand Drill - $\frac{1}{2}$ in.	5	3	B	
Portable generator	1	15	B	
Reciprocating Saw	1	15	B	
<b>Specialty Tools and Equipment</b>				
Cable locator / underground fault locator	1	15	A	
Cable stripper	3	5	A	
Collapsible reel	1	15	B	
Core sampling tool	1	15	B	
Dynamometer	1	15	B	
Feed-through device	2	8	A	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Pre-Employment (PE) Advanced (A) Both (B)	Comments
Gaff gauge kit	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)	2	8	B	
Material Handling Aerial Device (MHAD)	1	15	B	
Radial boom derrick with bucket attachment	1	15	B	
<b>Rigging, Hoisting and Lifting Equipment</b>				

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Pre-Employment (PE) Advanced (A) Both (B)	Comments
Block and tackle	1	15	B	
Cable jack	5	3	B	
Chain hoist	1	15	B	
Grips	15	1	B	
Hand line	5	3	B	
Kellem grip	3	5	B	
Pole puller	1	15	B	
Shackles	3	5	B	
<b>Communications Equipment</b>				
Computer	1	15	B	
Telephone	1	15	B	
Two-way radio	1	15	B	

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