

APPENDIX C

Equipment List

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Project	Equipment
<i>Overhead Transmission Lines</i>	
General	<ul style="list-style-type: none"> • The type of vehicles used to access sites is dependant on the sensitivity of terrain. • ATV's are typically used during ground patrols on the ROWs to carry the small tools and equipment involved in minor repairs (lines and poles). • For sites accessible by road, a typical ½ or ¾ ton service truck, or a tandem digger (Telec) is used. • In the sensitive areas identified on the maps, wide tracked or soft tired equipment (i.e. Foremost or tracked digger, argo, quad,) is used. • Where either marshlands or excessively steep terrain prohibit access, a helicopter is used to transport tools, equipment, men, and the poles to the site. • Limitations for safety, weight capacity, wind, and cost must be considered in all cases.
Detailed, Annual and Emergency Aerial Patrols <i>*Helicopter Permit required</i>	<ul style="list-style-type: none"> • Staging areas are required; the helicopter re-fuels once every hour (approximately).
Ground Patrols	<ul style="list-style-type: none"> • ATV's are utilized for access to allow the equipment required to effect minor repairs to lines and poles.
Pole Test and Re-Treatment	<ul style="list-style-type: none"> • ATV's are used to carry men and equipment.
Pole Replacement	<ul style="list-style-type: none"> • The equipment used for pole replacements typically includes a tandem truck equipped with a hydraulic boom. • In the sensitive areas identified on the constraint mapping, wide tracked or soft tired equipment (i.e. Foremost) can be used to change poles however, there are limitations where either marsh lands or excessively steep terrain prohibit access. In these extreme cases, a helicopter is used to transport tools, equipment, men, and the poles to the site. Limitations for safety, weight capacity, wind, and cost must be considered in all cases
Pole Anchor Installation	<ul style="list-style-type: none"> • Telec trucks are used for this work.
Crossarm Replacement	<ul style="list-style-type: none"> • Limitations for safety weight capacity, wind, and cost must be considered when determining the mode of transportation for access on the ROW. • Low impact all-terrain vehicles are used in sensitive sites. In extreme cases, a helicopter can be used to transport tools and equipment. Men may also access the sites by foot. • Access permitting, a Telec or service truck is used for this work.

Project	Equipment
<i>Transmission Lines – Continued</i>	
Conductor Repair, Replacement and Salvage	<ul style="list-style-type: none"> • Telecs or Foremosts with insulated and rated boom and buckets.
Pole Top Equipment Installation, Repair or Replacement or Salvage (Transformer, OCR, Insulator)	<ul style="list-style-type: none"> • The Telec or Foremost is used to carry out the work.
Insulator Washing	<ul style="list-style-type: none"> • This is done from a bucket truck, or from a helicopter, depending on terrain.
<i>Vegetation Management on the RoW</i>	
Manual Brushing (Slashing)	<ul style="list-style-type: none"> • A three ton closed box truck and chipper is used.
Trimming	<ul style="list-style-type: none"> • Tree trimmers for utility work are specialized with trim lifts that are specially equipped to work within close proximity to energized lines. As the trucks are large and heavy, they are used only along roads or trails in good condition. In sensitive areas trees are climbed and hand trimmed. • Brush chippers are pulled by the lifts. Debris is blown into the back of the lift box.
Brush Mowers	<ul style="list-style-type: none"> • A brush mower head (similar to a large heavy duty lawnmower) can be mounted on soft tracked or rubber tire tractors and can remove trees up to 15cm diameter. Debris is mulched and scattered behind the mower.
Herbicide Brush Control	<ul style="list-style-type: none"> • One-ton trucks equipped with hand sprayers or backpack sprayers.