

## 18.0 SOLID WASTE

### 18.1 Introduction

CMP anticipates that solid waste generated from construction and demolition activities associated with the NECEC Project will be limited to minimal land clearing and construction debris. This debris is inert, non-hazardous material that will be handled in accordance with the Maine State Solid Waste Management and Recycling Law (38 M.R. §§ 2101 et seq.). It is CMP's priority to minimize solid waste generation by implementing and utilizing environmentally responsible construction management practices. All personnel and affiliates contracted for work as part of the NECEC Project will utilize BMPs and CMP protocol. CMP will monitor the disposal of all solid waste material including documentation of waste streams. CMP will contract with a licensed waste hauler and solid waste will be managed at an appropriate and licensed facility. **Tables 18-1** and **18-2** describe the various types and the disposition of solid waste generated by the Project. As noted in each table, CMP encourages recycling and reuse of materials generated as waste product. Due to the nature of the NECEC Project, it is impracticable to accurately estimate volumes of various waste types to be generated.

### 18.2 Transmission Line Construction

Existing structures will be removed as a result of the Project. Removed structures will be donated to private entities for reuse or shipped to an approved special waste landfill for disposal. If surplus treated wood is to be donated, CMP requires a Pole Transfer Agreement be signed (**Exhibit 18-1**), in which the transferee agrees to utilize the treated wood as a utility pole or beneficially in accordance with Maine DEP Regulations Chapter 418 (Beneficial Reuse), as well as any other applicable federal, state, and local laws. A Safety Data Sheet is provided to pole recipients, and a Consumer Information Sheet is also provided to recipients that describes proper handling procedures for treated wood. The Pole Transfer Agreement also obliges recipients to accept full responsibility for the use and proper disposal of these treated wood items. In this way, CMP alerts treated wood recipients of management requirements so that this material is utilized in a way that does not adversely affect any natural resources.

Land clearing will occur as a result of the proposed Project and vegetation cut and cleared from the NECEC Project corridors will be limited to capable species (i.e., tree species that are capable of growing into the safety zone beneath conductors [wires]). All merchantable wood will be removed from the transmission line corridor and sold for lumber or firewood by the clearing contractor. All other woody material will be managed in compliance with the Maine Slash Law (12 M.R.S. § 9331-9338).

Specifically, slash will be burned, chipped, or removed from the area within 50 feet of the nearer side of

any public highway right-of-way, and will be removed from the area within 25 feet of any adjoining property boundary. Slash will be removed from within the transmission line corridor, and from areas within 25 feet of the nearer side of the corridor. In addition, slash will not be left in any wetlands, or streams, within 25 feet of streams, within 50 feet of any significant vernal pool depression, or within 250 feet of the edge of any inland waterfowl and wading bird habitat. CMP will comply with Section 9333 of the Maine Slash Law as it applies to disposal along railroad and utility lines. All other wood waste generated in the process of vegetation clearing, if not sold for lumber or firewood, will be shipped off-site to be used as fuel at an appropriate licensed boiler, provided to a licensed chip processing plant, or donated to a facility to be utilized in the production of erosion control mulch.

Wood chips left on-site may be used as erosion protection or spread within the upland portions of the corridor. At no time will wood chips be spread so thickly as to prevent revegetation. Appropriate measures to mitigate this potential include: 1) maintaining an average wood chip depth of 3 inches, and not exceeding a depth of 6 inches in any one location, 2) using low impact equipment to redistribute chips over undisturbed areas, and 3) removing wood chips from small areas within a chipped location and reseeded with fertilizer to promote vegetative growth.

As described in **Table 18-1**, construction operations will also result in various types of construction debris including waste such as scraps of cable, wooden cable spools, and wooden insulator crates. Maintenance of construction equipment will produce small amounts of waste plastic containers for oils and lubricants, broken filters and belts, and damaged tires. Construction and managerial staff will generate some waste such as paper, bottles, cans, plastics, and food scraps.

Clearing operations and transmission line construction may occasionally encounter waste materials previously dumped by others on properties acquired as part of the NECEC Project. These materials will be collected and disposed of according to applicable state and local laws.

Should it be necessary to raze any structures to facilitate the construction of NECEC Project, each structure will be individually evaluated for the presence of any materials requiring special handling and disposal. All materials will be handled and disposed by qualified personnel at the nearest licensed facility.

**Table 18-1: Material Generated during NECEC Construction and Proposed Management Method**

<b>MATERIAL</b>	<b>MANAGEMENT METHOD</b>
Batteries- Lithium, Lithium Ion, NICAD, NiMH, Small Sealed Lead-Acid, and other rechargeable batteries	Coordinate with CMP Environmental Department, manage in accordance with Maine Universal Waste Rules
Wood (timber, slash, stumps, etc.) *	Chip on-site or haul off-site to a Licensed Processing Facility (boiler, chip plant, private entity, mulch production facility) in accordance with Maine Solid Waste Laws and Management Rules.
Treated wood (poles, cross arms) *	Donate (in accordance with CMP Treated Wood Policy); landfill in licensed special waste landfill, or reuse by CMP
Metals (Ferrous and Non-Ferrous) including junk/abandoned automobiles*, but not including drained electrical equipment (transformers, etc.) *	Recycle by Schnitzer (Auburn) or a similar metal recycling company
Oil-filled electrical equipment (full and drained)	Coordinate with CMP Environmental Department on proper recycling/disposal facility
Porcelain Insulators*	Crush for use as road sub-base material by Commercial Paving & Recycling Corporation (“CPRC”) (Scarborough) or a similar licensed Processing Facility; or ship to a licensed Solid Waste Disposal Facility or a similar company
Food waste, plastics*, common trash	Ship to licensed Municipal Solid Waste (“MSW”) landfill, transfer station, or incinerator
Redeemable drink containers*	Redeem for recycling
Wooden Cable Spools & Pallets*	Manage for reuse by CMP or other similar company (various locations)
Wooden Insulator Crates	Recycle or ship to licensed MSW landfill, transfer station, or incinerator
Paper and Cardboard*	Send to Recycling Facility like Eco-Maine or similar company (various

<b>MATERIAL</b>	<b>MANAGEMENT METHOD</b>
Concrete Debris*	Use as road sub-base by CPRC or a similar Processing facility; Existing concrete pads and foundations will be managed on a case specific basis depending on the type of waste and the location of the waste within the state
Housing Demolition Debris (asphalt roofing, painted wood and plywood, special or hazardous waste)	Waste will be managed on a case specific basis depending on the type of waste and the location of the waste within the state.
Spoils	Waste will be managed on a case specific basis depending on the type of waste and the location of the waste within the state; manage in accordance with CMP and Vangid Environmental Policies and Procedures

*\*Waste material to be processed at a recycling facility and converted into usable product.*

### 18.3 Substation Construction

Solid waste generated from the construction of the new substation and converter substation will be handled as described in Section 18.1. It is estimated that several acres of clearing will occur as the result of the new converter substation construction. The types of construction waste generated and their intended disposal methods are described in **Table 18-2**. CMP's solid waste generation and disposal policy will be supported by all personnel associated with the NECEC Project.

**Table 18-2: Material Generated during NECEC Substation Construction and Proposed Management Methods**

<b>MATERIAL</b>	<b>MANAGEMENT METHOD</b>
Batteries - Alkaline	Recycle or ship to licensed Solid Waste Disposal Facility
Batteries – Lithium, Lithium Ion, NICAD, NiMH, Small Sealed Lead-Acid, and other rechargeable batteries	Coordinate with CMP Environmental Department; manage in accordance with Maine Universal Waste Rules
Oil-filled electrical equipment (full and drained)	Coordinate with CMP Environmental Department on proper recycling/disposal facility
Wood (timber, slash, stumps, etc.) *	Chip on-site or haul off-site to a Licensed Processing Facility (boiler, chip plant, private entity, mulch production facility) in accordance with Maine Solid Waste Laws and Management Rules
Metals (Ferrous and Non-Ferrous) including junk/abandoned automobiles, but not including drained electrical equipment (transformers, etc.) *	Recycle Schnitzer (Auburn) or a similar metal recycling company
Food waste, plastics*, common trash	Ship to licensed MSW landfill, transfer station, or incinerator, recycle plastics as available
Redeemable drink containers*	Redeem for recycling
Wooden Cable Spools & Pallets*	Manage for reuse by CMP or other company; or ship to a licensed Solid Waste Disposal Facility
Wooden Insulator Crates	Recycle or ship to licensed MSW landfill, transfer station, or incinerator
Paper and Cardboard*	Send to Recycling Facility like Eco-Maine or similar company (various locations)
Scrap Cable*	Recycle Schnitzer (Auburn) or a similar metal recycling company
Aluminum*	Recycle Schnitzer (Auburn) or a similar metal recycling company
Concrete Debris*	New concrete debris, use as road sub-base by CPRC or a similar Processing facility; Existing concrete pads & foundations will be managed on a case specific basis depending on the type of waste and the location of the waste within the state

MATERIAL	MANAGEMENT METHOD
Waste Aerosol Cans	Coordinate with CMP Environmental Department on proper disposal
Paint Waste	Coordinate with CMP Environmental Department on recycling and disposal options
Spoils	Waste will be managed on a case specific basis depending on the type of waste and the location of the waste within the state; manage in accordance with CMP and AVANGRID Environmental Policies and Procedures
Housing Demolition Debris (asphalt roofing, painted wood and plywood, junk / abandoned cars, special or hazardous waste)	Waste will be treated on a case specific basis depending on the type of waste and the location of the waste within the state.

*\*Waste material to be processed at a recycling facility and converted into usable product.*

## **Exhibit 18-1: Pole Transfer Agreement**



# Pole Transfer Agreement

Central Maine Power Company (hereinafter "CMP") has agreed to transfer \_\_\_\_\_ out of  
(number)  
service utility poles, \_\_\_\_\_ crossarms, or \_\_\_\_\_ other treated wood items  
(number) (number)  
( \_\_\_\_\_ ) to \_\_\_\_\_ (hereinafter "Transferee").  
(describe)

Transferee has requested that CMP transfer the treated wood items, and by signing this document accepts full transfer of title and ownership, and agrees to each of the following conditions to the transfer:

1. Transferee is not accepting the treated wood items as a waste product and understands that it must use the treated wood items beneficially as utility or lighting poles in accordance with Maine Solid Waste Management Rules, Chapter 418, Beneficial Use of Solid Wastes, and any other applicable State, Federal, or local rules. Transferee acknowledges that they are responsible to apply for use permits required by Chapter 418 if the poles are to be used other than as utility or lighting poles, such as for landscaping. Transferee also acknowledges that storage of treated wood items for more than 45 days prior to reuse requires a permit from the Maine Department of Environmental Protection (Solid Waste Management Rules, Chapter 402, Transfer Stations and Storage Sites for Solid Waste).
2. Transferee hereby acknowledges that any transferred treated wood items may have been chemically treated with one or more wood preservatives during manufacture, installation, and service in the ground (i.e., on-line treatment) by CMP, other utility companies, and/or their contractors. The preservatives used may include pentachlorophenol, creosote and chromated copper arsenate. Stamped lettering at the base end of the pole may or may not accurately indicate which preservative(s) has been applied to that pole. Complete information regarding the composition of these three preservatives can be found in the attached representative Material Safety Data Sheets, which also serve as the preservatives' warning labels. Transferee hereby acknowledges receipt of the attached Material Safety Data Sheets and Consumer Information Sheet.
3. Transferee accepts full responsibility for the use and proper disposal of any treated wood items transferred to them by CMP. Transferee accepts the items knowing that CMP makes no representation regarding, and has not inspected the items for structural integrity. Transferee accepts any and all risks inherent with any breakage or splintering of the items, and any exposure to wood preservatives contained in the items.

The Transferee hereby accepts any treated wood items "AS IS" and at its own risk. Transferee agrees to release and to indemnify and hold CMP and its affiliate and subsidiary companies harmless from any and all liability in connection with the transfer and all subsequent use of any treated wood items, including but not limited to claims arising out of the use or disposal of the items. **CMP DISCLAIMS ALL WARRANTIES FOR THE TREATED WOOD ITEMS WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES THAT THE TREATED WOOD ITEMS ARE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE.**

I have reviewed this agreement in full and certify that I am authorized to sign it and bind Transferee to the terms of the agreement. I hereby agree to all terms on behalf of Transferee.

Transferred to:

\_\_\_\_\_  
(Signature of Transferee or Agent)

\_\_\_\_\_  
(Printed Name and Title)

\_\_\_\_\_  
(Date of Signature)

\_\_\_\_\_  
(Transferee's Address - Street/City)

Transferred by:

\_\_\_\_\_  
(CMP or Agent)

\_\_\_\_\_  
(CMP Location/Contractor Name)



Attachments: Material Safety Data Sheets  
Consumer Information Sheet

Original to: Transferee  
Copies to: Environmental Services  
Transferor