

## FOLIAR HERBICIDE PLAN FOR CENTRAL MAINE POWER TRANSMISSION LINE RIGHTS-OF-WAY

During the 2019 calendar year, Central Maine Power Company (CMP) will be treating approximately 10,300 acres as part of our regular vegetation management program. Some of this acreage is comprised of agricultural and industrial uses, and only needs to be patrolled. Integrated vegetation management techniques are employed on the remaining acreage to minimize the use of herbicides.

The first phase of the program requires that a contract crew patrol each right-of-way cutting all hardwood species over 8 feet tall and most of the softwood species. The stumps of trees capable of re-sprouting are treated with a herbicide. This reduces the amount of foliage that must be treated each cycle. Areas not suitable for foliar herbicide application during the summer are to be entirely cut at this time, and stump treatment to be used where appropriate.

The second phase of this year's program requires that the contract crew patrol each transmission line a second time, treating all remaining tree species capable of growing into the conductors or that block access to the right-of-way. The herbicides are applied with a backpack, hand pressurized spray tank. The tank pressure is low, so the potential for off target movement of the mix is minimized. A contract crew composed of 5 to 8 people will selectively treat the capable species.

A no spray zone is maintained around wells, municipal water supplies or any open water. The buffer zone will vary depending on the topography, a minimum of 25 feet is maintained on all water and a minimum 100-foot buffer is maintained on drinking water supplies. These buffers provide an additional margin of safety.

A low-pressure foliar application technique will be used on the majority of right-of-way scheduled this year. The herbicides and adjuvants, including a drift control agent, are mixed in water at rates of 1/8% - 5%. A hand-pressurized backpack sprayer is used to selectively apply the mix directly to the leaves of the undesirable species. The large droplet size, low tank pressure, and drift control agents, combined with the selective application technique, reduces the potential for drift to a very minimal level. The following is a list of herbicides CMP may use depending on species composition, density and environmental factors:

- Garlon 4 Ultra EPA Reg. No. 62719-527
- Arsenal Powerline EPA Reg. No. 241-431
- Milestone EPA Reg. No. 62719-519
- Rodeo EPA Reg. No. 62719-324
- Stalker EPA Reg. No. 241-398
- Aquifact (adjuvant)
- HY-Grade I (carrier)
- Bark Oil (carrier)
- Liberate (adjuvant)
- Penetron (adjuvant)

Propylene Glycol (carrier) - used in winter cst mix

Before a treatment technique or herbicide is selected, a review of the right-of-way is conducted including a list of landowner maintenance agreements, known municipal water supplies, and brush densities. This information helps CMP personnel select the herbicides and determine the mix rates.

An electronic form is given to each crew foreman before the job starts listing all special arrangements, herbicides, and mix rates. All the work is performed by licensed contract crews. The contract crews will post a sign on the first structure on each side of all public roads stating the date and herbicide used. If herbicides are not applied near the road crossing structure, the first structure where herbicides are used will be posted.

Each town that has a transmission right-of-way scheduled for herbicide work in 2019 will be notified in advance. A landowner maintenance agreement is available to any landowner or municipality objecting to the use of herbicides. The landowner agrees to keep brush to a height less than 10 feet and a CMP inspector looks over each area annually. CMP personnel will notify the staff of the Board of Pesticide Control at the start of the season of general work locations. Daily locations are available at CMP's General Office.

The following list identifies the CMP transmission section numbers and general locations for 2019 scheduled work. Plan and profile maps for each right-of-way are on file at the General Office in Augusta.

#### 2019 CMP TRANSMISSION VEGETATION MANAGEMENT SCHEDULE

Line	Line Name
7	Jct. L. 41A to Richmond
8	Benton Switch to Shawmut 34KV
10	Shawmut 34KV to Winslow 34KV
14	Bowman St to Puddledock Rd
14A	Jct. L. 14 to Winthrop
16	Edgecomb to Newcastle
18	Newcastle to Damariscotta Mills
37	Jct. L. 77 to Woolwich
44	Lakewood to North Anson
44A	Jct. L 44 to Carrabassett
47	Winslow to Keyes Fiber
50	Gulf Island to Turner Tap

52	Frye to Andover
68	Maxcy to Mason Station
74	Norway to Woodstock
74A	Jct. L. 74 to Mead Wood Chip
78	Kimball Road to Papoose Pond
86	Bucksport to Belfast 115KV
266	Belfast 115KV to Highland
266A	Jct. L. 266 to Meadow Road
88	Maxcy's 115KV to Augusta E. Side
90	Woodstock to Bethel
90A	Jct. L 90 to Bryant Pond
90B	Jct. L 90 to Locke Mills
90C	Jct. L 90 to Chadbourne Mills
93	Belfast 115KV to Belfast W. Side
96	Woodstock to Newry
102	Elm Street to Gray
103	North Gorham to Prides Corner
111	Quaker Hill to Sanford 115KV
113	Sanford 115KV to Branch Brook
113A	Jct. L. 113 to Sanford I.P.
119	Quaker Hill to Ogunquit
140	Maguire Road to Quaker Hill
140A	Jct. L. 140 to Pratt & Whitney
150	Pleasant Hill to Cape Elizabeth
152	Pleasant Hill to Rigby
157	West Buxton Hydro to West Buxton 115KV
162	Moshers 115KV to So. Groham
163	Louden 115KV to Maguire Road
163A	Jct L 163 to West Kennebunk
164	W.F. Wyman to Spring Street 115KV
165	W.F. Wyman to Moshers 115KV
166	Surowiec 115KV to Spring Street 115KV
167	Surowiec 115KV to Moshers 115KV
167A	Jct. L. 167 to Prides Corner
168	Bonny Eagle to West Buxton 115KV
169	South Gorham to Westbrook 115
172	West Buxton 115KV to Loudon 34KV
180	Prides Corner to Elm Street
180A	Jct. L. 180 to East Deering

182	W Buxton 115KV to Spring Street 34KV
185A mid	Butlers Corner to Lebanon p 62 - 179 cut only
187	Bonny Eagle to North Gorham
187A	Jct. L. 187 to Fort Hill
187B	Jct. L. 187 to Shaw Mills Road
189	North Gorham to Raymond 115KV
189A	Jct. L. 189 to Portland Pipe Line
193	Spring Street to Vallee Lane
193A	Jct 193 to Dunstan
197	Quaker Hill to Three Rivers
198	W.F. Wyman to Elm Street
213	Bowman Street to North Augusta
219	South Gorham to Louden 115KV
220	South Gorham to Louden 115KV
223	South Gorham to W. Buxton 115KV
224	W. Buxton 115KV to Waterboro
225	Waterboro to Sanford 115KV
231	South Gorham to Westbrook 115
233	Westbrook 115 to Spring Street
234	Westbrook 115 to Spring Street
236	Maguire Road to Branch Brook
237	Maguire Road to Sanford 115KV
238	Louden 115KV to Maguire Road
238A	L. 238 to Biddeford I.P.
239	Louden to Vallee Lane
243	Rumford IP to Rumford 115 KV
243A	Livermore Falls to Rumford IP
250	Maguire Road to Three Rivers
254	Coopers Mills to Orrington Town Line
270	Rumford 115 KV to Roxbury S/S
272	North Augusta to Augusta East Side
386	South Gorham to Buxton 345
3020	Surowiec to Raven Farm
3021	South Gorham to Maguire Rd.
3022	Maguire Rd. to Three Rivers
3039	WF Wyman Station to Raven Farm
3040	Raven Farm to South Gorham
396BHE	Orrington to Keene Rd
3001BHE	Penobscot River to Chester

