



MEMORANDUM

Date: May 9, 2019

To: Board of Public Works
From: Raymond A Rogozinski, P.E.
Director of Public Works

Re: Brush/Leaves/Yard Waste – Waste Management

The Department of Public Works receives brush & leaves from residents, along with yard waste and leaves collected by the Department. Approximately 1,000 cubic yards of brush is currently stockpiled at the transfer station and approximately 6,000 cubic yards of leaves/yard waste are stockpiled in the area of the closed landfill.

The City currently has a contract in place with Harvest New England to process the materials, which consist of grinding brush, disposing of ground wood chips, grinding leaves in preparation of composting and turning leaves stockpiled in windrows to accelerate composting.

It is critical that the department process the currently stored materials and implement measures to process leaves/yard waste on an annual basis. Therefore, the Department is implementing the following measures:

1. Chip existing brush/woody debris pile (1,000 CY) - Harvest New England. Approximate cost \$10,940.
2. Dispose of chipped woody material (800 CY) - DPW will retain approx. 200 CY for department use. Disposal cost of \$3,000.
3. Grind leave and yard waste (5,000 CY) – Harvest New England. Approximate cost \$10,350. Ground leaves will be windrowed and turned by DPW transfer station personnel to produce compost. The intent is to convert ground leaves to compost that will sold in the spring of 2020 (estimate sale value \$12,000). Compost material is also made available to the general public at the area adjacent to the City's dog pound.

City of Bristol Public Works
Email: www.bristolct.gov/publicworks
860-584-6125 or 860-584-7791

4. Windrow existing un-ground leaves (1,000 CY) as a pilot program. The initial turning will be performed by Harvest New England to break up leave bags (approximate cost \$3,000). After the initial turning by Harvest New England, subsequent turning will be performed by DPW transfer station personnel.
5. Sell approximately 700 CY of existing compost currently stored in landfill area— approximate value \$3,000. DPW to retain 300 CY for department use.

The estimated cost to chip brush/woody debris, dispose of chipped material, grind leave/ yard waste and windrow is \$27,290. Funding is available with account transfers within transfer station budget.

The chipping and grinding of material is scheduled to start the beginning of June and is estimated to take seven working days to complete. Once leaf grinding is complete, DPW staff will windrow material (8 ft. high x 12 ft. wide). Material will be turned on a monthly basis to create compost. Prior to the winter, windrow material will be stockpiled in larger piles to maintain temperature through winter. Stockpiled material will be re-windrowed in the spring to accelerate composting. The windrow size of 8 ft. x 12 ft. will be maintained to allow for the potential of utilizing Harvest New England automated windrow machine.

Compost guidance documents also discusses the application of water as part of the compost operation, however based on DPW's past experience the addition of water is not required.

No Board of Public Works action is required at this time, this item is provided for informational purposes only. The Board of Finance account transfer associated with this item is included as part DPW's monthly BOF account transfer request.

Please feel free to contact me with any questions or concerns at 860-584-6113.