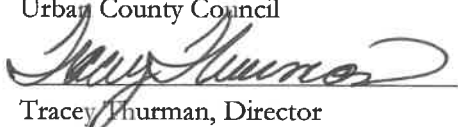




MEMORANDUM

TO: Mayor Linda Gorton  
Urban County Council

FROM:   
Tracey Thurman, Director  
Division of Waste Management

DATE: November 12, 2020

SUBJECT: Request Approval to enter into agreement between Lexington-Fayette Urban County Government and Machinex to complete capital project equipment upgrades at the Material Recovery Facility (LEX-MRF)

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**Request:** The purpose of this memorandum is to request approval to enter into an agreement with Machinex to complete capital project equipment upgrades at the Material Recovery Facility (LEX-MRF).

**Authorization to:** Approve to enter into an agreement with Machinex to complete capital project equipment upgrades. Machinex was the sole respondent to RFP #14-2020; their revised proposal has been accepted and includes the following:

- New 2 Ballastic Separators - replace existing disc screens. First ballastic separates large fiber from containers. Second ballastic (polishing/finishing) further separates into 3 fractions.
- Rebuilt OCC Screen - use shell/frame and adding new shafts, new disc spacing, new bearings, and new sprockets. This will reduce wrapping and help clean time and frequency. This also improves the recovery of smaller brown OCC that is prevalent in the stream.
- New Scalping Screen - existing scalping screen is small. A new scalping screen is larger and separates bottles and cans from most of the fiber. This addition reduces the load of the ballastic separator allowing it to be more effective and is why there are 2 ballastic separators instead of 3.
- New Fine Screen - The addition of a new fine screen under the scalping screen will remove glass from the system earlier in the process, thus reducing wear and tear on the machinery.
- 2 Optical Sorters. One optical sorter cleans up the fiber, the second optical sorter (container line) sorts PET from fiber.
- Reworking Platform - this provides walk across access to the new container line optical sorter plus better access to the fiber sort. Better access for maintenance.

**Why are you requesting?** The improvements are required to produce a better quality paper and higher recyclables prepared for the end market. This will replace worn out equipment and reduce maintenance.

**The cost for this FY is:** \$4,200,000

**The cost for future FY is:** None



MAYOR LINDA GORTON



**LEXINGTON**

TRACEY THURMAN  
DIRECTOR  
WASTE MANAGEMENT

**Are the funds budgeted?** Yes \$3,415,285 is included in current FY budget

**The funds are budgeted or a budget amendment is in process:** Yes – Budget Amend. #10841, \$785,000

**Account number(s):** 1115 303505 3571 96458

Cc: Nancy Albright, Commissioner

