

HIGH POINT MATERIAL RECOVERY FACILITY

POSITIVE UPGRADE EXPERIENCE WITH MACHINEX

- 20,000 TONS PER YEAR
- EFFICIENCY IMPROVED BY 20%
- INCLUDES A MACH BALLISTIC SEPARATOR THAT REDUCES MAINTENANCE

In January 2018, the City of High Point in North Carolina got an upgrade of their single-stream material recovery system to improve its recovery rates and face tonnage increase. The system sorts co-mingled recyclables coming from a portion of Guilford County and Jamestown. Let's see how this sorting center is performing three years after this modernization.



MACH OCC Screen

Owned and operated by the City of High Point, the residential single-stream system features the MACH Double-Deck OCC screen which reduces wrapping and improves cardboard recovery. A MACH Ballistic Separator was installed instead of a traditional disc screen to separate fibers from containers. This ballistic solution reduces maintenance in a significant way for the operator because it has no shafts for material to wrap around and there are no rubber discs to replace. A ferrous magnet and a Machinex Eddy Current Separator were installed at the end of the container line. New equipment afforded much faster

output from 10 tons per hour compared to the old system at 3 tons per hour and the overall recovery improved by 20%.

“Working with Machinex was the best part of our Upgrade experience. Their equipment has helped us to recover more and this has worked in our favour during this downturn in markets. Sales and technical staff have been responsive in answering questions about design, market and recycling equipment trends and issues.”

- Melanie Bruton,
High Point MRF Superintendent

The City of High Point needed a turn-key project to modernize and upgrade the outdated existing facility. According to Melanie Bruton, Machinex succeeded to improve recycling purity while having easy maintenance and well-trained staff.

“In addition to meeting the project requirements, we were impressed with Machinex’s complete solution approach in being able to design, manufacture, install and service the entire system. We are excited to notice such a great efficiency for processing and recovery.”

- Melanie Bruton

On the Machinex side, Rusty Angel, Eastern Region Sales Manager commented: *“Obviously, we are quite proud*

to have been involved in the winning bid for the High Point city MRF. After all, High Point is the location of Machinex’s U.S. Corporate Headquarters. A local building contractor submitted the successful bid and we supplied them the equipment. Our project management teams worked closely together to deliver a successful project for the City and optimize the performance of their system. This system not only meets High Point’s current processing requirements but provides plenty of room for additional tons they may bring into the facility in the coming years.”



MACH Eddy Current

Improving recovery rates, increasing purity levels and eliminating contaminants were important issues, and the upgrade of the single-stream system made it possible. Machinex managed the project to add further equipment, following the evolution of tonnage and purity-level requirements. Besides, Melanie Bruton considered adding a PET optical sorter to the system in a near future.