



CITY OF PHILADELPHIA Office of Clean & Green Initiatives, Sanitation Department, and Office of Sustainability

REQUEST FOR INFORMATION on SOLID WASTE MANAGEMENT CITY OF PHILADELPHIA

****RESPONSE****

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Turbo Haul, Inc. / Mattress Recycling
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TurboHaul, Inc. has been a leading commercial bulk trash removal, recycling, and disposal provider in the Mid-Atlantic region for 30 years. **We own and operate the largest mattress recycling facility in Maryland.** We regularly service over 1,000 multi-family and commercial properties, companies, institutions, counties, and cities. We are a nationally approved vendor for Waste Management, Inc. (WMI) and work closely with the world's largest waste services provider to meet their customer's bulk trash removal and recycling requirements.

TurboHaul has offices in Baltimore, MD, Richmond, Virginia, and Raleigh, North Carolina and currently employs just under 50 full-time team members systemwide. TurboHaul provides 100% in-house, turn-key services for the collection, transport, processing, recycling, transfer, and reporting of bulk-item material including furniture, mattresses, household goods, pallets, appliances and other scrap metal, and scrap tires.

In 2024, TurboHaul recycled over 75,000 mattress and boxsprings(MBs). In 2025, we project recycling of over 90,000 MBs.

Currently, TurboHaul's MBR operations are housed in our corporate headquarters at 6201 Robinwood Rd, Baltimore, MD. Our recycling facility is sited on 4.78 acres with 18,000 sq. ft. of

warehouse space. As demand for mattress recycling continues to grow at an exponential rate, TurboHaul is currently seeking expansion to a 50-100k sq. ft. facility to scale-up production to over 100,000 MBs per year.

TurboHaul has the means and expertise to establish a mattress recycling facility in the City of Philadelphia, which could divert and recycle all units generated in the city, reduce emissions and other environmental impacts through a centrally located facility, and create well-paying jobs for city residents.

TurboHaul recycles MBs through a labor intensive and machine aided process. MBs are first sorted by condition and type. Units that have severe biohazard or vector contamination are shredded. Units that are acceptable for full recycling are moved into the queue for processing.

Units are processed for recycling by first cutting the fabric of the MB along the perimeter, utilizing special tools and rotating tables. Material layers are then pulled away from the MB spring, foam, and/or wood core.

Material are separated into its various classifications depending on current recycling markets. Classes could include foam, quilted ticking, shoddy, natural cotton, and coco fiber. Material is then baled or shredded, and shipped to partners for further processing and use in manufacturing.

Mattress springs are recycled as scrap. Metal is separated from boxspring, wood foundations using a special process, so the metal can be recycled as scrap. Resulting clean, wood waste is processed for biochar, mulch, or boiler fuel.

TurboHaul achieves a recycling rate of approximately 80% by weight for all mattresses and box springs.

Mattresses and boxsprings are an extremely problematic material to manage in the waste stream. They create significant challenges for collection, transport, landfilling, incinerating, and the environment.

The diversion of mattresses and boxsprings from the waste stream has significant, positive, environmental impacts. A recent study by the Mattress Recycling Council showed that the environmental footprint from collection to recycling for each mattress recycled saves 500 gallons of water, conserves enough energy to power a house for three days, and reduces greenhouse gas emissions equivalent to driving 60 fewer miles.

Mattress recycling is a proven and viable process. The diversion of mattresses will contribute greatly to fulfilling the goals detailed in the state-mandated Municipal Waste Management Plan. TurboHaul strongly recommends the City of Philadelphia develop an RFP or REOI for mattress recycling as they continue to align their solid waste management programs towards zero waste.