

## City of New Haven Visit to Willimantic Waste

The City of New Haven is implementing Single Stream Recycling for all curbside residential pickups. Recyclables such as paper, plastic, glass, and metal can be mixed in the recycling bin rather than separated by residents. The recyclables go to the recycling facility still mixed, where an advanced recyclables sorting machine separates the different materials. Single Stream Recycling encourages higher recycling rates by reducing the amount of effort needed to recycle. This will increase New Haven's recycling rate and thus save significant amounts of money.

Picture 1: Recyclables arrive at the facility by truck and are stacked for processing. Note the wide variety of materials in the pile.



Picture 2: Recyclables are loaded into the sorting apparatus by machine.



Picture 3: A series of three inclined screens separate materials by density. Different types of plastics are sorted out by optical scanners, and metals such as aluminum cans are sorted by eddy current sorters.



Picture 4: Side Conveyor Belts handle separated materials after the screens.



Picture 5: Some manual sorting increases the quality of the final products and removes items that may jam or break the machine.



Picture 6: Finally, the separated materials are baled for resale and reprocessing into new paper and manufactured goods.

