



"Fun Facts" Shoreway Environmental Center

Transfer Station

- Receives \approx 750 tons per day of trash = 1,500,000 lbs per day
= the weight of 465 4th grade classes (of 36 students each) per day
- Receives \approx 350 tons per day of green waste/organic waste = 700,000 lbs per day

Materials Recovery Facility (MRF)

- Receives 250 tons per day = 500,000 lbs per day = the weight of 50 elephants
- The amount of paper recycled here each day would fill 555 cable cars
- Compared to making (manufacturing new paper), the amount of paper recycled here each year saves:

817,700 trees. These trees absorb more than 20.4 million lbs of carbon dioxide per year, offsetting emissions from nearly 1,800 cars per year.

- Compared to manufacturing new glass bottles from sand, the amount of glass recycled here each year:

Can run **1,100** 100-watt bulbs or 5,500 compact florescent bulbs for a year.

- Compared to manufacturing new aluminum from bauxite, the amount of aluminum recycled here saves:

Enough energy to run 76,800 computers for 3 hours or power a home for more than a year.

MRF processing equipment

- MRF processing equipment cost = \$17,620,000 enough money to buy 4.7 million cups of yogurt at Tutti Frutti.

Conveyors & platforms

- Conveyors if laid end to end would stretch nearly a mile--longer than the middle span of the Golden Gate Bridge.

- Length of platform & walkways are equal to nearly a lap around a standard outdoor NCAA track.

Containers (Bottles and cans):

- Optical sorter reclaims 142 PET bottles per minute--enough for 2.5 water bottles per day per person in San Carlos.
- Optical sorter ejects 280 HDPE bottles per minute--about 5 gallons of milk per day per person in San Carlos.
- Aluminum recycled is the equivalent of 3 cans a day of soda for each person in San Carlos per day.
- Total containers recycled per day is about 3 drinks per day for every household served by SBWMA.
- The yearly energy saving from recycling plastics, instead of manufacturing, will equal about 17.5 million kW, enough to power 1,650 households for a year.

Controls

- Controls use the same technology used in the aerospace industry.

The whole system is controlled by 4 touch screens that are each slightly smaller than 2 iPads next to each other.

Motors

- Whole system is run by 187 motors with a total of 1700 HP, equal to 6 Honda Accords but without the corresponding 68,700 lbs of carbon dioxide emissions.

Total system stats (includes all equipment)

- Approximate total weight of system is 3 million lbs—equal to about four 747 jumbo jets.

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