

For a clean society, now and in the future



It probably isn't something you think about every day, but waste is of great value. Every day, 500 trucks carrying waste from home and abroad arrive at AEB. All in all, we process 1.4 million tons of waste per annum and turn it into raw materials and renewable energy. Raw materials that we can reuse. And energy that residents and businesses in Amsterdam use to light and heat their homes and premises. In short, AEB turns waste into valuable products.



AEB's numbers

The capacity of the Waste-to-Energy Plant (AEC) and High-Efficiency Plant (HRC) is 1,400,000 tons per annum.

1,400,000 tons

The net energy efficiency of the High-Efficiency Plant is more than 30%.

30%

We remove 30,000 tons of material per annum from waste for reuse, including plastics, paper and metals.

30,000 tons

1.500 terajoules of heat is produced per annum and used to provide 42,000 homes and businesses with district heating.

42,000 homes

Every year, we produce 900,000 MWh of electricity, enough for 365,000 households.

365,000 households



How is waste processed at AEB?

500 trucks carrying household waste and commercial residual waste from municipalities and businesses use the weighbridge every day. The trucks are weighed with their load first of all and – after the load has been emptied into the bunker – they are weighed empty.



Some of the waste is subsequently separated in our separation plant where various types of plastics, paper and metals are removed for recycling. What remains is deposited in the bunker to be incinerated and thus converted into energy.



This is the control room – the monitoring station – where the process is controlled, monitored and, if necessary, adjusted 24 hours a day.



When the waste has burned down, slag is left behind from which we recover 30 kilotons of metals per annum, both ferrous (magnetic metals) and non-ferrous (non-magnetic metals and stainless steel).

The rest is mainly used as raw material for projects in road construction, for example, or as substrate for solar parks.



Trucks deposit their load on the dumping floor. We carry out random load inspections to make sure that trucks are not carrying any materials that should not be in the waste. Most of the household residual waste is dumped in the waste bunker for the separation plant.



In the bunker, the waste is mixed and stored until it is fed into the boiler and incinerated. The stock is intended for nights and weekends so that we can keep the plants running 24 hours a day.



The heat released during incineration is used for district heating in Amsterdam-Noord and -Oost. There is also enough energy left over to supply 365,000 homes with electricity

Are you interested to learn what we
can do for you? Please contact us at
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