

# Climate protection

at MA 48



**Smart, green and climate-friendly waste management in Vienna saves 330,000 tonnes of CO<sub>2</sub> annually. We manage the waste from all Viennese households and contribute significantly to climate protection with separate collection, recycling, energy recovery from residual waste, and many other measures.**

## THE VIENNA MODEL OF CLIMATE-FRIENDLY WASTE MANAGEMENT

All residual waste in Vienna is taken to one of the city's four waste incineration plants for thermal treatment. This allows the energy stored in the waste to be used in the best way possible: to generate district heating, district cooling, and electricity. This replaces other energy sources, such as fossil fuels, which is an important contribution to climate protection.

The ash and slag that remain after incineration are processed and freed from metals and deposited at the Rautenweg landfill. They are inert, which means that they release no harmful substances into the ground water or the atmosphere.

Recyclables are collected separately and the materials are recycled. This saves primary resources and energy that would be used to produce new products. Recycling paper means that trees do not need to be cut down and can continue to bind CO<sub>2</sub>.

Organic waste is also collected separately

and used to make A+ grade compost at the Lobau composting plant. It replaces mineral fertiliser, so it contributes to climate protection twice over.

## WHAT ELSE DOES MA 48 DO FOR THE CLIMATE

In addition to generating energy from residual waste following the highest environmental standards, MA 48 also uses other sustainable energy sources: It has almost 10,000 m<sup>2</sup> of solar modules, generating approx. 920,000 kWh of energy a year. It also operates seven thermal solar power plants, which produce hot water for heating. There are also heat pumps at seven locations. All of these installations replace fossil fuels and contribute to climate protection.

Another core element of climate protection is waste avoidance. One of the largest waste reduction projects of the City of Vienna are the "48er-Tandler". In these second-hand shops beautiful old items get a new lease on life. Because reusing is even more eco-friendly than recycling.

And let's not forget: The façade of our head office is greened with over 8,000 plants. They bind approx. 6 tonnes of CO<sub>2</sub> annually and generate oxygen.

Additionally, the green façade is naturally cooling. This saves energy and is good for the climate.

## FACTS AND FIGURES

- 330,000 tonnes CO<sub>2</sub>/year saved through Viennese waste management
- 350,000 tonnes of recyclables = 134,000 tonnes CO<sub>2</sub> saved per year
- 10,000 m<sup>2</sup> solar panels generate approx. 920,000 kWh electricity/year
- 8,000 plants on the greened façade bind approx. 6 tonnes CO<sub>2</sub>/year



## CONTACT

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