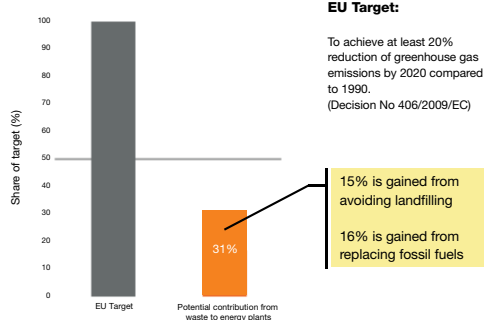


Fighting Climate Change: Energy-from-Waste

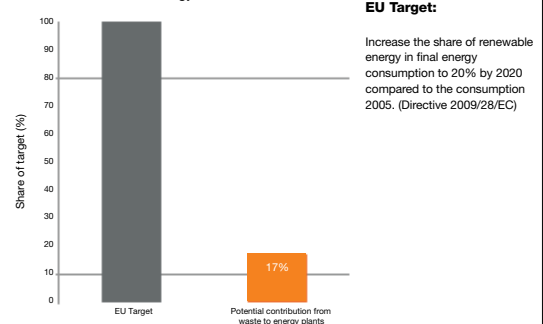
Contribution of Energy-from-Waste to the fight against Climate Change

Potential contribution from waste to energy plants to EU 's target to reduce greenhouse gas emissions.



Energy-from-Waste can make a substantial contribution as a source of renewable energy

Potential contribution from waste to energy plants to EU 's target to increase the use of renewable energy.



Source: PROFU, 2009

How?

Avoiding Methane Emissions from Landfill

Waste landfilled decomposes under anaerobic conditions, generating methane (CH₄). This is a Greenhouse Gas 25 times more potent than CO₂. Energy-from-Waste does not emit methane, only CO₂, of which 50 % is of biogenic origin.

= 15% of EU 2020 target for CO₂ reduction!

Substituting Fossil Fuels

By recovering the energy contained in the waste and making it usable as steam, heat or electricity, fossil fuels are being substituted. This reduces Greenhouse Gases Emissions.

= 16% of EU 2020 target for CO₂ reduction!

Generating Renewable Energy

About 50% of non-recyclable waste is of biogenic origin. The energy recovered when combusting it qualifies as "renewable".

= 17% of EU 2020 target for "renewable"!