

Entsorga Group: CO₂eq balance



For the last 20 years Entsorga has devoted considerable time and resources to studying the issue of environmental effects of human activities and the solutions, both existing and possible, for its alleviation.

For this reason, among our Corporate Social Responsibility (CSR) policies, we included the CO₂eq balance of our Group, to demonstrate how our proprietary technologies contribute to the environmental protection.

The Kyoto Protocol has chosen the CO₂ as the reference gas to express the Global Warming Potential of GHGs. Thus was born the concept of CO₂eq.



CO₂eq = quantity of emissions of all greenhouse gases equivalent to effects of global warming with CO₂ according to the conversion tables defined.

«Man standing» Tironi Yoshida (EntsorgaFin collection)



CO₂eq RELEASED: DESCRIPTION OF CALCULATION PROCESSES

Source of CO₂ related: business activities of Entsorga Group

Electricity	=	Consumption kWh Data source: company archive	x	EF [kgCO ₂ eq/kWh] 2016 guideline to Defra/DECC's GHG Conversion Factor	=	tonCO ₂ eq
Thermo convection	=	Liters of heating gasoil Data source: company archive	x	EF [kgCO ₂ eq/liter] 2016 guideline to Defra/DECC's GHG Conversion Factor	=	tonCO ₂ eq
Paper consumption	=	Kg of paper consumed Data source: company archive	x	EF [kgCO ₂ eq/kg paper] 2016 guideline to Defra/DECC's GHG Conversion Factor	=	tonCO ₂ eq
Car trips	=	Km traveled Data source: company archive	x	EF [grCO ₂ eq*km] 2016 guideline to Defra/DECC's GHG Conversion Factor	=	tonCO ₂ eq



CO₂eq BALANCE: RESULTS

1 credit = 1 ton of CO₂eq

Active CO₂eq

Entsorga stock remaining credits from 2010	52 tonCO ₂ eq
Composting plant of Territorio e Risorse Srl Reduced emissions compared to landfill disposal	9716 tonCO ₂ eq Calculated with UNFCCC AM025 methodology
Composting plant of Ogliastro Compost Srl Reduced emissions compared to landfill disposal	1874 tonCO ₂ eq Calculated with UNFCCC AM025 methodology
TOT	11.642 tonCO₂eq

Passive CO₂eq

Electricity	10,00 tonCO ₂ eq
Thermo convection	18,24 tonCO ₂ eq
Paper consumption	0,37 tonCO ₂ eq
Car trips	83,54 tonCO ₂ eq
Flights	86,98 tonCO ₂ eq
TOT	200 tonCO₂eq

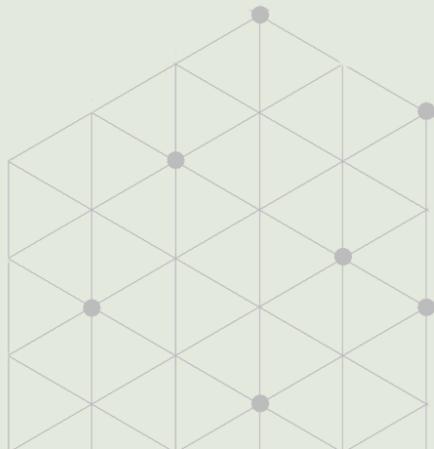
CREDIT CO₂eq 2016 = 11.442 tonCO₂eq

The CREDIT of 11.442 tons of
CO₂eq is reflected in:

**115.580.000 km covered by
5779 Volkswagen POLO**

Data source: Italian Government website

Less
CO₂eq



The CREDIT of 11.442 tons of CO₂eq is reflected in:

**annual electricity consumption
of 16.547 people**

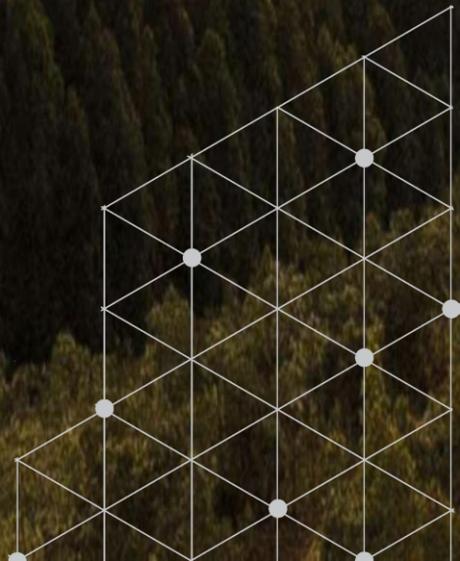
Data source: Legambiente



The CREDIT of 11.442 tons of CO₂eq is reflected in:

55 hectares of new woods

Data source: average value found in the layout of a regional italian production rules for a medium-sized tree and with an average life of 50 years



ENTSORGA IS DECIDELY IN SURPLUS TOWARDS THE ENVIRONMENT

CO₂eq reduced > CO₂eq released

Thanks to the application of EntSORGA's proprietary technologies, it has been possible to reduce the CO₂eq emissions compared to the treatment of same material in the landfill.

Considering also the CO₂eq released for all daily activities done by our group and subtracting this data from the quantity of reduced emissions, our CO₂eq offset results in surplus towards the environment.





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