# COMMODITY EXCHANGE BRATISLAVA

## Calculation of Caron intensity for year 2012 for purposes of CEB VER methodologies

### About this document

This document calculates in detail carbon intensity for specific year.

### Carbon Intensity

Carbon Intensity is Amount of CO2 produced by producing 1 MWh of energy.

The formula to calculate total carbon intensity is average of the carbon intensity in major European power companies. Exact calculation (this document) shall be published on CEB website for every year. Because of delay of the data in official annual reports, the Carbon Intensity from these report should be taken for the following year (For example, from annual reports 2011 will be calculated carbon intensity for year 2012.). If the annual report provides exact value of carbon intensity, it will be considered as carbon intensity for that company. If not, carbon intensity will be the amount of total CO2 produced divided by total generated electricity.

### Carbon Intensity 2012

**E.ON** states its carbon intensity on page 42 to be 0,43 t/MWh.
**ENEL** states its carbon intensity on page 22 to be (411g/kWh) = 0,411 t/MWh
**ČEZ** produced 29 829 kt CO2 (Page 277) Generated 59 584 GWh (Page 65), Carbon intensity = 29 829 000 / 59 584 000 = 0,501 t/MWh
**EDF** states its carbon intensity on page 31 to be 30,4g/kWh = 0,0304 t/MWh

Data were taken from the annual reports of the companies from the year 2011.

Average carbon intensity is: (0,43 + 0,411 + 0,501 + 0,0304) / 4 = 0,343 t/MWh

## Average carbon intensity for year 2012 is **0,343 t/MWh**