

CO2 emissions per TJ per fuel  
(EFELECGHG<sub>i</sub>)  
CO<sub>2</sub> / TJ

Electricity production per electric plant  
(ELECPROD<sub>i</sub>)  
GWh

water withdrawal intensity per fuel and cooling sytem  
(WWFUELCOOL<sub>i</sub>)  
m<sup>3</sup> / GWh

$3.6 * \text{ELECPROD}_i * \text{EFELECGHG}_i$

CO2 emissions per electric plant  
(ELECGHG<sub>i</sub>)  
tonnes

$(\text{ELECPROD}_i * \text{WWFUELCOOL}_i).\text{reorder\_levels}(\text{ELECPROD}_i.\text{index.names})$

Water withdrawal per electric plant  
(ELECWW<sub>i</sub>)  
m<sup>3</sup>