

Scope 2: Indirect Emissions From the Production of Electricity

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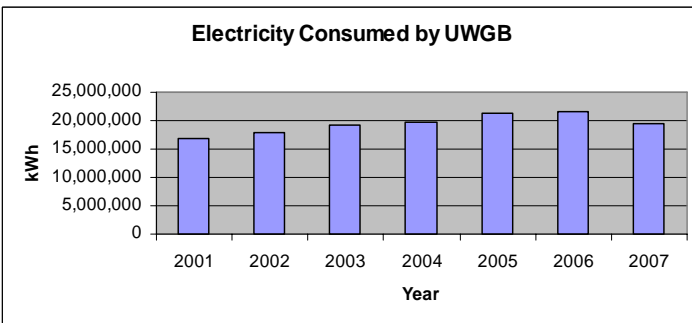
CO₂ emissions from coal combustion for electricity generation

Electricity generation from coal combustion creates roughly 2.1 pounds of CO₂ per kWh. This leads to over 1.8 billion metric tonnes of CO₂ being released into the atmosphere every year. Coal combustion also releases other greenhouse gases.

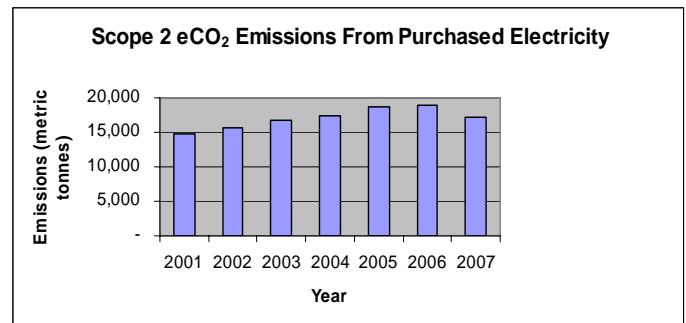
Equivalent Carbon Dioxide Emissions

eCO₂ emissions is a metric measure used to compare the emissions from various greenhouse gases based upon their global warming potential (GWP). Carbon dioxide equivalents are commonly expressed as "million metric tonnes of carbon dioxide equivalents (MMTCDE)." The carbon dioxide equivalent for a gas is derived by multiplying the tonnes of the gas by the associated GWP. $MMTCDE = (\text{million metric tonnes of a gas}) * (\text{GWP of the gas})$. For example, the GWP for methane is 21 and for nitrous oxide 310. This means that emissions of 1 million metric tonnes of methane and nitrous oxide respectively is equivalent to emissions of 21 and 310 million metric tonnes of carbon dioxide. Our eCO₂ numbers are a sum of all associated numbers.

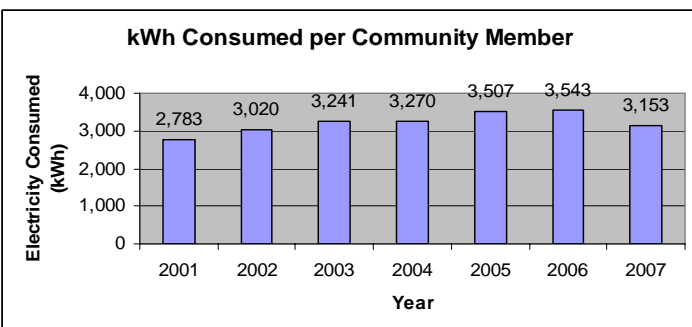
UWGB Purchases All Electricity



Equivalent carbon dioxide emissions from off-site electricity generation



Amount of Electricity Consumed per Person



Electric eCO₂ Emissions per Person

