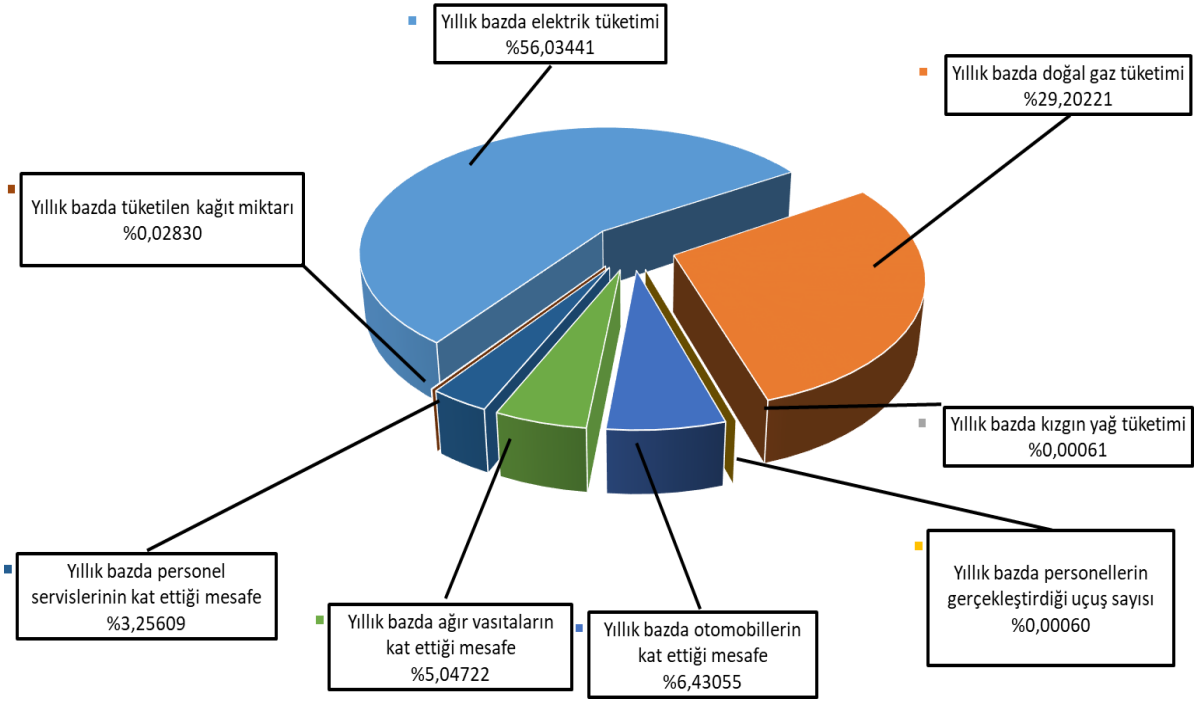




Maltepe University Corporate Carbon Footprint in 2022

The European Commission has published a new growth strategy within the framework of the European Green Deal, which includes fundamental goals such as zeroing out net greenhouse gas emissions by 2050 and ending the dependence of economic growth on resource use. This strategy aims to be climate neutral; to ensure a fair and inclusive transition in terms of protecting human life, animals and plants by reducing pollution. In order to reduce the effects of climate change on a global scale, to increase energy efficiency and to ensure the sustainability of energy, each institution must reduce its corporate carbon footprint resulting from greenhouse gas emissions released directly or indirectly into the atmosphere as a result of its activities.

Maltepe University Environment and Energy Technologies Application and Research Center (ÇEVENTAM) has conducted a research on the “carbon footprint of Maltepe University”. In the research, greenhouse gas emissions resulting from energy consumption on the university campus (electricity consumption and natural gas consumption on an annual basis), greenhouse gas emissions resulting from transportation (number of flights by personnel and distance traveled by university vehicles on an annual basis), and waste (A4 paper consumption and hot oil consumption resulting from the preparation of food products) on an annual basis were examined. Maltepe University's carbon footprint for 2022 was found to be 9,890 tonsCO₂e. 85% of this carbon footprint consists of the university's energy consumption, 14% of it consists of transportation on campus, and 1% of it consists of paper consumption and hot oil consumption.



In order to reduce the carbon footprint originating from energy consumption, considering the geographical characteristics of the campus location, it is recommended that solar energy systems, which are one of the renewable energy systems, be used in buildings with high energy consumption. In order to reduce the carbon footprint originating from transportation, it is recommended that the number of vehicles on campus should be sufficient and at the minimum required number. In order to reduce the carbon footprint originating from waste, it is recommended that waste papers and oils at the university be evaluated within the framework of “zero waste with recycling”.