


2021 KKU Carbon Footprint

CO2 emission in the last 12 months, in kgCO2eq.

 CO ₂	CO2 emission (kgCO2eq)
Electricity Usage Per Year	72,771,686.40
Transportation Per Year (Bus)	2,668,800.00
Transportation Per Year (Car)	11,382,268.80
Transportation Per Year (Motorcycle)	1,554,504.00
Total carbon footprint	88,377,259.20



Greenhouse gas emission reduction from renewable energy

Program	Quantity	Greenhouse gas emission reduction
Solar Farm	2,690,892.86 kWh	1,509,590.89
Solar Rooftop	101,920 kWh	57,177.12
restoring forrest	45.59 Rai	712,100
Total Greenhouse gas emission reduction 2021		1,566,768.01

**Total carbon footprint of 2021 = Total Carbon Emission – Total Carbon Sink
= 86,098,391.19 kgCO2eq**

2021 KKV Carbon Footprint



CO₂ emission in the last 12 months, in kgCO₂eq.



ELECTRICITY USAGE PER YEAR
72,771,686.40



TRANSPORTATION PER YEAR (BUS)
2,668,800.00



TRANSPORTATION PER YEAR (CAR)
11,382,268.80



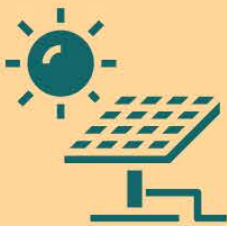
TRANSPORTATION PER YEAR (MOTORCYCLE)
1,554,504.00

Total carbon footprint

88,377,259.20



Greenhouse gas emission reduction from renewable energy



SOLAR FARM
1,509,590.89



SOLAR ROOFTOP
57,177.12



RESTORING FORREST
712,100

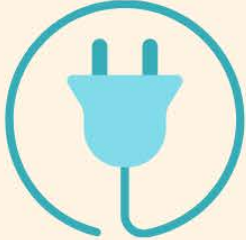
Total Greenhouse gas emission reduction

1,566,768.01

Total carbon footprint of 2021 = Total Carbon Emission - Total Carbon Sink
= 86,098,391.19 kgCO₂eq

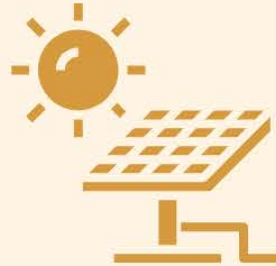


KKU ENERGY CONSUMPTION 2021



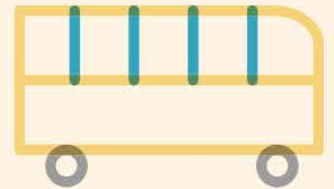
ELECTRICITY

86,632,960
KWH/YEAR



RENEWABLE ENERGY

2,702,812.81
KWH/YEAR



TRANSPORTATION

132,640,687.98
KWH/YEAR



NATURAL GAS

2,702,812.81
KWH/YEAR



FUEL OIL

10,032,000
KWH/YEAR

TOTAL POWER CONSUMPTION

TOTAL 240,392,688.67 KWH/YEAR





KKU WATER CONSUMPTION 2021



RAW WATER

4,207,665 CU.M.



CLEAN WATER

2,806,216 CU.M.

TOTAL WATER CONSUMPTION

TOTAL 7,013,881 CU.M.



**THE WASTEWATER TREATMENT PROCESS IS RECYCLED
200 CUBIC METERS PER DAY**