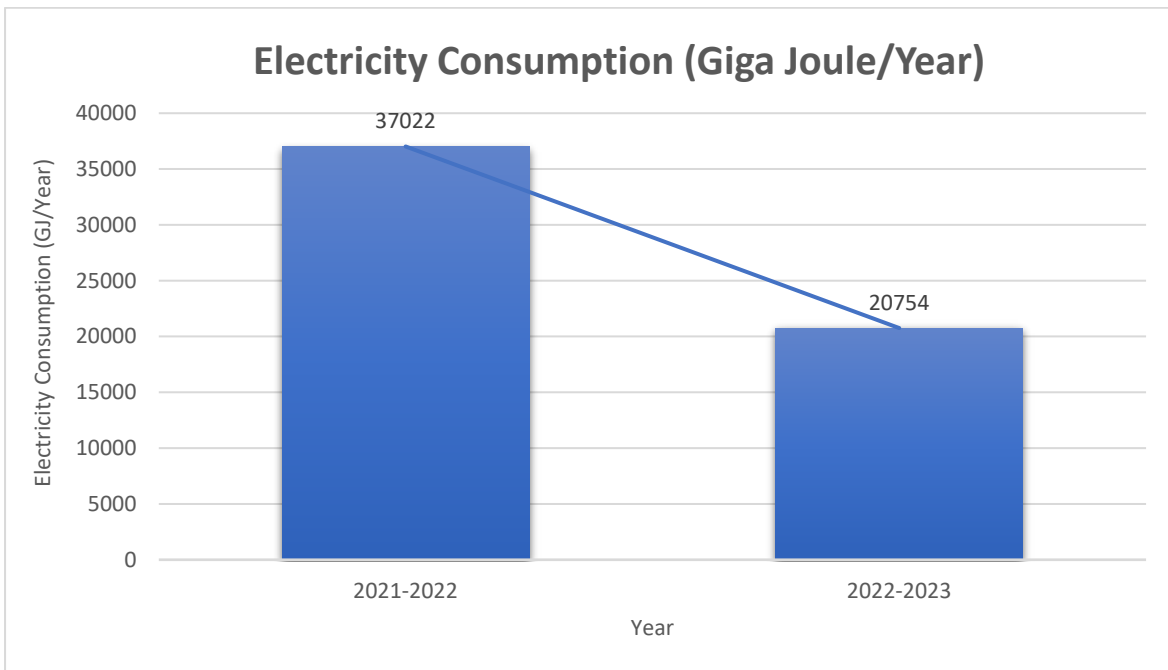


Based on the graph above, the fluctuation in electricity usage at the Universitas Sumatera Utara during 2022 - 2023 is 5,765,104 kWh/year = 20754.37 Giga Joules/year. This figure was lower in the previous year when electricity consumption in the 2021 - 2022 range was 37,022 Giga Joules/year.



If we look at the graph above, energy consumption from year to year decreases drastically, this explains that USU is committed to energy savings such as revamping the AC system and using more efficient air conditioning, retrofitting hydrocarbon refrigerants, replacing Tube Lamps with lowers wattage and reducing electricity loads at night which has the potential to save energy up to 46.17%