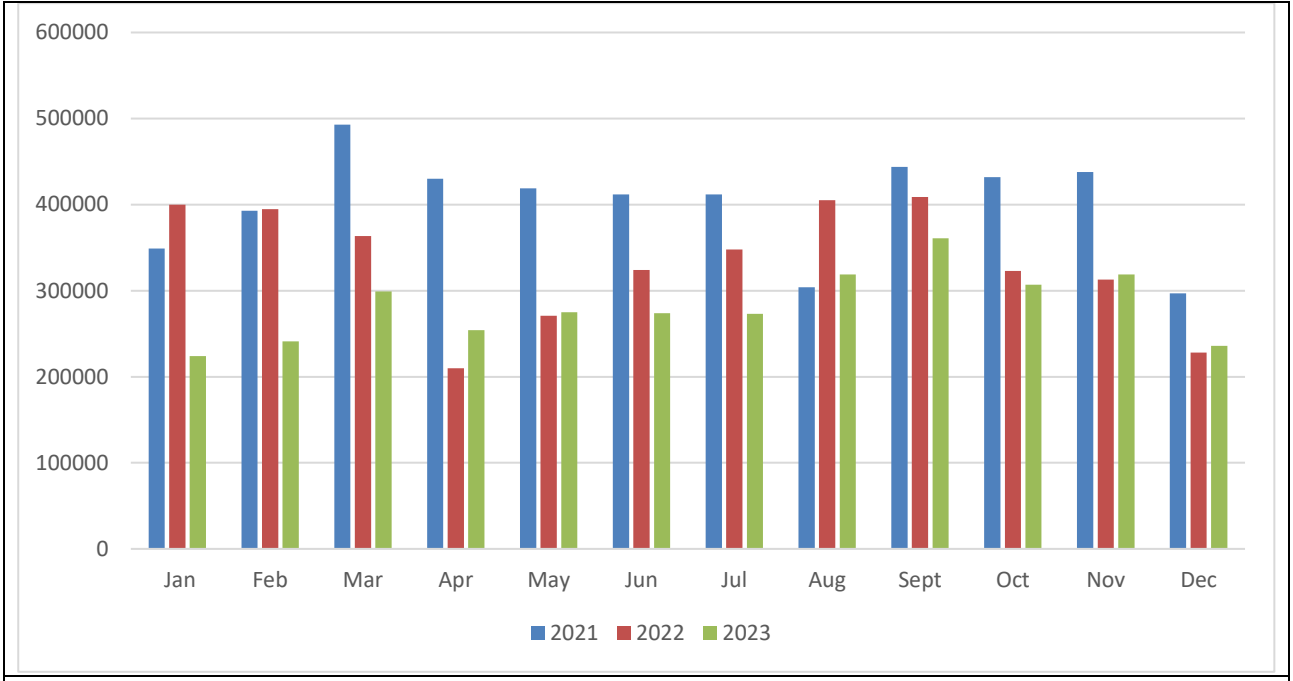
# University Rating System (HURS)

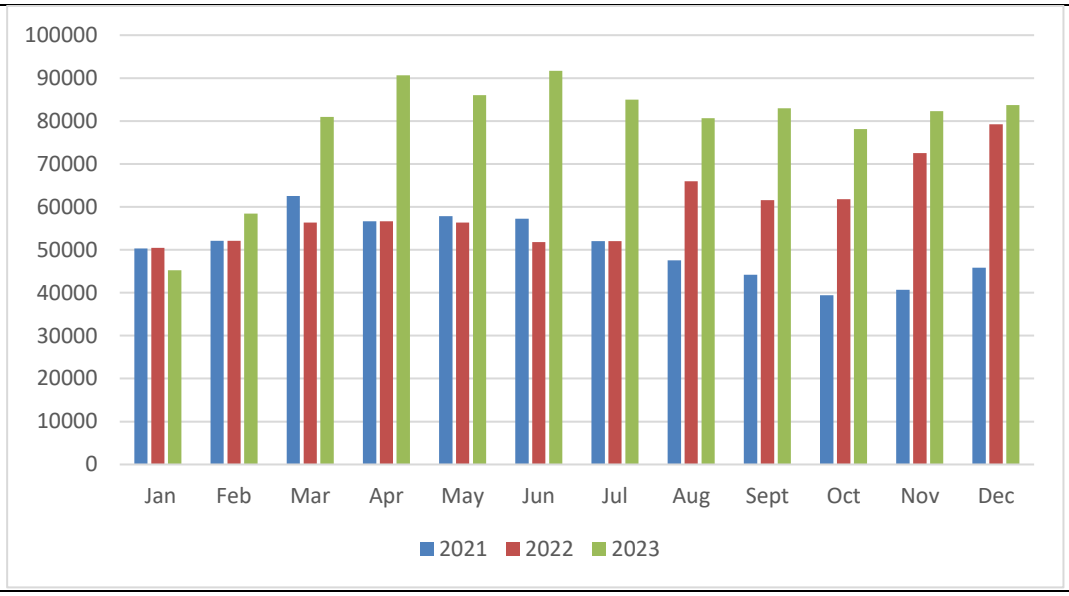
University : Siam University
Country : Thailand
Web Address : http://sustainability.siam.edu

## SI 2.4 Advanced Energy Management Systems

**[2.4.7] Electricity usage per year**




Electricity consumption (kW-h), Siam University, Thailand
(Source: Energy management reports in 2020-2023)




Energy saving capacity (kW-h) for each month in 2021 -2023
Siam University, Thailand

**Description:**

Siam University publishes our yearly energy management report in accordance to calendar year (January-December). The above chart is the comparison of energy usage between the year 2021, 2022 and 2023. The Energy Management Report (Siam University) indicated that the total energy used in the last 12 months in the whole university for all purposes including lighting, heating, cooling and running university laboratories was 3,989,158.00 kW-h, while the electric bills in the year 2023 were 3,381,856.00 kW-h. We have thus managed to reduce our electrical expenses up to 2.38%. The total electricity usage divided by total campus population is around 1416.18 kW-h per person. Ratio of renewable energy produce/production towards total energy usage per year is around 30.14 %. From the electricity consumption graph, it was indicated that electrical consumption in our university decreased obviously in each month since the utilization of renewable energy and energy saving appliances, such as solar cells, have been installed and used in the university. This results in a decrease in electricity usage and electric bills up to 2.38 %.