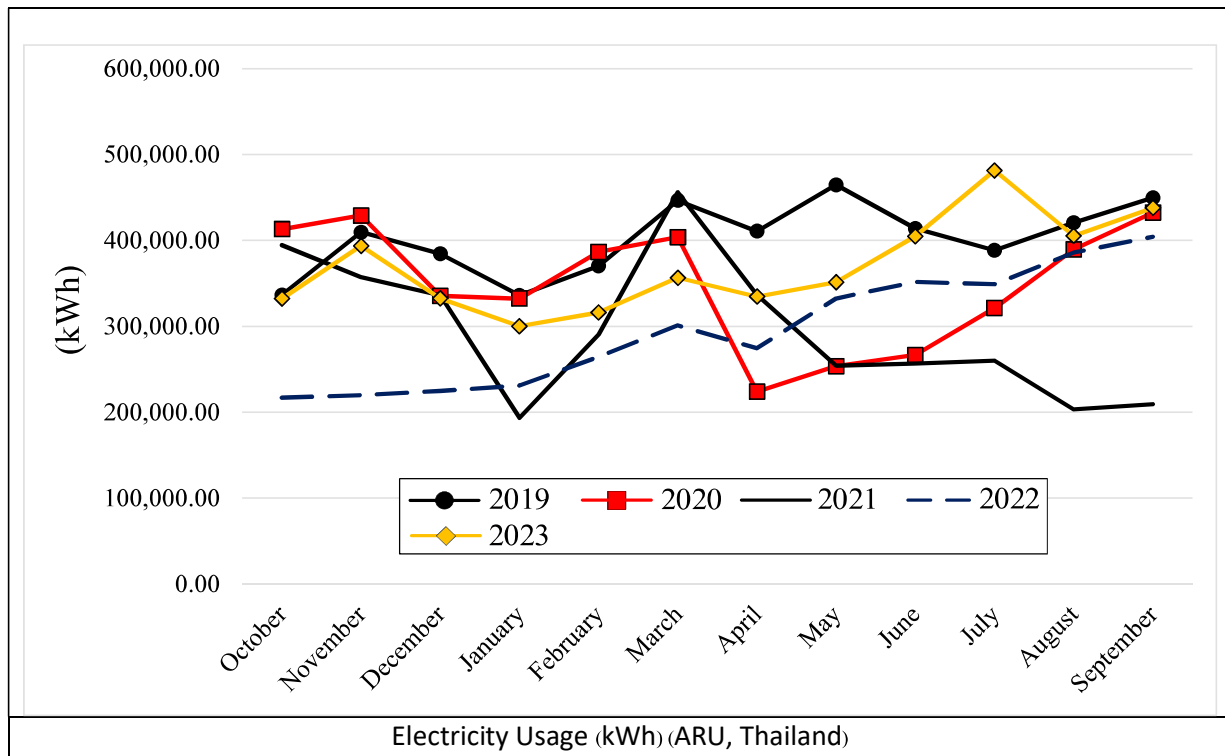




University : Phranakhon Si Ayutthaya Rajabhat University (ARU)
 Country : Thailand
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[2] Energy and Climate Change (EC)

[2.6] Electricity Usage Per Year (in Kilowatt hour)



Electricity Usage (kWh)													
Year	1	2	3	4	5	6	7	8	9	10	11	12	Total
2019	336,574.40	409,531.00	384,434.14	336,020.50	370,218.59	446,558.86	410,555.40	464,837.70	413,852.12	388,515.78	420,604.10	449,739.09	4,831,441.68
2020	412,988.09	428,805.66	335,303.50	332,171.53	386,595.73	403,901.01	223,938.42	253,579.03	266,607.16	321,354.61	389,287.23	432,335.39	4,186,867.36
2021	394,611.93	357,029.69	335,968.41	193,466.11	290,559.06	456,245.25	336,772.17	254,415.02	256,607.11	259,883.24	203,393.57	209,364.72	3,548,316.28
2022	216,969.66	219,762.45	224,812.31	230,974.93	264,585.23	300,915.99	274,345.95	332,344.53	351,690.39	348,964.64	385,783.66	404,306.18	3,555,455.92
2023	332,177.78	393,621.51	332,538.24	299,999.23	316,053.62	356,476.97	334,628.53	351,288.32	404,771.16	481,418.29	405,300.89	437,822.41	4,446,096.95

Description:

The total electricity usage of ARU in 2023 was 4,446,096.95 kWh. ARU electricity is used for lighting and cooling, mostly in the classrooms and for some laboratory appliances. In 2021, during the COVID-19 Pandemic, most classrooms were not used regularly, and the energy consumption was reduced. However, in 2022, most of the classes were launched as regular, which increased the use of higher electricity usage. The programs for the reduction of electricity usage were launched and the light bulbs were continually changed to LED bulbs and the old cooling systems were replaced with new cooling systems every year. The electricity usage slightly decreased in the last two quarters of 2021.