

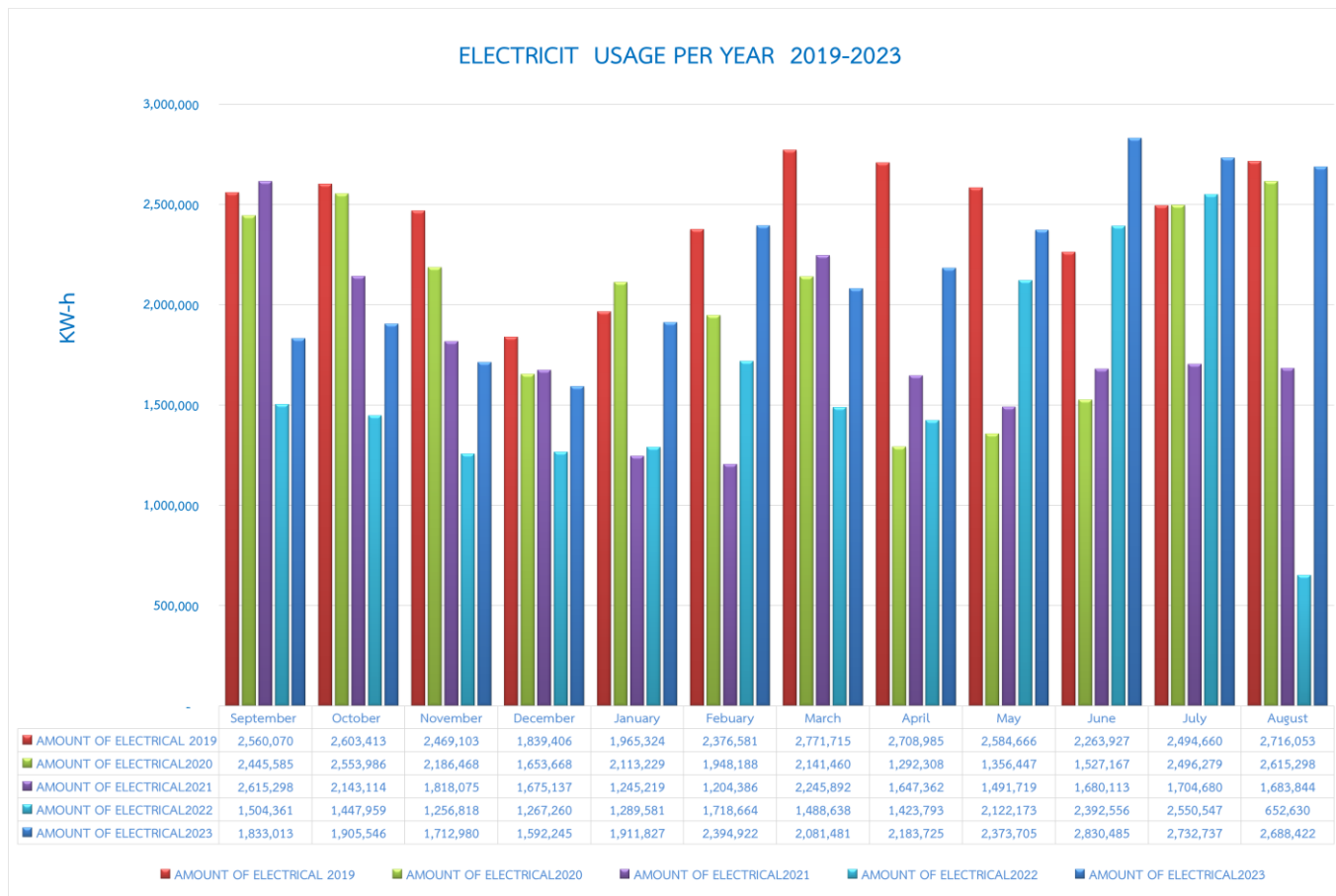


## Template for Evidence(s) UI GreenMetric Questionnaire

University : Mahasarakham University  
 Country : Thailand  
 Web Address : green.msu.ac.th

### [2] Energy and Climate Change (EC)

#### [2.6] Electricity Usage per Year 2019-2023 (in Kilowatt hour)



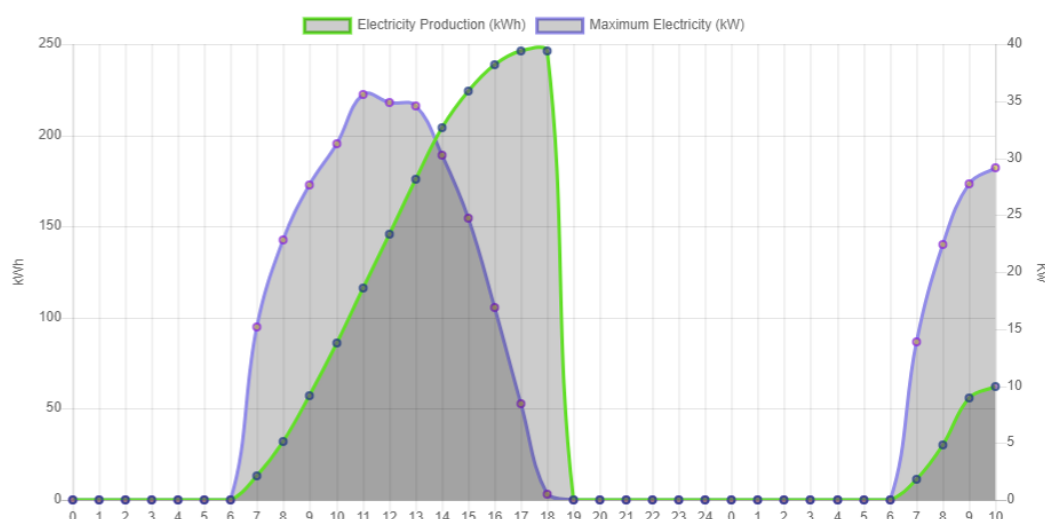
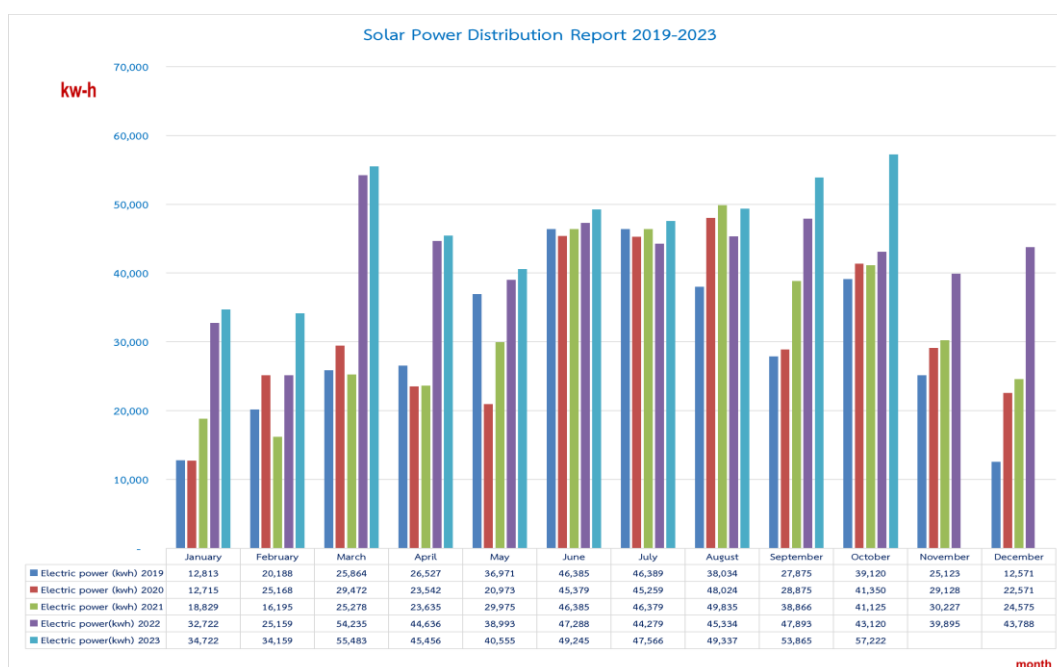
Energy Management Office and Green University Group Monitor and record the amount of electrical energy supplied to Mahasarakham University. Air conditioning cooling In 2020, electricity consumption was 21,888,497 kWh, and in 2021, electricity consumption was 20,117,257 kWh. Electricity consumption in 2021 decreased compared to 2020, where electricity consumption decreased by 1,771,240 kWh, and in 2022, electricity consumption decreased by 20,133,600 kWh. Electricity consumption slightly increased by 16,343 kWh, compared to 0.08 percent in 2021. In 2022 to 2023, the university has constructed Outpatient Building 1 with a walkway connecting Building 1, increasing electricity consumption by 6,107,488 kWh. The number of students in 2022 to 2023 is more than 40,000. Currently, Basutthavej Hospital and Mahasarakham University. Urban areas receive electricity from the Provincial Electricity Authority's distribution system, which is shared with other power users. This causes power outages and power outages on a regular basis. As a result, electrical equipment and medical equipment are defective due to such problems. In addition, there are plans to construct more new buildings, resulting in higher



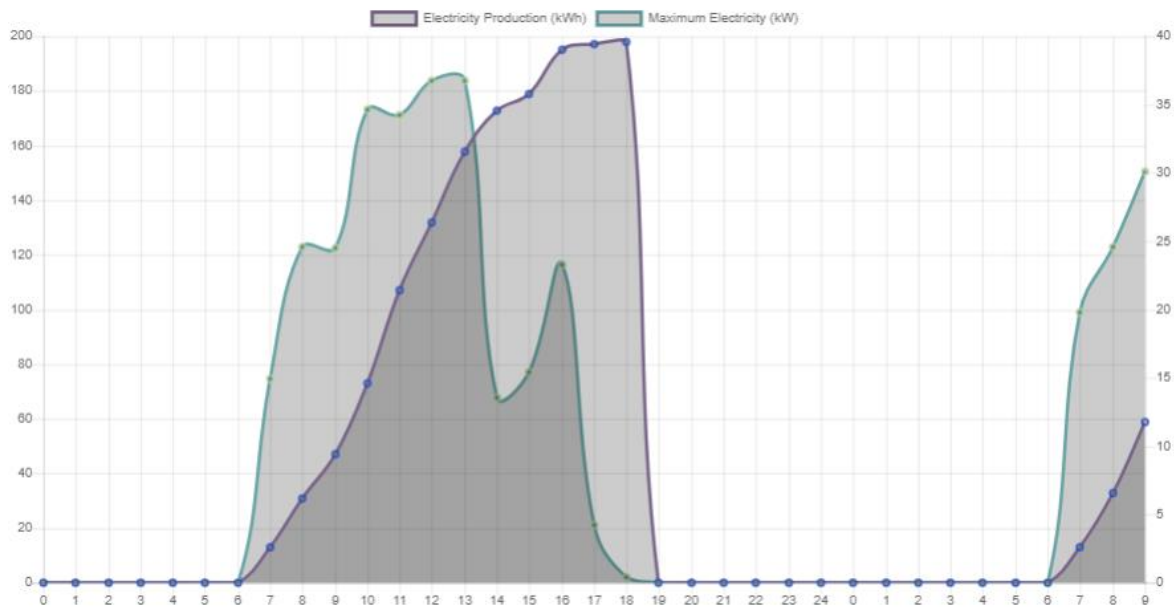




Mahasarakham University (urban area) has received funding from the Office of the Energy Regulatory Commission B.E. ๒๐๒๓ to promote the use of renewable energy and technologies used in electricity business with low environmental impact according to Section ๒๐๒๓. ๔๗ (๔) In the implementation of the project of installation of solar power generation systems installed on the roof. Mahasarakham University wishes to make use of the space on the roof of the building. Mahasarakham University (urban area) has a photovoltaic power generation capacity of ๔๘๖ Kw and Mahasarakham University (Kham Riang area) has a solar power generation capacity of ๕๐๕.๖๐ Kw to create electricity security, reduce greenhouse gas emissions (t CO<sub>2</sub> E/year) and develop hospital personnel under Mahasarakham University to have knowledge and experience in utilizing energy with solar cells (Solar rooftop) according to the policy of the Energy Regulatory Commission. Ministry of Energy



Mahasarakham University (urban area) has solar cell power generation capacity ( 48 Hours Backward)



Mahasarakham University (urban area) has solar cell power generation capacity ( 48 Hours Backward)

☒ Maximum Power and Energy Generation (48 Hours Backward)

