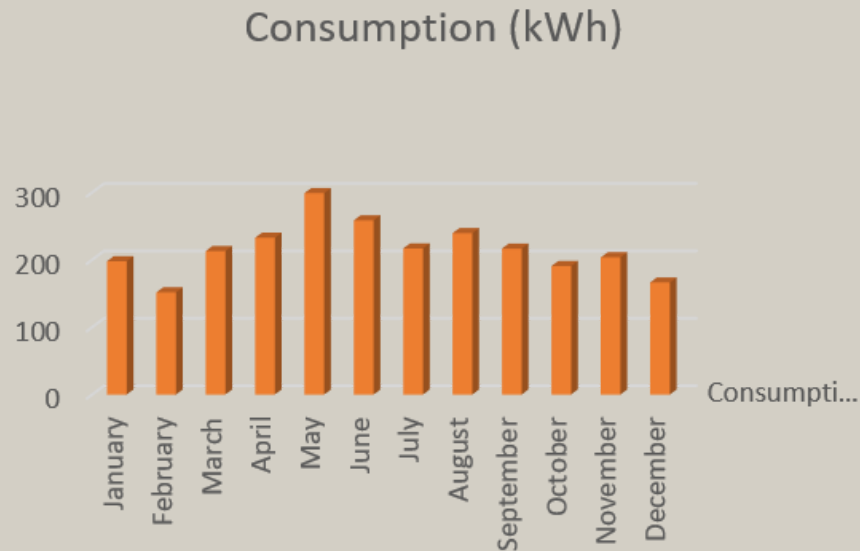




SOLAR ENERGY CONSUMPTION 2021

Month	Consumption (kWh)
January	197.9
February	151.7
March	212.9
April	232.7
May	299
June	258.6
July	216.8
August	239.6
September	216.6
October	190.7
November	203.7
December	166.4
Total	2586.6/2587
Converted to gigajoule	9.31176



According to research, the utilization of new and alternative energy sources, specifically solar energy, has been on the rise and will continue to grow as we attempt to diminish our use and dependency on older, non-renewable energy sources. Solar energy technologies are one of the least carbon-intensive ways to produce electricity in a society that is becoming more and more carbon-constrained.

Accordingly, Batangas State University makes a commitment to creating climate-smart infrastructure and technology by installing solar panels to help battle greenhouse gas emissions and lessen our global reliance on fossil fuels.

The table and figure as presented above illustrates the recorded solar energy consumption for 2021. The data presented states the monthly consumption which arrives at 2587 kWh or 9.31176 gigajoules annual consumption for 2021. It can be noticed that the months of March –September generates the higher consumption of solar power energy. It can be due to angle of factors, including the angle of the sun, the length of the day and the weather on the afforested months. It was supported by the one solar installer's customer's which he found out that 65% of annual energy output is generated between March 21 and September 21. Whereas only 35% of annual energy output was generated between September 21 and March 21.

Responding to globally competitive nature of academic structures, Batangas State University is continuously building ways in creating a sustainable community in all its campuses and to realize the vision of a green sustainable future.