Serviced Area/Buildings	23-Jan	23-Feb	23-Mar	23-Apr	23-May	23-Jun	23-Jul	23-Aug	23-Sep	23-Oct	23-Nov	23-Dec
R&D and Food Processing	3600	7680	1740	2280	2160	1800	1,200	2,940	2,940	2,820	2,820	2,820
Jose Milla Hall, CET main, CET-GE bldg	2360	3860	3620	4160	6540	5260	5,440	3,820	4,580	4,780	3,960	3,020
FTC	2440	3000	2960	2880	2960	3440	3,000	2,680	2,880	2,600	2,480	2,440
Calao classroom building (Temp Disconnected)												
CAF Complex	3720	5080	3320	4560	4280	4280	3,040	2,920	4,880	3,680	3,400	2,800
Gym, CBM, CAS, Sports, ROTC, Alumni bldgs.	5970	12240	6630	7560	7590	11220	4,740	5,520	12,960	13,440	10,980	8,250
Deep well, Clonal	561	481	553	953	915	904	913	754	1,148	908	884	951
Dormitories and Staff houses	5000	4320	7840	9000	7800	6120	5,080	5,320	7,240	6,520	6,320	6,480
CEC, ELIA (disconnected), CCU, 3 comml stores												
Library and IT Data Center, Vetmed hospital	13320	14400	13800	16020	14700	15780	14,220	12,840	16,500	14,220	14,400	13,200
New Admin, Agritourism complex, Rootcrops, new CVM, GSO. Supply, Motorpool, ICT, CoEd, LS, Animal production , Smart Agriculture, Deep well	32340	47880	39900	40740	49140	51240	37,380	36,540	68,040	44,940	55,440	37,800
TOTAL POWER CONSUMPTION,KWH	**69,311**	**98,941**	**80,363**	**88,153**	**96,085**	**100,044**	**75,013**	**73,334**	**121,168**	**93,908**	**100,684**	**77,761**
GJ	249.5	356.19	289.31	317.35	345.91	360.16	270.1	264	436.2	338.07	362.46	279.94

Total GJ: **3869.16**

In 2023, Tarlac Agricultural University (TAU) recorded a total electricity consumption of 3,869.16 gigajoules (GJ). This includes the energy usage across various departments and facilities, the measures undertaken to optimize energy efficiency, and the implications of this consumption on TAU’s operational expenses and sustainability goals.

The total energy consumption reflects TAU's requirements for lighting, heating, cooling, equipment operation, and other essential activities. Given TAU’s mission to provide a conducive learning environment, maintaining an optimal energy supply for labs, classrooms, and administrative offices is essential. Energy usage at TAU typically fluctuated throughout the year based on academic and seasonal patterns. In addition, seasonal variations in temperature, especially during peak summer months, contributed to increased cooling demands, leading to higher electricity consumption.

The university's administrative buildings, laboratories, and academic facilities were the primary consumers of electricity. Laboratories, in particular, required substantial energy for equipment and climate control to ensure proper functioning of sensitive instruments. Academic facilities also accounted for a significant portion due to lighting and cooling needs. The central library, another key area, experienced consistent energy demand as it remained open for extended hours to support students and faculty.

TAU has been actively implementing measures to optimize energy usage as part of its sustainability commitment. Throughout 2023, initiatives such as installing LED lighting, upgrading HVAC systems, and conducting regular energy audits were carried out. These measures not only aimed to reduce electricity costs but also sought to lower TAU’s carbon footprint, in alignment with environmental goals. The university only allows the use of aircon from 9 AM to 4 PM only.

With an energy consumption total of 3,869.16 GJ, TAU incurred significant expenses to meet its electricity needs. The administration’s budgeting strategy allocated funds for electricity while balancing other operational needs, emphasizing efficient resource management. As electricity costs are a substantial part of the university’s operational budget, TAU’s ongoing energy-saving measures are expected to yield long-term financial benefits.

The year 2023 underscored the importance of efficient energy management at Tarlac Agricultural University. With a total consumption of 3,869.16 GJ, the university faced both the challenges of managing high demand and the opportunities for further sustainability enhancements. Moving forward, TAU plans to continue exploring renewable energy sources, such as solar panels, to supplement its electricity needs. This direction will align TAU with broader sustainability goals and contribute to its role as an environmentally responsible institution.