MOUNTAIN PROVINCE STATE POLYTECHNIC COLLEGE
1969

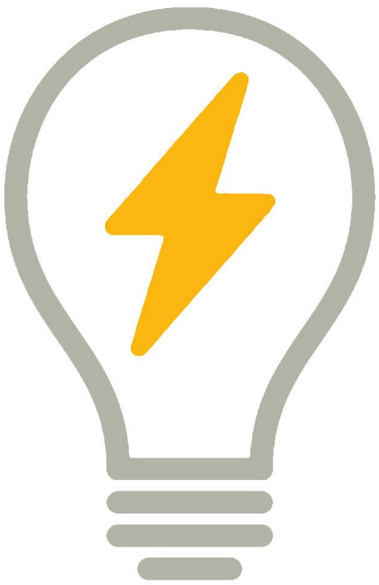
SUSTAINABLE DEVELOPMENT GOALS

7 AFFORDABLE AND CLEAN ENERGY

2022 REPORT

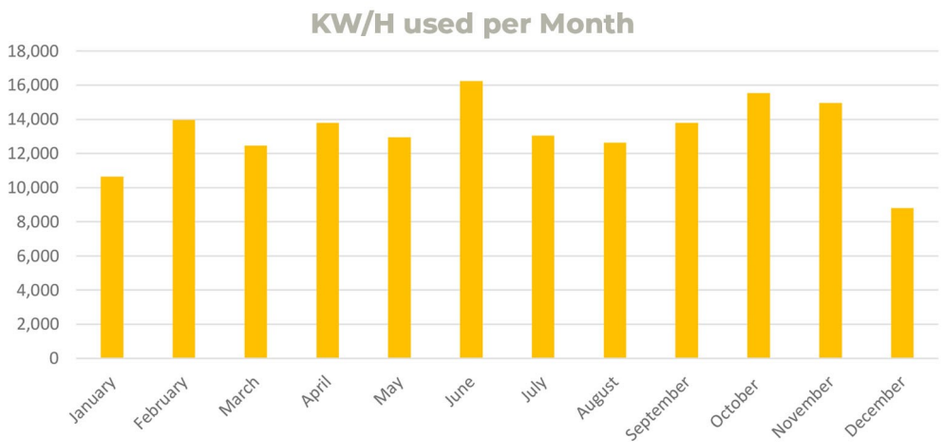
7 AFFORDABLE AND CLEAN ENERGY

ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL



158, 839 kw/h

Total kilowatts consumed per hour in the year 2022



Mountain Province State Polytechnic College proudly upholds Sustainable Development Goal 7 with the Department of Engineering-Technical Expertise leading innovative projects, combining civil and geodetic engineering to enhance the learning environment. Collaborating with other institutions, our focus is on secure and welcoming school grounds. We prioritize affordability through strategic resource allocation, partnering and sharing initiative costs. For example, installing a portable wireless weather station exemplifies efficient learning enhancement and data gathering. This underscores our commitment to quality education, safety, and financial responsibility, creating a harmonious learning environment for all.

Measurement of Water Consumption on Campus

1. Electrical wiring, inspection and land surveying

Mountain Province State Polytechnic College collaborates with partner schools for cost-effective initiatives in geodetic and civil engineering. These efforts include replacing defective cable wires and ensuring safe and conducive classrooms.

Post-earthquake inspections and surveys enhance safety, while training at Otucan-Bila National High School in electrical wiring empowers 20 students and faculty.
A comprehensive commitment to safety and education is demonstrated by these proactive steps, which not only establish a safe learning environment but also give the community useful skills and resilience.

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2. Illumination and electrification of classrooms for improved learning.

The MPSPC Engineering Department had been sustaining their main extension program on adopting a school, the Otucan-Bila National High School. To improve safety, 11 BTVTED faculty, Otucan-Bila National High School, and electrical engineering worked hand in hand. Two classrooms that had poor lighting systems and were ant-infested were completely reconditioned. Additionally, each room had four sets of bulbs that were taken out, cleaned, rewired, and spliced. Ant nests were removed, and broken bulbs were replaced by standard fluorescent bulbs. With this activity, teachers and students are protected from potential electrical hazards.

3. Installation of Portable Wireless Weather Station for Field Testing

The implementation of several projects in Ba-ang form part of the development of the campus as its research and extension center. One of which is the installation of a portable wireless weather station for field testing at Ba-ang, Banao, Bauko on February 8, 2022 by the Research Development and Extension Services with 20 participants. This project aims to gather more accurate and detailed climatological data, enhancing research capabilities and contributing to a deeper understanding of environmental patterns. With the testing results, it will serve as a foundation for proposing projects related to comprehensive weather stations and formulate appropriate mitigation plans.

TOTAL ENERGY USED

MPSPC becomes more environmentally conscious and focused on sustainability through the monitoring of monthly energy consumption to support SDG 7. Represented in the graph below is the number of kilowatts consumed per hour in a month for the year 2022. As observed, the energy consumption surged in the month of October and started to decline in the following month until it decreased to almost one half on December 2022.

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