



MARIANO MARCOS STATE UNIVERSITY

7.4.1 Energy and the Community

To enhance energy efficiency and promote clean energy, the university engages in community-focused activities and training programs, serving both its members and external stakeholders. Regular training sessions, including energy audits, provide valuable assistance and share insights into the importance of renewable energy.

A significant element of MMSU's current initiatives is the revitalization of the MMSU Affiliated Renewable Energy Center (AREC). This center is dedicated to advancing sustainable energy solutions in the region. Through this renewal, MMSU has strengthened its role as a key hub for renewable energy education, training, and community support, aligning directly with SDG7's mission to ensure access to affordable, reliable, and modern energy for all.

In its outreach and capacity-building efforts, MMSU recently conducted a Renewable Energy Executive Competency Training Program for local government units (LGUs) in Ilocos Norte and one municipality in Quezon. This program addressed critical topics on energy efficiency and the development of local renewable energy plans, equipping local officials with the knowledge and tools needed to implement sustainable energy initiatives in their communities. Additionally, MMSU-AREC conducted several IEC (Information, Education, and Communication) campaigns, reaching both professionals and students through various platforms, including radio programs like "School in the Air."

MMSU's commitment to community development is further demonstrated by its recent project in Barangay Navagan, Aparri, Cagayan, where the university deployed three solar-powered distillers with a total capacity of 36 kWp of solar PV. This system powers distillers for the Kababaihan Kalalakihan Kaakibat Consumers Cooperative, enabling eco-friendly production of nipa-based products like Nipahol and Nipa Lite bioethanol. These community-driven products not only offer renewable bioethanol from nipa but also create livelihood opportunities in the region, underscoring MMSU's dedication to sustainable economic and social impact.

MMSU also established a Renewable Energy Hub and Knowledge Sharing through the accomplishments of the NBERIC, positioning it as a central resource for Renewable Energy within the university. Various departments and external clients now consult NBERIC on RE projects, ranging from research integration with renewable sources to hands-on implementation. This collaborative knowledge-sharing environment supports the effective deployment of sustainable energy solutions across MMSU and beyond, fostering a culture of innovation and responsibility in renewable energy practices.

EVIDENCES:

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