



## Ratio of Renewable Energy Production to Total Energy Usage

**Produced RE to Total Energy Used**

**41.57%**

| No | Renewable Energy                       | Production (in kWh) |
|----|----------------------------------------|---------------------|
| 1  | Solar panel                            | 702,941.64          |
| 2  | Windmill                               | 474.5               |
|    | <b>Total Renewable Energy Produced</b> | <b>703,416.14</b>   |
|    | <b>Total Electricity Usage</b>         | <b>1,597,618.00</b> |

During the reporting period, WCC Aeronautical and Technological College, Inc. generated a total of 703,416.14 kWh of renewable energy, primarily sourced from its solar panel installations (702,941.64 kWh) and windmill system (474.5 kWh). In comparison, the institution's total electricity consumption amounted to 1,597,618.00 kWh. This translates to a renewable energy utilization ratio of 41.57%, indicating that nearly half of the college's electricity demand was met through clean and sustainable sources.

This highlights the institution's progress towards sustainable energy and carbon footprint reduction. WCC ATC effectively minimizes its reliance on grid electricity derived from fossil fuels, contributing to lower greenhouse gas emissions and long-term operational cost savings. The data also reflects the institution's strong commitment to the United Nations Sustainable Development Goals (SDGs), particularly SDG 7 (Affordable and Clean Energy) and SDG 13 (Climate Action), by integrating renewable energy solutions into its daily operations and campus infrastructure.