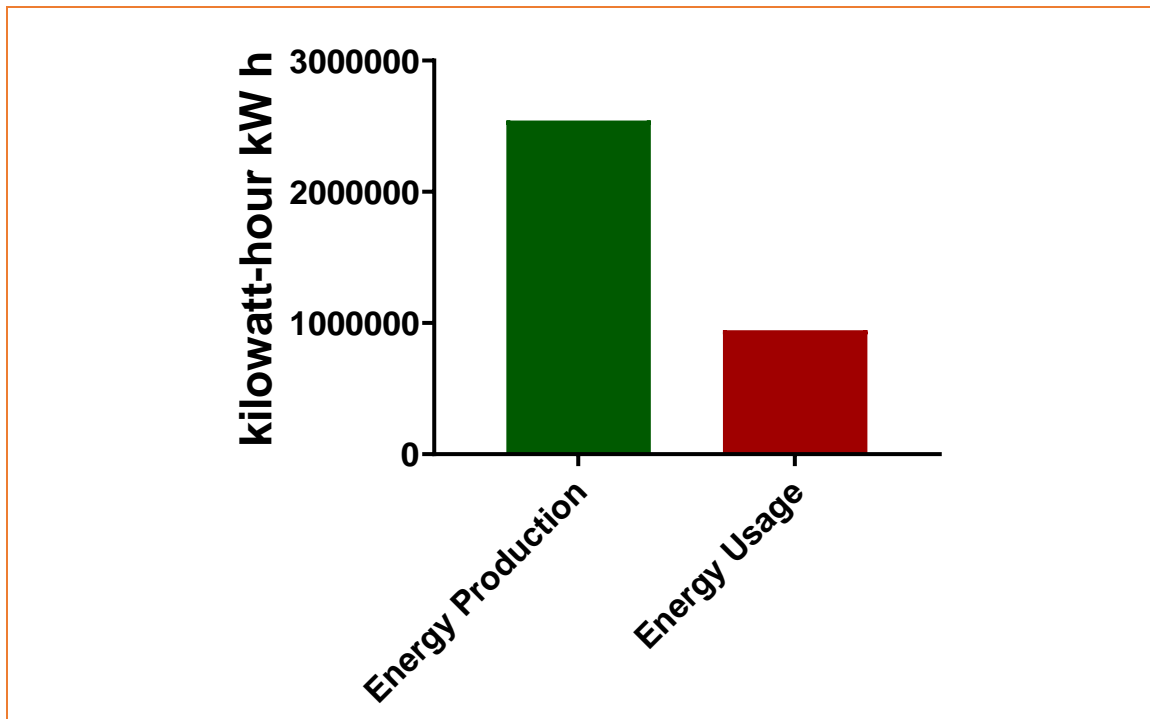


## Affordable and Clean Energy

### SDG 7.4 Energy and community

#### SDG 7.4.2 100% renewable energy pledge

ZUJ has implemented four key renewable energy systems on its campus to reduce electricity usage: wind energy, solar systems, clean biomass, and bio-diesel systems. These renewable sources are used collectively to generate power, ensuring that the university buildings rely 100% on these sustainable energy sources. This initiative demonstrates the university's commitment to sustainability and energy efficiency by fully integrating renewable energy solutions into its campus operations. ZUJ produces 2,544,000 kwh per annum with a total Energy Usage of 945,000kwh. Also, Al-Zaytoonah University of Jordan took different measurement to ensure 100% renewable pledge, as follows:





## Affordable and Clean Energy

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1. Using electrical charging parking for the private electric vehicle.
2. Using renewable energy for electricity.
3. The first Jordanian solar park consists of different components; a solar tree where the leaves are PV panels (M36s-100Wp), a hybrid system (PV/wind), and solar umbrellas fitted with electricity outlets for students.
4. Rideshare is designed to encourage commuters to adopt healthy and sustainable transportation options, (Carpool). Furthermore, Al-Zaytoonah University of Jordan promotes eco-friendly commuting options such as cycling, walking, and public transportation by providing bike-sharing programs, pedestrian-friendly infrastructure, and discounted public transit passes.
5. Encouraged rideshare to adopt healthy and sustainable transportation options, (Carpool).
6. Developed a clear plan to become a carbon-neutral institution by a specified target year, taking into account energy efficiency, renewable energy adoption, and carbon offsetting strategies.
7. Invested in on-campus renewable energy projects, such as solar panels and wind turbines, to reduce dependence on fossil fuels and lower greenhouse gas emissions.
8. Committed to sustainable building practices by adhering to green building standards like LEED (Leadership in Energy and Environmental Design) for all new construction and renovations.
9. Integrated sustainability and climate change-focused courses and programs across various disciplines, encouraging students to explore solutions to environmental challenges.
10. funded and support research initiatives focused on climate change, renewable energy, and sustainability, facilitating innovation in these areas.
11. Implemented comprehensive waste reduction and recycling programs on campus, with a goal to minimize landfill waste and maximize recycling rates.
12. Sourced goods and services locally and sustainably, prioritizing eco-friendly products and supporting fair trade practices.
13. Engaged with the local community and collaborate on sustainability initiatives, knowledge-sharing, and outreach programs to extend sustainability efforts beyond campus boundaries.
14. Allocated resources and grants to support student-led sustainability projects and initiatives, empowering students to drive change and apply their knowledge in practical ways.



	
<p>Wind Energy</p>	<p>Solar Systems</p>
	
<p>Bio Diesel</p>	<p>Clean Biomass</p>

	
<p>Charge Parking</p>	<p>Renewable Energy using Solar System</p>