Table S2. Overview and pro-environmental efforts of Yucun Village and its residents

No.	Content	Detailed Data & Information
1	Overview	The village has approximately 280 households, with a population of over 1,000. The structural ratio of the three economic sectors countywide is 5.2:46.8:48, indicating that the green industry has emerged as a significant pillar of the economy.
2	Wealth of the Population	The village's collective economic income grew from 910,000 yuan to over 22 million yuan from 2005 to 2023.
		The villagers' per capita disposable income increased from 8,732 yuan to over 71,000 yuan from 2005 to 2023.
3	CO2 Emission Reduction	The carbon emissions per unit GDP are 0.14 tons per 10,000 yuan, far lower than the national average of 1.54 tons per 10,000 yuan.
		In August 2023, the village purchased 6,212,000 kilowatt-hours of green electricity and acquired 2,878 green certificates, equivalent to 2,878,000 kilowatt-hours of electricity. This initiative resulted in a reduction of approximately 2,869 tons of CO2 emissions, achieving comprehensive "green electricity" supply for the entire village.
4	Short-Distance Travel	Since 2016, nine new energy charging stations have been built. In the first half of 2023, the charging amount reached 156,000 kilowatt-hours, equivalent to reducing 155.4 tons of carbon emissions.
		Green transportation is preferred by villagers for short-distance travel. The village has buses and multiple e-bicycle rental points available (approximately 100 e-bicycles) for use by residents and tourists.
5	Waste Segregation	Since 2015, the village has implemented a policy of zero waste, insisting on waste classification. Organic waste, with a daily processing capacity of more than 1 ton, is deposited into biogas digesters for harmless gas purification and emissions. The biogas slurry undergoes multi-stage anaerobic fermentation, with the resulting slurry used as fertilizer for crops, soil improvement, and greening maintenance, etc.

(Sources: These data and information are gathered from Anji County Government Website, on-site interviews and observations.)