

Review of: "Socioeconomic Impacts of Hybrid Pico Hydro-Solar Generation System Implementation in Sitio Singawan, Barangay Umiray, Municipality of Dingalan, Aurora, Philippines"

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Potential competing interests: No potential competing interests to declare.

Please see the uploaded document, which is a series of edits to the paper.

The subject of the paper is a research and extension program focused on establishing a hybrid hydro-solar generation system in Sitio Singawan, a village in the Philippines. The objective is to improve living conditions by making electricity available to villagers.

The method depended on benchmark surveys, needs assessments and site visits to collect data. The focus was the community's socioeconomic status and electricity needs. Then a Pico hydrogeneration systems was constructed followed by a solar powered electricity system. An important aspect was training for the community on assembly, operation and maintenance of the system.

The findings were that the system successfully provide the electricity for about 40 households. There was improved lighting, and low-powered appliances like TVs and fans. This both enhanced productivity and provided more comfortable and safer living conditions. Children's educational opportunities were enhanced because lighting was available in the evening.

The research demonstrates the short-term viability of implementing renewable energy systems for rural electrification. This is a common observation in remote locations in the developing world. The challenge is to have a well-designed system that can adapt to the increasing demand for electricity in the future. It would be interesting to see how the Sitio Singawan community rises to this challenge in the years ahead. This a key component of sustainability of the community.

There is a problem with estimating the rate of return. I have corrected this in the attached document. There are some other wording changes.