Action project Description TP

**?** What are the problems with energy in villages || any record of green energy exists || issues with green space

\*\*proof/research question /proof of improved needed/plan to improve/ expected results/ use graphs/Graphics to show things\*\*

>>> Research and Action Plan made so far-

Renewable energy research(TP AP 51-34), Engineering and Environmental aspect:-

## Designing a Hybrid source of green energy: Bio gas from pig manure(AP 51-31) and solar energy(AP 57-01).

# 3 part action project

\*Solar energy for communication improvement

\*Bio gas for local energy supply specially for water system.

For example A water system for a village giving water to houses as a group living near to each other. The power derived from **Bio gas** will be employed to drive the water system. We can make few water stations in a village where people can go and have fresh drinking water.

>>> designing a bio-gas production system

@` numerous number of Pigs in Fiji (https://www.fclc.org.fj/fiji-pig-farmers-association/)

Communication improvement via green energy

*As a part of* **renewable energy** we can make solar stations powering up com stations to spread emergency news across koro(s) or locally.[**Design part**]

Therefore, Solar power operated communication will facilitate radio communication consistent.

@Potential of Solar energy in fiji(https://ars.els-cdn.com/content/image/1-s2.0-S240584402201249X-gr9.jpg)

\* portable solar power plant and hybrid solar system do already exist in Nadi town and Teveuni island [*hybrid solar system & off grid system*]

\* Another fold of Solar energy would be to feed light up green spaces made near to the solar stations for recreation and fun visit.

\*\*\*Solar-powered off-grid system in solar stations

Through off-grid solar system, each solar station will charge up the batteries that will provide backup during the night, and cloudy days. Part of the solar energy will be used for instant charging for solar panel-operated radio phones. There would be multiple phones obviously. #com issue improved!

\*\*Application: Intra and inter-village communication, Alert communication for coastal areas.

\*\*Environmentally: Lighting up the Green spaces around the stations

=>Fijian *enterprise engagement program*/project expected in both cases.

=> Mail *Chimp Recommendation*:

~Purpose of Mail Chimp(AP12-02):conservation and awareness towards nature and education.

Mail Chimp needs to get a wordpress and give access to volunteers. Volunteers will create their own content and create the pages and send to the admin to publish it.

——AT the END of AP:

# I want to send Mail chip my content (AP in compact brief) and they can publish it when they are ready or I can help them to do so.

# publish my work somewhere ,from where Partners will consider the work to make into reality.

# Take away from this action project>>>

Building Young enterprise engagement program

Improved shot and long distance communication system

Using solar energy and pig manure to fuel up power crisis in Fiji

>>>Why more green space is required in Fiji villages?

@Proof: No always there are rural parks (<https://worlds.guide/places/tsunami-assembly-area-safe-zone-parks-gardens-green-spaces-suva-fiji>) (<https://www.fijiyp.com/company/1947/Green_Space_Co_Ltd>) && only 6 national parks are there in Fiji

Children park or play ground are lacking in main land areas in villages [Discuss the actual scenario with mentor/local ]**`**. Resorts have some sort of areas but in main lands is there any proper park/eco-space for children. This idea of creating green spaces in the villages will give a green space for children as well as adults to relax and for recreation. It will add beauty elements to villages additionally.

———Q to discuss?**`**

1. in water system design should the water needs to be drinking?

2. Are pigs very common in Fiji/ in farms?

3. How to connect with Mail Chimp?