

Proposal for discussion at Goolawah General meeting.

### **Solar at Camp Kitchen.**

The present system at the camp kitchen is now a few years old and is in my opinion inadequate for purpose.

It has only 2 hours of very limited available power.

Solar panels are now very cheap and Lithium Phosphate batteries are a huge improvement on the old Lead Acid batteries.

Panels can be mounted flush with the roof on both the East and West sides of the building and will provide plenty of power at all times of the year.

( My own system is done this way and works extremely well)

For a budget of under \$5000 dollars we can have a system that can run Electric kettle, toaster, and other kitchen appliances.

It can also run a proper water pressure pump instead of the noisy 12 Volt pump now used.

It could also power an electric water heater that would provide hot water for the sink and to the new shower that is being built. It would reduce gas useage, improve convenience for residents and visitors.

It would provide adequate power after dark to run everything including the lights and stage amplification without the need to run a generator.

I am a qualified electronic engineer and have plenty of experience in Solar electricity and Solar hot water but I am not a licensed electrician or solar installer and am too old to be climbing ladders.

I would only act as a consultant free of charge.

The attached annexure provides more technical details and a suggested list of equipment.

Please pass this information around at the meeting.

I am unable to attend the meeting in person.

Regards  
Keith Leech