

## ***Chapter 6: ENERGY GENERATION***

The energy requirement for this development at full capacity will be met by the use of renewable energy in the form of small solar for water heating and other electrical needs will be met by the use of diesel generators.

The use of diesel generator will incur a high cost, but energy generation alternatives, due to the magnitude and location of the project are limited.

### **6.1 Impacts Associated with Energy Supply**

The environmental impact associate with the generation of electricity by means of diesel generators are noise, air emissions, fuel spills and aesthetics.

To reduce the impacts associate with noise, the generators will be placed within an enclosed area located away from any resort unit. Fuel and oils used for the generators will be stored in a contained and sheltered area. This contained area will have constructed a small oil/water separator. In regards to emissions, this will be reduced by ensuring that the generators are service on a regular basis to ensure efficiency.

### **6.2 Cooking Fuel**

Fuel such as butane and propane used for cooking and refrigeration will be stored using recommended national standards, primarily being in 100 lbs and 250 lbs tanks. The installation and maintenance ranges, furnaces and heaters and piping will be done by a suitably qualified personnel.

The transportation of butane and propane mixtures will be by boat and shall comply with the necessary conditions from the relevant agencies. These will include the proper fastening of tanks to avoid movement of tanks while the vessel is moving.

### **6.3 Fueling Facility**

The small marina docking facility will not provide any fueling service.