The Evergen Home

The “evergen home” illustration has to graphically show a number of Energy Generating and Energy Saving systems that can be installed inside or on the house, with a cut away of how they will look when they are connect to appliances inside the house. There will be two illustrations. The First illustration will be of the complete house showing the things that are installed externally **wind turbine attached to wall**

**Solar Thermal** panel on roof

**Solar Electric** panels on roof

**Heat Pump**

**BioMass boiler**

The second will be the same house but with “cut away” showing inside the roof and inside the house where you can see other Energy Saving and Energy Generating systems. Each system has to be shown as it would look installed and connected to its components.

**Solar Thermal** – is just ONE panel which goes on top of the roof and will have cold & hot pipes and a hot water cylinder located in the store room/utility room as shown in theimage

**Solar Electric** – is a number of panels (8-16 but you can show just 2 or 3 in the illustration) which go on top of roof and has an **Inverter** which is installed in the LOFT and connection to the electricity Meter

**Micro CHP** – this is a boiler and is installed inside the kitchen with pipes to hot water cylinder and electrical connection to the electricity Meter

Heat Pumps – will sit on the floor against an outside wall with electrical connection to the Meter

**BioMass boiler** – will sit on the floor against an outside wall

**LED lights** – these are on the ceilings of the rooms

