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Solar energy is not only environment friendly it is also economical to use. It may be possible to reduce the entire cost that one pays for oneâ€™s electric energy. At any rate, since the utility prices keep rising every year one can beat this by going solar. Solar installations add value to oneâ€™s property without simultaneously increasing the property taxes. Especially, the use of solar energy in Arizona presents a win-win situation since there are both state and federal incentives if one used solar energy. This incentive may be as high as 80% of the cost of the system that one has to buy. Further, the technology is proven unlike some of the other renewable sources of energy such as geothermal and wind energy. To all this if one adds the fact that solar panels used in solar installations are supported by a warranty over a 25 year period, it becomes economically very viable to switch to solar energy for both residential and commercial use.

Premier companies involved in setting up installations using solar energy in Arizona use solar or photovoltaic cells that are integrated in the form of arrays on solar panels. These arrays of photovoltaic cells convert the sunlight into DC source of energy. The DC source is used to charge banks of batteries. There are power convertors that change the DC into AC source. This AC source can be used for running or powering any electric appliance and is therefore connected to the utility grid. Itâ€™s possible that one is unable to use all the solar energy thatâ€™s incident on oneâ€™s solar pa such a case thereâ€™s the facility of net metering. This facility allows the homeowner to earn credit points proportional to the surplus solar electric energy that has been fed to the utility grid.

The use of solar energy Arizona encompasses cooling and heating using solar installations besides distillation and disinfection of water to make it potable and solar cooking as well as other industrial and domestic purposes. Professional companies that set up solar installations in Arizona also provide turnkey solar solutions for individual clients. These solutions are comprehensive and cover all activities from system design till the installation. Annual maintenance is also provided.

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