**TECHNICAL TERMS – GREEN ENERGY CAREERS**

Career – An occupation or profession, especially one requiring special training, followed as one's lifework: He sought a career as an engineer.

Energy - Is the capability of a physical system to perform work. It exists in several forms such as heat, kinetic or mechanical energy, light, potential energy, electrical or other forms.

Biomass Energy - Is a renewable energy source. It is organic material made from plants and animals; contains stored energy from the sun.

Geothermal Energy - Is a renewable energy source. Is heat from within the Earth. The word geothermal comes from the Greek words geo (earth) and therme (heat).

HydroPower Energy - Is a renewable energy source that produces the most electricity in the United States and accounts for 6% of total U.S. electricity generation and 67% of generation from renewables in 2008.

Petroleum Energy - Is a non-renewable energy source. It is gasoline, diesel fuel, and propane. Most gasoline is made from crude oil, formed from remains of plants and animals (diatoms) that lived hundreds of millions of years ago. Diesel fuel is used in diesel engines found in most freight trucks, trains, buses, boats, and farm and construction vehicles. Propane is an energy-rich gas that is found mixed with natural gas and oil.

Solar Energy - Is a renewable energy source. It is the sun’s rays (solar radiation) that reach the Earth. It may be converted into other forms of energy, such as heat and electricity.

Wind Energy - Is renewable energy from the wind caused by moving air masses. The movement is caused by temperature and pressure differences in the atmosphere, which are tied to the non-uniform distribution of solar heat.