

 Fission reaction of uranium in nuclear power plants into a very high degree of energy to provide the heating of water vapor. Nuclear power plants convert the energy released from the nucleus of an atom via <u>nuclear fission</u> that takes place in a <u>nuclear reactor</u>. The heat is from the reactor core by a cooling system removes heat and used to generate steam which drives a <u>steam turbine</u> connected to a <u>generator</u> which produces <u>electricity</u>.