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A New Look of Alternative Energy

The purpose of this experiment was to show that a variety of alternative energies working together could generate electricity. To conduct this experiment I built a geoexchanger out of aluminum tubing and TEGs (thermal electric generators). I placed six pipes in a five foot trench to run a geothermal system. Thermometers were placed in the geoexchanger to measure the temperature of incoming fluid. The fluid from the geothermal system, a 150 foot loop above the ground and another source of hot water were run through the geoexchanger. The temperature differentials in the different levels of the geoexchanger generated electricity. The value of amps and volts were recorded. I was able to achieve consistent readings over extended periods of time. The readings recorded allowed the calculation of the electricity which my system could generate. I was able to run three 12 volt fans and generate 12.71 watts continuously. The beauty of this plan is that the heat from the different systems being used to generate electricity is actually a waste heat. The pumps to move the fluid through the geoexchanger are already in place for the geothermal and other systems to function. No additional energy output will be needed to operate my geoexchanger. Just place it in line on a current system of alternative energies. The results indicate that a geothermal heat system installed in a building and working with other energy sources can generate electricity.