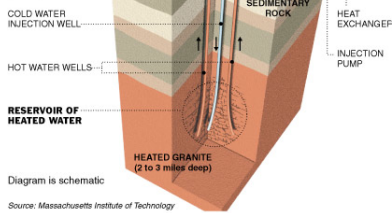
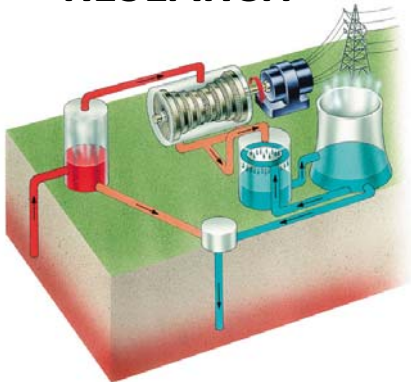


Energy From Granite

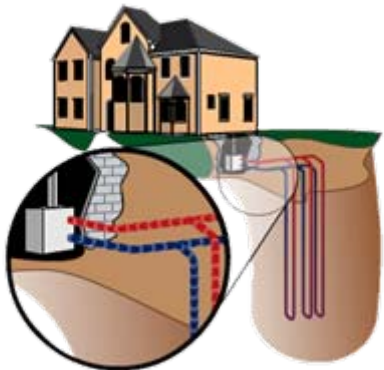
One technique to create electricity involves water pumped down into deep hot layers of rock miles below the surface, which is then used to run a power plant.



RESEARCH



PRODUCTION



CONSERVATION

ENGY350. INTRODUCTION TO GEOTHERMAL ENERGY (II)

Geothermal energy resources and their utilization, based on geoscience and engineering perspectives. Geoscience topics include worldwide occurrences of resources and their classification, heat and mass transfer, geothermal reservoirs, hydrothermal geochemistry, exploration methods, and resource assessment. Engineering topics include thermodynamics of water, power cycles, electricity generation, drilling and well measurements, reservoir-surface engineering, and direct utilization. Economic, environmental social considerations and case studies are also presented.

Prerequisite: ENGY200. 3 hours lecture, 3 semester hours.



ENVIRONMENT

Contact Prof. Masami Nakagawa:

mnakagaw@mines.edu

Office: BB211; 303-384-2132



FIELD TRIP