

President Carter, in his energy speech last night, did not mention the prominent role that geothermal energy can play in solving the nation's energy crisis. The U.S. Geological Survey estimates that about 2400 Quads of energy exist in geothermal systems. A quad is a quadrillion (1 followed by 15 zeros) BTU's. Present U.S. consumption is about 80 quads ^{per year}. This estimate means that 95,000 to 150,000 megawatts of electricity might be produceable from geothermal water, and at least 230 to 350 quads of energy for direct heat applications might be available.

Geothermal energy is presently being used in many areas of the U.S. Geothermal water and steam, with a temperature above 400°F, may be used ^{instead of nuclear or fossil fuels} of fuel oil to generate electricity. At the Geysers area ^{North San Francisco, Ca} of California, 608 megawatts of electricity are produced from natural steam. This is more than enough to meet the electricity needs for a city ^{of 600,000 people} the size of San Francisco. Moderate and low temperature geothermal water may be used instead of fuel oil and natural gas for direct heat applications such as industrial processing and space heating. ~~The~~ Klamath Falls, Oregon, Boise, Idaho, and Reno, Nevada ^{are 3 cities} geothermal waters ~~are used~~ for direct heat applications.

Here in _____, the _____, under _____ is conducting a _____ survey to assess geothermal resources.

- 1) list progress
- 2) list areas
- 3) list present uses
- 4) close with positive statement on importance for each state

- 5) what's new
- 6) immediately
- 7) news clippings
- 8) local papers
- 9) congressional staffs