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thus in the past few years geothermal energy producers have watched booms in wind natural gas and solar while their favored power source remains dormant globally though there is some action with the international market growing at a sustained rate of 4 to 5 according to the 2014 geothermal energy association report, a guide to geothermal energy and the environment - reliability of geothermal power generation the source of geothermal energy the earth's heat is available 24 hours a day 365 days a year solar and wind energy sources in contrast are dependent upon a number of factors including daily and seasonal fluctuations and weather variations, history present utilization and future prospects bgr de - history present utilization and future prospects of geothermal energy worldwide john w lund president international geothermal national geothermal contributions country region capacity energy tibet 30 0 30 0 space heating increased 50 past 5 years, coalbed methane hazard of the past energy for the future - 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