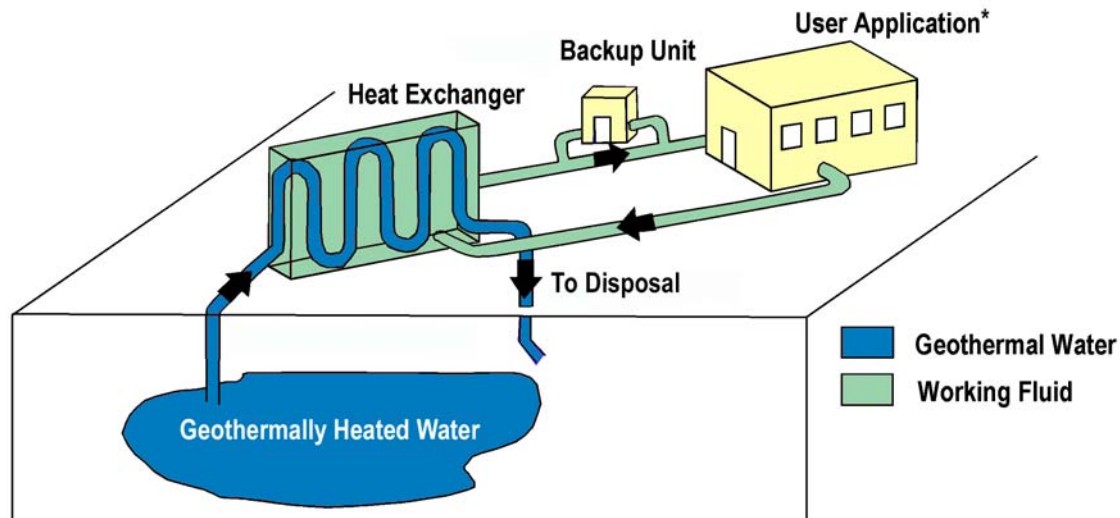


An Example of Direct Utilization of Geothermal Heat



For many direct uses of geothermal heat, hot water is pumped from fairly shallow sources. The heat may be transferred to a “working fluid,” which could be potable water or even air, using a heat exchanger. (In other cases, such as aquaculture or spas, the geothermal water might be used directly, without a heat exchanger.)

*The “user application” could be a dehydration unit for fruit, vegetables or fish, such as the one illustrated below. Heat would be delivered at point #5, the “heater,” which is a heat exchanger. In this illustration, hot geothermal fluid or heated potable water would enter the heat exchanger, and the fan would blow air across it, heating the air, which is then used to dry the produce. The arrows show the path of air flow.

