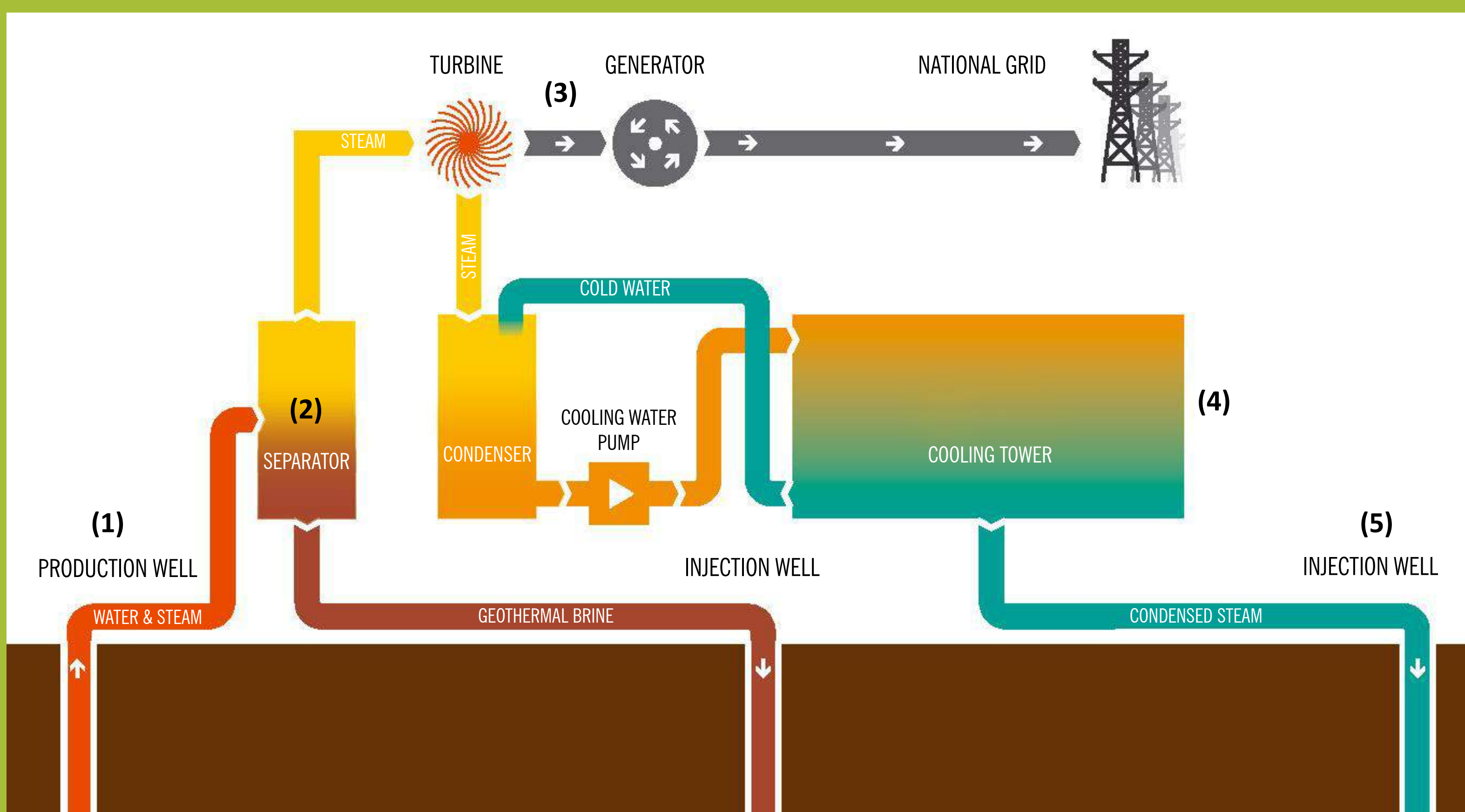


# Renewable Energy

## Geothermal Power



This plant generates electricity from renewable geothermal fluid deep beneath the earth's surface. Highly pressurised fluid is brought to the surface by wells (1) that vary in depth from 2 km to 2.5 km. At the surface, this fluid is separated into two streams (2): one of steam and the other of "geothermal brine", which is injected back into the ground. The steam drives a turbine to generate electricity (3), and is condensed and cooled (4) before it is injected back into the ground (5).

Nga Awa Purua Power Station  
 Joint Venture of Mighty River Power and Tauhara North No. 2 Trust  
 Photo and diagram courtesy of Mighty River Power

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