

# unique use of geothermal energy

Novotel Lakeside and Hotel Ibis Rotorua take environmental issues very seriously. There is a unique and important relationship between the local geothermal activity and some of the energy sources used by both hotels.

The Hotels do not use any boilers, rely on diesel, coal, petrol, gas or electricity to run their hot water and heating systems. Instead, natural resources are used which in no way harm our environment, are pollution free and more importantly, are sustainable.

There are three bore holes located on our property which are used to supply geothermal fluid from underground into the hotels' plant room. The temperature of the geothermal fluid is in excess of 120 degrees Celsius when it runs through heat exchangers which heat town water for use in the all guest rooms, laundry, kitchens and the Royal Spa area.

Once used the geothermal fluid is returned to the bore to be recycled back into the environment it was taken from. This is a truly remarkable and unique way of using a renewable energy source without any impact on our precious environment!

The diagram below is an outline of how it all works. Please do not hesitate to let us know if you are interested in any further information.

