

# Torrens Energy joins the hot rock hunt

**H**ot rock geothermal energy is a highly specialised field with unique research and development issues. To address these issues, Torrens Energy Ltd has secured the services of a management team and technical consultants that are both experienced and competent in the geothermal energy field.

The company has attained 15 Geothermal Exploration Licences (GELs). The GELs cover an area of over 7,200 square kilometres of the highly prospective region known as the South Australian Heat Flow Anomaly (SAHFA). The potential to have the high temperatures required for geothermal energy in the Company's GELs has been independently verified by temperature modeling, to a depth of 5,000 metres, at selected locations.

Torrens Energy Ltd was listed on the ASX on 30 March, 2007. A significant proportion of the funds raised from the float will be applied to a shallow drilling program, with depths approximately of up to 400 metres. From the data collected it will be possible to identify whether a viable heat source exists at depths up to 5,000 metres. Once the company has identified suitable heat source targets, it intends to seek further capital to engage in a deep drilling program to access and prove the actual heat source.

A key aspect of the generation of geothermal power is that it is an 'indigenous energy source'. That is, it is not easily transportable and must be accessed and used at the source. The national power grid runs through, or is adjacent to, all of Torrens Project areas, with major

roads, towns and the City of Adelaide all nearby. Torrens' tenements are very close to markets where substantial power is in demand – a demand that will increase in the future. The company's coastal locations also add to its prospectivity with the potential to use seawater as both a production fluid and coolant for plant efficiency.

Geothermal energy has a massive advantage in that it has no fuel, no emissions, and no waste products. The state and federal governments are all supportive of hot rock geothermal development in Australia, so the sector is optimistic about the regulatory and facilitatory regimes that are to be implemented in the future.

It is also very important to note that hot rock geothermal energy poses no threat to other energy sectors in Australia. The coal and gas sectors will not be scaled back or dismantled. And should new power sources be utilised in the future, such as nuclear, the introduction of geothermal energy will not affect them either. Geothermal is seen by Torrens Energy as one part of a diverse sustainable energy future in Australia. Being baseload, geothermal has the potential to help reduce risks in the push for future energy security.

Torrens Energy has the ground, the corporate and technical experience and expertise to succeed. The company has entered the energy sector at a time when there are two desperate drivers – a need for clean energy and a very immediate need for additional secure energy supplies.