



Investor Briefing Note: Enhanced Geothermal Systems

What is an Enhanced Geothermal System (EGS)?

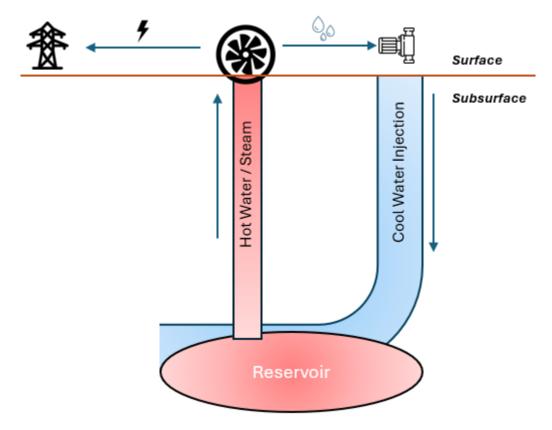


Diagram 1: Modern EGS Project

- Enhanced geothermal systems introduce water to the hot and dry reservoir
- The cool water is injected down through the injection well where it interacts with the hot dry reservoir and builds pressure
- As the pressure and heat of the fluids increase, they are channeled through the production well and brought to the surface
- At the surface, the steam spins a turbine to generate electricity and as the steam cools the newly cooled water is then re-injected back into the injection well to repeat the cycle

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Recent Developments in Enhanced Geothermal Systems

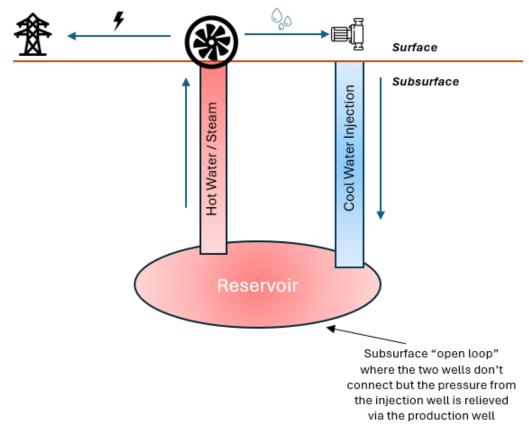


Diagram 2: Older EGS Project

- Historically, most enhanced systems relied on only the vertical drilling of the injection well
- This resulted in less interaction between the cold fluids and the hot dry reservoir, seeing less pressure and heat build up (see Diagram 2)
- Horizontal drilling enables more surface area contact between the cold fluids and the hot dry reservoir, allowing for more stimulation and the generation of more heat and pressure
- While horizontal drilling has been available for over 80 years it has only recently reduced in cost by over 70% along with its accuracy greatly increasing

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How does EE1 benefit from these advancements in EGS?

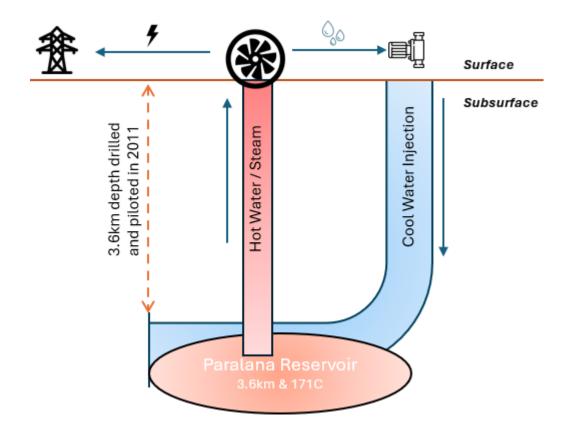


Diagram 3: EE1's EGS Project

- EE1 has Australia's most advanced EGS development project at Paralana, South Australia
- When drilled and tested in 2011 only vertical wells were used, like those in Diagram 2
- EE1's project potential stands to be greatly increased by developing Paralana with modern developments in horizontal drilling (see Diagram 3)
- Paralana's project performance and feasibility is potentially greatly improved by applying, for the first time, modern EGS developments such as horizontal drilling

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Key summary points

What is EGS?

Enhanced Geothermal Systems (EGS) are where fluids like water are newly introduced to a geothermal reservoir to increase the heat and pressure brought to the surface

What's changed?

Horizontal drilling increases heat and pressure build up in the reservoir by increasing the surface area of cold fluids interacting with the hot dry reservoir

What does this mean?

It means that
projects likes those
held by EE1 have the
potential to be
greatly improved by
the use of modern
EGS methods like
horizontal drilling

What's next?

the adoption of modern EGS methods for its Paralana project and all other projects areas like those in its Flinders West project area





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