

..... **Natural Geothermal Systems**

To generate power from natural geothermal systems you need:



Abundant heat
found in rocks at
depth

+



Fluid to carry heat
from the rocks

+



Small pathways to
conduct fluid through
the hot rocks

..... **Problem**

Despite the presence of heat, sometimes conditions are not ideal
for power generation from natural geothermal systems.

In these cases you have:



Abundant heat found
in rocks at depth

+



Insufficient fluid
to carry the heat

+



Limited pathways
to conduct fluid

ENHANCED GEOTHERMAL SYSTEMS

..... **Solution**

A man-made enhanced geothermal system (EGS) can extract the abundant heat resource
tens of thousands of feet below the surface and put it to good use. This would require:



*What
makes EGS?*

=



An abundant,
previously-stranded,
heat source

+



Fluid injected from
the surface

+



Permeable pathways
enhanced by injected
fluids

**With an enhanced geothermal reservoir, you can generate power
anywhere with hot rocks at depth!**