



# Indicative A response

## Messages in text

Year 8

English

## Section 1. Nonlinear narrative

### Terry's blog

**Terry Posted May 16 2007**

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Great idea. We should write up a petition and get as many friends as possible to support our ideas. We could send these to our local member and newspaper. We should start by sharing our hot rock findings with our classes at one of our Year level meetings. I think what we have to share will surprise them, don't you? Let's get started by first meeting with our principal. This will help get all the right people on side and we can go from there.

**Molly Posted May 13 2007**

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Wow... do you have shares in a geothermal company or something? I think we should write a letter or something to our politicians ...don't you? How come the government, media or university experts are not educating or talking this up a bit with the public?

**Terry Posted May 11 2007**

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.....pleased to hear you are seeing the light now or should I say heat? Did you know that geological studies show there are several zones that could be tapped for steam generated power? Can you believe enough clean hot rock power is available to supply 7500 years worth of Australian energy consumption at current levels of use? This fact blew me away. What do you think?

80% of all the places identified can access this energy source are located in the Eromanga Basin. This basin covers the north eastern corner of South Australia and the south western corner of Queensland. That is right at our door step!!! Getting water there to generate the steam may pose a problem but this seems minute compared to the huge amount of damage being caused to the worldwide environment through greenhouse gas emissions. Pretty frightening when you look at China's and India's growing economic boom not to mention Australia's and USA's spiralling carbon emissions.

I think there are some viable options emerging for alternative energy. I guess it takes money making opportunities or incentives to motivate someone to develop alternative models. It is amazing our government does not 'know' about or acknowledge these advances, choices and options. Why haven't the public learnt about this earlier? Politicians have talked about Kyoto protocols for 11 years but have done nothing but sell and use coal.

Molly don't you think there is a clear leadership problem? No responsibility has been taken to set up long-term alternative energy visions for Australia. It seems all that is being done is to sell our pollution-causing coal to the world and we still use coal powered generators to supply energy across 80% of Australia. Hello, has everyone missed the plot here?

Time is running out. We will all have water frontage houses in a decade if things do not change. What about the poor nations who are just above sea level now? Not to mention the extinction rate of 40 % of aquatic and land species with just a 4 degree increase in ocean temperatures.

Molly, look at the link below for more information.

#### Links

Nova Science in News: <[www.science.org.au/nova/046/046sit.htm](http://www.science.org.au/nova/046/046sit.htm)>

**Terry Posted May 10 2007**

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Thanks for the information. Checked out the information sites and they are believable, interesting and could work. There is more to this Hot Rock stuff than what meets the eye. What else do you have? Using the earth's temperature to generate steam-powered stations sounds cool ... if you know what I mean.

**Terry Posted May 9 2007**

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Hey you asked for it ... just to let you know more about Hot Rock geothermal energy.

It is produced using heat extracted from buried Hot Rocks (like granite 5 km deep) and, by circulating water through an engineered, artificial heat exchanger, steam is produced. This process uses the earth's natural heat energy and is a massive source of renewable energy, CO2 emission free. It actually generates electricity through steam-driven turbines. The water, when heated by Hot Rocks, turns into steam which then powers the turbines. It's just like hydro electricity but instead of using water it uses steam. Almost emission-free energy!!

When you get time check out these two sites for information and scientific facts. I will be interested to chat after you read them.

#### Links

Radio National Interview: <<http://www.abc.net.au/rn/science/earth/stories/s1135215.htm>>

ANU Reporter:<[http://info.anu.edu.au/mac/Newsletters\\_and\\_Journals/ANU\\_Reporter/\\_pdf/vol\\_28\\_no\\_06/hotrock.html](http://info.anu.edu.au/mac/Newsletters_and_Journals/ANU_Reporter/_pdf/vol_28_no_06/hotrock.html)>

**Terry Posted May 9 2007**

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Hot Rock energy! Where did you get this from? How can this work in Australia where there are no colliding tectonic plates or hot spots like the Kiwis have?

Tell me more ...

**Terry Posted May 4 2007**

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Hey Molly have you heard about the new Hot Rock energy idea last weekend? Sounds like a new type of party food doesn't it! Seriously, I think this is a good option. What with a push for more solar energy combined with carbon trading, we are finally turning the corner in fixing global warming. I think the nuclear option that the government is considering now is a real problem and could be a short-term fix, short-term wealth but long-term disasters. Costly – produces lots of non-degradable waste and is a worse option than the CO2 emissions of coal.

## Section 2. Formal text transformation

Highest Hill SHS  
PO Box 2002  
Brisbane Qld 4000

20 October 2007

The Honourable A Bligh  
Premier of Queensland  
Level 15, Executive Building  
100 George Street  
Brisbane Qld 4000

Dear Ms Bligh

Our names are Terry and Molly and we are Year 8 students attending Highest Hill State High School. This letter has been written to you and your fellow politicians to seek your leadership to develop cleaner energy alternatives and choices such as Hot Rock technology to replace our state's high carbon-emitting, coal-powered energy stations across Queensland.

Over the past month we have carried out extensive research into Hot Rock technology. We have found it provides a genuine alternative energy source for Queensland. Extensive investigations and tests were carried out by the CSIRO across the state. They have reported that this CO<sub>2</sub> emission-free energy source is viable and provides a genuine alternative that could replace our current coal-powered option. Australia's ideal Hot Rock location is just 400 kilometres west of Brisbane in the Eromanga Basin. This is an ideal place to draw upon energy with minimal impact on urban areas.

Hot Rock technology actually generates electricity through steam-driven turbines. The water, when super heated by hot rocks deep under the earth's surface, turns into steam, which then powers turbines. The principle is the same as hydro-electricity, but instead of water it uses steam. This is one of the lowest energy emission sources. We can't afford to ignore this important information.

We both feel it is important that the Queensland Government develops new alternative sources of energy, enabling the community to have a choice and respond in an ethical and socially responsible manner. By doing this, we as a state can reduce our greenhouse emissions. The benefits that Hot Rock clean energy generation can bring to communities are clear.

We hope to hear from you soon concerning the Hot Rock Technology proposal.

Yours sincerely

Terry Iverson and Molly Aquilina