

10-12-07
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To
Attn: Cheryl Samuels, Parliament House Sydney
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Submission to: Standing Committee on Resource Management

I am a retired engineer and an active member of "Clean Energy for Eternity-Snowy Mountains". I am very concerned about Climate change and the small amount of leadership and action shown by our governments. I would like to make the following submissions:

ENERGY

1. Not mentioned in your request for submissions in our local paper were our extensive sustainable resources of sun and wind. The use of this for energy requires a high priority.
2. Power from wind and solar needs storage. This can be done by producing hydrogen and using it at a later time to produce electricity or run vehicles etc.
3. Water storage both present and future should be used, to the maximum possible for the storage of excess renewable energy. Some of the existing pumped, energy storage systems are inefficient and should be replaced.
4. Solar power should be used to the maximum possible extent to provide power for the summer air conditioning load.
5. As old growth forests take up more carbon than new plantations there should be no more wood chipping and no more logging of the old growth forests.
6. Energy use must be reduced as far as possible by education, regulation and a carbon tax.
7. Inefficient coal power stations should be replaced with gas fired stations. These should be located near where power is being used and where the waste heat produced can be utilized.

SUSTAINABLE HOUSING & COMMERCIAL BUILDINGS

I have been the owner builder for two earth houses and the recent renovation of a concrete block house. The second earth house built in 1990 was built on passive solar principles facing north and with heavy stone and mud brick walls together with an earth floor on the inside. This was wrapped with 50mm of foam insulation. Windows were double glazed. With a minimum outside temperature of

minus 15 degrees Celcius and a maximum of 30 and no additional heating or cooling the temperature inside varied from 12 degrees to 24 .

1. All new buildings and renovations should be built with the heavy stuff on the inside, then thick insulation and then an impervious layer. No more brick veneer.
Existing buildings should be retrofitted to the maximum extent possible.
2. All material from demolishing should be recycled.
3. BASICS: My understanding is that the present regulation is not strong enough and that in some cases they cause more use of energy.
I think we need different rules for different temperature zones.
- 4 All hot water should be provided by solar with minimal boosting by gas.

I thank you for the opportunity to present some of my views.

Yours sincerely



J P Edmondson