

From: [Bruce Hansen](#)
To: [SENR Exhibits](#)
Subject: SB 1530
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Even though, my wife and I installed a 4-kilowatt system of photo-voltaic solar panels on our roof and 5000 feet of underground tubing for our geothermal heat pump, I'll have to admit that I am beginning to think this whole "climate change issue" is being way over-hyped, especially when it comes to the effect of "man-made carbon emissions".

We know that the earth's climate is constantly changing and that there are many factors that influence this change that have nothing to do with the activities of mankind, such as ... volcanic activity, variations in solar activity, naturally occurring wildfires and forest fires, natural climate cycles, variations in the earth's polarity, perhaps even meteor activity, to name a few.

With that in mind, there are questions that I have not been able to find the answers to. For example:

1. What percentage of the change to the earth's climate is due to man-made carbon emissions? Is it 50%? 10%? 1%? 0.01%?
2. Is our current worldwide climate optimal?
3. Is any change to our climate necessarily a bad thing?
4. If any climate change is bad, and the earth were in a natural cooling cycle, should we try to increase carbon emissions, **if** we thought it could reverse the trend?

As a high school math teacher, I'm used to having numbers, figures and justification to answer student questions. But I've never seen answers to these, and other, similar questions. And without specific answers, it's very difficult to logically justify "Cap and Trade" legislation.

Sincerely,
Bruce Hansen