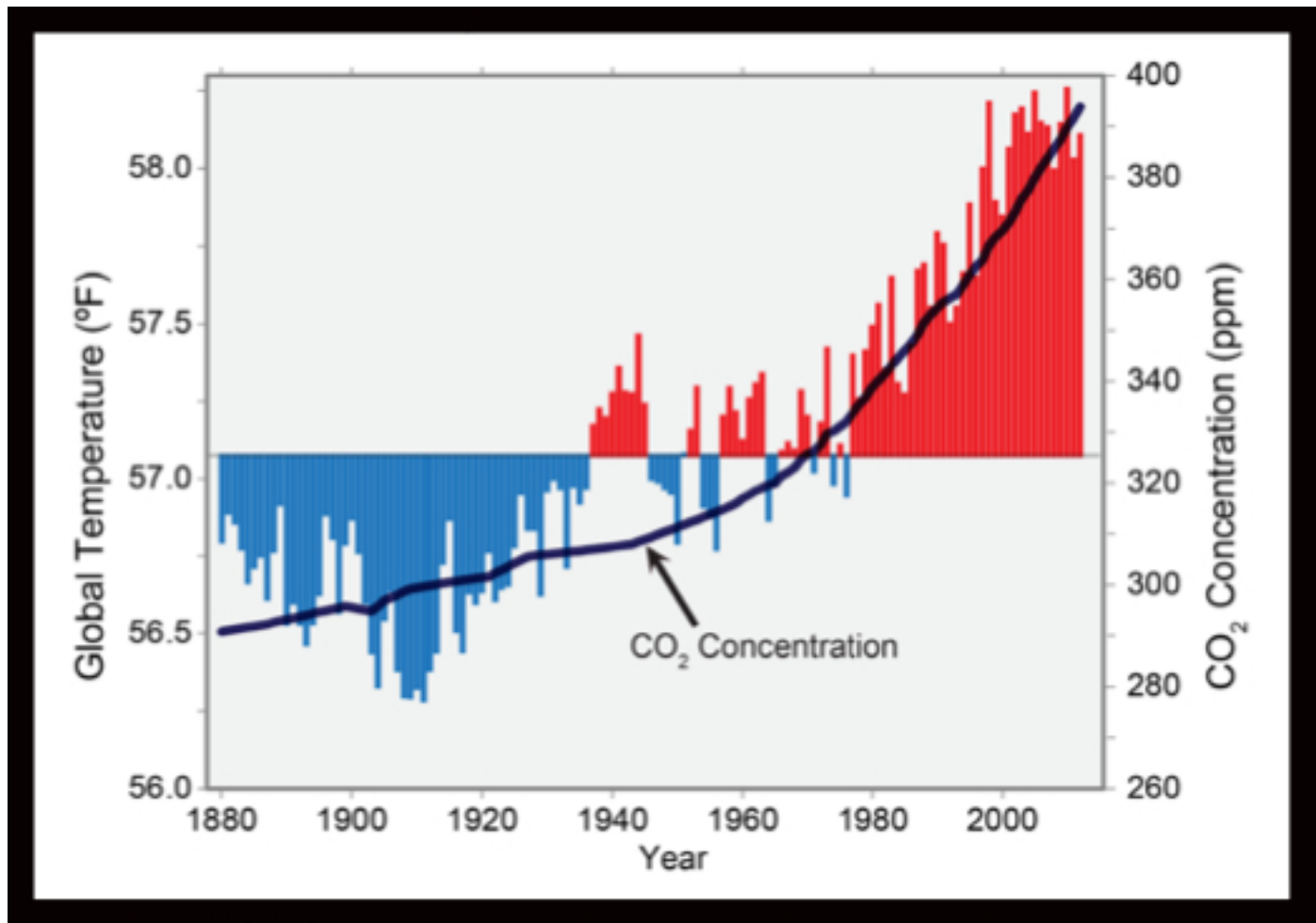


To my friends and colleagues:

The National Climate Assessment (NCA) issued a few days ago **MUST** be parsed sentence by sentence, as true statements and assessments are interlaced with those that are (at best) misleading.

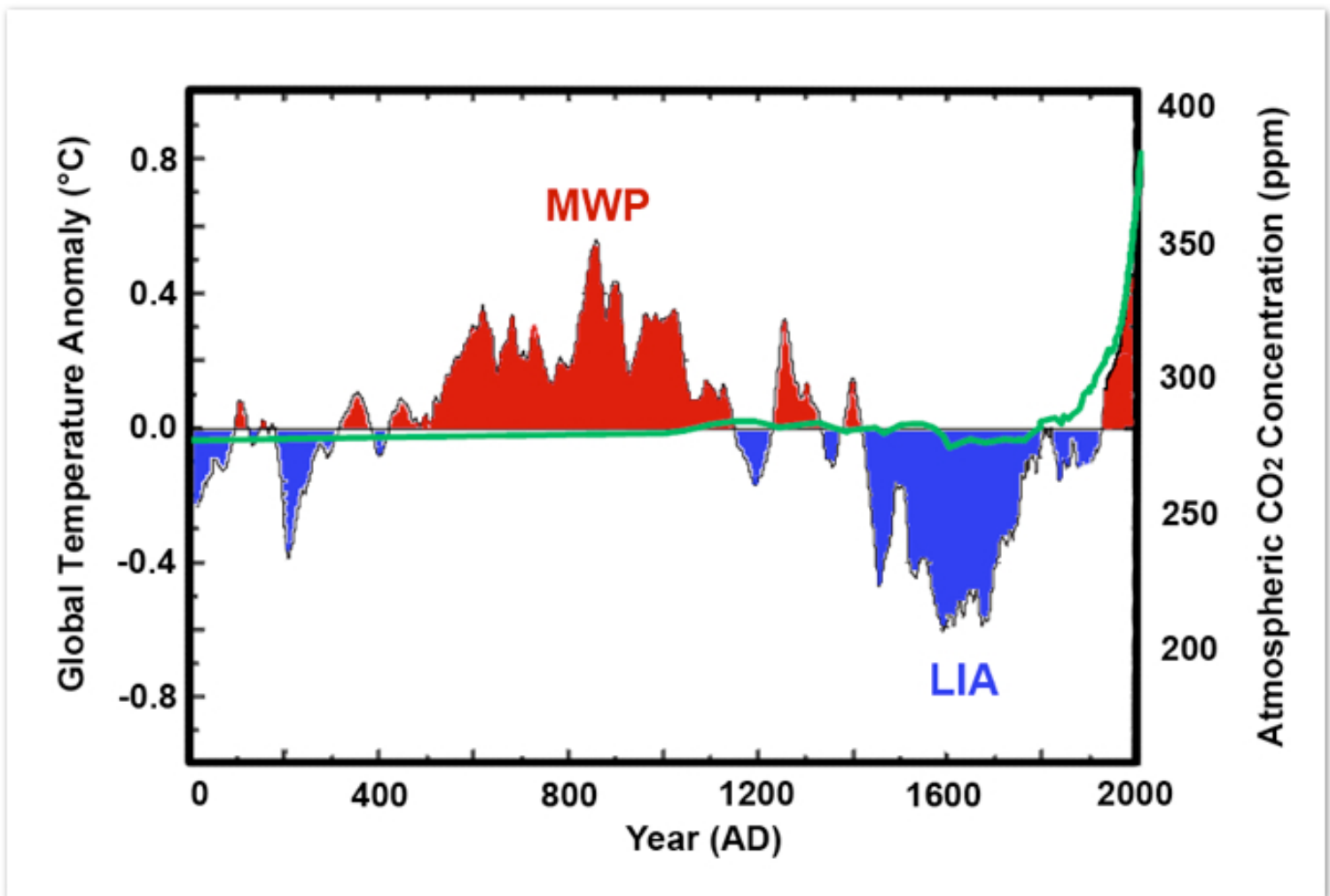
Here's just one example:

This chart below shows up on page 23 of the NCA report:



Rising CO2 concentration is juxtaposed with rising temperature, and there is a clear implication that CO2 drives temperature. Did CO2 increases after 1880 pull us out of the "Little Ice Age," a cold period that began in earnest around 1400 and ended early this century? The page 23 NCA Report diagram shows correlation, and implies causation.

Now lets take a look at a longer time period, that WASN'T shown on the above NCA page 23 diagram. Below is the data for the last 2000 years. The downward pointing arrow shows where the above NCA chart begins, as it is just a subset of the whole 2000 year period.



The mean relative temperature history of the earth (blue, cool; red, warm) over the past two millennia - adapted from Loehle and McCulloch (2008) - highlighting the Medieval Warm Period (MWP) and Little Ice Age (LIA), together with a concomitant history of the atmosphere's CO<sub>2</sub> concentration (green).

Loehle, C. and McCulloch, J.H. 2008. Correction to: A 2000-year global temperature reconstruction based on non-tree ring proxies. *Energy & Environment* 19: 93-100.

Source: <http://nipccreport.org/articles/2010/dec/22dec2010a5.html>

**The longer time period shown over the entire 2000 years presents quite a different picture. Here CO<sub>2</sub> and atmospheric temperature are almost entirely in disconnect EXCEPT for the 1880 to the present time period "cherry picked" for the NCA page 23 graphical excerpt.**

**So, is the NCA chart "false?" Not at all, except "misleading" might be a better label, as the period starting around 1880 is the ONLY period in the recent 2000 years that CO<sub>2</sub> and atmospheric temperature moved in tandem. Humankind's Industry and agricultural practices, coupled with oceanic warming could all account for the rise in CO<sub>2</sub>, yet the temperature spiked multiple times between 600 and 1100, and again around 1250 without any help from CO<sub>2</sub> and then dropped in 1400, while CO<sub>2</sub> just plodded along at 280 parts per million.**

**For a more detailed look at CO<sub>2</sub> disconnect, see the same titled section < [http://www.colderside.com/Colderside/Temp\\_%26\\_CO2.html](http://www.colderside.com/Colderside/Temp_%26_CO2.html) >, which also includes Oceanic warming charts.**

**I could go on, but it is getting late!!!**

**BEST to all of you!!!**

**Tom**

**PS Feel free to forward!!!**