



David A. Burton added 4 new photos.

2 mins ·

Dear Dr. Holdren,

As far as can be measured, the rate of sea-level rise has not been affected at all by the big increase in outdoor carbon-dioxide (CO2) levels over the last 2/3 century. Thus far, mankind's carbon emissions have caused no increase at all in the rate of sea-level rise.

So why do you continue to fret about sea-level? Why can't you admit that sea-level is not appreciably affected by mankind's use of fossil fuels?

There are lots of problems with the quality of temperature measurement data, but coastal sea-level measurement data is much better. Sea-level measurements at coastal tide-gauges are very reliable, and some tide-gauge records of sea level go back more than 150 years, which is twice as long as mankind has been appreciably affecting atmospheric CO2 levels. Coastal sea-level measurements from tide gauges represent the best quality climate-related data in existence.

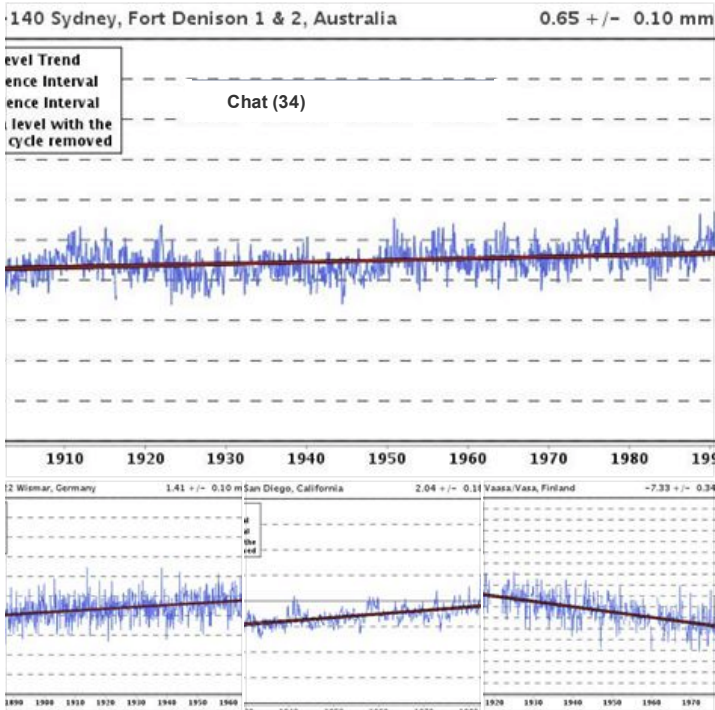
What those measurements show is that mankind's carbon emissions have not caused any measurable increase in the rate of sea-level rise. None. In fact, the best studies suggest there's been a slight decrease in the average rate of sea-level rise over the last 80 years.

Here are four representative graphs of long-term (>110 year) sea-level measurements, from three continents. The left halves of these graphs show measured sea-level when CO2 levels were almost steady at about 300 ppmv. The right ends of the graphs show current sea-level, when CO2 levels have increased to about 400 ppmv.

As you can see, although sea-level trends vary from one location to another, there's been no increase in the rate of rise (nor decrease in the rate of fall, in those locations where sea-level is falling).

[http://www.sealevel.info/680-140\\_Sydney\\_uncropped\\_2014.png](http://www.sealevel.info/680-140_Sydney_uncropped_2014.png)  
[http://www.sealevel.info/120-022\\_Wismar\\_uncropped\\_2014.png](http://www.sealevel.info/120-022_Wismar_uncropped_2014.png)  
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[http://www.sealevel.info/060-051\\_Vaasa\\_uncropped\\_2014.png](http://www.sealevel.info/060-051_Vaasa_uncropped_2014.png)  
(You can find much more data at <http://www.sealevel.info/> )

Ref: <http://www.whitehouse.gov/.../askdrh-presidents-science-advis...>  
("#AskDrH: The President's Science Advisor Is Answering Your Questions on Climate Change")



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