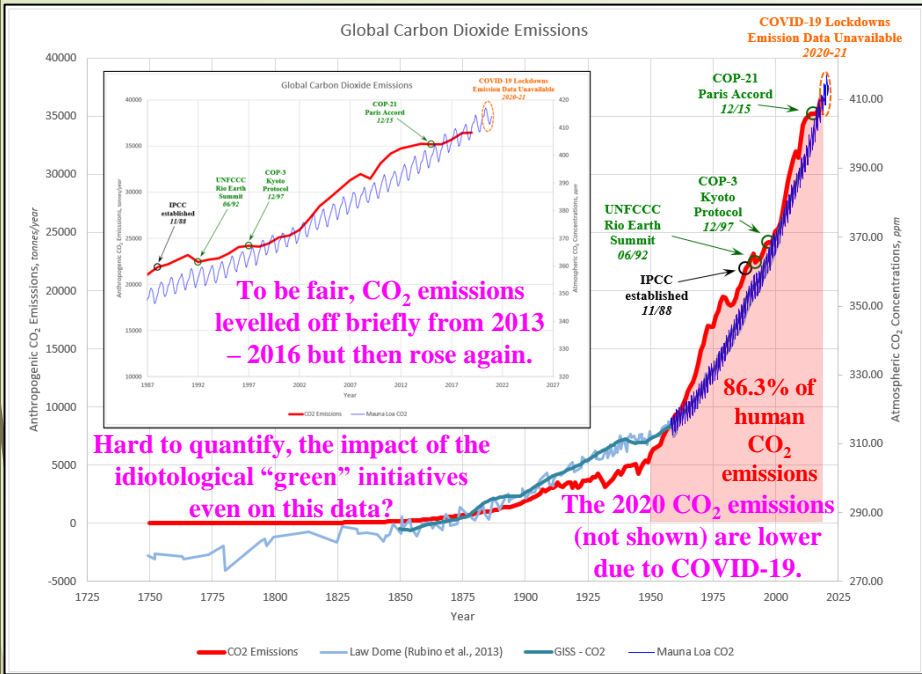


OPS-45 CO₂ Emissions and the IPCC



The sun, (not CO₂) is the primary climate driver!

CO₂ Emissions and the IPCC

CO₂ is a trace gas in the atmosphere with no empirical data to justify the CAGW alarmist belief in its importance. Roll in the environmental/economic problems associated with "green" initiatives and you have to ask why we are committing economic suicide?

The biggest takeaway from this post would be the non-response in atmospheric CO₂ levels despite the IPCC's continual push to reduce CO₂ emissions. Despite the trillions already wasted on "green" initiatives (over the last several decades), the atmospheric CO₂ levels have continued to rise steadily. Even a strong impact like the COVID-19 lockdowns are not strong enough to produce a visible reaction. That really is not surprising since human CO₂ emissions are less than 4% of Global CO₂ emissions and any correction in human emissions is less than the natural fluctuations within the global CO₂ cycle. That concept was addressed in Dr. John Christy's January 2021 presentation (summarized in my post, CSS-6). Rising CO₂ can increase global temperatures but CO₂ is not a primary climate driver. Hopefully, CO₂ has contributed significantly to the warming (±0.5 °C over the last 150 years. We are going to need all of that warming as we move further into the GSM.

This post focuses on CO₂ and relates the rise in atmospheric CO₂ to the IPCC history. As I have laid out in past posts (OPS-14 - Consensus and OPSS-6 - Confessions of an Anthropogenic Global Warmist), the sharp rise in atmospheric CO₂ levels coincides with increasing human CO₂ emissions. Most of that atmospheric CO₂ increase is likely due to the human emissions but there will be contribution from natural processes as well (for example, ocean off-gassing as temperatures have increased). With respect to Anthropogenic "Climate Change", 1950 (post WWII) becomes an important inflection point. 86.3% of all human emissions have occurred since 1950. Yet half of the temperature rise over this period occurred pre-1950. Those discussions are addressed in a couple of recent posts (CSS-3 - CO₂ Sensitivity, OPS-38 - Central England Temperature and OPS-42 - CO₂ Climate Sensitivity)

Moana Loa - Atmospheric CO₂ Concentrations: 1958 - 2021

