

Public Comment

**To: Environmental Protection Agency
EPA Docket Center (EPA/DC), Mailcode 6102T
Attn. Docket ID No. EPA-HQ-OAR-2009-0171
1200 Pennsylvania Avenue, NW
Washington, DC 20460
Email: GHG-Endangerment-Docket@epa.gov**

**From: James Anthony Marusek
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RE: Proposed Endangerment and Cause or Contribute Findings for Greenhouse Gases under the Clean Air Act. Docket ID No. EPA-HQ-OAR-2009-0171:

On April 2, 2007, in *Massachusetts v. EPA*, 549 U.S. 497 (2007), the Supreme Court found that greenhouse gases are air pollutants covered by the Clean Air Act. The Environmental Protection Agency (EPA) has proposed to find that the current and projected concentrations of the mix of six key greenhouse gases—carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆)—in the atmosphere threaten the public health and welfare of current and future generations. This is referred to as the endangerment finding. The EPA plans on regulating these greenhouse gases.

Although the “cause or contribute” aspect of the endangerment finding was limited to GHGs from new motor vehicles and engines, it is widely understood that once the proposal is finalized, EPA can proceed to other sources regulated (power plants, refineries, manufacturing plants) under the Clean Air Act (CAA).

This finding combined with follow-on regulations rather than protecting the American public will endanger the lives and well-being of millions of Americans. As a result, I request the EPA rescind its ruling.

I assert that the EPA has ignored evidence challenging the Anthropogenic Global Warming (AGW) theory and the EPA’s finding is not based on sound science. Specifically, I believe that the EPA’s finding has marginalized the effect of natural climate change driven by the sun.

The belief that there exists a scientific consensus supporting the AGW is a myth. The belief that the temperature data and analysis used by the United Nations' Intergovernmental Panel on Climate Change (IPCC) is accurate and comprehensive is a myth. The belief that the Little Ice Age and the Medieval Warm Period either didn't occur or were just local events is a myth. The belief that the recent rise in carbon dioxide is abnormal and unprecedented is a myth. The belief

that global temperature is rising unnaturally and is in a runaway state is a myth. The belief that Antarctica, the Arctic and the world's glaciers are melting due to AGW is a myth. The belief that ocean levels are rising abnormally due to AGW and possess a serious threat to humanity is a myth. The belief that AGW is producing more powerful hurricanes is a myth. The belief that AGW is producing greater natural disasters is a myth. The belief that AGW is producing more droughts is a myth. The belief that AGW is producing more floods is a myth. The belief that AGW is devastating permafrost is a myth. The belief that AGW is destroying the Great Barrier Reef is a myth. The belief that AGW is responsible for the spread of disease is a myth. The belief that AGW is causing the extinction of the polar bears is a myth. The belief that AGW theory was objective; thoroughly considered all potential causes is a myth. The belief that global warming debate is treated in a scientific manner is a myth. The belief that water vapor can only add a positive component to the heat balance equation is a myth. The belief that AGW theory has accounted for natural variables such as the sun, the effects of sun's magnetic field modulating the galactic cosmic ray flux rates and variations in Earth's cloud cover is a myth. Refer to <http://www.BreadAndButterScience.com/OSGWD.htm>.

Life on Earth is based on the carbon atom. Carbon dioxide is part of the fabric of life. Declaring carbon dioxide as a pollutant is scientifically unsound.

Water vapor is the primary global warming gas in Earth's atmosphere. It is directly responsible for the Earth's present climate. Carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride are only minor constituents in Earth's atmosphere and produce only very minimal effects on our climate.

Analysis of ice core data which tracked proxy data of carbon dioxide levels and Earth's temperature through glacial/interglacial transitions show an association. But temperature always changed first and carbon dioxide levels followed. Therefore it is temperature that is driving carbon dioxide levels rather than carbon dioxide levels driving temperature.

Carbon dioxide is soluble in water. This solubility increases as the water temperature decreases. The oceans store vast quantities of carbon dioxide. As the world's oceans gently warm, carbon dioxide is naturally released into Earth's atmosphere.

Climate change is primarily driven by nature. It has been true in the days of my father and his father and all those that came before us. Because of science, not junk science, we have slowly uncovered some of the fundamental mysteries of nature. Our Milky Way galaxy is awash with galactic cosmic rays. These are high speed charged particles that originate from exploding stars. Because these particles are charged, their travel is strongly influenced by magnetic fields. Our sun produces a magnetic field that extends to the edges of our solar system.

This field deflects many of the cosmic rays away from Earth. But when the sun goes quiet (minimal sunspots), this field collapses inward allowing cosmic rays to penetrate deeper into our solar system. As a result, far greater numbers collide with Earth and penetrate down into the

lower atmosphere where they ionize small particles of moisture (humidity) forming them into water droplets that become clouds. Low level clouds reflect sunlight back into space. An increase in Earth's cloud cover produce a global drop in temperature. Galactic cosmic rays are a very effective amplifying mechanism for climate forcing because the energy needed to change cloudiness is small compared with the resulting changes in solar radiation received at the Earth's surface. Refer to <http://www.BreadAndButterScience.com/SGMTA.pdf>.

Historian, John D. Post, referred to the last period when the sun went quiet, the Dalton Minimum (1790-1830 A.D.), as the “last great subsistence crisis in the Western world”. With the cold came massive crop failures, food riots, famine and disease. As the sun went quiet during the Dalton Minimum, the Earth began to slowly cool. The start of the planting season was delayed and in the fall early frost limited the harvest. Earth's abundant bounty was put on hold and starvation took its ghastly grip. Very severe periods of quiet sun are referred to as “Grand Minima”. The Maunder Minimum (1645-1715 A.D.) and Spörer Minimum (1420 to 1570 A.D.) are examples of a “Grand Minima” and each period has been called a Little Ice Age.

Several scientists including David Hathaway (NASA), William Livingston & Matthew Penn (National Solar Observatory), Khabibullo Abdusamatov (Russian Academy of Science), Cornelis de Jager (The Netherlands) & S. Duhau (Argentina) and Theodor Landscheidt (Germany) have forecasted that the sun may enter a period similar to the Dalton Minimum or a more severe “Grand Minima” a decade from now in Solar Cycle 25.

A few scientists including David C. Archibald (Australia) and M. A. Clilverd (Britain) have warned this might even begin in Solar Cycle 24. We are at the transition into Solar Cycle 24 and this cycle has already shown itself to be unusually quiet.

In the AGW theory according to the IPCC, the sun and Earth's cloud cover play only minor roles in climate change. In the AGW theory, rising atmospheric carbon dioxide levels cause rising temperatures on Earth. But actual temperatures have been falling. From the peak year 1998, the lower Troposphere temperatures globally has fallen around 1/2 degrees Celsius. (1998 vs. 2008) This is despite the fact that during that same time period, atmospheric carbon dioxide has risen 5% from 367 ppm to 386 ppm. The AGW theory failed to predict this trend. Some might argue that weather is being confused with climate. The range of this data is over ten years. I assert that a decade of global temperatures represents a climate change and 1/2 degrees Celsius is too significant to be ignored. The AGW theory is hinged on untested (unvalidated) computer models. These falling temperatures occurred at the same time as the sun went quiet as it is transitioning into Solar Cycle 24. This observation conforms to the Natural Global Cooling (NGC) theory. The NGC theory has a long history of defining past climate changes, a history of observed cooling events such as the Dalton Minimum, Maunder Minimum and Spörer Minimum. Any warming theorized by AGW appears to be insignificant in comparison to the large rapid fall observed in lower Tropospheric temperature being driven naturally by the weakening solar magnetic field during this solar minimum.

The EPA finding rather than protecting the American public from the effects of AGW instead endangers the American public by controverting efforts to adapt and survive natural global cooling brought on by periods of quiet sun.

The finding and the proposed EPA regulations to follow will endanger the lives of Americans. They will impose a stranglehold on carbon-based energy production, and radically alter carbon-based transportation and will adversely impact farming and food production in the United States. The implementation of regulatory controls are likely to occur as energy demand increases when the Earth slips into decades of severe cold and crop failures caused by natural global cooling. Our nation will require added energy production and greater resiliency in order to survive the effects of the next "Dalton Minimum" event. The EPA finding and follow-on regulations will lead to greater famine in our nation, greater hardship for our citizens and to much higher number of deaths associated with extremely harsh cold weather. By solidifying the EPA finding on greenhouse gases and adopting regulatory actions, the EPA will be placing millions of American lives in harms way.