

BOARD OF SUPERVISORS MEETING
February 21, 2017

"For all items *NOT* on the agenda"

(Each Speaker Limited to 3 Minutes)

Voluntary Sign-In Sheet

1. Mark Greenleaf
2. Charles L. Cravco
3. Shawnkwentah Jones
4. Vivian Deniston
5. CAROL SAUCIER
6. PATTI ROSE
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- 8.
- 9.
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- 11.
- 12.
- 13.
- 14.
- 15.
- 16.

There is a mountain of data including already conducted experiments, satellite imagery, lab tests of snow, observations on the ground, and multiple existing patents, all of which point solidly to the conclusion that snow & rain storms are being engineered with well already established weather modification processes.

Known patents for the process is called "artificial ice nucleation for weather modification. The Chinese government has openly admitted they are creating "artificial storms" but later backtracked after causing a billion dollars of damage to Beijing.

If the Chinese government can routinely create snow storms out of what should have been a rain event, how much more advanced must our government be at this same process? When monitoring radar images of rain during a storm, it is now common to see the rain "flash out" to snow for no apparent reason. No mountains, no colliding air mass, nothing. The "mainstream meteorologists" at the Weather Channel (corporation) call this "turning over to snow". Why would rain just "turn over" to snow for no reason?

Engineered Ice Nucleation Cools Air Masses

Many of the snow events occurring around the US, are amazingly still occurring at above freezing temperatures. Some are at temperatures of 10 degrees or more above freezing. How is this possible? Have the laws of physics changed?

It is done with various processes of chemical ice nucleation. This is the same as the first aid chemical ice pack. Mix the chemicals and you have ice. Whatever the existing temperatures of a storm and the surrounding air mass at the time the artificial nucleation is commenced, temperatures are lowered significantly further by the nucleation process. If the nucleation process is started at far above freezing temperatures, then the temps can fall to near freezing or below as the process continues. If the region where an "ice nucleated" event is being carried out is already well below freezing, the temperatures will fall to still lower temperatures. If the chemical nucleation process is inflicted aggressively enough, in already cold regions, temperatures can be driven to deadly levels well below zero.

Why Would They Do This?

First, because they can. Because there is no one to stop these experiments. Because there is no regulation whatsoever of the ongoing global geoengineering programs though many "outlines" for such governance exist as if these programs are not yet a reality. There are likely other straight forward reasons. 60 years of global climate experimentation have done horrific damage to the global climate system. The planet is warming, it would appear in large part due to the damage done by the ongoing geoengineering programs. Massive ozone holes and methane releases are occurring. Now it appears that those at the helm of the global spraying programs are trying to "cover up" the damage that has been done from the spraying by spraying yet more, and probably with an ever growing list of toxic elements.

Though all available data makes clear that stratospheric aerosol geoengineering (SAG) can and does cool large regions temporarily, it comes at the cost of a worsened overall warming to the planet. NASA's own data confirms this.

What Are The Consequences?

The problems that arise when ice nucleation is imposed on the atmosphere are many. Some consequences we can not yet know for sure, but what we do know is bad enough.

First, the entire hydrological cycle is disrupted, and in general, greatly reduced. This means less precipitation in any form, rain or snow. (Less precipitation is the general rule but when heavy rain systems are nucleated, significant "heavy wet snow" can still occur) Though the Weather Channel is doing their absolute best to rain all the snow falling in various locations, the fact is there is a "snow drought" in the US. The ice nucleated snow storms create the illusion of a normal winter when in fact all available statistics paint a very different picture. As we get through "winter" and closer to spring, ice nucleated events will become much more obvious. "Above freezing" snow events will become more and more common. Still, it is important to remember that geoengineered snow storms can also be carried out under extreme cold scenarios. Whatever the initial air mass temperatures, the chemical nucleation mix appears to lower the surrounding temperatures much further. Snow from artificial ice nucleation at higher temperatures is almost always "heavy wet snow". This is a newly introduced term pushed by the Weather Channel and other main stream media sources.

The snow that does fall is toxic. There are numerous lab tests to confirm that the same highly toxic heavy metals named as primary elements in geoengineering patents are being found in this "artificially nucleated" snow. This poisons the air, soils and waters. The effects on the Northern Calif boreal forests are already horrific. Trees are dying in mass and soil PH values are changing radically. The artificially nucleated snow can be incredibly dense and heavy, often causing major damage to trees and structures. Wind patterns and ocean currents are also being negatively effected by the ongoing spraying and manipulation of natural wind currents. (The HAARP and X Band Radar ionosphere heater installations around the globe also appear to be routinely manipulating the jet stream) This in turn is releasing methane hydrate deposits which threatens all life on earth. (search "geoengineering/methane release")

Photosynthesis is also being radically reduced by the global dimming effects of the spraying programs (Solar Radiation Management) Extremely expansive "geoengineered" cloud cover results from the Aluminum, Barium, Strontium particulate disbursement. These geoengineered events are noted by the "lingering contrails" dispersing into cloud cover often in the form of a largely featureless overcast hazy sky.

Stratospheric Aerosol Geoengineering, why Is It So Dangerous?

Stratospheric aerosol geoengineering is a primary term for the ongoing global climate modification programs being conducted by major powers around the world. "Aerosols" is simply a term for a microscopic particle that is suspended in the air. A primary stated goal of the geoengineering programs is to provide a "solar shield" to slow "runaway climate change" by spraying tens of millions of tons of highly toxic metal nano particulates (a nano-meter is 1/1,000,000,000 of a meter) into the atmosphere from jet aircraft (This also can reduce solar energy panel uptake as much as 80%). Is the spraying only for solar radiation management? Based on available data, there are a number of known objectives including but not limited to SRM, weather warfare, over the horizon radar enhancement, controlling food production, and probable biological testing. There are likely many more aspects and agendas related to the atmospheric spraying which we can not yet know.

Many Geoengineering Patents Have A Stated Goal Of Slowing Global Warming

Aluminum/alumina, among other toxic metals, is showing up in countless rain tests around the world. The amount of aluminum, barium, and other metals in these rain/snow tests is always high and often completely off the charts. Snow tests from Mt Shasta in Northern California were toxic beyond belief. This area of the Pacific Northwest was thought to be a pristine water source. Dozens of rain samples taken in this region from numerous individuals were tested at the State certified lab in Northern California and showed shocking results without exception. Former US Forest Service Biologist Francis Mangles has confirmed the alarming heavy metal contamination with his own testing. The average person has one and one half the normal amounts of Aluminum, Barium, Strontium toxins in their body. Snow tests taken from the side of Mt. Shasta showed aluminum content as high as 61,000 PPB. (parts per billion). This level of aluminum in the snow is tens of thousands of times anything that might be considered "normal background" contamination. Levels this high can only be considered extremely toxic. Since these toxic metals are in the snow, they can only come from the air. Aluminum/alumina in "free form" does not naturally exist in the environment but is always bonded to other elements. So where is it coming from? Aluminum is the primary element named in numerous geoengineering patents. The same patents that describe dispersing this aluminum from jets for the expressed purpose of blocking the sun which is exactly what we see aircraft "trails" doing in our skies day in and day out, creating artificial cloud cover and haze which blocks direct sunlight. It is important to remember this contamination is not local, but global in scope. Movements have formed in countries all over the world which are desperately trying to address this dire issue.

Climate change policies at both the national and international levels have traditionally focused on Measures to mitigate greenhouse gas (GHG) emissions and to adapt to the actual or anticipated Impacts of changes in the climate. As a participant in several international agreements on climate change, the United States has joined with other nations to express concern about climate change. Some recent technological advances and hypotheses, generally referred to as “geoengineering” technologies, have created alternatives to traditional approaches to mitigating climate change. These new technologies could modify the Earth’s climate on a large scale. Moreover, these new technologies are available to foreign governments and entities in the private sector to use unilaterally—without authorization from the United States government or an international treaty—as is often seen as lingering jet contrails or contrail grids.

The term “geoengineering” describes an array of technologies that aim, through large-scale and deliberate modifications of the Earth’s energy balance, to reduce temperatures and counteract anthropogenic climate change. Most of these technologies are beyond research stages, and their effectiveness at reducing global temperatures has yet to be proven. Moreover, very few studies have been published that document the cost, environmental effects, socio-political impacts, and legal implications of geoengineering. Geoengineering has potential to cause significant transboundary effects i.e. soil changes and respiratory diseases.

In general, geoengineering technologies are categorized as either a carbon dioxide removal (CDR) method or a solar radiation management (SRM) method. CDR methods address the warming effects of greenhouse gases by removing carbon dioxide (CO₂) from the atmosphere. CDR methods include ocean fertilization, and carbon capture and sequestration. SRM methods address climate change by increasing the reflectivity of the Earth’s atmosphere or surface.

Aerosol particulate injection and space-based reflectors are examples of SRM methods. SRM methods do not remove greenhouse gases from the atmosphere, but can be deployed faster with relatively immediate global cooling results compared to CDR methods.

To date, there is limited federal involvement in, or oversight of, geoengineering. However, some states as well as some federal agencies, notably the Environmental Protection Agency,

Department of Energy, Department of Agriculture, and the Department of Defense, have taken actions related to geoengineering research or projects. At the international level, there is no international agreement or organization governing the full spectrum of possible geoengineering activities. Nevertheless, provisions of many international agreements, including those relating to climate change, maritime pollution, and air pollution, would likely inform the types of geoengineering activities that state parties to these agreements might choose to pursue. In 2010, the Convention on Biological Diversity adopted provisions calling for member parties to abstain from geoengineering unless the parties have fully considered the risks and impacts of those activities on biodiversity.

Geoengineering technologies and climate change will remain an issue of global concern, policymakers will have to determine whether geoengineering warrants attention at either the federal , international or local levels. Policymakers will also need to consider whether geoengineering can be effectively addressed by amendments to existing laws and international agreements or, alternatively, whether new laws and international treaties would need to be developed.

Dear Honorable Representative, What if there was a monumental life threatening event that was about to occur that you were unaware of. What if this life threatening also involved the lives of all your loved ones? What if with every breath you take you are closer to this event? What if this event's warning signs were cleverly woven into our culture to be normal? What if you were scorned or ignored about your concerns on this? The event is in fact happening right above you and it is called "geoengineering". The stated purpose of one of these plans is to "dim" the sun to "slow climate change" also called "Solar Radiation Management" (SRM). The concept is to mimic the dimming effects of a volcanic eruptions and the particulate pollution of human activity. The dimming concept on the surface sounds like a viable solution to climate change and scientists repeatedly say how "cheap" it is to spray particulates i.e. Aluminum, coal ash & sulfur into our atmosphere; However, the fallout is toxic and is having a devastating impact on our health, agriculture and economy. Climate engineering programs are radically disrupting weather patterns and disrupting hydrologic cycles (causing drought in some areas and floods in others), destroying the ozone layer leaving us vulnerable to Solar Flare damage impacting essential services with infrastructure damage. Multinational corporations are conducting SRM and or weather modification programs in our atmosphere without any local or state government oversight. No public environmental impact reports or health impact reports are being done. All available data suggests that these SRM /geoengineering /weather modification programs are now the greatest threat to the web of life. Please adopt the "Resolution To Require Public Consent" I have sent you. Thank you, Bill Timm 707 445-1591

RESOLUTION TO REQUIRE PUBLIC CONSENT PRIOR TO ANY GEOENGINEERING (Climate Remediation), EXPERIMENT OR PROGRAM COMMENCING in, or having either an indirect, or direct effect in Humboldt County and or Northern California:

GEOENGINEERING DESCRIBES ACTIVITIES SPECIFICALLY AND DELIBERATELY DESIGNED TO EFFECT A CHANGE IN THE GLOBAL CLIMATE WITH THE AIM OF MINIMIZING OR MASKING ANTHROPOGENIC CLIMATE CHANGE (GLOBAL WARMING). SCHEMES OR EXPERIMENTS INCLUDE ANY AND ALL ATTEMPTS TO ALTER, REMEDIATE, OR MASK CLIMATE CHANGE OR GLOBAL WARMING BY REMOVING CARBON DIOXIDE FROM THE ATMOSPHERE OR BY SOLAR RADIATION MANAGEMENT (SRM -- ALSO REFERRED TO AS MARINE CLOUD WHITENING), WHICH INJECTS AEROSOLS, PARTICLES, CHEMICALS, GASES, VAPORS, SULFUR, BARIUM, ALUMINUM OXIDE (ALUMINA), CHAFF, COAL ASH, SALT OR OTHER COMPOUNDS INTO THE ATMOSPHERE TO REFLECT A PORTION OF THE SUN'S RADIATION BACK INTO SPACE, THEREBY REDUCING THE AMOUNT OF SOLAR RADIATION (DIRECT SUNLIGHT), REACHING THE EARTH. These schemes have the potential to change the weather, and if ongoing any period of time, change the climate. WHEREAS, Geoengineering (Climate Remediation), would have an economic impact on the County of Humboldt and or Northern California as defined by the Bipartisan Policy Task Force October 4, 2011 Report: "...as intentional actions taken to counter the climate effects of past greenhouse gas emissions on the atmosphere...(we mean past or future relative to the time that the action is taken). ." and that Solar Radiation Management (SRM) Techniques or strategies aim to counteract or mask the effect of rising greenhouse gas concentrations in the atmosphere by increasing the amount of solar energy that is reflected back into space. . ."

WHEREAS, Geoengineering would have an economic, soil, and air quality impact on Humboldt County and the city's of Eureka, Arcata, McKinleyville, Fortuna, Blue Lake, Garberville and other cities and or Northern California under the Solar Radiation Management "...category of climate remediation options includes a range of ideas, but most current research is focused on two distinct concepts: 1) Introducing very fine particles or liquid droplets--known as aerosols--into the stratosphere to deflect incoming solar radiation, and 2) Altering the reflectivity of clouds by means such as spraying droplets of seawater into the atmosphere to make cloud droplets more numerous and smaller and to make the clouds more reflective (i.e., brighter). ." Bipartisan Policy Task Force October 4, 2011 Report

WHEREAS, Geoengineering (Solar Radiation Management), would have an economic impact on the County of Humboldt and or Northern California as "...SRM may be able to mask some impacts of greenhouse gases on the climate system, it would do nothing to deal with the chemical consequences of increased CO2 concentrations in the atmosphere, including ocean acidification--a phenomenon that poses significant risks, particularly for marine life. . ."

Bipartisan Policy Task Force October 4, 2011 Report.

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Bipartisan Policy Task Force October 4, 2011 Report. (Note California Air Resources Board White Paper: "...scattering of sunlight by aerosols masks as much as 50% of the present warming effect of greenhouse gases [Ramanathan et al., 2001].)

WHEREAS, Geoengineering (SRM), would have an economic impact on the County of Humboldt and or Northern California because "...deployment of SRM could raise particularly difficult national security questions and could create challenges for international policy coordination because it could help some regions while harming others. ...and the burden of long-term management of SRM systems that cannot be stopped without creating harmful, sudden increases in global temperature. ...and, it could result in decreased precipitation and evaporation, altered monsoon rains and winds, and perhaps delayed recovery of the ozone hole. ...In addition, to these anticipated risks, there may be further risks that scientists have not yet been able to identify. ..." Bipartisan Policy Task Force October 4, 2011 Report. (Clearly, synergistic and cumulative impacts of various types of Geoengineering Schemes have not been considered by those promoting many of these different schemes.)

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California (which includes weather modification and weather mitigation programs) by producing reductions in regional rainfall that could rival those of past major droughts, leading to winners and losers among the human population and possible conflicts over water according to Grant University and NOAA. Decreased rainfall would have a huge agricultural impact on Long Island's farming community, trees, water supplies, and citizens.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California by large scale Geoengineering, weather modification, and climate remediation schemes may promote rain or snow in one area to the detriment of another, and the legal and liability issues pertaining to Geoengineering (Climate Remediation), with the potential adverse consequences on life, property, air quality and water resource availability resulting from these activities, must be considered in advance prior to implementation or rejection of these schemes.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California by reducing the total amount of direct sunlight reaching Earth's surface. All plants, agricultural crops, and trees require direct sunlight for photosynthesis. Scientists need to assess the impacts on crops and natural vegetation of reductions in total, diffuse, and direct solar radiation according to Bulletin of Atomic Scientists before proceeding with Solar Radiation Management (SRM) experiments.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California through injection of sulfur or aluminum oxide particles, water vapor (a greenhouse gas), other compounds or gases into the atmosphere leading to increased air, water pollution, and acid rains which will have a deleterious effect on the seafood industry. Acid rain damages fish populations by disrupting their reproductive cycle and leaching aluminum from soil into rivers, streams, and other water tributaries, according to the New York State Department of Environmental Conservation.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California due to increased acid rain (from sulfur, aluminum oxide particles, gases or other compounds), which causes adverse impacts on highly sensitive forest ecosystems. Acid rain damages forests by draining nutrients from the soil resulting in altered tree growth and dieback according to the New York State Department of Environmental Conservation.

According to The Dying of the Trees by Charles Little, studies show that acid rain causes aluminum to be unnaturally released from the soil. Aluminum is then free to be absorbed by trees and plants through their root systems. Aluminum kills or damages the roots first which means that trees can no longer absorb and transport nutrients. Aluminum's effects are multiplied

weather events. In the lower layers, it increases precipitation and in the upper layers, it decreases precipitation. Black carbon also causes human health problems. Aircraft and rockets are a notable source of emissions, including soot and water vapor, into the atmosphere according to Carnegie Institution and the U.S. Environmental Protection Agency.

WHEREAS, Geoengineering (Climate Remediation), would have an economic and human health impact on the County of Humboldt and or Northern California by negatively impacting the protective ozone layer and by decreasing sunlight which would cause Vitamin D deficiencies. Vitamin D deficiency (from increasing cloud cover - Center for Disease Control), is linked to rickets, asthma, allergies, increased cancer, hyperparathyroidism, osteoporosis, depression, diabetes, and other health problems, according to Mayo Clinic. These illnesses could overburden the State of California Health Care system through decreased worker productivity, increased sick days, pharmaceutical costs, etc.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California, "... ultraviolet radiation constitutes only about 5 percent of the total energy emitted from the sun; it is the major energy source for the stratosphere and mesosphere, playing a dominant role in both energy balance and chemical composition. Most ultraviolet radiation is blocked by Earth's atmosphere, but some solar ultraviolet penetrates and aids in plant photosynthesis and helps produce vitamin D in humans. Too much ultraviolet radiation can burn the skin, cause skin cancer and cataracts, and damage vegetation. (EPA) There have been no assessments made with regard to the impact of multiple Geoengineering Schemes on UV Radiation issues or their impacts on the stratosphere or mesosphere. (Note: Honey Bees also navigate by using ultraviolet light. Many pollinators and honey are in decline across the United States-we can't afford to further damage their ability to pollinate the majority of food we eat.)

WHEREAS, Geoengineering would have an economic and health impact on Eureka and the County of Humboldt, according to NASA, "... aerosols in the troposphere, such as dust and smoke, not only scatter but absorb UV-B radiation. ... in some circumstances, aerosols can contribute to an increase in UV exposure at the surface. ... " If ice particles form (from persistent jet contrails as one example), "... The ice particles. ... allow complete chemical reactions to take place in a manner than can deplete stratospheric ozone. ... " thus, allowing high UV radiation readings at the Earth's surface. ... "

WHEREAS, Geoengineering would have an economic and health impact on the County of Humboldt and or Northern California by negative health effects due to high concentrations of fine particulate sulfate and alumina (small and nano-size particulates), now being considered for use in several Geoengineering experiments including weather modification programs where nano-silver is being considered as part of these programs, that can enter the cardiovascular and respiratory systems, resulting in disease or even death according the New York State Department of Environmental Conservation.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California due to negative health effects. Aerosols could deplete the ozone layer and contribute to air pollution according to University Corporation for Atmospheric Research. A reduced ozone layer would also leave us vulnerable to Solar Flair / C.M.E. power grid infrastructure damage. Reductions in stratospheric ozone levels will lead to higher levels of UVB radiation reaching the Earth's surface. Laboratory and epidemiological studies demonstrate that UVB causes nonmelanoma skin cancer and plays a major role in malignant melanoma development, and cataracts according to the EPA.

exponentially as acidification increases. Geoengineering (Climate Remediation) schemes would exacerbate acid rain problems and aluminum toxicity of the soil, resulting in the further decimation of forests, plants, agriculture farm land, and tourism.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California because sulfate, aluminum oxide particles (gases), or other compounds used in Geoengineering Schemes, would eventually fall from the stratosphere into the troposphere and "rain out" onto the land and ocean. This would contribute to ocean acidification and could negatively impact crop soils and built structures, according to the U.S. House Science & Technology Committee, February 2010.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California, Geoengineering (SRM, marine cloud whitening) also runs the risk of creating localized impacts on regional climates throughout their deployment. This decrease in sunlight over the oceans could affect precipitation patterns and regional ocean ecosystem function (seafood industry), according to U.S. House Committee on Science and Technology, February, 2010. Long Island is a tourist destination. Decreased sunlight, increased precipitation and increased cloud cover would have detrimental effects on local businesses, fishing and other industry.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California by decreasing effectiveness of alternative forms of energy such as solar panels due to reductions in direct sunlight or diffuse sunlight according to NOAA.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California by increasing atmospheric water vapor (a greenhouse gas), and cirrus clouds which are formed from aircraft engine exhaust and jet engine combustion often visible as persistent jet contrails. Cirrus clouds exert a warming influence on the surface by allowing most of the Sun's rays to pass through but then trapping some of the resulting heat emitted by the surface and lower atmosphere according to NASA. Aircraft (rockets have been used in the past), are considered the most economical way to disperse atmospheric aerosols (gases or particles). In 2009, the U.S. Navy and NASA disbursed an aluminum oxide dust cloud (2009), using a NASA Brandt Rocket, over the East Coast of the United States (U.S. Navy Charged Aerosol Release Experiment CARE). As aluminum oxide is highly toxic to humans, plant life and aquatic sea life, public consent should be mandatory prior to any experiments using rockets, balloons, pipes, tubes or any other methods or devices that disperse chemicals, particles, CHAFF, gases, vapors, salt, aerosols, or other such materials by any corporation, government agency, NASA, private corporations or private individuals. (We need to consider synergistic and cumulative impacts of multiple schemes deployed by the U.S. Military as they are engaged in atmospheric testing and chemical releases.)

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California by increasing the anthropogenic warming it is intended to offset. Aircraft emissions are responsible for 4-8% of surface global warming since surface air temperature records began in 1850--equivalent to a temperature increase of .03 - .06 Celsius overall. Aircraft vapor trails in the Arctic produced 15-20% of warming according to Stanford University studies. (Water vapor is a potent greenhouse gas-EPA.)

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California due to black carbon (soot) in the atmosphere. Geoengineering does not decrease carbon (CO₂) in the atmosphere. Black carbon acts as an absorbing aerosol--a particle that absorbs the sun's heating rays. Black carbon also has varying effects on precipitation and

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California as aluminum oxide (alumina) dust is one of the light reflecting materials under serious consideration according to Unilateral Geoengineering Workshop at Council on Foreign Affairs and David Keith (2010 AAAS Meeting on Geoengineering). Aluminum oxide causes birth or developmental effects, brain and nervous system effects, and reproduction, and fertility problems as noted by Environmental Working Group.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California due to the fact that once begun, studies show that these schemes would have to be continued indefinitely or risk an abrupt warming with rates that are unprecedented for modern human societies and would likely cause sizeable economic disadvantages according to Penn State University.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California as the individuals and corporations that are researching and funding said programs stand to reap the profits of implementation of the program at unknown health, environmental, and monetary costs to citizens according to Bulletin of the Atomic Scientists. In addition, governments and private entities in Germany, India, Russia, and the United Kingdom are exploring or moving ahead with their own Geoengineering (climate remediation), research efforts. Controversies have already arisen in the international diplomatic arena according to Bipartisan Policy Center's Task Force on Climate Remediation research. As such, the public must be informed and consent must be mandatory to avoid governance or implementations of such programs by private corporations, wealthy individuals, foreign nations or proponents of these types of programs.

WHEREAS, Geoengineering would have an economic impact on the County of Humboldt and or Northern California by Geoengineering (Climate Remediation or Solar Radiation Management), chemicals, particles, gases, vapors, and other compounds or contaminants used in said experiments or research would violate State of New York Laws: Article 1 - Title 3 - Â§ 1-0303. General definitions: "19. "Pollution" shall mean the presence in the environment of conditions and or contaminants in quantities of characteristics which are or may be injurious to human, plant or animal life or to property or which unreasonably interfere with the comfortable enjoyment of life and property throughout such areas of the state as shall be affected thereby. . ."

THEREFORE, air quality must be monitored to ensure such programs are not implemented without public consent due to the secrecy surrounding this issue to date. Tests must be performed on a continuous basis to ascertain levels of proposed and known chemicals, particles, gases, metals, other compounds, and materials to ensure that these programs are not implemented without public consent. The public should be included in all proposed decisions to implement, restrict, or prevent SRM, Geoengineering, weather modification, and other schemes.

THEREFORE, since the general public is unaware of the risks associated with Geoengineering, climate remediation, weather modification programs and the numerous private, corporate, university, and government meetings held by the U.S. House Science & Technology Committee, agreements between the U.S. House and UK House of Commons on Global Geoengineering Governance, current research and schemes being conducted, and Global Geoengineering Governance Rules and Regulations being formulated to implement these programs, we, the people, due to the risks involved, require participation, review, and oversight over these rules and regulations along with Environmental Impact Statements for each proposed scheme, along with their cumulative and synergistic impacts.

THEREFORE, since there have been many meetings regarding Global Geoengineering Governance which will ensure that a few countries decide who controls and approves these programs and when they are implemented without the knowledge or acceptance of the public (Royal Society Geoengineering Report 2010 on Governance Rules), Public Government Hearings must be mandatory prior to any proposed testing to include Public Comment periods of at least 60-90 days. In addition, a Required Environmental Impact Report (EIS) must be completed prior to any testing or implementation of Geoengineering (Climate Remediation), schemes or weather modification programs and presented to the people in the County of Humboldt and or Northern California.

**MINUTES
REGULAR MEETING OF THE BOARD OF DIRECTORS
HUMBOLDT BAY DEVELOPMENT ASSOCIATION**

May 12, 2016

PRESENT:

Larry Oetker
Richard Marks
Patrick Higgins

ABSENT:

Rhea Williamson
Aaron Newman

President Marks called the Special Meeting of the Board of Directors to order at 5:00 p.m.

President Marks led those present in the Pledge of Allegiance.

PUBLIC COMMENT: None

COMMENT CALENDAR

DIRECTOR HIGGINS MOVED FOR THE APPROVAL OF THE CONSENT CALENDAR. DIRECTOR OETKER SECONDED. MOTION CARRIED WITHOUT DISSENT.

NEW BUSINESS

A. CONSIDERATION OF ADOPTION OF CERTIFICATE OF AMENDMENT OF ARTICLES OF INCORPORATION OF HUMBOLDT BAY DEVELOPMENT ASSOCIATION, INC.

Director Oetker said the amendment gives the Humboldt Bay Development Association, Inc. the opportunity to expand the whole bay area, not limited to Redwood Terminal 2. Director Higgins said it is good to have that flexibility.

DIRECTOR OETKER MOVED FOR THE ADOPTION OF CERTIFICATE OF AMENDMENT OF ARTICLES OF INCORPORATION OF HUMBOLDT BAY DEVELOPMENT ASSOCIATION, INC. DIRECTOR HIGGINS SECONDED. MOTION CARRIED WITHOUT DISSENT.

B. CONSIDERATION OF APPROVAL OF LEASE WITH PACIFIC FLAKE.

Tim Petrusha reported Pacific Flake is currently in Bodega Bay and produces artisan sea salt. Humboldt Bay has good water quality for their product.

DIRECTOR HIGGINS MOVED FOR THE APPROVAL OF LEASE WITH PACIFIC FLAKE. DIRECTOR OETKER SECONDED. MOTION CARRIED WITHOUT DISSENT.

C. DISCUSSION OF COASTAL DEPENDENT INDUSTRIAL – INTERIM USE

Executive Director reported the County Planning Commission will discuss this item on June 14.

Tim Petrusha said he spoke at the Chamber of Commerce Business and Industry Group. There is concern the Board of Supervisors will vote down the interim use when so many are doing it illegally. The Business and Industry Group would like someone to come speak favorably about the interim use at their next meeting.

Director Marks said it is a good opportunity to educate the community.

Director Higgins said there seems to be dissatisfaction by the Board of Supervisors with the Planning Commission. There has been stalling issues and highly inefficient workings by the Planning Commission. It is time for them to give the Harbor District consideration.

Director Marks said the County has been working with the Coastal Commission. Be careful not to get something counterproductive from what the Staff is doing with the Coastal Commission.

Director Higgins said the County received a \$10,000 grant from the Coastal Commission to deal with this issue because so many are out of compliance.

Director Oetker said Harbor District staff should meet with the Coastal Commission and County staff. Don't lose the momentum. When does the local Coastal Commission staff think this will get to the full Commission for their review? If it takes over one year, we are wasting our time. If we are all on the same page, it may work quickly. The overarching problem is to get all in agreement with the local Coastal Commission staff and go to the full Commission. Attorneys take over and thrown out the addendum prior to the meeting. If we are going to get piggy-backed on the LCP amendment it will take 3-4 years. Advocate to change the ordinance a little and then work with the Coastal Commission staff; the Board of Supervisors will then most likely approve.

Executive Director said all are not on solid ground; we need to get all on the same page. A little over a year ago we thought we could know out this interim use; need a more streamlined process for tenants.

Director Marks said he is worried about the damage suffered. The Coastal Commission is going to ask why the Planning Commission denied it, even if the Board of Supervisors approves.

Director Higgins said the Harbor District and Development Association should be able to tell the Coastal Commission we cleaned up 3 million gallons of toxic substance stifling the growth in Humboldt County.

Director Oetker said a tour of the facility could be given to the Coastal Commission when they meet next in Humboldt County or send 2-3 people to their meeting in Southern California – the opposition probably will not attend that meeting.

Executive Director suggested to pull together a staff meeting, come to consensus and then go to the next Coastal Commission meeting.

Director Oetker said the core issue is the Planning staff throughout Humboldt County don't understand the coastal laws; education is a problem.

Tim Petrusha said the message needs to be broadcast that we are not advocating removing the CDI zoning, just subsidizing until CDI Dependent companies want to locate here.

The meeting was adjourned at 5:57 p.m.

APPROVED BY:



Richard Marks, President for
Patrick Higgins, Secretary

RECORDED BY:



Patricia Tyson, Director of Admin. Services
Humboldt Bay Harbor District

ACV - SFO
\$789/500

250 MILES +-
MILES ROUND TRIP

\$ PER MILE \$1.578

LAX - IPL
\$126/360 MILES ROUND TRIP

180 MILES +-
MILES ROUND TRIP

\$ PER MILE \$.35

FORTUNA - OAK 220 MILES +-
440 X .35 = \$154

SAME DISTANCE EKA TO
FORTUNA AS
EUREKA TO MCK ? +-

LAX Los Angeles

IPL El Centro

Los Angeles

Wed, February 22

Fri, February 24

El Centro
\$126

Stops Price Airline Times More

Explore destinations

Choose an outbound flight

Sort by price

\$106
round trip

Save \$20 if you leave on Fri, Feb 24 and return on Mon, Feb 27
Depart 2 days later, return 3 days later

Track prices [Learn more](#)

Save this trip to track price changes and receive price alerts and travel tips by email.

OFF

\$126
round trip



7:50 AM - 9:15 AM
Mokulele Airlines

1h 25m

Nonstop

\$126
round trip



1:15 PM - 2:40 PM
Mokulele Airlines

1h 25m

Nonstop

\$126
round trip



3:35 PM - 5:00 PM
Mokulele Airlines

1h 25m

Nonstop

\$126
round trip



9:50 PM - 11:15 PM
Mokulele Airlines

1h 25m

Nonstop

LAX Los Angeles

IPL El Centro

Los Angeles

Wed, February 22

Fri, February 24

El Centro
\$126

Stops Price Airline Times More

Explore destinations

Outbound flight

Wed, Feb 22



7:50 AM - 9:15 AM
Los Angeles (LAX) - El Centro (IPL)
Mokulele Airlines 801 - Cessna (Light)
Average legroom (30")

1h 25m

No Wi-Fi

No in-seat power

Next, choose a return flight

Sort by price

\$126
round trip



5:40 AM - 7:10 AM
Separate tickets Mokulele Ai

1h 30m

Nonstop

\$126
round trip



3:15 PM - 4:40 PM
Separate tickets Mokulele Ai

1h 25m

Nonstop

\$146
round trip



9:50 AM - 11:15 AM
Separate tickets Mokulele Ai

1h 25m

Nonstop

\$146
round trip



5:30 PM - 6:55 PM
Separate tickets Mokulele Ai

1h 25m

Nonstop

ACV Arcata

SFO San Francisco

Wed, February 22

Fri, February 24

San Francisco
\$783

Stops Price Airline Times More

Explore destinations

Choose an outbound flight

Sort by price + best

\$702

round trip

Save \$81 if you leave on Fri, Feb 24 and return on Mon, Feb 27
Depart 2 days later, return 3 days laterTrack prices [Learn more](#)

Save this trip to track price changes and receive price alerts and travel tips by email.

OFF

Best flight [Learn more](#)**\$789**

round trip

6:00 AM – 7:10 AM
United · Skywest DBA United I

1h 10m

Nonstop

\$789

round trip

7:15 AM – 11:49 AM
Alaska, Penair

4h 34m

1 stop
1h 15m in PDX**\$789**

round trip

8:43 AM – 9:55 AM
United · Skywest DBA United I

1h 12m

Nonstop

\$789

round trip

2:41 PM – 3:51 PM
United · Skywest DBA United I

1h 10m

Nonstop

\$946

round trip

7:15 AM – 2:55 PM
Alaska, Penair

7h 40m

1 stop
4h 25m in PDX**\$985**

round trip

7:15 AM – 3:17 PM
Alaska, Penair · Skywest Airline

8h 02m

2 stops
PDX, SEA

ACV Arcata

SFO San Francisco

Keno
\$938

Wed, February 22

Fri, February 24

San Francisco
\$783

Stops Price Airline Times More

Explore destinations

Outbound flight

Wed, Feb 22

6:00 AM – 7:10 AM
Arcata (ACV) – San Francisco (SFO)
United 5276 · Embraer RJ-175
Operated by Skywest DBA United Express
Average legroom (31")

1h 10m

Wi-Fi
Stream to your device
No in-seat power

Next, choose a return flight

Sort by price

\$789

round trip

12:55 PM – 2:10 PM
United · Skywest DBA United I

1h 15m

Nonstop

\$789

round trip

7:57 PM – 9:10 PM
United · Skywest DBA United I

1h 13m

Nonstop

\$789

round trip

10:35 PM – 11:50 PM
United · Skywest DBA United I

1h 15m

Nonstop

\$881

round trip

6:30 AM – 11:15 AM
Alaska, Penair

4h 45m

1 stop
1h 30m in PDX

Sign in

Flights

Round trip One way Multi-city Economy 1 adult

LAX Los Angeles

IPL El Centro

Los Angeles

Sun, February 26

Thu, March 2

El Centro

\$83

Stops Price Airline Times More

Explore destinations

Choose an outbound flight

Sort by price

These are among the lowest fares within ±3 days
Show Flexible dates

Track prices [Learn more](#)

Save this trip to track price changes and receive price alerts and travel tips by email.

OFF

 round trip	9:50 PM – 11:15 PM Mokulele Airlines	1h 25m	Nonstop
\$94 round trip	1:15 PM – 2:40 PM Mokulele Airlines	1h 25m	Nonstop
\$94 round trip	3:35 PM – 5:00 PM Mokulele Airlines	1h 25m	Nonstop

Ads

[Sign in](#)

Flights

Round trip One way Multi-city

Economy 1 adult

LAX Los Angeles

IPL El Centro

Los Angeles

Sun, February 26

Thu, March 2

El Centro

\$83

Stops Price Airline Times More

[Explore destinations](#)

Outbound flight

Sun, Feb 26

=

9:50 PM – 11:15 PM

Los Angeles (LAX) – El Centro (IPL)

Mokulele Airlines 814 · Cessna (Light)

Average legroom (30")

1h 25m

No Wi-Fi

No in-seat power

Next, choose a return flight

Sort by price

round trip	=	5:40 AM – 7:10 AM Mokulele Airlines	1h 30m	Nonstop
round trip	=	3:15 PM – 4:40 PM Mokulele Airlines	1h 25m	Nonstop
round trip	=	5:30 PM – 6:55 PM Mokulele Airlines	1h 25m	Nonstop
\$94 round trip	=	9:50 AM – 11:15 AM Mokulele Airlines	1h 25m	Nonstop

Ads

~~500 AM~~
Mokulele Airlines
180

ACW - SFO
250

2/13/17

To: Everyone

Subject: What Old Farts Have Learned

At 73 years of age, I have given input for many years especially to Humboldt County Supervisors. With age and practical field experience comes wisdom, and I see my county supervisors not taking the time to understand what I say. With around half of Humboldt County's economic support coming from taxpayers, I see good, long term timber jobs going down the rat hole.

World realities are not always fair and balanced. Something is missed by not reading Ayn Rand's Fountainhead, and the word means little if the sword is not kept sharp. I see money and positions of power being more politically important than real world truths. I see humans violating laws and regulations in many ways at some point in time put in place by humans who are not experienced in the real world. I see legalese and common sense as applied by many as not compatible, and I am skeptical that Trump will provide much help for rural folks.

I used to play the politically correct game, but for what is left of my life, I am not inclined to back-off any more. When I encounter something my experiences say is not true, I will have it verified before I back-off. After looking at my resume (below), you may say I am nuts for doing what I do. We live in a divided nation, and with my dad (and mom bless her heart who hung-on) saying revolution and possibly World War III is coming, I have to agree with him.

If you want to know what I and many with an open mind have learned especially in rural communities, buy me a coffee and seriously listen sometime.

Brief outline of professional and personal background

Charles L. Ciancio, P.O. Box 172, Cutten, CA 95534, 707-445-2179, CA RPF #317.

(An old tired field forester no one gives much attention who has lived in a working man's world)

- Born and raised in Willits, California, raised a family of four, have seven grandkids, many years of marriage, graduated Willits High in 1961, graduated with four year Forest Management Degree in 1966 from Humboldt State University, and worked my way through college while handling two family disability situations (dad bed-ridden since sophomore in college and son shot in Idaho).
- Hired as forester by George Schmibauer and Crawford Lumber Company in 1996. Worked through out all of northern California coastal and Sacramento Valley areas. Was head supervisor over all LP northern California feelands (involving over 100 people, million dollar budgets, operations on 200,000 acres and around 200 million board foot annual timber harvest)
- After 29 years, I was fired from LP in 1995 before LP self-destructed. Worked 10 plus years at Able Forestry Consultants in Eureka, California. After fifty plus years as a field forester and a working person, I now own some timberland, am now forcibly retired, and no longer believe real world truths will prevail.
- After fifty years as an experienced field forester, I have been ignored by many: Taught Introduction of Forestry class at Humboldt State University, worked with many professional and landowners groups (Farm Bureau, California Licensed Foresters Association, Society of American Foresters, Buckeye, Association of Consulting Foresters, American tree Farm Association, and unlisted others), worked with many regulatory agencies: County agencies, California Department of Forestry, Water Quality, California Department of Fish and Game, U.S. Fish and Wildlife Service, National Marine Fishery and/or NOAA, United States Dept. of Agriculture, Bureau of Land Management, cities, and unlisted others; worked with all kinds of landowners and in all kinds of regulatory and operational situations; participated in many, many meetings and regulatory hearing processes; submitted two petitions to the California Board of Forestry; submitted petitions to California's Office of Administrative Law; learned respectful, professional, factual confrontation does not accomplish much; learned an individual without money and position of power accomplishes little to no regulatory change on their own; and wrote: fish story "You Don't Know What You Got Until It Is Gone", "The Good In Tree Farming", and wrote books titled "Rest In Peace Rural America" and "We Could Have So Much, Much, Much More".

What is good about Rural Life

The good part comes from being in contact with old farts experienced in life's realities. Despite old farts being contankerous and hard to get along with and many not becoming rich, you learn life realities from them which are not all fair and balanced.

The good part is when long-lasting jobs for experienced ranch people and those who work in the woods and sawmills are available which maintains open spaces.

The good part is when especially as youngsters some learn to hunt and fish and they see what the real world is all about. Being around animals and hunting and fishing, kids learn how animals and many species fit into the real world. They learn what makes for good habitats and a good life for many species.

The good part is later in life when folks learn life takes sacrifice, and they learn life is not a bowl full of cherries.

The good part is being able to take care of yourself and your own. Learning how to take care of things and get through life.

The good part is the folks you meet. On the private side, folks associated with ranching, timber industry, and many other rural things are some of the best.

The good part is knowing how life is created and maintained. Rural folks learn how males and females have young ones. Like in trees, some learn how things grow, when harvest provides benefits, and how to re-grow things.

The good part is some learn independence and do not depend on others and the government. In rural areas with especially younger uncorrupted minds of mush thinking marijuana and other drugs are the cat's meow, they learn to work for what they get. With around half the economy provided by the taxpayers, this is especially true in Humboldt County and other rural areas.

Yep! Disappearing Rural Life will be missed.

Charles L. Ciancio
California Registered Professional Forester (RPF) #317
(An old tired field forester no one gives much attention who has lived in a working man's world)
P.O. Box 172, Cutten (near Eureka in redwood country), CA 95534
707-443-2179

2/19/17

To: Everyone

Subject: What Old Farts Have Learned which helps local community

Being 73 years old, I can see with age and field experience comes practical wisdom.

For me, I see private sector working, producing, and rural folks in timbered areas in for a world of hurt. I see Humboldt County private economy (half supported by taxpayer dollars and employment numbers including part time jobs) in trouble. I see low paying tourism jobs and marijuana as pie in the sky. Especially regarding many truths, I see Buckeye, Farm Bureau, and other landowners groups doing a lousy job telling what is happening to rural folks.

One thing I have learned is foresters, loggers, sawmilling, ranchers, including distant farmers and coal miners, rural folks, and support economy provides a package deal. Once a main job creator in California, I see the timber industry fading away, and as it fades away, open space and other things are lost.

My resume shows I have waded through a lot of bull. I learned from others and they have learned from me. When I encountered something my experiences said was not true, I had it verified before I backed-off. I learned everything grows and survives based on three things: water, sunshine, and nutrients. I know how to grow a tree, harvest a tree, and re-grow another tree. My experiences have told me when a fire is good and when it is bad. I find I am ignored by many in the media, protectionists, preservationists, those spouting legalese, some well-off-folks, and the Fourth Branch of Government regulators. I was an instructor at Humboldt College, but by getting few questions, I am not sure my students learned what I taught them.

I know what I think is over my head about what Trump is suppose to do; however, I wish him luck, and as a citified person, I am skeptical he will give much help to rural folks. He should pay attention to foreman, bullbucks, forester, and others who are experienced at what happens in the field and real world.

We live in a divided nation, and I have to believe my dad (who is no longer with us and mom bless her heart who also hung-on and is also no longer with us) saying revolution and possibly World War III is coming, is right.

If you want to know what I have learned, buy me a coffee and seriously listen sometime

Charles L. Ciancio

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