Written Public Comments Submitted to PCAST

July 3, 2024 to September 5, 2024

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Contents

GROUNDWATER PUBLIC COMMENTS	2
Section 1: LL. H. Thorleifson, University of Minnesota	3
Section 2: Agribusiness & Water Council of Arizona	4
Section 3: John Mueller Jr	5
Section 4: Graham Paul	6
Section 5: George Cuvellier	7
Section 6: PCAST Groundwater Anne Arundel County MD	8
Section 7: Central Valley Project Water Association	9
ARTIFCIAL INTELLIGENCE	10
Section 1: Lynn Etheredge	11
CYBER PHYSICAL RESILIENCE PUBLIC COMMENTS	15
Section 1: Joseph Yuna	16
MISCELLANEOUS PUBLIC COMMENTS	17
Section 1: Olinto Rosales	18
Section 2: Sean McCleary	20
Section 3: Armani Cobb Founder, Fresh Start Advocate Organization	27
Section 4: Rob Dalton, VNR1 Communications, Inc.	28
Section 5: Khawar Naseer	29



GROUNDWATER PUBLIC COMMENTS



Section 1: LL. H. Thorleifson, University of Minnesota

Written: 7/12/2024

Subject: Workshop on Safeguarding America's Groundwater Security

See content on following page

UNIVERSITY OF MINNESOTA

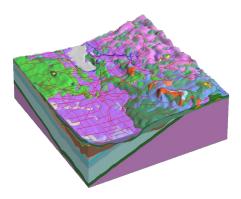
College of Science and Engineering Earth & Environmental Sciences Minneapolis MN 55455 USA thorleif@umn.edu

July 1st, 2024

To: President's Council of Advisors on Science and Technology (PCAST)

The White House; pcast@ostp.eop.gov

Re: Groundwater



I am writing in response to the April 25th 2024 PCAST request for suggestions regarding the national groundwater crisis that is an escalating threat to the quality of life enjoyed by people of the USA.

I am a University of Minnesota Professor, and Chair of the international Commission for Geoscience Information. I was MN State Geologist for two decades, President of the State Geologists' association, and six-year member of the National Geospatial Advisory Committee. I was a Geological Survey of Canada research scientist for almost two decades, and President of the Canadian Federation for Earth Sciences. I hold a University of Colorado Ph.D.

The answer to your question is <u>all of the above</u>. We need **research**, which is conceptual, **mapping**, which is spatial, **monitoring**, which is temporal, and **modeling**, which assembles the foregoing, to support **management**, that will ensure sustainable pumping rates, and protection of groundwater quality.

We are doing all of this, but we forgot to do one piece – <u>mapping</u>. Oops. Groundwater modelers refer to mapping as the conceptual model and the grid. We have many magnificent 2D and 3D maps, as a patchwork for maybe a quarter of the nation. Great. That is like a jigsaw puzzle with one-quarter of the pieces. The conclusion of my letter is that we need to comprehensively map the geology of the USA.

Without a map, you are lost. No one thinks a pilot doesn't need a map. No one would drive across the state without a map. No one says that we don't need Google Maps, as we already have folded paper maps. But with groundwater, we are winging it. That is because groundwater is out of sight and out of mind. Geologists can't visualize the water, and hydrologists can't visualize the geology. That's a problem.

We need to treat groundwater as we do for weather, climate, surface water, and soil. We need a network of multi-county groundwater models for all of each state, statewide models, and national models. We need to fully add groundwater to the National Water Model. This is a digital twin – an indefinitely sustained forecasting system that receives data, and that supports interventions. The missing piece is mapping.

In the 90s, I was directed to invent procedures for mapping regional groundwater systems. Despite its age, that pilot – illustrated here – remains famous. I have been co-leading international workshops on these methods for over two decades, although uptake of the methods has been slow. "If it's not in the papers, it's not a problem." Now, regional groundwater sustainability is in the papers. It's time to do something.

Google Earth users understand that you start with the globe, and zoom in. Although the pieces are a mess, it's the same for geology - from global, to continental, to national, to regional, and then to local mapping done by property owners for their own use. Completeness is first achieved at low resolution. Global resolution is done by international agencies. Remaining resolution levels beyond the scope of property are done by the US Geological Survey, and state geological surveys. Consultants map private land.

Academics do research, teaching, and service. Survey geologists do research, mapping, and service. USGS Energy, Hazards, Minerals, and Water play roles in geological mapping – the Regional Aquifer-System Analysis (RASA) was a superb early attempt to do what I am outlining. Coordination is provided by the National Cooperative Geologic Mapping Program (NCGMP), to build the National Geologic Map Database (NGMDB), under the National Geologic Mapping Act (NGMA). Federal NCGMP roles include cross-border mapping, essential research, as well as specialized topics and technology. States play their role by contributing match under Statemap, and through major state-funded additional investments.

Past geological mapping was done as paper maps. Now, authored and peer-reviewed paper maps and their digital versions are more important than ever, as documentation. Meanwhile, a new form of geological mapping has emerged this century, as multi-resolution seamless 3D. At each level of resolution, as data allows, we need a 2D map for each major unconformity, vertically georeferenced by an elevation grid – earth surface below soil mapping and water in sediment-covered regions, top of mineral sediment, bedrock, pre-Mesozoic, Precambrian, and basement. Then we do 3D by subdividing between the surfaces.

At regional resolution, we are building jurisdiction-wide databases of observations and inferences. We are assembling non-superseded maps at scales more detailed than the state geologic map as regularly updated seamless databases for each unconformity, that undergo regular audit rather than peer review.

What gets measured gets managed. Status mapping as a composite index for multiple layers, based on local judgement regarding needs, shows consensus on and progress toward goals, helps identify priorities, stimulates funding, and causes us all to strive. Aquifers cross borders, and contradictory maps erode user confidence, so a major task is to reconcile mapping with international neighbors, starting with Canada.

We need quick wins, and we need to build for the long term by imaging and drilling undocumented deep geology. A dramatically exciting technology that will allow major progress is airborne EM.

In summary, we need to fully implement FY20 Congressional Language, that outlines fulfilment of the mapping and research that I have outlined here as NGMDB Phase Three, and I anticipate that Congress will want to fully fund the NCGMP at its authorized level in order to fulfil obligations to society.

I will be pleased to provide additional assistance in any way that may be required.

Sincerely,

L. H. Thorleifson Ph.D., P.Geo., D.Sc.,

Professor, University of Minnesota

Chair, Commission for Geoscience Information

Section 2: Agribusiness & Water Council of Arizona

Written: 7/31/2024

Subject: ABWC Response to PCAST Groundwater Working Group Members

See content on following page

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July 31, 2024

RE: Response to the Workshop on Safeguarding America's Groundwater Security: Addressing Challenges and Risks

Dear PCAST Groundwater Working Group Members,

Thank you for allowing us the opportunity to join the Workshop on Safeguarding America's Groundwater Security in Tempe, Arizona.

The Agribusiness & Water Council of Arizona (ABWC) is a not-for-profit trade association, our membership represents the entire agricultural community from "ditch bank to dinner plate", in Arizona. ABWC was established in 1978 to respond to proposed groundwater legislation and to serve as Arizona's affiliate representative to the National Water Resources Association. Our membership is comprised of growers, ranchers, suppliers of equipment, seed, chemicals and services, attorney groups, agricultural processors, financiers of agribusiness enterprises, commodity groups, trade associations, electrical, irrigation and drainage districts, and major state universities.

After attending the workshop, it is not clear to us what role that PCAST is attempting to play. Groundwater is the purview of the State of Arizona. The state is responsible to its citizens to sustainably administer and manage its diverse groundwater resources and has a long history of implementing groundwater management areas. The state is constantly interacting with groundwater basin residents in exploring and establishing groundwater management schemes that will protect their future needs. The Arizona Department of Water Resources (ADWR) has a division dedicated exclusively to monitoring, and measuring aquifer supplies and withdrawals. They work closely with groundwater expertise within the United States Geological Service (USGS).

Any further involvement of federal agencies should be limited to funding or providing cutting-edge technology to assist the role and responsibilities of the Arizona Department of Water Resources (ADWR) as described above.

Thank you for giving us the opportunity to provide this input on behalf of our membership.

Respectfully,

Tom Davis President

Tucia Jain

Stephanie Knight-Dubien Interim Executive Director

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Cooperative Extension, UA Tucson, Arizona

Section 3: John Mueller Jr

Written: 8/5/2024

Subject: Groundwater

Groundwater Working Group -

I realize this is long after the posted deadline for submitting ideas; however, the solicitation for ideas arrived in my Inbox only this morning in a NY Times Opinion piece.

I believe the idea of repurposing oil pipelines is worthy of consideration, as this is not a new concept. The two articles linked below are examples that offer more perspective.

https://markets.businessinsider.com/news/stocks/could-oil-pipelines-solve-americas-water-crisis-1030823053

https://www.researchgate.net/publication/361879599 OPINION E An Immodest Proposal From Pipelines to Lifelines

Thank you for your consideration.

Respectfully,

John F Mueller Jr, BSc Geop Engr, P.E. (Civil, Control Systems - Retired)

Section 4: Graham Paul

Written: 8/5/2024

Subject: Groundwater

Dear PCAST:

While I am a concerned (to say the least) citizen, I have no expertise which would enable me to answer your questions intelligently. I want to register my concern, however, and to urge you to do whatever is necessary to speed up a process for: 1)accurately determining the current amounts and quality of groundwater in the country, and 2) move the process forward to actually act on that data before it is too late. Please. In particular, I imagine this will involve requiring corporations—including but not limited to agriculture—to seriously curtail their water use. They must be required to find powerful efficiencies.

I'm 74 years old, and I grew up in Southern California, so I was aware of urgent water issues there more than half a century ago—and of California's often problematic approaches to the problem. I was also horribly mis-educated about history as regards treatment of tribal communities. Since these people are likely to be most affected by water crises, please keep their needs uppermost in your minds.

Thank you.

Graham

Graham Paul Asheville, NC

Section 5: George Cuvellier

Written: 8/7/2024

Subject: Groundwater

If you people haven't noticed they came across with at least one or two different ways to turn saltwater into freshwater that is very cheap if California wants to grow almonds which are one of the crops that requires the most water to grow then California should pay to have salt water change to fresh water. Stop trying to come up with ideas to drain the Great lakes of the Mississippi because they already figured that out it would cost you hundreds of billions of dollars just to build the pipe to bring the water over the cheapest way ever for you clowns on the west coast is to take salt water turn it into freshwater and use it but another way would be to get rid of the goddamn things that require the most water people don't have to have almonds to survive the world get rid of the crops that require the most water and that will solve a part of your problem. And like I said they come up with one or two ways to convert salt water to fresh water easily and less expensive much less expensive than before California should get off its ass and do something on its own since it's causing its own problem by putting the worst plants in the grow.

Section 6: PCAST Groundwater Anne Arundel County MD Written: 7/8/2024
Subject: Groundwater
These comments are submitted past the submission time frame; however, we respectfully request that they be considered as this is an issue of particular importance for Anne Arundel County, MD. Please see attached letter.
Thank you,
Beth O'Connell
See content on following page



Karen Henry, Director 2662 Riva Rd, Suite 400 Annapolis, MD 21401 410-222-7042 pwhenr00@aacounty.org www.dpwandyou.com

June 28, 2024

President's Council of Advisors on Science and Technology Groundwater Working Group Members

Dear Members,

We are pleased to provide input on your April 25, 2024 request for comments regarding the state of the nation's groundwater resources. While much of the focus and attention is on the western states, we believe there are similarly vexing issues associated with aquifers in the wetter eastern states. Recent journal articles and national media outlets have noted potential concerns regarding land subsidence on the East Coast, with groundwater usage often mentioned as a contributing factor. Anne Arundel County, Maryland, is situated along the Chesapeake Bay, centered between the growing Washington DC and Baltimore metropolitan areas. The County relies solely on the coastal plain aquifer for its drinking water supply source. Increased growth and demands have resulted in pumpages exceeding aquifer recharge. Additionally, the Chesapeake Bay TMDL is challenging local governments to reduce nutrient discharges to surface water.

Anne Arundel County is pursuing an integrated approach to address both water supply resiliency and nutrient reduction in the Chesapeake Bay. A key element of the strategy is to explore the potential for Managed Aquifer Recharge to help offset aquifer level declines through groundwater injection of wastewater processed through additional advanced water treatment while reducing surface water discharge. We have implemented an advanced water treatment plant pilot system based on carbon-based treatment technologies that have proven extremely successful at producing water, meeting the California 12-10-10 log removal standard. Our next step is to pilot the actual recharge well to demonstrate the capabilities of the technology and the aquifer chemistry to inform future production level installation.

At this time, however, the state's regulations do not allow the recharge of treated wastewater effluent to the aquifer, even at levels that exceed drinking water quality. We are actively pursuing the necessary legislative and regulatory change to allow this and believe a continued national emphasis on the acceptance of these technologies and approaches is essential to securing approval. This PCAST report can hopefully serve as a catalyst to advance the understanding of the challenges we face along with the technologies available to mitigate the impacts on groundwater supply and the health of our surface water.

Below are our responses to the six questions posed in the request for input:

- How can we enhance the timely collection of data on groundwater inventory, use, recharge, and flow across the United States to gain a whole-of-country picture of the nation's groundwater resources?
 - a. Develop comprehensive regional groundwater models that extend beyond jurisdictional boundaries that are integrated with surface water to provide information on key impacts such as land subsidence, saltwater intrusion, and stream base flows.

- b. Include sufficient monitoring wells to support a highly accurate and credible model recognizing the heterogeneity of the aquifer systems.
- c. Provide support for regular updates to the regional models to ensure information is analyzed and utilized and current groundwater allocations are correctly represented.
- d. Employ machine learning and other AI technologies to synthesize the vast amount of data and information already possessed in various forms under various federal and state agencies.
- How can we effectively model and predict changes in the inventory, recharge, and flow of groundwater in the context of the overall water cycle and provide that information to stakeholders and decision-makers?
 - a. Include in the predictive analyses the probabilities and tendencies for municipal users to alternate between groundwater and surface water supplies, pending climatic impacts. (i.e. during drought shift use to groundwater while during wet weather periods, shift to surface water).
 - b. Create frameworks and strategies that manage the "shifts" noted above in order to control inventory flux and changes in the water cycle.
 - c. Utilize data from localized events such as droughts and/or abnormally wet periods to review model information.
- How can we efficiently scale groundwater recharge while mitigating risks?
 - a. Encourage the use of pilot/demonstration scale re-use facilities designed with advanced water treatment technology.
 - b. Center design parameters around local area groundwater chemistry and aquifer transmissivity.
 - c. Establish best practices at the national level, implementable to the local level as informed by the local issues and challenges (i.e. membrane treatment may not suitable at all locations because of residuals management),
 - d. Establish licensure recommendations for operations of potable reuse recharge systems.
 - e. Develop a national framework that supports local regulatory rule-making.
- How can we ensure clean and safe groundwater, especially for the communities that are affected most by groundwater contamination and depletion?
 - a. Develop mapping that overlays contamination sources (i.e. military bases, airports, fire training facilities, landfills, etc.) with communities, especially those that are impacted by Environmental Justice, reliant on groundwater to develop protection strategies.
 - b. Similarly, map agricultural land use with high groundwater withdrawals with nearby groundwater communities to develop management strategies for conservation, crop selection, and reuse opportunities, including spray irrigation, shallow basin infiltration, and deep well injection.
 - c. Develop protection strategies for coastal communities impacted by saltwater intrusion using recharge to create pressurized barriers repelling intrusion.
 - d. Where possible, simplify grant processes to make it easier for smaller communities and jurisdictions to access supporting funds.

- How can we engage with communities to successfully ensure a sustainable supply of groundwater, including for agriculture, industry, energy, human consumption, and healthy ecosystems and biodiversity?
 - a. Describe how a "One Water" approach to managing the resource while sustaining the viability of all the end uses of water is essential to maintaining our quality of life.
 - b. Describe how human behavior fits into the "reduce, reuse, recycle" concept commonly used in solid waste with our management of water resources in order to mitigate the quality and quantity concerns.
 - c. Describe the value of water versus those of other life-supporting commodities like energy. Energy can be created via numerous sources (fossil fuels, wind, solar, geothermal, etc.), whereas water is finite and only renewed through reuse practices.
 - d. Envision the world with growing populations and demands for resources against a finite essential resource that is becoming increasingly difficult to harness.
- What strategies and incentives can help limit groundwater over-use?
 - a. Create a value for water commensurate with its importance to society. Then, create a financial incentive that increases the water budget, with revenues/recharges increasing while expenditures/withdrawals decreasing.
 - b. Develop a generational timeline of water resources that forecasts, under different scenarios, the future supply of water against actions that are taken today. Demonstrate how today's perfunctory decisions, including maintaining the status quo, can influence widely variant future scenarios.
 - c. Create and widely publicize short-term goals for mitigation that set a path towards achieving long-term objectives similar to those introduced for climate change.

Sincerely,

Karen Henry Director

Karen Henry

Section 7: Central Valley Project Water Association

Written: 7/8/2024

Subject: Groundwater and Surface Water Supply Management and Resources

To Whom It May Concern,

I am the Executive Director of the Central Valley Project Water Association (CVPWA). Prior to my current position, I worked for the Bureau of Reclamation for over 22 years, working on multiple program and policy issues. The CVPWA represents approximately 60 Central Valley water districts in the State of California. We offer membership to those water districts that have Federal water service or repayment contracts with the U.S. Bureau of Reclamation.

Recently, we saw the groundwater webinar posted from December 23, 2023, and that there was also a request for public input. Unfortunately, we discovered this request too late to be able to provide input.

As I am sure this council is aware, the Central Valley in California has experienced extreme drought and an increase in regulations related to endangered species protection over the last several years. Due mainly to these two circumstances, there has been a decrease in surface water supply and a severe overdraft of groundwater resources. This has caused a major hardship on agricultural and municipal water contractors and serious subsidence in many areas throughout the valley.

I am sending this email to be included in any future webinars or workshops related to water resources and management that could potentially impact my members of the CVPWA.

Thank you for your time.
Brooke White (She/Her)
Executive Director



ARTIFCIAL INTELLIGENCE



Section 1: Lynn Etheredge Written: 7/6/2024
Subject: AI (Claude) Suggestions for Accelerating Science!
Re: PCAST report on AI
Dear Colleagues: I recently sent some ideas to NAS/NAM for their future agenda, based on Claude.ai suggestions. Thought you might find of interest!
Lynn Etheredge
Dear
Thank you for your note! I am delighted to hear that AI is inspiring the NAS/NAM agenda!!
FYI, I was "conversing" with Claude.ai a few minutes ago about whether AI experience suggests new models for how to accelerate scientific discovery.
Thought you might be intrigued by Claude's initial ideas!
LE: A Science of Rapid Learning Systems. I authored the attached paper on "11 Models for A Science of Rapid-Learning Systems" pre-AI & LLM. I was intrigued by #4 (Green Revolution Model) as it was used by Norman Borlaug and likely helped save a billion lives. With the recent advances in AI and acceleration of data-science for discovery, can you suggest other models and variables to consider?
Claude:
Thank you for sharing your fascinating paper on models for rapid-learning systems. It provides an excellent overview of different approaches to accelerating scientific discovery and knowledge creation across various domains. Given the recent advances in AI and data science, I can suggest a few additional models and variables to consider:
1. Al-Augmented Discovery Model:
RL = HD + ML + HE
Where:
HD = High-dimensional data

ML = Machine learning algorithms

HE = Human expertise and interpretation

This model emphasizes how AI and machine learning can rapidly analyze vast, high-dimensional datasets to identify patterns and generate hypotheses, which human experts can then interpret and validate. This approach has shown promise in areas like drug discovery and materials science.

2. Federated Learning Model:

RL = DD + DT + PS

Where:

DD = Distributed datasets

DT = Decentralized training

PS = Privacy and security preservation

This model allows for learning from multiple datasets across different institutions without compromising data privacy, which could accelerate research in fields like healthcare where data sharing is often limited.

3. Active Learning and Adaptive Experimentation Model:

RL = IH + AE + RT

Where:

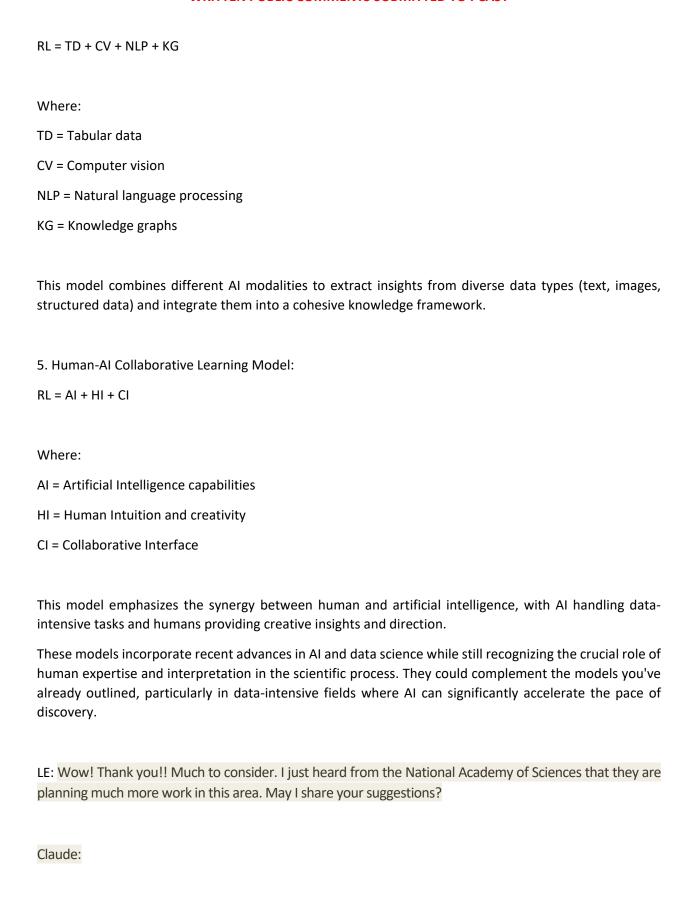
IH = Initial hypothesis

AE = Automated experimentation

RT = Real-time theory refinement

This model leverages AI to continuously design and run experiments, updating hypotheses in real-time based on results. This could dramatically speed up the experimental process in fields like biology and chemistry.

4. Multimodal AI Integration Model:



Certainly! I'm delighted that you find these suggestions valuable. You're absolutely welcome to share these ideas with the National Academy of Sciences. It's wonderful to hear that they're planning more work in this crucial area of accelerating scientific discovery and learning. The National Academy of Sciences is a highly respected institution, and their involvement could significantly advance the development and application of rapid-learning systems across various scientific disciplines. Sharing these ideas could contribute to broader discussions and potentially inspire new research directions or collaborations. Given their expertise and influence, the National Academy of Sciences could provide valuable insights into how these models might be refined, implemented, or integrated with existing scientific practices. They might also be able to identify potential challenges or ethical considerations that should be addressed as these approaches are developed further.

If you do share these ideas, it might be worthwhile to emphasize that these are preliminary concepts inspired by recent AI advancements, building upon the solid foundation of models you've already outlined in your paper. The integration of these new approaches with established scientific methods and existing rapid-learning models could be a particularly fruitful area for discussion and further development.

Thank you for considering sharing these ideas. It's exciting to think about how continued work in this area could accelerate scientific progress and potentially lead to breakthroughs in addressing complex global challenges.



CYBER PHYSICAL RESILIENCE PUBLIC COMMENTS



Section 1: Joseph Yuna

Written: 7/8/2024

Subject: (U) PCAST_Cyber-Physical-Resilience-Report_Feb2024

UNCLASSIFIED

From a 50 year career as a Naval Aviation Engineering Officer, now System Engineering Technical Advisor for the USAF CROWS office, and one of the key authors of the GAO cited System Security Engineering (SSE) Cyber Guidebook (SSECG) v5.0, I see no OUSD(R&E) involvement or existing Cyber Resiliency expertise in practical terms as was cited in the SSECG v5.0 or work done under OUSD (R&)E Cyber Resiliency working groups with the Army Research Laboratory (ARL) using real aircraft and vehicle systems that are CPS.

NIST SP standards are just that, and there existed one for CPS already.

The problem is that we have relied on academic and FFRDC for too long without consulting those actually doing such work.

The real Resiliency Subject Matter Expert one should be reading and consulting is Scott Jackson for this E.O. directed work along with reading through what already was proven for Cyber Resiliency testing by the OUSD (R&E) sponsored Cyber Resiliency working group over now 2 years ago.

Upon request as non-CUI, one can obtain the former SSECG v5.0 along with the OUSD CR findings and results.

Strongly recommend that this not be viewed from a Cybersecurity perspective that has proven to fail along with the use of NIST RMF Controls for prevention and mitigation strategies, or the use of the overwhelming MITRE CR taxonomies that is software centric; but propose discussing and using the existing practical expertise of the DHS ICSJWG already dealing with National Infrastructure along with the DoD Cyber Resiliency expertise and proposed ARL and USAF SSECG v5.0 Cyber Resiliency material and testing results for future practical implementation of the PCAST CR Report going forward.

A great report long overdue. But sadly impeded by the over reliance of NIST RMF Controls and its parent CSF, and not having these CPS under the organizational if not DoD CTOs vice CIOs.

Regards,	
Joseph D. Yuna (he/him)	



MISCELLANEOUS PUBLIC COMMENTS



Section 1: Olinto Rosales

Written: 7/25/2024

Subject: Information for President Joseph Robinette Biden / With copy to OSTP/ With copy to PCAST

Government of the United States of America-White House President Joseph Robinette Biden With copy to OSTP With copy to PCAST

Distinguished and respectable President Biden; receives my most respectful greetings and sincere admiration for having the opportunity to write to the President the Government of the United States of America; the most important in the World. My name is Technologist Olinto Rosales, president of Tecno Saber 3000 C.A., a company dedicated to research in the field of renewable energies, the chemical industry, biomedicine and the development of educational products to improve science education. Distinguished and respected President Biden; it is a great honor for our company to be able to share with you the most important results of our research on Climate Change that you will be able to see summarized in the following video of our YouTube Channel @TECNOSABER3000CA: https://youtu.be/jW1yFnqD2JQ. It is important for me to point out that the calculations and models developed during decades of research in my company, indicate a catastrophic event that is occurring in our Solar System due to the rupture of the balance of the amount of Dark Matter and Dark Energy that compose it, which has repercussions as the main cause of the Climate Change of the Planet, unknown until now.

Distinguished and respectable President Biden; attached you will find a Scientific Paper.PDF; in which, researchers from the Department of Theoretical Physics of CERN in Geneva-Switzerland and the Department of Theoretical Physics of the University of Geneva-Switzerland; with the help of physical and theoretical models give a strong support to the value and scope of our investigations. Distinguished and respectable President Biden; according to our investigations on how this catastrophic event is produced, the main consequences would be: The end of the existence of life on Earth (within no more than 3 decades) and the destruction in the near future of our planet as a celestial body (within no more than 120 years).

Distinguished and respected President Biden, the veracity and verification of all the information provided by our research can be validated in a very short time; with the immense scientific and technological capabilities of the NASA Space Agency and other related government agencies such as NOAA (National Oceanic and Atmospheric Administration).

Distinguished and respected President Biden; this tragedy can be averted by a solution that our company has been working on for more than a decade. To achieve this goal, we must do everything we can to bring governments, financial and venture capital institutions, universities and research institutes around the world together with our company to join forces in building the urgent and valuable solutions needed to overcome this crisis. That is why we want to incorporate the Best University in the World, the Massachusetts Institute of Technology; it's great human talent and technological and research capacity to help accelerate, materialize and coordinate all the initiatives necessary to achieve the objectives that

will allow us to definitively stop the planet's climate change. Distinguished and respectable President Biden, our solution is based on Quantum Vacuum Energy; you can learn more about it in the following video of our YouTube Channel @TECNOSABER3000CA: https://youtu.be/vE1psMqE614.

Distinguished and respectable President Biden, given the important and urgent situation indicated, I wish to request that once the veracity of our data is verified, kindly mediate for our company to receive from the U.S. government a funding of 900 billion USD. I also ask you to mediate to receive a philanthropic donation of 900 billion dollars from investors, philanthropists and organizations (public and private) integrated or associated with the SOLVE-MIT-2024 awards, where we have the immense honor of participating with our solution and in which we share the most important data of our research.

Distinguished and respectable President Biden; unfortunately the link: https://solve.mit.edu/challenges/2024-global-climate-challenge/solutions/86360; with all the complete information of our solution, was removed from the web page of the award; as well as all the other links of other solutions also registered and contributed for different global challenges of the SOLVE-MIT-2024 awards were removed:

- 1) https://solve.mit.edu/challenges/2024-global-learning-challenge/solutions/89598
- 2) https://solve.mit.edu/challenges/2024-global-economic-prosperity-challenge/solutions/83248
- 3) https://solve.mit.edu/challenges/2024-global-health-challenge/solutions/91102

However, a very brief version of our solution can be found at the link: https://solve.mit.edu/challenges/climate-adaptation-challenge/solutions/77112, our participation in the SOLVE-2023 awards, date from which we are insisting on being heard. All evidence of the above information can be found in the attached compressed file named BOYCOTT EVIDENCE. WinRAR.

Distinguished and respectable President Biden; finally I would like to make a personal request, unfortunately due to great difficulties in my time as a university student, I was forced to abandon my university career of Degree in Chemistry, when I was studying at the University of the Andes in Venezuela. Distinguished and respectable President Biden, my request is that given the importance and transcendence of my scientific and technological discoveries, the Academic Authorities of MIT could grant me via honorary degree the following academic titles:

- 1. Degree in Physics
- 2. Degree in Chemistry
- 3. Electrical Engineering
- 4. Master's Degree in Nuclear Science and Engineering
- 5. Doctorate in Theoretical Physics

Hoping for the best collaboration of the important Government of the United States of America; which it is a part and the receptive opportunity to work together, I send you my best regards.

Technologist Olinto Rosales
President of Tecno Saber 3000 C.A.

Telf. 0058426-7316839/0058243-2722553

Mail: olinto.rosales@gmail.com, tecnosaber3000ca@gmail.com

Section 2: Sean McCleary

Written: 8/3/2024

Subject: Information for President Joseph Robinette Biden / With copy to OSTP/ With copy to PCAST

Hello, I wanted to send over this work of mine for the public comments section on your next meeting agenda. My consciousness began evolving here in the Fall of 2011 around 12 years and 10 months ago. Now my biological and physiological aspects of my body are responding and I can really feel this now. I know my DNA is being affected now. My consciousness and evolution has advanced a lot more now And I'm waiting for the physical advancement which will be extremely significant And everybody's going to see this around me. People are starting to know us now because I'm only taking in about 800 to 1,000 calories a day and I feel absolutely fantastic.

Calories in food represent energy that the body is taking in and processing of course. But my body and consciousness is incorporated into the Higgs field, the fabric of space-time and existence. So I'm evolving out of the resistance here and food is not my primary source of energy. I can explain all of this easily but I needed to share something with you all. This is what I just posted on Facebook and The material in this information reflects what I'm speaking of with advancement.

Thank you and love you all,

Sean P. McCleary.

Very important information associated with the upcoming events and Earth's evolutionary advancement. I'm going to make sure this information gets to the President's Council of Advisors on Science and Technology and the Whitehouse Staff. I'm dedicating this material to my cousin Kristin Ferguson and my extended family. Thank you so much for believing in me and my work Kristin. Love you lots.

This is my cousin Kristin Ferguson. I was looking at her post and saw this picture. Really good picture and I can't wait for my extended family members to see what happens with me, my work, the scientific community, the Whitehouse, the Pentagon, world leaders and embassies everywhere and the Vatican. I'm going to prove that the fabric of space-time is made up of frequency vibrations of consciousness, energy and thought and along with these are different degrees of pressure within the different charges of light and dark energy within the vibrations that are responsible for the evolution of subatomic particles and the foundation for matter.

This is going to be the biggest deal the world has ever seen because with the introduction of the Shift in Consciousness comes the introduction of the Paradigm Shift in the scientific community which gives rise to the Quantum Shift with computers, technology, electricity and human consciousness. What's also happening is the connection between Earth and Heaven is now being established and my physical body is being affected by this process now. I've been telling people for a long time this was coming and now I know it's right around the bend soon because of the amount of time that has passed now since the fabric of space-time, Earth, Mother's Body and Consciousness and Eternal Consciousness were affected. Non coding DNA in living organisms is going to begin evolving and advancing with this process and the suffering here will end globally. This will be the beginning stages of world peace as well. I know exactly what I'm

talking about. Everyone is going to be very deeply and profoundly affected by the evolution of eternal life, eternal love, eternal peace and eternal truth here as both elements of life and death evolve into one another globally.

I remember running around with Kristin and Derek, her brother when we were children with the grown ups in our family who were like really cool hippies back in the late 70's and early 80's. I've got some cousins and other family members out there who are going to lose their minds completely when this starts happening here. Earth is going to start feeling different to the population of life here and I mean that in a very powerful and wonderful way. Consciousness and the fabric of space-time are evolving here with the Higgs field. This is all information that's new or apocalyptic to the scientific community, the government and religious organizations everywhere. But because the scientific community is governed by the standard model of physics it means that this activity over the past almost 13 years has been undetectable by any sophisticated equipment.

It's just like the population of humanity hasn't been able to see, feel or detect this coming for a long time until Earth completes the cycle of evolution where all of the resistance to evolution processes out of Earth's body, consciousness and then the activity contained within world consciousness where the activity of life is contained. If you're reading this you may say, "well how do you know about this then"? It's because the fabric of space-time and the Higgs field evolved directly through my pineal gland along with the resistance to evolution almost 13 years ago. Here's the thing about this though.

Other people around me weren't affected by this because an individual or catalyst had to first be responsible for processing out the resistance to evolution before this could be introduced into the population of life. That happened to me and the suffering that I went through in the past 12 years and 10 months was like a literal Hell coming through my body and consciousness. The pain and trauma contained within Earth's body and consciousness that had been stored in different areas from years and years of horrific activity in the human race like wars, hunger, illness, imprisonment, terrorism, torture, violence and especially addiction had to process through myself, Earth, the Milky Way galaxy and out of the body of galaxies completely. I'm now beginning to feel freedom everywhere in the body of Mother's Body and Consciousness.

She's also having a spiritual awakening and joining Eternal Consciousness completely. I can easily explain the nature of this situation with what happened with the evolution of matter and the evolution of life for the very first time billions of years ago. There have been many predictions, prophecies and theories about the Shift in Consciousness and Earth's evolutionary advancement over many years now. The book The Celestine Prophecy was written a long time ago and it contains similar information about what's going to happen here soon. My life has gotten really different and really awesome, my biological and physiological state in my body is now being affected and I'm on my way with this situation now.

The reason is that human beings and human consciousness along with other life forms here have been operating with the same perception of reality here with the fabric of space-time in the Milky Way galaxy and Earth's environment. The clock has 12 numbers which represent hours of the day. The calendar has 12 months which represent a calendar year. My consciousness evolved into the fabric of space-time in the fall of 2011. It's been 12 years and 10 months now that my consciousness and evolution with Earth have been incorporated into the fabric of space-time. This means that when I hit and cross over the 13 year mark of me doing this that the entire perception and perspective of the population of life here is

going to begin "shifting" completely into a different reality which is based in eternal life, eternal love, eternal truth and eternal peace. Also both elements of life and death globally are evolving into one another and the resistance to evolution between the two elements is transferring out completely.

If you're reading this and saying, "hmm, this sounds interesting and possibly promising but I'm not sure I understand what he's talking about". I could take you step by step from the beginning of the birth of Mother's Body and Consciousness (universal) what happened with the population of life in the body of galaxies before Earth, why planet Earth exists, why the human race exists, why human beings have the current perception of reality, why the aging process happens, what happens with the experience of death and evolution of consciousness into the Whirlpool galaxy (Heaven), how Heaven and Earth are connecting and why the Shift in Consciousness is happening in the first place.

All of this information is going to be very easy for people to understand soon because there's a very uncomplicated basis or foundation for everything in existence and it begins with the existence and evolution of consciousness. I told the Whitehouse what was happening with myself and Earth, many people in the scientific community, embassies worldwide, the CIA, DAPRA, IARPA, the Pentagon, the Department of Energy and many others. You know what's really ironic is that I can explain all of this information very easily but no one from the government here, the Whitehouse or scientific community has asked me to talk to them or meet with them. I've engaged with emails, published 4 books, several articles, had my work posted on the PCAST website (President's Council of Advisors on Science and Technology) and have been discussing my work with different people around the world.

But, I'm talking about being able to easily explain the nature of existence everywhere beginning at the most basic and fundamental level. Have you ever seen that movie Phenomenon with John Travolta? It's an older movie but a really good one. He gets hit by a bright light in the sky on his 35th birthday and starts getting super smart like miraculous intellect. Or how about the movie Powder with Sean Patrick Flannery. Funny he played that character who was advanced with eternal love and intelligence more than anyone has ever seen before and my name is

Sean Patrick McCleary, very close and not a coincidence. People make movies about miracles in others and talk about miracles happening causing very powerful advancement in others.

But when it actually happens to someone like what happened to me in 2011 it's not like a warm welcoming party at all. I've been sending the most powerful information about Earth, the evolution of matter, the process on what happens with the experience of death and transfer into Heaven, why human beings exist, why people think like they do and perceive reality here like they do and much more to the most powerful government and scientific institutions in the world. I know why nobody has picked up the phone and called me to run tests, meet with me, talk to me about what I know etc.

I could be incorrect and if I am, I apologize okay. But I think some very powerful and important people reviewed the information I've been sending out and didn't want anything to do with finding out if I was telling the truth or not. I think they've been intimidated because I can explain the basis of everything in existence and how matter and life evolved into the body of galaxies, and how the big bang happened in very specific and quantum detail. I know how the body of Mother (universal consciousness) was born and came into existence. I also know why and have explained this to them as well. I already thought about this before. If people in the scientific community and with the government reviewed the information which I

got confirmation they did then they would think to themselves if he knows all this and it's true what's going to happen with our jobs, careers and the entire scientific community.

Everything would collapse in on itself and the economy would be severely affected. So would the religious community because I can explain Jesus' evolution here and why, why Heaven exists, the nature and role of the Holy Trinity and what happens with the experience of death and evolution into Heaven. All of this information is based on unconditional eternal love and religion is different. I can easily explain why the Bible was written the way it was and why religion existed here. Jesus wasn't crucified and there's no place of Hell. Want me to easily explain that last statement?

Heaven is a place of eternal life, eternal love, eternal peace and eternal truth. The Holy Trinity's consciousness and eternal love serve as the foundation for Heaven. If say 40-65 percent of the human population was in Heaven and the other 60-35 percent of the human race was in a place of eternal suffering and damnation then all of the people in Heaven would know this and the human race is one collective form of consciousness here. There's just very powerful separation here due to different degrees of resistance to evolution in the human body and consciousness. I can explain how this happens and why. If only a percentage of human beings in Heaven who exist with eternal love and eternal peace where the most powerful form of forgiveness exists knew that there were other people in a place of torment then Heaven wouldn't be Heaven. It would be full of sadness and conflict. Heaven couldn't exist if there were Hell.

Let me explain why. Human beings evolved into Earth's consciousness and environment from both divinity and in a scientific nature like Darwin explained with his work. Earth has a consciousness and memory is stored in space-time in Earth's consciousness and in world consciousness as well where life is present. The absolute and eternal truth about the origin of life and especially what happens with the experience of death and evolution of consciousness into Heaven didn't evolve into the most recent evolution of Homo sapiens 300,000 or more years ago. Life and death are the two primary elements contained within the behavior of matter, energy and pressure in space-time here globally and universally. The human race hasn't known about life, death or why Earth exists in the first place. Humanity and life here had to forge their own destiny as time progressed. People haven't understood death and it's not what people or a lot of people think. There's been more uncertainty and fear associated with death than anything else here.

Death is an element of consciousness and energy contained within Eternal Consciousness, Mother's Body and Consciousness and Earth's consciousness as well. Life doesn't die here because of death okay. Life goes through the experience of death here because the resistance to evolution is so powerful here. This primarily comes from people thinking that when living organisms die that that's the end of their life forever. That's where the most powerful form of fear in existence originates from within consciousness. People and life evolved here in the consciousness that evolved into the first life form in existence (Mother, universal consciousness) right after the big bang. There was the eternal beauty of birth and then there was the pain from birth and very powerful uncertainty associated with life being established as a separate identity within consciousness who has existed forever. Eternal Consciousness has always existed with eternal life and eternal love.

There wasn't any subatomic activity until about 13.8 billion years ago which is really new compared to the eternal existence of consciousness. What happened was a point came when pressure on the most fundamental level within the frequency vibrations of consciousness, energy and thought began to expand

further than what had always existed because Eternal Consciousness had been evolving and advancing into infinity. An increase in pressure and expansion was evolution calling for something different to happen and this is when the element of death was introduced. Eternal Consciousness thought for a very powerful moment that death was going to happen and it caused a different charge of energy to be introduced into a particular location in Eternal Consciousness. There has always been a particular charge of energy associated with eternal life in Eternal Consciousness which is now represented as a positive charge of energy. When death evolved into this location it caused what's described now in physics as a negative charge of energy which evolved into this location.

When these two collided in this location the beginning stages of the early developmental period of the first life form who began evolving into existence who's an enormous female life form which contains trillions of galaxies. I figured out with my work where the neutral charge of energy originates from. I saw it in my consciousness. Just think about the Milky Way galaxy for a second, or Earth as a planet or a star okay. The concept itself and just the simple existence itself of a star, galaxy or planet are what they are because of evolution. Just the simple existence of matter because matter evolved into existence is where neutrality or a neutral charge comes from, it's like it's just a given and contains substance and energy. Consciousness doesn't have to do anything to know that a planet is a planet or a star is a star. Understand that?

The human race and life here didn't really understand anything about existence, life or death. How free could your will be like this? There just hasn't been much of a will to operate from here and a lot of chaos, insanity, pain and suffering. The pain of the birth of Mother's Body and Consciousness and the evolution of matter evolved into Earth and life here. Human beings and other life forms have contained the concept of non-existence in their bodies and consciousness primarily due to the uncertainty associated with the experience of death. This is also where black holes originate from in the body of galaxies. The concept of non-existence globally is very, very powerful.

You watch TV or a movie, or everyday in life here people refer to others in past tense who've been through the experience of death as "being dead". Like, "what happened to so and so"? Oh they've been dead for years. This is a fallacy. All living organisms globally go through the experience of death from the resistance to evolution and evolve directly into the Higgs field, the fabric of space-time and advance through Mother's Body and Consciousness and into Heaven. This is happening right now globally with all living organisms including microorganisms of course. I know why the coronavirus emerged into the population of life here in 2020. I'm not talking about any conspiracy theories either. I'm talking about why this microorganism showed up at this particular time, why the lungs were primarily affected and how this relates to the preliminary stages of the Shift in Consciousness and my evolution here. Evolution begins at a reference point and works its way into everything from that central location where the increase in activity began.

This happened to my pineal gland, brain and body and has been everywhere. The reason that other people couldn't see, feel or detect what was happening with myself, Earth, Mother and Eternal Consciousness is because of the resistance to evolution contained within the body and consciousness. The Higgs field contains the foundation for eternal life and eternal love and permeates throughout the body of galaxies and into Eternal Consciousness. A consistent flow of eternal love has been evolving into Mother as a life form and all of the activity in the body of galaxies. The Higgs field evolved through the center of my pineal gland and then into my body and consciousness in the fall of 2011. You all have no idea what I've seen

and been through. I've been through the final war between good and evil and evil is in the process of dying everywhere now. Evil is based in a very powerful illusion of separation in consciousness that affects a lot of individuals.

People wonder if there's any life out in other worlds. The entire body of galaxies is teeming with life all over the place. Human beings even with the most powerful equipment haven't been able to see any other life forms because people contain the concept of non-existence in their bodies and consciousness in such a powerful way that they can't see or detect any other life forms in the body of galaxies. I'm not referring to planets who haven't yet established the elements to support living organisms. I'm referring to many other worlds in many other places that soon the entire human race will know about. The Shift in Consciousness is very close now and the current reality that's experienced here now is going to dissolve and a new reality will emerge that's based in eternal life, eternal love, eternal peace and eternal truth, and life and death evolve completely into one another. When the Higgs field evolved into my body and consciousness and my consciousness evolved into the fabric of space-time eternal life and eternal love evolved directly into my body. That's why I can see and feel all of this other activity that people can't yet. Like I said evolution works from a reference point out and out for me is globally into all living organisms.

What's happening to me is going to affect non coding DNA in living organisms globally. I watched a movie called Midnight Special with Michael Shannon and Adam Driver tonight. Excellent movie about a special child from another world. When the Higgs field and fabric of space-time evolved into my body and consciousness, so did the resistance to evolution contained within Earth's body and consciousness and the resistance to evolution associated with the birth of Mother's Body and Consciousness and what happened right after the big bang. I had no idea what kind of pain I was in for and soon the human race will know as well.

Forgiveness is a principle that is widely utilized here amongst human beings. I know some horribly tragic things happened here okay. But any victims of extreme violence who go through the experience of death evolve into Heaven and are very, very advanced, beautiful, empowered and contain no resistance to evolution. They couldn't it's Heaven. That's how they get there. The resistance to evolution comes out with death because death is more powerful than the resistance. They get up there and don't have any resentment, I'll will, anger, grief, sadness etc. The foundation for their existence is eternal life, eternal love, eternal peace and eternal truth. Those individuals themselves can easily express forgiveness to any one here who harmed them and only want eternal love and eternal peace for them. This is why all life forms enter into Heaven. Also, God, Jesus and the Holy Spirit knew that Earth evolved into a location very close to the origin of the big bang happened and knew there would be very powerful evolution here, life, death, birth, pain and resistance to evolution in very powerful ways.

God didn't do anything to anyone here okay. God's will is based in eternal life, eternal love, eternal peace and eternal truth. It couldn't be any other way in Heaven because resistance to evolution causes separation in consciousness and Heaven wouldn't be Heaven if God, Jesus or the Holy Spirit had separation in their bodies and consciousness. This is why they're called the "Holy" Trinity. God didn't allow anything bad to happen to people here either. Earth and life had to evolve close to the origin of the big bang because there was a very powerful experience of separation between the evolution of the fabric of spacetime with consciousness and the evolution of subatomic particles with the big bang. I can explain why the Bible was written the way it was and why religion happened here in different belief structures. It will bring

much comfort, relief and peace to everyone when they find out the truth associated with the Holy Trinity and existence in reference to the Bible. It's information that's apocalyptic and people don't know this yet.

There was a beautiful moment of creation and perfection introduced with Mother and the big bang; but there was also very powerful pain from birth and the uncertainty associated with the first introduction of life and matter. This affected the evolution of subatomic, atomic and molecular activity in different ways.

Earth had to evolve into this location because consciousness had to naturally evolve into a place close to the origin of the birth of Mother's Body and Consciousness so she could evolve and advance and the Shift in Consciousness could save her life. Earth and life here have played the primary role in saving existence entirely. This is why the pain has been so powerful here. The war in the Middle East needs to stop right now. What's happening to those people in the Gaza strip is unconscionable. I'm really upset about this situation over there and as soon as everyone feels Earth changing soon with eternal love and eternal peace the wars everywhere collectively and individually are going to stop immediately. I've been waiting for almost 13 years to show proof of the existence of consciousness everywhere and it's going to happen very soon. My biological and physiological aspects of my body are changing. I know my DNA is being affected now and changing too. Has to be because I feel and experience myself evolving physically now. Soon you all will be seeing me on international television and you're going to finally experience proof of what I've been working on for about 12 years now. Thank you for all of your support.

Sean McCleary.

Section 3: Armani Cobb Founder, Fresh Start Advocate Organization

Written: 8/4/2024

Subject: Fwd: * POLICY IDEA * Licensing Support for Reentry Program Graduates

Dear President, I am writing to you as the Founder of Fresh Start Advocate Organization to bring attention to a critical issue affecting individuals who are reintegrating into society after incarceration. Our organization is dedicated to improving reentry programs and advocating for policies that provide meaningful opportunities for those transitioning back into their communities. One of the most significant barriers faced by reentry program graduates is securing employment. Many employers are reluctant to hire individuals with criminal records, despite their skills and determination. This reluctance is often not based on the needs of the profession but rather on stigma and misconceptions about the capabilities of these individuals. As a result, countless reentry program graduates, who have successfully completed rigorous training and rehabilitation, find themselves struggling to gain employment in fields where they are fully qualified. To address this issue, we propose implementing a Licensing Support Initiative for reentry program graduates. By advocating for licensing opportunities post-program completion, we aim to provide these individuals with the credentials they need to overcome employment barriers and showcase their qualifications. Licensing not only validates their skills but also serves as a testament to their commitment to personal and professional growth. With our support, reentry program graduates can turn their skills and determination into professional credentials, opening doors to fulfilling careers and brighter futures. This approach benefits not only the individuals themselves, by enabling them to support themselves and their families, but also society as a whole by reducing recidivism and contributing to the economy with a skilled workforce. Licensing support can be a powerful tool to combat the biases that hinder reentry program graduates from securing meaningful employment. It provides a pathway for these individuals to demonstrate their readiness to contribute positively to the workforce, thereby changing perceptions and creating opportunities for successful reintegration. I urge you to consider the profound impact that licensing support can have on the lives of reentry program graduates and the communities they are reintegrating into. By breaking down these barriers, we can empower individuals to achieve their professional goals and foster a society that truly believes in second chances. Thank you for your attention to this important issue. I am hopeful for your leadership in making this initiative a reality and look forward to seeing positive developments in this area.

Sincerely, Armani Cobb Founder, Fresh Start Advocate Organization

Section 4: Rob Dalton, VNR1 Communications, Inc.

Written: 8/5/2024

Subject: New CORONA Virus Mutation Coming Now

Hello, My name is Rob Dalton, I am a Medium who channels messages from the other side of our world which most are unfamiliar with. I record them, catalog, and save them in a private library I keep. I have never been told share any until this morning. I understand you are leery of URL links, but I genuinely mean no harm. These are links to the raw file, on a web platform I use to convert Voice to Text. You can both Listen and Read along.

I have been advised to share this information for reasons which are not shared, but part of a larger Greater Good. I am a trusted source and conditioned to only speak truth. I hope you find these useful and purposeful, though nothing else can be done at this time.

Both messages came in this morning. Part 1, then followed by Part 2. I am not new to this, but I am new to you. I have nothing to hide, but share only what I am told to offer our administration and leaders.

Part 1 https://otter.ai/u/5JEKo2mgD-OOC8M9V-jm2-LDHvs?utm_source=copy_url

Part 2 https://otter.ai/u/5NuB1hbl-cklbPALCqj7wyCbu7E?utm_source=copy_url

Thank you, and I do understand an reluctance you may have. I am only the Messenger.

Rob Dalton,

Director of Operations

VNR1 Communications, Inc.

Section 5: Khawar Naseer.

Written: 8/14/2024

Subject: (Confidential) Energy research information

OSTP

This mail is not a spam. It is a serious work I am working on this Energy project for more than 17 years. In 2008, I had filed it in patent office I have appearance in newspaper and a lecture in seminar for working on this project. Now I am claiming it at a serious place because I have got peer review.

I am thinking for a positive change in the world keeping my interests aside so please don't doubt. This research can take 3 to 5 years before it Will remove every other energy technology. But its information now will save America from many problems.

Please, make sure that this matter is handled only by President office.

Hello dear Mr president,

I am an independent researcher. My work is in field of Energy and I feel Lucky to present you the complete solution of the energy crisis.

There is no need to mention that what is energy crisis and what is climate change. We are desperately doing many things yet we know that they are not feasible solutions. Now every country in the world is planning how they will tackle economic crisis, violent protests, food scarcity, migrations etc. But I want you to plan a smooth transition period before you get to the point of energy abundance.

Please, take my research very seriously and properly analyse it. It is very clear that my research will completely dump Solar panel industries, nearly all battery technologies, all new and old kind of engines etc. And a lot of industries will need to be changed if not completely closed.

If I will try to publish this work conventionally then there will be a panic and lot of problems for me. But I believe that presidents office is a better idea in dealing with this situation.

Furthermore, I want to mention that I have patent priority (year 2008) of this technology and I have not changed dates. Clearly I will not monopolise this technology, there will be no copyright or patent claim. I demand only one thing that all my work will be published by my name.

Technicals involved.

This technology has a mechanical complexity mechanical engineers are needed to verify condition of 'continuous non-equilibrium state. After this theoretical physicist can check remaining thesis.

I shall be sharing this research as confidential information for highest office of country. This information can also be shared by one head of state with other.

I have attached introduction file about research. Please allow me to share, complete research with you.

Khawar Naseer

Written Comment to the President's Council of Advisors on Science and Technology: Building Trust in the Science to Combat Malnourishment, Pandemics & Mistrust From the Perspective of A National