



# EMP Task Force on National & Homeland Security

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**David A. Moran**

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National and Homeland Security,  
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InfraGard, National Disaster Resilience  
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**To: David Borak**

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Date: 26 October 2023

Subject: Secretary of Energy Advisory Board July 2023 Meeting

To: David Borak,

We would like to thank Madam Secretary Granholm and this Energy Advisory Board for allowing us to update the Board on our efforts to educate and promote our concept of connecting Nanogrids to microgrids that are Electro-Magnetic Pulse hardened, from Geomagnetic Disturbances (GMD), to form Macrogrids in a EMP Hardened Grid of Grids scenario. With several recent Scientific Papers confirming the critical pragmatic aspects of the ongoing shift in relevance to our Sun, as it relates to our atmospheric electricity and global electric circuit, we see the need to educate as many people to this very real and imminent threat that GMD or any other major solar event presents to our critical infrastructures. The EMP Task Force has implemented a successful initiative that have spurn legislations considerations in Utah, Colorado, Texas, and Florida State Assemblies. With the Utah Legislative body ratifying and making into law, language to protect their Critical Infrastructure from EMP. We were also successful in getting EMP Hardening educating language onto the Charter laws of the Republican National Committee Platform at their Caucus in Milwaukee this past September, where it was also ratified.

We are happy to announce that Energy Field Security has been selected to the Herox's Ambassador Program sponsored by the American Made Challenge, in hopes of educating Peer Reviewers about GMD threats. Accompanying with the Task Force they are helping several microgrid projects across the nation to take advantage of the Herox's resilient, clean energy challenges. As well as, Energy Field Security's EMP Hardened Salus microgrid project, an Artificial Intelligent and Machine Learning AI/ML Distributed Energy Resource (DER) facility, where they will train and educate our next group of skilled workers. They are gaining additional interest and support in connecting their local CO-OP's utility operator's microgrid, to their local Rural Municipality's microgrid with a Defense Threat Reduction Agency's (DTRA) Small Business Innovation Research (SBIR) approved AI/ML controls for a new macrogrid of renewable energy in Delta County Colorado. Regionally, their Myriad Plan, a plan that



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protects a multitude of nodes working in Information Technology (IT) and Operational Technology (OT) from cyber and physical attacks, they're efforts are being bolstered with support by connecting the City of Rangley's funded EMP Hardened microgrid project, residing in the NW corner of Colorado to their Salus Project in Rural Delta County in the middle of the Western Slopes, to San Miguel Power Association in the SW corner in the great State of Colorado. Accompanying with this regional cooperative imitative they will be introducing these Cohorts to a couple of their Strategic Partners in the Small Modular Nuclear Fast Reactor realm, this technology that Idaho National Laboratory has perfected, is the process of producing Hydrogen from spent nuclear fuel rods, in support of Colorado's Hydrogen Hub storage commitment.

Although the Task Force has successfully identified several investing groups to help sponsor our efforts, and currently Energy Field Security is being vested to be funded for these new EMP Hardened microgrid projects, the Task Force would like to know at what level of participation does the Department of Energy like to assist us in protecting our grid from EMP threats?

We are all on board and ready to deploy, Deploy, DEPLOY, let us do it before our Sun destroy, Destroy, DESTROY.

With respect,

David A. Moran

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President / Energy Field Security

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We will be providing a transcript to David Borak



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