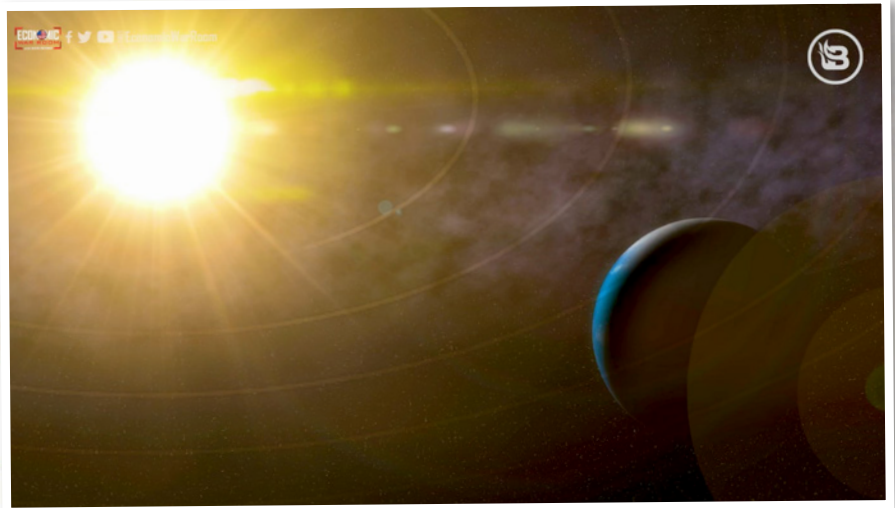


## **Economic War Room - EMP the Ultimate Economic War Against the You**

Over a half century ago, one of the biggest threats to national security and life as we know it was discovered. Operation Starfish Prime involved high-altitude nuclear testing. Unexpectedly, after the blast, electric grids as far as 1,000 miles away collapsed and electronics within line of sight were fried. Despite the seriousness of the discovery, the U.S. Government has mostly ignored the EMP threat. Unfortunately, our adversaries recognize the EMP weapon and have been looking at opportunities against our power grid. With technology and networking innovations, the U.S. is now more vulnerable than we have ever been before. Even without a perpetrated attack, a natural form of EMP could result from a Coronal Mass Ejection (solar flare) at any time. In fact, the best estimates are that we are already overdue for such an event,



This is **MISSION CRITICAL**, what you do with the information may be the difference between life and death. Finally, there is a group of thought leaders defying complacency and traditional warfare. It is time we build upon the thought leadership and innovation taking place in San Antonio, TX to protect ourselves.

**THE OBJECTIVE:** To provide a national all-hazards grid protection. Cyber defense and an EMP protection framework are being launched as pilot programs at Joint Base San Antonio in conjunction with civilian-led Cyber Secure San Antonio. The goal is to provide resilience for the multiple military bases located in San Antonio as well as the city itself. This can prove a model for the rest of the United States to defend our nation against a grid attack and economic warfare.

The 2018 Electromagnetic Defense Task Force Report is "the most downloaded base report for published electronic journals and materials. It has broken every university record for readership on the base with over twenty-six thousand readers right now."

-Major David Stuckenberg



**Your Mission:** This report is designed to give a credible real-world update of the real risk of EMP and other threats to the power grid. Your Mission is to share this and the video briefings with as many friends as possible. Also, communicate with your representatives in Congress. This is a critical non-partisan infrastructure issue!

[THIS IS NOT A DRILL, IT IS SERIOUS AND NEEDS TO BE IMPLEMENTED NOW. THE WORK IN SAN ANTONIO NEEDS NATIONAL SUPPORT.]

Getty Images



**"The next war will be a no contact war."**

**-Russian General**

**The next war will not be between human beings and bullets as much as contact between different electronic parts of the electronic spectrum.**



## **(OSINT) - Open Sourced Intelligence Briefing**

EMP threats - Includes Interviews with Ambassador/Former CIA Director James Woolsey, Major Stuckenberg, and General Kwast.

## **57 Years - Why EMP has not been addressed:**

**The primacy of learning:** The Primacy Effect is the observation that information presented at the beginning (primacy) of a learning tends to be retained and recalled over information presented later. It becomes part of your DNA. Like tying your shoe, that initial learning becomes intrinsic. The concept of EMP as a weapon is outside of the primary thinking of most military experts.

A disciplined Military Leader needs to be thinking not only in conventional warfare but unconventional warfare. Our military force must work across service divisions and understand that the enemy will come after us in new ways.

- Patton and Eisenhower were both innovative thinkers and both were almost court martialed at one point early in their military career.
- This is was also true of Billy Mitchell, who was court-martialed after he said (in 1925) that the Japanese would attack Pearl Harbor with planes that could bomb our ships.



Studying war history, it is common for military installations to not feel the need to bring new technologies and habits to bear. They have perceived strength based on old strategies. This forces the enemy to innovate and attack newly discovered weaknesses. This is how the Germans went around the Maginot Line in World War II, quickly subduing France.

Today, some in the Air Force have recognized and begun to address the problem. Unfortunately, due to primacy of learning, EMP is something many would just as soon ignore. People assume that when the power goes out, it's simply a matter of hours before it is restored. Worse, many leaders and utility companies have assumed EMP is a disaster scenario that cannot be addressed or is just too expensive to fix. So they remain willfully blind.

**THE PROBLEM:** Our economy and military superiority depends on a civilian power grid. Across air, land, sea, cyberspace and space, we cannot operate without the grid. Civilization as we know it depends on a resilient power grid.



### Background Risk Assessment: The Major Electronic Spectrum impacts all modern electronics and civilization in the U.S.:

There are 2 EMP threats to the our Power Grid, Mother Nature and Military attacks:

1. **Nature:** Sun and magnetic radio waves from solar flares can come close enough to earth and wreak havoc on the grid. It is only a matter of time before this happens again.
2. **A small nuclear bomb** (tiny blast) creates enough gamma rays for at least 1,000 miles away on a straight line of site basis.

In addition to EMP, there is a cyber threat that could cause major surges in the U.S. grid and a catastrophic effect to the US power supply with potentially equal impact.



**There is a one in 6 chance that we will be hit with a major solar flare attack in the next 10 years. -Lloyd's of London**

**A. A hit through solar flares or military attack on just one of our grids could impact the entire U.S. power network:**

- The ability to detonate one small military instrument, can have a catalytic effect across the entire U.S. power grid.
- There are three major grids: the Eastern, Western, and Texas.
- A sudden surge from one major grid, could impact the other 3,000 minor grids that are connected across the America.
- As other grids in the system try to pick up the load and the way it is distributed, it might cause failure across the entire network.
- There are between 10,000 and 15,000 transformers that comprise the U.S. electric grid.
- 80 percent of the power transformers in the U.S. are produced off shore, (many in South Korea and Germany) with lead times of up to one year or longer during normal demand times.

**B. As the electricity disruption cascades, it impacts all of society. The task force reports that:**

- Water systems would fail across the country.
- Communication systems would be gone.
- Financial systems and records could be wiped out.
- Planes might fall from the sky.
- Pharmaceuticals and access to medicines would be gone.
- Food and Grocery distribution systems would fail
- The internet of things, appliances and GPS all could be wiped out.
- Vehicles may or may not run if circuits are destroyed from the Gamma Rays.
- Gas Pumps would not be available to fuel cars or emergency vehicles.
- All key dependencies are at risk, every time we have innovation it creates vulnerabilities.

The Joint Base San Antonio Military task force report recognizes the need to take a more in-depth look at the key dependencies. We do not have assured capability, unless we've taken a look at every interdependent element.

A congressional report on EMP concluded:

"The pessimistic estimate of the number of Americans that would die in the first year from an EMP attack would be something like 90 percent of Americans dead or about 300 million people. The optimistic estimate was that it would only be two thirds of the American population dead or 200 million people." -Ambassador, Former CIA Director - James Woolsey



### C. Working Toward Solutions: A model for America - Joint Base San Antonio Military Complex Task Force and Cyber Secure San Antonio

- The Joint Base San Antonio Military Complex is one of the largest military and physical complexes in the United States and relies on the civilian power grid. Most of the military does not have its own power supply.
- Due to its size, the military and city government have recognized the potential grid threats and the importance of working together through the Cyber Secure San Antonio initiative.
- General Kwast and others in command of the installation took leadership to help build installation resilience with the city.
- Cyber Secure San Antonio is about defending our society and investing in strategies allowing us to enjoy all these benefits of the 21st century while addressing the vulnerabilities.
- The task force is teaching people how to think strategically critically creatively and conceptually to redesign the tools of national power that keep us safe.
- Part of this includes developing ways to protect the grid and modify it so that parts of the grid can keep going even if other parts are down.

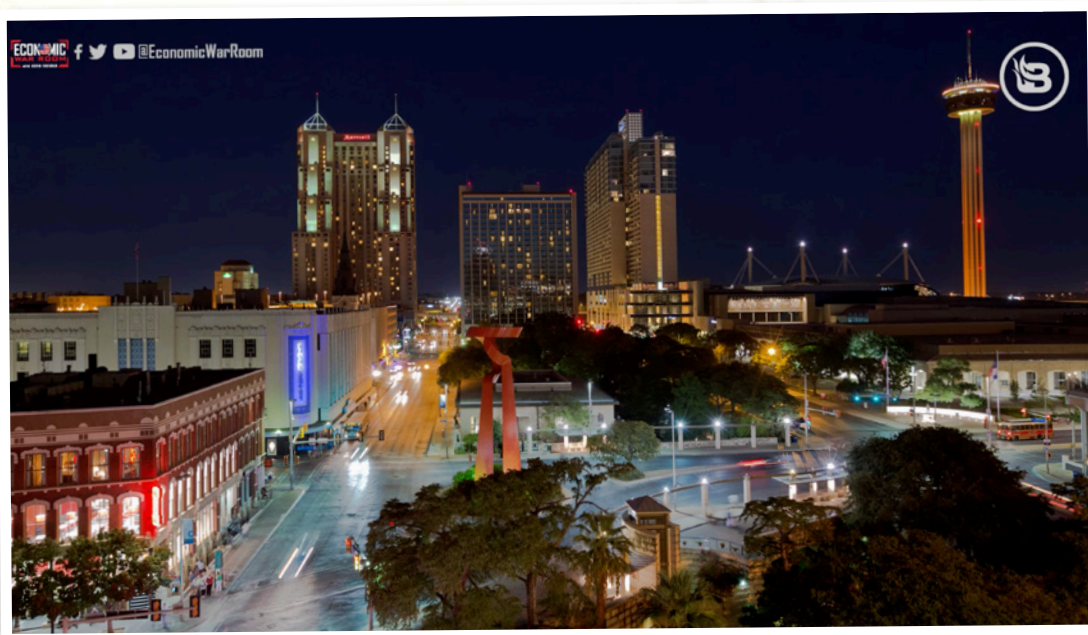


- If our adversaries understand we have the capability to protect our infrastructure, they will be a lot less interested in attacking it.
- As new technologies are implemented, this will bring additional benefits to humanity, much like the space program brought new innovations for all.
- Cyber weaknesses are being looked at as well. This includes how we leverage brilliant U.S private computer, software, and programmers to minimize cyber threats.
- The task force is working with cross-functional teams and leadership from 40 DoD government organizations and NATO. The goal is to break down barriers and ensure we win.

## **With Results: Good Economic News Ahead!**

### **D. Economic Benefits to the Greater San Antonio Area:**

- With a secure grid, the San Antonio market can provide new economic opportunity and new economic soil for business.
- Companies can relocate and know they are in a cyber- and power-resilient community, positioned to take America to the next level.



## Why You Should Care?

1. One way or another our grid is vulnerable and this represents an existential threat to survival. This could be a life or death scenario and potentially the end of America.
2. There is momentum starting in this area to focus on grid vulnerabilities. Recognize there are bureaucracies, military leaders, and politicians that can easily shut this down or refocus priorities based on old-war thinking.
3. The French thought they were secure with their great trenches from WWI making up the Maginot Line. Instead Germany attacked their weakest area, putting radios on tanks and instead of fighting in formation, they broke through the line and attacked the French from the rear.
4. America has the greatest military in the world, and many would say we are invincible. All our technology becomes useless from an EMP. Let's make sure our politicians understand.
5. This is not a national security issue that will take care of itself. It has been 57 years now. You need to stay active on this topic. Politicians need to know that you care, and this should be an election issue. Do not let this opportunity slip away!
6. There is an economic opportunity for America. A secure and resilient grid will attract investment opportunities and strengthen economic freedom for all.





## **Economic Patriot Action Plan**

As an economic patriot, you can make a difference.

**Step 1: Send this report and our short FB videos to your representatives in Congress.** Make it clear this is an issue you care about. Ensure they support Cyber Secure San Antonio and provide funding to secure our grid nationally.

**Step 2: Recognize there are economic benefits to a resilient grid for your community.** Look for more information coming soon on how your community can start to benefit by developing a resiliency plan.

**Step 3: Texans must support Senator Bob Hall's initiative to protect their state.**

**Step 4: Share this Economic Battle Plan™** and our short video segments with friends. We set up the Economic War Room to be your go-to resource for information, preparation, and mobilization.

- A. Get others to sign up and review our weekly [Economic War Room Economic Battle Plans™](#). Each of these will address critical solutions to the threats highlighted on this briefing.
- B. Subscribe to our weekly Economic War Room show on TheBlaze at [EconomicWarRoom.com](#).
- C. Follow, like, comment and share on [Facebook](#) and [Twitter](#). [We recognize these tools may be compromised at times, but when they are not filtered, they can be major platforms available to reach out to the public.]

***Thank you for accepting this mission.  
Together, we will make a difference!***

### **SHAREABLE THOUGHT:**

Lloyds of London estimates there is a one-in-six chance each decade that we are due for significant solar storm that could devastate our grid.  
**That's the same odds as Russian Roulette.**

## The EWR Collection Deck From Kevin Freeman

### QUICK SECTION LINKS

[Secure the Grid Coalition Website and Resource Bank](#)

[Background on Guests \(Director Woolsey, Major Stuckenberg, General Kwast\)](#)

[Starfish Prime History and the Science Behind EMP](#)

[Risk of Coronal Mass Ejection \(Solar Flare\)](#)

[Other Threats to the Power Grid](#)

[EMP Commission and Other EMP Findings](#)

[Electromagnetic Defense Task Force Report](#)

[EMP in Threat Doctrine](#)

[Lloyds of London Study and Other Projections of Catastrophe](#)

[Texas State Initiatives and Cyber Secure San Antonio](#)

[Things Our Nation Can and Should Be Doing](#)

[\*] Denote link of particular importance

### Secure the Grid Coalition Website and Resource Bank

Secure the Grid Website [\*]

<https://securethegrid.com/>

A Must-See Briefing

<https://securethegrid.com/a-must-see-briefing/>

The Implications of a Long-Term Black Out: A Presentation by the Secure the Grid Coalition

<https://securethegrid.com/vulnerability/>

Fact vs. Fake: Naivety and Misinformation Abounds (Countering the False Narrative) [\*]

<https://securethegrid.com/fact-vs-fake/>

### Background on Guests (Director Woolsey, Major Stuckenberg, General Kwast)

R. James Woolsey

<https://www.luxcapital.com/team/r-james-woolsey/>

LIEUTENANT GENERAL STEVEN L. KWAST

<https://www.af.mil/About-Us/Biographies/Display/Article/108470/lieutenant-gen%20eral-steven-l-kwast/>

Major David Stuckenberg, Author: Harvard Law on Water Scarcity, The Most Understated Global Security Risk



<http://harvardnsj.org/2018/05/water-scarcity-the-most-understated-global-security-risk/>

### **Starfish Prime History and the Science Behind EMP**

Starfish and Apollo (1962)

<https://www.wired.com/2012/03/starfishandapollo-1962/>

The 50th anniversary of Starfish Prime: the nuke that shook the world

<http://blogs.discovermagazine.com/badastronomy/2012/07/09/the-50th-anniversary-of-starfish-prime-the-nuke-that-shook-the-world/#.XFyuQi3Mwll>

### **Risk of Coronal Mass Ejection (Solar Flare)**

The Sun aims a storm right at Earth: expect aurorae tonight!

<http://blogs.discovermagazine.com/badastronomy/2012/01/24/the-sun-aims-a-storm-right-at-earth-expect-aurorae-tonight/#.XF92Mi3Mwll>

March 1989 geomagnetic storm

[https://en.wikipedia.org/wiki/March\\_1989\\_geomagnetic\\_storm](https://en.wikipedia.org/wiki/March_1989_geomagnetic_storm)

Sun's flares pose astronomical risk to comms networks

<https://www.ft.com/content/067ac142-8110-11e8-af48-190d103e32a4>

The Next Big Geomagnetic Storm Poses An Astronomical Risk To Modern Man

<https://www.zerohedge.com/news/2018-09-19/next-big-geomagnetic-storm-poses-astronomical-risk-modern-man>

Weather spacecraft will monitor huge solar flares erupting from the Sun

<https://www.telegraph.co.uk/science/2018/02/02/weather-spacecraft-will-monitor-huge-solar-flares-erupting-sun/>

Massive solar storm that will slam Earth TOMORROW could knock out power supplies, damage satellites and trigger stunning auroras

<http://www.dailymail.co.uk/sciencetech/article-5494489/Huge-solar-storm-set-slam-Earth-TOMORROW.html>

SOLAR STORM DAMAGE: THE HOLLYWOOD RISK YOU CAN'T IGNORE

<https://www.iltsspecialty.com/our-insights/thought-leadership/construction/solar-storm-damage>

### Other Threats to the Power Grid

MSNBC's Maddow: What Would You, Your Family Do If Russia Killed the U.S. Power Grid During the Polar Vortex?

<https://www.breitbart.com/clips/2019/01/31/msnbc-maddow-what-would-you-your-family-do-if-russia-killed-the-u-s-power-grid-during-the-polar-vortex/>

Russian hackers are said to have infiltrated US electric utilities

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Ted Koppel Light's Out on PBS

<https://www.pbs.org/video/chicago-tonight-ted-koppel-americas-vulnerable-power-grid-lights-out/>

### EMP Commission and Other EMP Findings

NIAC Report

[https://www.dhs.gov/sites/default/files/publications/NIAC%20Catastrophic%20Power%20Outage%20Study\\_508%20FINAL.pdf](https://www.dhs.gov/sites/default/files/publications/NIAC%20Catastrophic%20Power%20Outage%20Study_508%20FINAL.pdf)

Start prepping! Electric grid 'prime target' of terrorists, 'profound threat,' says council

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EMP Commission Reports Continue to Dribble Out . . .

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Assessing the Threat from Electromagnetic Pulse

<https://www.scribd.com/document/378714199/EMP-Report>

What if the Power Went Out for Good?

<https://www.heritage.org/insider/spring-2018-insider/what-if-the-power-went-out-good>

NUCLEAR EMP ATTACK SCENARIOS AND COMBINED-ARMS CYBER WARFARE by Dr. Peter Vincent Pry [\*]

[http://www.firstempcommission.org/uploads/1/1/9/5/119571849/nuclear\\_emp\\_attack\\_scenarios\\_and\\_combined-arms\\_cyber\\_warfare\\_by\\_peter\\_pry\\_july\\_2017.pdf](http://www.firstempcommission.org/uploads/1/1/9/5/119571849/nuclear_emp_attack_scenarios_and_combined-arms_cyber_warfare_by_peter_pry_july_2017.pdf)



THE HILL: Gathering nuclear storm threatens US, world by Peter Pry

<https://thehill.com/opinion/national-security/428818-gathering-nuclear-storm-threatens-us-world>

New EMP warning: US will 'cease to exist,' 90 percent of population will die

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2018 Electromagnetic Defense Task Force Report [\*]

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Military warns EMP attack could wipe out America, 'democracy, world order'

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EMP Attack May Be Undeterrable, US Air Force Suggests

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Solar storm researchers prepare for the 'big one' with new urgency

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**Texas State Initiatives and Cyber Secure San Antonio**

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