

(UPDATED / List of Grid Upgrade legislation & Supporters)

TEAMWORK !!

Introduction: It seems all my lawmakers (of both parties) are scared of their shadow with regard to “doing the right thing” in both “spending cuts” and “tax cuts.” So, I've found more “supporters” for both bills—and am updating my list accordingly.

But besides the “**tax cuts**” and “**spending cuts**” legislation needed, here is a THIRD (3RD) LIST of “Key Supporters” about *another* VERY important matter—which lawmakers need to address: “**Grid Upgrade legislation.**” (*I add: These are related: We must enact “spending” cuts if we want to fund these upgrades.*)

America needs to Upgrade/Harden, Secure, and **PROTECT** our Power/Telecommunications Grid. – THEREFORE, oh ye lawmakers, ye who be afraid—have faith and fear not: See how many **other** supporters there are, and stop cowering in fear: **ACT before we crash the dollar—or (as here)—crash the Grid!!**

By Gordon Wayne Watts,

Editor-in-Chief, *The Register* (GordonWatts.com / GordonWayneWatts.com)

National Director, **CONTRACT WITH AMERICA: PART II**^(TM)

(ContractWithAmerica2.com)

Date: Monday, 15 November 2021

My father (the late Bobby Watts, R.I.P., dad) once told me that if I was trying to fight a problem that was too big for me, to NOT “go it alone,” but rather, ask for help from others **to add their voice to mine.** To that end, here are lists (*with references*) of supporters of all bills for which I'm asking your advocacy & support, State and Federal **LAWMAKERS**—both of whom have jurisdiction to act. (In fact, city, county, & other local leaders can, theoretically, act to protect our fragile power/telcom grid—as can individual citizens, to some extent.)

Table of Contents:

(1) Trump EO (Executive Order) and related news

(2) Biden STATEMENTS AND RELEASES and related news

(3) Supporters: Trump, Biden, & Lawmakers—not a comprehensive list—simply representative to give an idea of broad support – in alphabetical order

** Local science experts: **(4) Jim McGuire** **(5) Gordon Watts** **(6) Jim Sapp**

** **(7) Former LPD Sgt. James Ring, currently U.S. Rep. C. Scott Franklin's (R-FL-15) community liaison aka outreach coordinator,**

** **(8) His boss, U.S. Rep. C. Scott Franklin's (R-FL-15), and: (9) YOU, dear reader**

** **(10) Other experts way smarter than you, me, James Ring, Jim McGuire, or even Jim Sapp-combined!**

** **MAGNETIC FIELD COLLAPSE: (11) News18; (12) Phys.org; (13) IndianWeb2**

** **DDoS (Distributed Denial of Service) Cyber-HACKING attacks:**

(14) Forbes ; (15) U.S. Sun ; (16) The Independent

** **SOLAR SUPER STORMS: (17) Solar Super Storm of 2012 ; (18) 1989 Storm ; (19) 2003 Storm**

(20) Key news: From George Noory (CoastToCoast:AM)

(21) Key Legislation: From the U.S. House of Representatives and the U.S. Senate

(1) President Donald J. Trump (R-U.S.A.) – “Trump Acts on Critical Infrastructure Resiliency Against EMP Threats,” by Sonal Patel, *POWER*, 26 March 2019,

LINK: <https://www.PowerMag.com/trump-acts-on-critical-infrastructure-resiliency-against-emp-threats>

Archive-1: <https://Web.Archive.org/web/20190327001215/https://www.powermag.com/trump-acts-on-critical-infrastructure-resiliency-against-emp-threats>

Archive-2: <http://Archive.vn/SdwSV>

Archive-3: <https://GordonWatts.com/TrumpActsOnCriticalInfrastructureResiliencyAgainstEMPTreats.pdf>

Archive-4:

<https://GordonWayneWatts.com/TrumpActsOnCriticalInfrastructureResiliencyAgainstEMPTreats.pdf>

Archive-5:

<https://ContractWithAmerica2.com/TrumpActsOnCriticalInfrastructureResiliencyAgainstEMPTreats.pdf>

“Executive Order on Coordinating National Resilience to Electromagnetic Pulses: INFRASTRUCTURE & TECHNOLOGY,” by President Donald J. Trump, *EXECUTIVE ORDERS*, Issued on: March 26, 2019,
LINK: <https://www.Whitehouse.gov/presidential-actions/executive-order-coordinating-national-resilience-electromagnetic-pulses>

LINK: <https://TrumpWhitehouse.Archives.gov/presidential-actions/executive-order-coordinating-national-resilience-electromagnetic-pulses>

Archive-1: <https://Web.Archive.org/web/20200623011404/https://www.whitehouse.gov/presidential-actions/executive-order-coordinating-national-resilience-electromagnetic-pulses>

Archive-2: <http://Archive.vn/6IASF>

Archive-3: https://GordonWatts.com/EO_ExecutiveOrder-03-26-2019_ProtectingGrid_PDF.pdf

Archive-4: https://GordonWayneWatts.com/EO_ExecutiveOrder-03-26-2019_ProtectingGrid_PDF.pdf

Archive-5: https://ContractWithAmerica2.com/EO_ExecutiveOrder-03-26-2019_ProtectingGrid_PDF.pdf

Small 'Fair Use' Quote from *POWER Magazine* article: “President Trump has signed an executive order (EO) to boost coordination for and national resilience against electromagnetic pulse (EMP) threats—both from nuclear warfare and natural events like solar superstorms. The action suggests new federal mandates to protect critical infrastructure against EMP events and attacks may be on the horizon...Industry and academia have warned for years—and the DHS has internally recognized that—EMP events, and especially high-altitude EMP (HEMP) events resulting from detonation of a nuclear device, could severely damage critical electrical infrastructure...If the E3 pulse is high enough and long enough, it can result in grid collapse and potentially damage transformers, experts warn. [] Solar weather events of sufficient intensity can cause E3-type electromagnetic impacts. In 1989, for example, a geomagnetic disturbance (GMD) caused a regional grid collapse within 92 seconds in the Hydro-Quebec power system that left six million customers without power for up to nine hours. The threat of GMDs has been played up with good reason: Space weather researchers currently estimate a 6% to 12% chance that a Carrington-class storm—a solar storm comparable in size to the largest on record—is likely to hit the earth within the next 10 years.”

(2) President Joseph R. “Joe” Biden (D-U.S.A.) – **“Biden Rolls Out \$8 Billion Plan For U.S. Power Grid After Texas Crisis,”** by Gina Heeb, *Forbes*, April 27, 2021,

LINK: <https://www.Forbes.com/sites/ginaheeb/2021/04/27/biden-rolls-out-8-billion-plan-for-us-power-grid-after-texas-crisis>

Archive-1: <https://Archive.vn/iDSSm>

Archive-2:

<https://Web.Archive.org/web/20210429231337/https://www.forbes.com/sites/ginaheeb/2021/04/27/biden-rolls-out-8-billion-plan-for-us-power-grid-after-texas-crisis>

Archive-3:

<http://Web.Archive.org/web/20211020223806/https://www.forbes.com/sites/ginaheeb/2021/04/27/biden-rolls-out-8-billion-plan-for-us-power-grid-after-texas-crisis>

Archive-4: https://GordonWatts.com/Biden-GRID_Forbes_4-27-2021_viaWayback.pdf

Archive-5: https://GordonWayneWatts.com/Biden-GRID_Forbes_4-27-2021_viaWayback.pdf

Archive-6: https://ContractWithAmerica2.com/Biden-GRID_Forbes_4-27-2021_viaWayback.pdf

“FACT SHEET: Biden Administration Advances Expansion & Modernization of the Electric Grid,” by President Joe Biden, *BRIEFING ROOM: STATEMENTS AND RELEASES*, Issued on: April 27, 2021,

LINK: <https://www.Whitehouse.gov/briefing-room/statements-releases/2021/04/27/fact-sheet-biden-administration-advances-expansion-modernization-of-the-electric-grid>

Archive-1: <https://Archive.vn/t69zZ>

Archive-2: <https://Web.Archive.org/web/20210928212002/https://www.whitehouse.gov/briefing-room/statements-releases/2021/04/27/fact-sheet-biden-administration-advances-expansion-modernization-of-the-electric-grid>

Archive-3: https://GordonWatts.com/Biden-GRID_Whitehouse_4-27-2021.pdf

Archive-4: https://GordonWayneWatts.com/Biden-GRID_Whitehouse_4-27-2021.pdf

Archive-5: https://ContractWithAmerica2.com/Biden-GRID_Whitehouse_4-27-2021.pdf

Small 'Fair Use' Quote from *FORBES* article: “Today, the White House is making announcements that underscore the Administration’s commitment to accelerating the needed expansion and modernization of America’s power infrastructure to build a more reliable electric grid, create good-paying, union jobs, and deliver clean American energy to American businesses and homeowners. In particular, the Department of Energy is announcing new financial tools to help build high-voltage electric transmission lines, and the Department of Transportation is issuing new guidance that will enable the use of existing rights-of-way to facilitate the siting of transmission lines. An independent analysis, also released today, confirms the importance of investing in our electricity grid. It identifies more than 20 major transmission projects that are poised to move forward, potentially creating more than 600,000 new transmission-related jobs, and an additional 640,000 jobs from new clean energy generation projects enabled by the new transmission lines.”

(3) Supporters: President Trump, President Biden, & Lawmakers—not a comprehensive list—simply representative to give an idea of broad support – **in alphabetical order** – Besides President Trump, there are lots of supporters –with bipartisan (actually, Tri-partisan) support:

– **Red = Republican** ; **Blue = Democrat** ; **Green = Independent.**

Rep. Bartlett, Roscoe G. [R-MD-6], Pres. Biden, Joseph R. “Joe” [D-USA], Sen. Cantwell, Maria [D-WA], Rep. Clarke, Yvette D. [D-NY-11], Sen. Coons, Christopher A. [D-DE], Sen. Cruz, Ted [R-TX], Rep. Franks, Trent [R-AZ-2], Rep. Johnson, Henry C. "Hank," Jr. [D-GA-4], Sen. Johnson, Ron [R-WI], Rep. Katko, John [R-NY-24], Sen. King, Angus S., Jr. [I-ME], Rep. Lamb, Conor [D-PA-17], Sen. Markey, Edward J. [D-MA], Rep. McNerney, Jerry [D-CA-9], Sen. Murkowski, Lisa [R-AK], Rep. Payne, Donald M., Jr. [D-NJ-10], Rep. Richmond, Cedric L. [D-LA-2], Sen. Risch, James E. [R-ID], Sen. Sanders, Bernard “Bernie” [I-VT], Pres. Trump, Donald J. [R-USA], Rep. Waxman, Henry A. [D-CA-33], Sen. Wyden, Ron [D-OR]

Examples include:

- **H.R.668 - Secure High-voltage Infrastructure for Electricity from Lethal Damage Act [112th Congress (2011-2012)]** – aka: “SHIELD Act” – Sponsor: Rep. Franks, Trent [R-AZ-2], Cosponsors – 41 total, 37 Republican, 4 Democrat
- **H.R.6221 - Identifying Cybersecurity Risks to Critical Infrastructure Act of 2012 [112th Congress (2011-2012)]** – Sponsor: Rep. Clarke, Yvette D. [D-NY-11] (Introduced 07/26/2012), Cosponsors: 4 total, 3 Democrat, 1 Republican
- **H.Res.762 - Expressing the sense of the House of Representatives regarding community-based civil defense and power generation. [112th Congress (2011-2012)]** – Sponsor: Rep. Bartlett, Roscoe G. [R-MD-6] (Introduced 08/02/2012), Cosponsors listed: (all original cosponsors) Rep. Franks, Trent [R-AZ-2], Rep. Clarke, Yvette D. [D-NY-11], Rep. Johnson, Henry C. "Hank," Jr. [D-GA-4]
- **H.R.3410 - Critical Infrastructure Protection Act [113th Congress (2013-2014)]** – aka: CIPA – Sponsor: Rep. Franks, Trent [R-AZ-8] (Introduced 10/30/2013), Cosponsors: 21 total, 19 Republican, 2 Democrat
- **S.1846 - Critical Infrastructure Protection Act of 2016 [114th Congress (2015-2016)]** – aka: CIPA – Sponsor: Sen. Johnson, Ron [R-WI] (Introduced 07/23/2015), Cosponsor: Sen. Ted Cruz [R-TX]
- **S.2232 - Next Generation GRID Act [115th Congress (2017-2018)]** – Sponsor: Sen. King, Angus S., Jr. [I-ME]
- **S.346 - National Evaluation of Techniques for Making Energy Technologies More Efficient and Resilient Act of 2019 [116th Congress (2019-2020)]** – Sponsor: Sen. Hassan, Margaret Wood [D-NH] (Introduced 02/06/2019), Cosponsors listed: (all original cosponsors) Sen. Sanders, Bernard [I-VT], Sen. Shaheen, Jeanne [D-NH], Sen. Markey, Edward J. [D-MA]
- **H.R.2962 - SMART Grid Study Act of 2013 [113th Congress (2013-2014)]** – Sponsor: Rep. Payne,

Donald M., Jr. [D-NJ-10] (Introduced 08/01/2013), Cosponsors: 37 total, 32 Democrat, 5 Republican

((4)) Jim McGuire, Science Expert and recurring guest on **WLKF Talk 1430-AM / 96.7 FM:**

His science news segment typically airs Tuesdays from about 8:00 A.M. 'til about 8:30 A.M., weekly.

LINK: <https://www.Facebook.com/mayheminthescience/posts/1418918181651348>

OR: [https://www.Facebook.com/story.php?](https://www.Facebook.com/story.php?story_fbid=1418918181651348&id=458156731060836&comment_id=%201419753041567862¬if_t=feed_comment¬if_id=1594211826046061&ref=m_notif&refid=48)

[story_fbid=1418918181651348&id=458156731060836&comment_id=](https://www.Facebook.com/story.php?story_fbid=1418918181651348&id=458156731060836&comment_id=%201419753041567862¬if_t=feed_comment¬if_id=1594211826046061&ref=m_notif&refid=48)

[%201419753041567862¬if_t=feed_comment¬if_id=1594211826046061&ref=m_notif&refid=48](https://www.Facebook.com/story.php?story_fbid=1418918181651348&id=458156731060836&comment_id=%201419753041567862¬if_t=feed_comment¬if_id=1594211826046061&ref=m_notif&refid=48)

Wayback Machine Archive collection:

https://Web.Archive.org/web/*/facebook.com/mayheminthescience/posts/1418918181651348

Archive-1:

<https://Web.Archive.org/save/https://www.facebook.com/mayheminthescience/posts/1418918181651348>

Archive-2: <http://Archive.vn/wip/3xYE4> (Archive of Facebook page, which clips response)

Archive-3: https://GordonWatts.com/MayhemScienceREPLY_GRID_PDF.pdf

Archive-4: https://GordonWayneWatts.com/MayhemScienceREPLY_GRID_PDF.pdf

Archive-5: https://ContractWithAmerica2.com/MayhemScienceREPLY_GRID_PDF.pdf

Archive-6: **** Saved copy of PDF print with full dialogue:**

https://Web.Archive.org/web/20200713140019/https://gordonwatts.com/MayhemScienceREPLY_GRID_PDF.pdf

((5)) Another local science expert (Gordon Watts) – I, Gordon Wayne Watts, the undersigned, support legislation and/or Executive Order action to protect / upgrade our Power & Telecommunications grid – from various threats: Hacking, EMP attacks, and, of course, the inevitable threats from Solar Flares and Solar Super Storms – especially in light of the slow, but sure, collapse of earth's protective magnetic field.

– See also my published scientific paper on this subject:

SOLAR FLARES and EMP's do pose a threat, and we must “Harden the Grid”: [**PDF file format**]

- <https://GordonWatts.com/SolarFlarePAPER.pdf>
- <https://GordonWayneWatts.com/SolarFlarePAPER.pdf>
- <https://ContractWithAmerica2.com/SolarFlarePAPER.pdf>
- NOTE: You might download a PDF copy for further research:
- https://www.Academia.edu/40529432/WATTS_SolarFlarePAPER
- <https://Web.Archive.org/web/20191002121710/https://GordonWayneWatts.com/SolarFlarePAPER.pdf>
- <https://Archive.vn/UgY63>
- https://Web.Archive.org/web/20201029082016/https://www.academia.edu/40529432/WATTS_SolarFlarePAPER

TITLE: “Probability estimation of a catastrophic Carrington–like geomagnetic storm: Re–evaluated in new light of upcoming Maunder Minimum and recent decreases in geomagnetic field, after recent studies came to conflicting conclusions; Proposed solutions for citizens and lawmakers,” **Author:** Gordon Wayne Watts, **First published:** Wednesday, 02 October 2019, at [Academia.edu](https://www.academia.edu)

Also available in other formats:

- <https://GordonWatts.com/SolarFlare-PAPER.html>
- <https://GordonWayneWatts.com/SolarFlare-PAPER.html>
- <https://ContractWithAmerica2.com/SolarFlare-PAPER.html>
- <https://GordonWatts.com/SolarFlare-PAPER.doc>
- <https://GordonWayneWatts.com/SolarFlare-PAPER.doc>
- <https://ContractWithAmerica2.com/SolarFlare-PAPER.doc>
- <https://Archive.vn/CdfnO>

- <https://Web.Archive.org/web/20201029082703/https://gordonwatts.com/SolarFlare-PAPER.html>

/s/ Gordon Wayne Watts

A.S. United Electronic Institute, Valedictorian

B.S. The Florida State University, double major with honours, Biological & Chemical Sciences

LINK: <https://GordonWatts.com/education> Or: <https://GordonWayneWatts.com/education>

Or: <https://ContractWithAmerica2.com/education>

Or: <https://Web.Archive.org/web/20190228145601/https://www.gordonwatts.com/education/>

((6)) Jim Sapp, Expert Radio Communications Technician – Telecommunications engineering – OWNER: Lakeland Specialty Communications – Amateur (Ham) Radio operator, call sign: WB4ONX –

QUOTE: “Some one today asked my opinions [] on a couple of subjects. ? [] Our power grid is vulnerable to EMF [] attacks[sic].congress let's fix it.”

LINK: https://www.Facebook.com/WB4ONX/posts/10220152630549544?comment_id=10220152812674097

Archive-1: https://GordonWatts.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

Archive-2: https://GordonWayneWatts.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

Archive-3: https://ContractWithAmerica2.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

Archive-4: <https://Archive.vn/HFS7Z>

Archive-5:

http://Web.Archive.org/web/20211026221931/https://gordonwatts.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

Archive-6:

https://Web.Archive.org/web/20211026221727/https://contractwithamerica2.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

COMMENTARY: While the quote above may look “unprofessional,” let me assure readers 2 things: First, on just short notice, I asked Jim (a constituent in FLORIDA'S 15TH U.S. Congressional District – my district too) to give me a supportive public statement so we can “join voices” and “collectively” ask our Federal (and State) lawmakers to “Protect The Grid” – thus, Jimmy's brief Facebook note isn't as professional as, say, Jim McGuire's quote above because Jimmy's a very busy business owner. **SECONDLY**, however, please take note of **ONE THING**: As smart as I am (see my creds above: United Electronic Institute, Valedictorian), Jim is my mentor **and thus far smarter all things electronic**. As BUZZFILE says, Jimmy's been in business for approximately thirty-three (33) years – as I recall, and is probably as smart as I estimate – or smarter:

LINK: <https://wireless2.FCC.gov/UlsApp/UlsSearch/license.jsp?licKey=886682>

LINK: <https://www.BuzzFile.com/business/Lakeland-Specialty-Communications-863-683-7622>

Archive-1: <https://Archive.vn/tgYb7>

Archive-2: <https://Web.Archive.org/web/20211025032613/https://www.buzzfile.com/business/Lakeland-Specialty-Communications-863-683-7622>

OFFICIAL FACEBOOK: <https://Business.Facebook.com/LakelandSCcommunications>

OFFICIAL WEBSITE: <http://www.RadioDiscounters.com>

((7)) Sgt. James Ring, retired, LAKELAND (FLA.) POLICE DEPARTMENT, and currently the Outreach Coordinator for U.S. Congressman C. Scott Franklin (R-FL-15) – In response to my recent Facebook video post, a promo for the "Black Sky Event" movie about protecting the power/telcom grid from Solar Storms, EMP attacks, hacking, and cyber-attacks etc, James had this to say:

QUOTE: “Thank you for highlighting an emerging threat.”

LINK: <https://www.Facebook.com/GordonWayneWatts/videos/577765013536627/>

Archive-1: <https://GordonWatts.com/FannyDeregulation/JamesRing-screenshot.PNG>

Archive-2: <https://GordonWayneWatts.com/FannyDeregulation/JamesRing-screenshot.PNG>

Archive-3: <https://ContractWithAmerica2.com/FannyDeregulation/JamesRing-screenshot.PNG>

Archive-4: <https://Archive.vn/LGhT2>

Archive-5:

<http://Web.Archive.org/web/20211026222725/https://gordonwaynewatts.com/FannyDeregulation/JamesRing-screenshot.PNG>

Archive-6:

<https://Web.Archive.org/web/20211026222545/https://contractwithamerica2.com/FannyDeregulation/JamesRing-screenshot.PNG>

COMMENTARY: While all citizens and constituents in U.S. Congressman Scott Franklin's district (FLA-15) should be listened to (especially when we ask him to spend a relatively few pennies to protect the vulnerable power and telecommunications grid), nonetheless, James is Rep. Franklin's community liaison aka outreach coordinator, and should be trusted, by his boss, Rep. C. Scott Franklin, to offer sound advice, even if it is implicit advice, as here. PROOF:

LINK: <https://www.LinkedIn.com/in/james-ring-7582a01b4>

LINK: <https://www.Facebook.com/james.ring.7106/about>

((8)) U.S. Congressman C. Scott Franklin (R-FL-15) – QUOTE: “June 17, 2021 Press Release WASHINGTON — Rep. Franklin issued the following statement in response to [reports](#) that President Biden provided Russian President Putin with a list of infrastructure entities "off limits" to cyberattacks:

“The federal government’s policy on cyberattacks against our infrastructure should be that all such attacks are unacceptable. President Biden giving Russian President Vladimir Putin a list of 16 critical infrastructure entities that are “off limits” signals weakness and emboldens the Kremlin to continue its cyber operations against our country. We must draw a line in the sand with Russia and make clear that cyberattacks originating from Russian forces or its proxies will not be tolerated.””

LINK: <https://Franklin.House.gov/media/press-releases/rep-franklin-any-cyberattack-our-infrastructure-unacceptable>

Archive-1: https://GordonWatts.com/FannyDeregulation/RepFranklin-cybersecurity_6-17-2021.pdf

Archive-2: https://GordonWayneWatts.com/FannyDeregulation/RepFranklin-cybersecurity_6-17-2021.pdf

Archive-3: https://ContractWithAmerica2.com/FannyDeregulation/RepFranklin-cybersecurity_6-17-2021.pdf

Archive-4: <https://Archive.vn/UnkZs>

Archive-5: <https://Web.Archive.org/web/20210915063519/https://franklin.house.gov/media/press-releases/rep-franklin-any-cyberattack-our-infrastructure-unacceptable>

“Reports” link: <https://www.FoxBusiness.com/politics/biden-putin-critical-infrastructure-entities-off-limits-cyberattacks>

Archive-1: <https://Archive.vn/K6Vv2>

Archive-2: https://Web.Archive.org/web/*/https://Franklin.House.gov/media/press-releases/rep-franklin-any-cyberattack-our-infrastructure-unacceptable

((9)) YOU, dear reader: Do you like to use your smartphone, **be able to CALL “911,”** get on the Internet, and have your Electric Utilities **and earth's orbiting satellites** all functioning well? Well, then, it might be a good idea for you to review these legislative proposals in light of the science—and actual historical records of very scary events in in **recent** years—close calls that are “too close for comfort.” – And, offer your support – **by intentions, words, and actions.**

((10)) Other experts way smarter than you, me, James Ring, Jim McGuire, or even Jim Sapp –combined!

- <https://SecureTheGrid.com>
- https://Twitter.com/Secure_The_Grid
- <https://Facebook.com/SecureTheGrid>
- <https://EmpTaskForce.us> (The Task Force on National and Homeland Security is an official Congressional Advisory Board recognized as such by the Ethics Committee under the name “The Task

Force on National and Homeland Security” and as a Virginia based, 501(c)(3) nonprofit organization under the name “EMP Task Force on National and Homeland Security.” As such, Task Force on National and Homeland Security receives no Congressional funding and operates solely on donations.)

- <https://Facebook.com/EmpTaskForce.us>
- <https://Twitter.com/EmpTaskForce>
- https://YouTube.com/watch?v=oj2k3O_6fu4 (VIDEO: "Black Sky Event: The Need for Preparedness," Task Force on National and Homeland Security, June 18, 2021)
- <https://YouTube.com/channel/UCpawI511IQxrXkDnGg1IumA> (Task Force on National and Homeland Security)
- <https://TheBlackSkyEvent.com>
- <https://YouTube.com/channel/UCT7Z6F4so7F9OOT0oRKDL2w> (The Black Sky Event)
- <https://Twitter.com/GlennRhoades>
- **[“BLACKOUT WARFARE: High-altitude Electromagnetic Pulse \(HEMP\) Attack On The U.S. Electric Power Grid,”](#)** by Dr. William A. Radasky and Dr. Peter Vincent Pry, *EMP Task Force on National and Homeland Security*, Published August 6, 2021,
- LINK: <https://EmpTaskForce.us/wp-content/uploads/2021/08/BLACKOUTWARFAREhempREPORTfinal21X.pdf>
- Cache at Wayback Machine: <https://Web.Archive.org/web/20211012163431/https://EmpTaskForce.us/wp-content/uploads/2021/08/BLACKOUTWARFAREhempREPORTfinal21X.pdf>
- Mirror 1: <https://GordonWatts.com/FannyDeregulation/BLACKOUTWARFAREhempREPORTfinal21X.pdf>
- Mirror 2: <https://GordonWayneWatts.com/FannyDeregulation/BLACKOUTWARFAREhempREPORTfinal21X.pdf>
- Mirror 3: <https://ContractWithAmerica2.com/FannyDeregulation/BLACKOUTWARFAREhempREPORTfinal21X.pdf>
- **[“BLACKOUT WARFARE: Attacking The U.S. Electric Power Grid A Revolution In Military Affairs,”](#)** by Dr. Peter Vincent Pry, With An Introduction By Dr. William R. Graham and Ambassador R. James Woolsey, Copyright © 2021 Peter Vincent Pry, ASIN: B09DFK4RYY (KINDLE) ; ISBN-13: 979-8462218309 (Paperback) ; ISBN-13: 978-1087906799 (Hardback), Republished with permission, *EMP Task Force on National and Homeland Security*, Publication Date: August 22, 2021 (KINDLE), August 23, 2021 (Paperback), September 1, 2020 (Hardcover)
- AMAZON: <https://www.Amazon.com/-/en/Dr-Peter-Vincent-Pry/dp/B09DFK4RYY>
- KINDLE: <https://www.Amazon.com/Blackout-Warfare-Attacking-Electric-Revolution-ebook/dp/B09DDB556M>
- Barnes & Noble: <https://www.BarnesAndNoble.com/w/blackout-warfare-peter-pry/1140169678>
- GoodReads.com: <https://www.GoodReads.com/book/show/59040934-blackout-warfare>
- AbeBooks: <https://www.AbeBooks.com/9781087906799/Blackout-Warfare-Attacking-U.S-Electric-1087906792/plp>
- BOL.com: <https://www.BOL.com/nl/nl/p/blackout-warfare-attacking-the-u-s-electric-power-grid-a-revolution-in-military-affairs/9300000052692406>
- Adlibris: <https://www.Adlibris.com/no/bok/blackout-warfare-9781087906799>
- EuroBuch.com: <https://www.EuroBuch.com/buch/isbn/9798462218309.html>
- Cache at Wayback Machine: https://Web.Archive.org/web/20211115153806/https://contractwithamerica2.com/FannyDeregulation/Blackout_Warfare_interior10thfinal.pdf
- Mirror 1: https://GordonWatts.com/FannyDeregulation/Blackout_Warfare_interior10thfinal.pdf
- Mirror 2: https://GordonWayneWatts.com/FannyDeregulation/Blackout_Warfare_interior10thfinal.pdf

- https://ContractWithAmerica2.com/FannyDeregulation/Blackout_Warfare_interior10thfinal.pdf

See also -- FLAGSHIP MIRROR: <https://ContractWithAmerica2.com/#grid>

Mirror-1: <https://GordonWatts.com/n.index.html#grid>

Mirror-2: <https://GordonWayneWatts.com/n.index.html#grid>

Archive-1: <https://Archive.vn/4Pu4F#grid>

Archive-2: <http://Web.Archive.org/web/20210811172415/https://contractwithamerica2.com/#grid>

MAGNETIC FIELD COLLAPSE :

((11)) See also: “Earth’s Magnetic Field is Messed up: Satellites, Spacecrafts & Your Phone May Stop Working,” by Vishal Mathur, *News18*, LAST UPDATED: MAY 24, 2020, 10:02 AM (IST),

LINK: <https://www.News18.com/news/tech/earths-magnetic-field-is-messed-up-satellites-spacecrafts-your-phone-may-stop-working-2634617.html>

Archive-1: <http://Archive.vn/wip/q4Wpt>

Archive-2: <https://Web.Archive.org/web/20200618191143/https://www.News18.com/news/tech/earths-magnetic-field-is-messed-up-satellites-spacecrafts-your-phone-may-stop-working-2634617.html>

Subtitle: “Scientists say one of the reasons for this weakening magnetic field in the region could indicate an imminent reversal, where the North Pole and the South Pole switch.”

((12)) See also: “Swarm probes weakening of Earth's magnetic field,” by European Space Agency, *PHYS.ORG*, MAY 20, 2020,

LINK: <https://Phys.org/news/2020-05-swarm-probes-weakening-earth-magnetic.html>

Quote: “In an area stretching from Africa to South America, Earth's magnetic field is gradually weakening. This strange behaviour has geophysicists puzzled and is causing technical disturbances in satellites orbiting Earth. Scientists are using data from ESA's Swarm constellation to improve our understanding of this area known as the 'South Atlantic Anomaly.' [] Earth's magnetic field is vital to life on our planet. It is a complex and dynamic force that protects us from cosmic radiation and charged particles from the Sun.”

((13)) See also: “Satellites May Start Malfunctioning as Earth’s Magnetic Field Weakens,” by *INDIANWEB2* WRITERS, May 24, 2020, **LINK:** <https://www.IndianWeb2.com/2020/05/24/satellites-starts-malfunctioning-as-earths-magnetic-field-weakens>

DDoS (Distributed Denial of Service) Cyber-HACKING attacks :

((14)) See also: “T-Mobile, Fortnite, Instagram, Comcast, And Chase Bank Have All Experienced Outages. Some Believe The U.S. Has Been Hit By Large-Scale DDoS Attack—Others Are Skeptical. (Updated),” Jesse Damiani, Consumer Tech, *FORBES*, June 15, 2020, 08:43pm EDT,

LINK: <https://www.Forbes.com/sites/jessedamiani/2020/06/15/t-mobile-fortnite-instagram-comcast-and-chase-bank-have-all-experienced-outages-some-believe-the-us-has-been-hit-by-large-scale-ddos-attack-others-are-skeptical>

Archive-1:

<https://Web.Archive.org/web/20200622011211/https://www.forbes.com/sites/jessedamiani/2020/06/15/t-mobile-fortnite-instagram-comcast-and-chase-bank-have-all-experienced-outages-some-believe-the-us-has-been-hit-by-large-scale-ddos-attack-others-are-skeptical>

Archive-2: <http://Archive.vn/wip/hN3bC>

Archive-3: https://GordonWatts.com/FORBES6-15-2020_DDoS-article_PDF.pdf

Archive-4: https://GordonWayneWatts.com/FORBES6-15-2020_DDoS-article_PDF.pdf

((15)) See also: “UNDER ATTACK Facebook, Instagram, Fortnite, T-Mobile and Comcast users ‘hit by massive cyber attack sparking outages across the US’,” by Erica Davies, *The U.S. SUN*, June 15, 2020, 20:33 (EST), Updated: June 16 2020, 20:56 (EST),

LINK: <https://www.The-Sun.com/news/987168/ddos-attack-t-mobile-outage-facebook-instagram-us>

Archive-1: <http://Archive.vn/wip/Duadg>

Archive-2: <https://Web.Archive.org/web/20200712060836/https://www.the-sun.com/news/987168/ddos-attack-t-mobile-outage-facebook-instagram-us>

((16)) See also: “INSTAGRAM DOWN: PHOTO-SHARING WEBSITE AND FACEBOOK MESSENGER BOTH HIT BY OUTAGE,” by Independent Staff, *The Independent*,

LINK: <https://www.Independent.co.uk/life-style/gadgets-and-tech/news/instagram-down-not-working-messages-not-sending-problem-app-a9567751.html>

Archive-1: <http://Archive.vn/y0M58>

Archive-2: <https://Web.Archive.org/web/20200617031946/https://www.independent.co.uk/life-style/gadgets-and-tech/news/instagram-down-not-working-messages-not-sending-problem-app-a9567751.html>

((17)) Solar Super Storm of 2012:

In September 1859, the famous “Carrington Event” occurred (with estimated Dst readings of –850 nT to –900 nT), the largest recorded solar geomagnetic event since accurate records were made, causing widespread failures to contemporary telegraph systems and producing brilliant polar aurorae. In July 2012, a solar storm of much greater strength almost hit earth, narrowly missing because we'd moved about nine (9) days [about 2.46% of earth's 365¼-day orbit] from its trajectory[16a], with a peak Dst value of –1,182 nT, as reported by Space Weather[16b]. As earth's 'magnetic north pole' accelerates its erratic movement, earth's protective magnetic field has begun to speed up its collapse, which would leave us completely vulnerable to another solar flare event.

[16a] “Powerful solar storm narrowly missed Earth in 2012,” by Scott Sutherland, Meteorologist / Science Writer, *The Weather Network*, 02 May 2014,

LINK: <https://www.TheWeatherNetwork.com/news/articles/powerful-solar-storm-narrowly-missed-earth-in-2012/26473>

Archive-1: <http://Archive.vn/wip/7vzks>

Archive-2:

<https://Web.Archive.org/web/20190127081856/https://www.TheWeatherNetwork.com/news/articles/powerful-solar-storm-narrowly-missed-earth-in-2012/26473>

Small “Fair Use” Quote: “The current 'K-index' used to rate solar flares wasn't in use then, but studies have estimated the strength of the Carrington super flare at somewhere around X40 or higher, which is well off the maximum practical end of the scale (which only goes up to X9.9). [] However, as it turns out, it doesn't take one of these scale-shattering solar flares to produce this kind of powerful CME, and this means that we could be at a higher risk from solar flares than we previously thought...Given that this CME missed us by roughly 9 days, the use of the word 'narrowly' when describing how close it came to us may seem a bit excessive. However, when you look at those 9 days compared to the length of our year (the time it takes Earth to travel once around the Sun), the distance between us and the CME was only about 3 per cent of our orbital path. That's a *pretty narrow miss*.”

COMMENT: Actually, 9 days divided by 365¼ days is only 2.46%, rounded to 3 significant figures.

[16b] “A major solar eruptive event in July 2012: Defining extreme space weather scenarios,” by Baker, D. N.; Li, X.; Pulkkinen, A.; Ngwira, C. M.; Mays, M. L.; Galvin, A. B.; Simunac, K. D. C., *Space Weather*, Volume 11, Issue 10, pp. 585–591, October 2013 DOI: 10.1002/swe.20097 Bibcode: 2013SpWea..11..585B,

LINK: <https://ui.adsabs.harvard.edu/abs/2013SpWea..11..585B>

LINK: <https://ui.adsabs.harvard.edu/abs/2013SpWea..11..585B/abstract>

LINK: <https://doi.org/10.1002%2Fswe.20097>

LINK: <https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/swe.20097>

((18)) The Infamous 1989 Solar Storm:

The infamous solar storm of March 1989 inflicted major damage to Quebec, Canada's power grid[13a], causing a 9-hour blackout when transformers were overloaded and failed, leaving more than 6 million Canadians without power, and crashing computer hard-drives later that year (August 1989), resulting in halted trading in

the Toronto stock market.[17b] In fact, astronauts aboard the space shuttle Atlantis, during this solar storm, in October 1989, “reported burning in their eyes, a reaction of their retinas to the solar particles,” according to the book “Storms From The Sun.”[17c]

[17a] “**The Day the Sun Brought Darkness**,” by Dr. Sten Odenwald, NASA Astronomer, *NASA*, March 13, 2009, Last Updated: Aug. 7, 2017 (Editor: Holly Zell),

LINK: https://www.NASA.gov/topics/earth/features/sun_darkness.html

Archive-1: <http://Archive.vn/IxTF>

Archive-2:

https://Web.Archive.org/web/20200617184320/https://www.NASA.gov/topics/earth/features/sun_darkness.html

Small 'Fair Use' Quote: “On March 13, 1989 the entire province of Quebec, Canada suffered an electrical power blackout. Hundreds of blackouts occur in some part of North America every year. The Quebec Blackout was different, because this one was caused by a solar storm! [] On Friday March 10, 1989 astronomers witnessed a powerful explosion on the sun. Within minutes, tangled magnetic forces on the sun had released a billion-ton cloud of gas. It was like the energy of thousands of nuclear bombs exploding at the same time. The storm cloud rushed out from the sun, straight towards Earth, at a million miles an hour. The solar flare that accompanied the outburst immediately caused short-wave radio interference, including the jamming of radio signals from Radio Free Europe into Russia. It was thought that the signals had been jammed by the Kremlin, but it was only the sun acting up!”

[17b] “**A massive solar storm could wipe out almost all of our modern technology — and we'd have just hours to prepare**,” by Rafi Letzter, *BUSINESS INSIDER*, 06 September 2016,

LINK: <https://www.BusinessInsider.com/massive-1859-solar-storm-telegraph-scientists-2016-9>

Archive-1: <http://Archive.vn/wip/cZPZb>

Archive-2: <https://Web.Archive.org/web/20200707200657/https://www.BusinessInsider.com/massive-1859-solar-storm-telegraph-scientists-2016-9>

[17c] “**Storms from the Sun: The Emerging Science of Space Weather**,” by Michael J. Carlowicz, Ramon E. Lopez, Publisher: Joseph Henry Press, 2002 – *Science* – 234 pages (as listed in Google Books), or 256 pages (as listed in Amazon), ISBN-10: 0309076420; ISBN-13: 978-0309076425,

LINK: https://books.google.com.au/books?id=RJO_IsMDiccC&q=1882#v=onepage&q=1989&f=false

Archive-1: <http://Archive.vn/wip/UNCsj>

Archive-2: https://Web.Archive.org/web/20170828225041/https://books.google.com.au/books?id=RJO_IsMDiccC&q=1882

LINK: <https://www.Amazon.com/Storms-Sun-Emerging-Science-Weather/dp/0309076420>

Archive-1: <http://Archive.vn/wip/jPuIX>

Archive-2: <https://Web.Archive.org/web/20200713152604/https://www.amazon.com/Storms-Sun-Emerging-Science-Weather/dp/0309076420>

((19)) The recent 2003 Storm

Another solar storm hit Canada, as well as the northeast United States, in August 2003, causing wide-spread blackouts, this time jamming the short-wave radio frequencies used by commercial pilots, prompting contemporary observers to speculate that the Kremlin was jamming radio signals. “In space, some satellites actually tumbled out of control for several hours,” NASA said.

[18a] “**7 times solar storms have affected Earth**,” by Matt Liddy, *ABC NEWS*, 01 April 2015,

LINK: <https://www.abc.net.au/news/2014-09-12/how-solar-storms-affect-earth/5740454>

Archive-1: <http://Archive.vn/wip/kQogy>

Archive-2: <https://Web.Archive.org/web/20190728200243/https://www.abc.net.au/news/2014-09-12/how-solar-storms-affect-earth/5740454>

Small 'Fair Use' Quote: “Communications networks around the globe were affected, prompting speculation the Kremlin was jamming radio signals, while short-wave radio frequencies used by commercial pilots also suffered fadeouts.”

[18b] “**Service Assessment: Intense Space Weather Storms October 19 – November 07, 2003**,” by

Christopher Balch Team Leader (Lead Space Weather Forecaster, NOAA; Space Environment Center (SEC), Boulder, Colorado), Bill Murtagh (Lead Author, Space Weather Forecaster, NOAA Space; Environment Center, Boulder, Colorado), et. al., *NOAA (National Oceanic and Atmospheric Administration, Silver Spring, MD)*, Technical Memorandum, U.S. Department of Commerce, April 2004,

LINK: https://www.Weather.gov/media/publications/assessments/SWstorms_assessment.pdf

Archive-1: <http://Archive.vn/wip/umPaq>

Archive-2:

https://Web.Archive.org/web/20191207123344/https://www.Weather.gov/media/publications/assessments/SWstorms_assessment.pdf

LINK: <https://Repository.Library.NOAA.gov/view/noaa/6995>

Archive-1: <http://Archive.vn/wip/Pd3oi>

Archive-2: <https://Web.Archive.org/web/20200530192228/https://repository.library.noaa.gov/view/noaa/6995>

[18c] “HALLOWEEN SPACE WEATHER STORMS OF 2003,” by LCDR Michael Weaver (NOAA editor) William Murtagh (editor), Christopher Balch, et. al., *NOAA (National Oceanic and Atmospheric Administration, Space Environment Center, Boulder, Colorado)*, NOAA Technical Memorandum OAR SEC-88, June 2004,

LINK:

ftp://ftp.Library.NOAA.gov/noaa_documents.lib/OAR/OAR_SEC/TM_OAR_SEC/TM_OAR_SEC_88.pdf

Archive-1: <http://Archive.vn/wip/jUrAo>

Archive-2:

https://Web.Archive.org/web/20110728172705/http://www.swpc.noaa.gov/Services/HalloweenStorms_assessment.pdf

(20) Key news from George Noory, host, Coast to Coast: AM

QUOTE: “George Noory has announced a campaign to protect and insulate the U.S. power grid against an EMP (electromagnetic pulse) event or attack via nuclear weapons, ballistic missiles and solar flares, all of which could endanger the lives of millions of Americans. More on the campaign at [WND](#).”

SOURCE: “George Noory Launches EMP Protection Campaign,” by News Staff, *Coast to Coast: AM*, Monday, August 04, 2014,

LINK: <https://www.CoastToCoastAM.com/article/george-noory-launches-emp-protection-campaign/>

Archive-1: <https://Archive.vn/iCBKE>

Archive-2: <https://Web.Archive.org/web/20180417192442/https://www.coasttocoastam.com/article/george-noory-launches-emp-protection-campaign>

QUOTE: “The threat of an electromagnetic pulse event or attack on the United States that could kill tens of millions of people has prompted George Noory, host of “[Coast to Coast AM](#),” the most-listened-to overnight radio program in North America, to launch a campaign to prepare a defense. [] “I implore all individual states, the president and members of Congress to immediately develop a plan to protect our power grid,” said Noory. “The preservation of our great nation and the lives of its people are critical.”...The goal is to protect and insulate the U.S. power grid against an EMP event or attack from a solar flare, nuclear weapon or ballistic missile, all of which could endanger the lives of millions of Americans, according to Noory. [] The work follows on the heels of a recent report from NASA scientists that Earth narrowly avoided a catastrophic X-class solar flare on July 23, 2012. [] According to WND senior staff writer F. Michael Maloof, whose book, “[A Nation Forsaken](#),” addresses the EMP threat, the United States could be turned into a virtual 19th-century agrarian society. [] The problem is that an EMP would take out virtually all electronics. The controls that enable gas to be pumped into a vehicle, systems that control underground pipelines, the computers controlling financial systems, the electronics in vehicles, communications, emergency services, law enforcement and much more could all be rendered useless...Noory's campaign will feature scientific experts and government leaders on his program, which reaches more than 3 million listeners weekly...WND will leverage its reach of 6 million unique visitors each month and more than 40 million page views to support and promote efforts to improve defense capabilities. [] “The preservation of our great nation and the lives of its people are critical. It is not a matter of

if, but when we will experience an EMP event or attack. We need to be ready now. I want to thank WND and Joseph Farah for joining this effort, which is imperative to our future," Noory said. [] WND founder and Editor-in-Chief Joseph Farah stated: "I'm so grateful to George Noory for recognizing the threat to our grid as the No. 1 catastrophic threat to national security. If the grid goes down, it could spell the starvation deaths of tens of millions of Americans. It's hard to top that threat. George Noory's platform, coupled with WND's, significantly raises the probability of getting Congress to take responsibility for addressing this threat, which, by all accounts, is not an expensive fix nor a technically difficult one..."For less than \$2 billion, we can harden our grid against an EMP if we can get SHIELD Act legislation passed soon. Once passed, it will take another five years to accomplish the task of hardening the national grid system if there are no hitches," [Maloof] said...Principal backers of EMP legislation so far include **Reps. Trent Franks, R-Ariz., Yvette Clarke, D-N.Y.**, and the other members of the bi-partisan **Congressional Electromagnetic Pulse (EMP) Caucus**, who have introduced the SHIELD Act and CIPA in the House.

There are several proposals pending:

- H.R. 2417 Secure High-voltage Infrastructure for Electricity from Lethal Damage ("SHIELD Act"). 113th Congress (introduced June 18, 2013).
- H.R. 3410 Critical Infrastructure Protection Act ("CIPA"). 113th Congress (introduced Oct. 30, 2013).
- Grid Reliability and Infrastructure Defense Act ("GRID Act"). 113th Congress (introduced March 26, 2014)
- Senate Bill S. 2158
- House Bill H.R. 4298

Some of the proposals call for actual protections for the grid. Another simply would have the government include an EMP event in its planning procedures for various scenarios."

Editor's Note: This quote, while lengthy, is NOT a full quote, and this portion is claimed under "Fair Use" legal standards, for academic research, criticism, & commentary purposes.

SOURCE: "WND EXCLUSIVE – 'End is near': Radio star issues dire warning: 'It is not a matter of if, but when we will experience an event or attack'," by By Bob Unruh, *WND (World Net Daily)*, Published Monday, August 04, 2014, at 3:37pm,

LINK: <https://www.WND.com/2014/08/end-is-near-radio-star-launches-emp-warning/>

Archive-1: <https://Archive.vn/1SGN7>

Archive-2: <https://Web.Archive.org/web/20200717155034/https://www.WND.com/2014/08/end-is-near-radio-star-launches-emp-warning/>

((21)) Selected Key legislation, in chronological order –much bipartisan support (which is very good) ["Selected" bills – not a comprehensive list -- just to give you an idea of what can and should be done.]

H.R.668 - Secure High-voltage Infrastructure for Electricity from Lethal Damage Act [112th Congress (2011-2012)] – aka: "SHIELD Act"

Sponsor: **Rep. Franks, Trent [R-AZ-2]** (Introduced 02/11/2011)

Cosponsors – 41 total, 37 Republican, 4 Democrat

<https://www.congress.gov/bill/112th-congress/house-bill/668>

H.R.6221 - Identifying Cybersecurity Risks to Critical Infrastructure Act of 2012 [112th Congress (2011-2012)]

Sponsor: **Rep. Clarke, Yvette D. [D-NY-11]** (Introduced 07/26/2012)

Cosponsors: 4 total, 3 Democrat, 1 Republican

<https://www.congress.gov/bill/112th-congress/house-bill/6221>

H.Res.762 - Expressing the sense of the House of Representatives regarding community-based civil

defense and power generation. [112th Congress (2011-2012)]

Sponsor: **Rep. Bartlett, Roscoe G. [R-MD-6]** (Introduced 08/02/2012)

Cosponsors: 3 total, 2 Democrat, 1 Republican

Cosponsors listed: (all original cosponsors)

Rep. Franks, Trent [R-AZ-2], Date Cosponsored: 08/02/2012

Rep. Clarke, Yvette D. [D-NY-11], Date Cosponsored: 08/02/2012

Rep. Johnson, Henry C. "Hank," Jr. [D-GA-4], Date Cosponsored: 08/02/2012

<https://www.congress.gov/bill/112th-congress/house-resolution/762>

H.R.2417 - Secure High-voltage Infrastructure for Electricity from Lethal Damage Act [113th Congress (2013-2014)] – aka: “SHIELD Act”

Sponsor: **Rep. Franks, Trent [R-AZ-8]** (Introduced 06/18/2013)

Cosponsors – 31 total, 30 Republican, 1 Democrat

<https://www.congress.gov/bill/113th-congress/house-bill/2417>

H.R.2962 - SMART Grid Study Act of 2013 [113th Congress (2013-2014)]

Sponsor: **Rep. Payne, Donald M., Jr. [D-NJ-10]** (Introduced 08/01/2013)

Cosponsors: 37 total, 32 Democrat, 5 Republican

<https://www.congress.gov/bill/113th-congress/house-bill/2962>

H.R.3410 - Critical Infrastructure Protection Act [113th Congress (2013-2014)] – aka: CIPA

Sponsor: **Rep. Franks, Trent [R-AZ-8]** (Introduced 10/30/2013)

Cosponsors: 21 total, 19 Republican, 2 Democrat

<https://www.congress.gov/bill/113th-congress/house-bill/3410>

H.R.4298 - GRID Act [113th Congress (2013-2014)]

[Short Titles as Introduced: GRID Act, Grid Reliability and Infrastructure Defense Act]

Official Title as Introduced: “To amend the Federal Power Act to protect the bulk-power system and electric infrastructure critical to the defense of the United States against cybersecurity, physical, and other threats and vulnerabilities.”

Sponsor: **Rep. Waxman, Henry A. [D-CA-33]** (Introduced 03/26/2014)

Cosponsors: none

<https://www.congress.gov/bill/113th-congress/house-bill/4298>

S.2158 - GRID Act [113th Congress (2013-2014)]

[Short Titles as Introduced: GRID Act, Grid Reliability and Infrastructure Defense Act]

Official Titles as Introduced: “A bill to amend the Federal Power Act to protect the bulk-power system and electric infrastructure critical to the defense of the United States against cybersecurity and physical and other threats and vulnerabilities.”

Sponsor: **Sen. Markey, Edward J. [D-MA]** (Introduced 03/26/2014)

Cosponsors: none

<https://www.congress.gov/bill/113th-congress/senate-bill/2158>

H.R.1073 – CIPA [114th Congress (2015-2016)]

[Short Titles as Introduced: CIPA, Critical Infrastructure Protection Act]

Official Title as Introduced: “To amend the Homeland Security Act of 2002 to secure critical infrastructure against electromagnetic threats, and for other purposes.”]

Sponsor: **Rep. Franks, Trent [R-AZ-8]** (Introduced 02/25/2015)

Cosponsors: 19 total, 18 Republican, 1 Democrat

<https://www.congress.gov/bill/114th-congress/house-bill/1073>

S.1846 - Critical Infrastructure Protection Act of 2016 [114th Congress (2015-2016)] – aka: CIPA

Sponsor: **Sen. Johnson, Ron [R-WI]** (Introduced 07/23/2015)

Cosponsor: **Sen. Ted Cruz [R-TX]**

<https://www.congress.gov/bill/114th-congress/senate-bill/1846>

S.1875 - Flexible Grid Infrastructure Act of 2017 [115th Congress (2017-2018)]

Sponsor: **Sen. Wyden, Ron [D-OR]** (Introduced 09/27/2017)

Cosponsor: **Sen. Coons, Christopher A. [D-DE]**

<https://www.congress.gov/bill/115th-congress/senate-bill/1875>

S.2232 - Next Generation GRID Act [115th Congress (2017-2018)]

Sponsor: **Sen. King, Angus S., Jr. [I-ME]** (Introduced 12/14/2017)

Cosponsors: none

<https://www.congress.gov/bill/115th-congress/senate-bill/2232>

S.2445 - Grid Modernization Act [115th Congress (2017-2018)]

Sponsor: **Sen. Cantwell, Maria [D-WA]** (Introduced 02/15/2018)

Cosponsors: 2 total, both Democrat

<https://www.congress.gov/bill/115th-congress/senate-bill/2445>

H.R.359 - Enhancing Grid Security through Public-Private Partnerships Act [116th Congress (2019-2020)]

Sponsor: **Rep. McNerney, Jerry [D-CA-9]** (Introduced 01/09/2019)

Cosponsors: 3 total, 2 Republican, 1 Democrat

<https://www.congress.gov/bill/116th-congress/house-bill/359>

H.R.4432 - Protecting Critical Infrastructure Against Drones and Emerging Threats Act [116th Congress (2019-2020)]

Sponsor: **Rep. Richmond, Cedric L. [D-LA-2]** (Introduced 09/20/2019)

Cosponsor: **Rep. Katko, John [R-NY-24]**

<https://www.congress.gov/bill/116th-congress/house-bill/4432>

H.R.5428 - Grid Modernization Research and Development Act of 2020 [116th Congress (2019-2020)]

Sponsor: **Rep. Lamb, Conor [D-PA-17]** (Introduced 12/13/2019)

Cosponsors: 4 total, 2 Democrat, 2 Republican

<https://www.congress.gov/bill/116th-congress/house-bill/5428>

S.3688 - Energy Infrastructure Protection Act of 2020 [116th Congress (2019-2020)] << **"BAD" BILL**

EDITOR'S NOTE: This is the only "bad" bill so far on this topic, according to my research, as industry experts called it out for various concerns, including, but not limited to the following: The bill allegedly "codifies a major departure from the original intent for transparency & public disclosure," and, specifically, that this bill restricts transparency and access to the public by "Exporting the "Security through Obscurity" regime to other government agencies by offering assistance to those agencies in labeling information as Critical Energy Infrastructure Information (CEII) in order to prevent FOIA access." ("FOIA" refers to the Freedom of Information Act, that allows ordinary citizens to get hold of public information from their government.) And, for: "Codifying government inaction and regulatory malfeasance by releasing FERC from any responsibility for untimely processing of FOIA requests, establishing that FERC's failure to grant or deny a request after (1) year from submission will automatically designate the requested information as CEII and for a period of 10 years. ("FERC" stands for the Federal Energy Regulatory Commission, "NERC" stands for the North American Electric Reliability Corporation, and "CEII" stands for "Critical Energy Infrastructure Information," i.e., an excuse to claim it is classified, and thus shielded from the public view.)

Sponsor: **Sen. Murkowski, Lisa [R-AK]** (Introduced 05/12/2020)

Cosponsor: **Sen. Risch, James E. [R-ID]**

<https://www.congress.gov/bill/116th-congress/senate-bill/3688>

EDITOR'S NOTE: This undersigned writer does not mean to suggest lawmakers acted with ill intent, as they might have gotten bad legislative staff advice, but readers can look at my research at one of the following mirrors:

FLAGSHIP MIRROR: <https://ContractWithAmerica2.com/#grid>

Mirror-1: <https://GordonWatts.com/n.index.html#grid>

Mirror-2: <https://GordonWayneWatts.com/n.index.html#grid>

Archive-1: <https://Archive.vn/4Pu4F#grid>

Archive-2: <http://Web.Archive.org/web/20210811172415/https://contractwithamerica2.com/#grid>

APPENDIX: “A” – both screenshots and copy / paste of the dialogue between two (2) scientists:

Sources below to verify:

GORDON WAYNE WATTS wrote:

Jim, aka the May Hemsience guy, Hey, Jim, I would appreciate a statement from you regarding our need to upgrade the grid: [A] Do you agree with me on the need? (Of course you do! We discussed this before.) [B] What do you think lawmakers could do, assuming we get funding? Thx. BONUS - here's my published scientific paper on this matter to jog your memory: https://www.Academia.edu/40529432/WATTS_SolarFlarePAPER - and offer as a resource for readers/listeners? You do come on Mayhem in the AM in about 25 minutes, but I eagerly look forward to your reply, in forum, here. [Your degree in Physics is even stronger than my A.S. Electronic Degree as Valedictorian from United Electronics Institute: Mine was only a 2-year degree.]

JIM MCGUIRE wrote:

Good morning Gordon, As you know, I couldn't agree more with you that we need to harden our grid. We have been lucky so far but we are very vulnerable. However, I have very little faith in our government and I don't think anything will be done until we have a massive solar flare/CME like the Carrington Event that knocks out our grid. It is human nature to not want to spend money to be prepared for something that may or may not happen. Look at how our govt treats our transportation infrastructure. The govt constantly waits until it's too late to expand or build new roads. Heck, we have thousands of

bridges that are 90 years old and no plan or money saved up to replace them. Politicians keep spending the entire budget on pet projects and kicking the can down the road (pun intended). It's a hard sell to tell the public that we will need to raise taxes to protect us from something that they don't remember happening in their lifetime. I hope things change though! Also, I enjoyed your paper. Very thorough. It must have taken hours of research.

GORDON WAYNE WATTS wrote:

Thank you for your kind words, Jim! Indeed, my published scientific paper (which I plan on sending to lawmakers soon) took about a month of solid work. However, if you look closely, you'll notice that three (3) "Carrington-class" events occurred in recent times:

1.) The infamous solar storm of March 1989 inflicted major damage to Quebec, Canada's power grid, causing a 9-hour blackout when transformers were overloaded and failed, leaving more than 6 million Canadians without power, and crashing computer hard-drives later that year (August 1989), resulting in halted trading in the Toronto stock market. In fact, astronauts aboard the space shuttle Atlantis, during this solar storm, in October 1989 reported burning in their eyes as highly-charged solar particles hit them.

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You are right, Jim, that both politicians AND citizens have probably forgotten all 3 of these catastrophic disasters-- but they're big enough, scary enough, & recent enough to document that I think we can convince lawmakers, the President, and news media to act if we politely but firmly demand lawmakers grant Trump's request for grid upgrades, in his recent EO (Executive Order), cited in my published paper:

[Important caveat: I made only ONE typo in my paper: here. The link in my paper used long dashes due to a copy/edit clean-up gone awry. The CORRECT link is below.]

"Trump Acts on Critical Infrastructure Resiliency Against EMP Threats," by Sonal Patel, POWER, 26 March 2019

<https://www.PowerMag.com/trump-acts-on-critical-infrastructure-resiliency-against-emp-threats> Small 'Fair Use' Quote: "President Trump has signed an executive order (EO) to boost coordination for and national resilience against electromagnetic pulse (EMP) threats—both from nuclear warfare and natural events like solar superstorms. The action suggests new federal mandates to protect critical infrastructure against EMP events and attacks may be on the horizon...Industry and academia have warned for years—and the DHS has internally recognized that—EMP events, and especially high-altitude EMP (HEMP) events resulting from detonation of a nuclear device, could severely damage critical electrical

infrastructure...If the E3 pulse is high enough and long enough, it can result in grid collapse and potentially damage transformers, experts warn. [] Solar weather events of sufficient intensity can cause E3-type electromagnetic impacts. In 1989, for example, a geomagnetic disturbance (GMD) caused a regional grid collapse within 92 seconds in the Hydro-Quebec power system that left six million customers without power for up to nine hours. The threat of GMDs has been played up with good reason: Space weather researchers currently estimate a 6% to 12% chance that a Carrington-class storm—a solar storm comparable in size to the largest on record—is likely to hit the earth within the next 10 years.”

Cited here: https://www.Academia.edu/40529432/WATTS_SolarFlarePAPER

If we explain to lawmakers and their dedicated and polite phone staff that "911," Internet, and Electric Power could go out and leave them stranded, our arguments might be persuasive. What do you think ?

Can we handle it ourselves, or is it time to invoke our treaty with the Klingons, Greys, Vulcans, and Jedi-- to ask for additional persuasive scientific experts to testify before Congress, the U.N., and U.F.P. (United Federation of Planets)? We wouldn't want to create an interstellar incident, now would we? (Or is it an "intergalactic incident?" Translation from Klingon to English is still hard.)

All Star Trek (Star Wars, UFO) humour aside, he heh, in all seriousness, here is my conclusion:

**** CONCLUSION ****

- 1) We need to upgrade the power, communications, satellite, & infrastructure grids.
- 2) This is only possible if we make much-needed spending cuts to Pork Barrell waste spending.
- 3) The "key" area of pork is Student Debt: The U.S. Debt, now north of \$20 or \$22 TRILLION, has about Two (\$2,000,000,000,000.00) Trillion student Debt -- i.e., almost ten (10%) percent. Note: A trillion is a MILLION millions = a little dough.
- 4) The only "hammer" strong enough to convince lawmakers to lower loan limits on student loans using our taxpayer dollars sufficient to "send a message" to banks and colleges to stop lobbying for THIS PORK WASTE is probably passage of H.R.2648 and S.1414, student loan bankruptcy bills. (In fact, forgiveness of ALL student loans, as one friend's petition closing in on HALF A MILLION SIGNATURES here asks <https://www.Change.org/p/covid-19-economic-response-cancel-student-loans-by-executive-order> would cost almost NO taxpayer dollars and add almost NOTHING to U.S. Debt -- as almost all Student Loans are OWNED, not guaranteed, but the taxpayer dollars via the Dept of Ed.)

Either bankruptcy defense or outright forgiveness would use FREE MARKET pressures to scare lenders (the Dept of Ed using tax\$\$) to STOP loaning obscenely high amounts-- thus forcing spending cuts sufficient to help us afford the upgrades).

I am Conservative as indicated here <https://www.Change.org/p/u-s-senators-we-can-t-address-covid-19-due-to-pork-spending-lawmakers-grant-trump-spending-cuts-request> and don't "personally" support total forgiveness-- wanting to pay a fair amount for my college-- but I must admit these so-called Liberal relief packages would be VERY effective to forcing needed spending cuts. Contrary to lawmakers' constant complaints, neither returning bankruptcy to student loans (like it was decades ago) or outright loan cancellation would cost much, as they own these toxic loans -- not guarantee. (A little-known clause in the ACA bought said loans, so we no longer guarantee any current student loans.)

The only other area where we might make "big time" cuts is foreign entanglements, but President Trump

is limited on how much we can reduce our foreign military intervention and presence abroad.

I feel that if lawmakers follow my 4-point plan above, we might be able to make these needed grid upgrades. If not, then we'll see all the scary stuff about weather catastrophic disasters described in Jesus's discourse in Matthew 24, Mark 13, Luke 21, and the book of Revelation. It's gonna happen (Jesus predicted it!), but I say let's stall the inevitable by a generation or two by polite but firm calls to Federal Lawmakers to follow my 4-step plan.

What so you think?

Thank you. With kind regard, I am,

Sincerely,
Gordon Wayne Watts,
Constituent, Fla. Dist. 15
2046 Pleasant Acre Drive
Plant City, FL 33566-7511
(863)687-6141
(863)688-9880
Gww1210@gmail.com
Gww1210@AOL.com
<https://GordonWatts.com>
<https://GordonWayneWatts.com>

RECAP – **(4) Jim McGuire, Science Expert** and recurring guest on **WLKF Talk 1430-AM / 96.7 FM:**
His science news segment typically airs Tuesdays from about 8:00 A.M. 'til about 8:30 A.M., weekly.

LINK: <https://www.Facebook.com/mayheminthescience/posts/1418918181651348>

OR: [https://www.Facebook.com/story.php?](https://www.Facebook.com/story.php?story_fbid=1418918181651348&id=458156731060836&comment_id=%201419753041567862¬if_t=feed_comment¬if_id=1594211826046061&ref=m_notif&refid=48)

[story_fbid=1418918181651348&id=458156731060836&comment_id=](https://www.Facebook.com/story.php?story_fbid=1418918181651348&id=458156731060836&comment_id=%201419753041567862¬if_t=feed_comment¬if_id=1594211826046061&ref=m_notif&refid=48)

[%201419753041567862¬if_t=feed_comment¬if_id=1594211826046061&ref=m_notif&refid=48](https://www.Facebook.com/story.php?story_fbid=1418918181651348&id=458156731060836&comment_id=%201419753041567862¬if_t=feed_comment¬if_id=1594211826046061&ref=m_notif&refid=48)

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Archive-2: <http://Archive.vn/wip/3xYE4> (Archive of Facebook page, which clips response)

Archive-3: https://GordonWatts.com/MayhemScienceREPLY_GRID_PDF.pdf

Archive-4: https://GordonWayneWatts.com/MayhemScienceREPLY_GRID_PDF.pdf

Archive-5: https://ContractWithAmerica2.com/MayhemScienceREPLY_GRID_PDF.pdf

Archive-6: ** Saved copy of PDF print with full dialogue:

[https://Web.Archive.org/web/20200713140019/https://gordonwatts.com/MayhemScienceREPLY_GRID_PDF.p](https://Web.Archive.org/web/20200713140019/https://gordonwatts.com/MayhemScienceREPLY_GRID_PDF.pdf)
[df](https://Web.Archive.org/web/20200713140019/https://gordonwatts.com/MayhemScienceREPLY_GRID_PDF.pdf)

See below for screenshots – to verify / clarify :

**Gordon Wayne Watts** ▶ **Mayhem Science** ...

July 7 at 7:33 AM · 🌐

Jim, aka the May Hemsience guy, Hey, Jim, I would appreciate a statement from you regarding our need to upgrade the grid: [A] Do you agree with me on the need? (Of course you do! We discussed this before.) [B] What do you think lawmakers could do, assuming we get funding? Thx. BONUS - here's my published scientific paper on this matter to jog your memory: https://www.Academia.edu/40529432/WATTS_SolarFlarePAPER - and offer as a resource for readers/listeners? You do come on Mayhem in the AM in about 25 minutes, but I eagerly look forward to your reply, in forum, here. [Your degree in Physics is even stronger than my A.S. Electronic Degree as Valedictorian from United Electronics Institute: Mine was only a 2-year degree.]



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WATTS SolarFlarePAPER

[Abstract is written mainly for fellow-sci...]





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Gordon Wayne Watts



Mayhem Science

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**Gordon Wayne Watts****Mayhem Science**

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on Wed

Love

Reply

More



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on Wed **Love** Reply More



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<https://www.PowerMag.com/trump-acts-on-critical-infrastructure-resiliency-against-emp-threats> Small 'Fair Use'

Quote: “President Trump has signed an executive order (EO) to boost coordination for and national resilience against electromagnetic pulse (EMP) threats—both from nuclear warfare and natural events like solar superstorms. The action suggests new federal mandates to protect critical infrastructure against EMP events and attacks may be on the horizon...Industry and academia have warned for years—and the DHS has internally recognized that—EMP events, and especially high-altitude EMP (HEMP) events resulting from detonation of a nuclear device, could severely damage critical electrical infrastructure...If the E3 pulse is high enough and long enough, it can result in grid collapse and potentially damage transformers, experts warn. □ Solar weather events of sufficient intensity can cause E3-type electromagnetic impacts. In 1989, for example, a geomagnetic disturbance (GMD) caused a regional grid collapse within 92 seconds in the Hydro-Quebec power system that left

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Cited here:

https://www.Academia.edu/40529432/WATTS_SolarFlarePAPER

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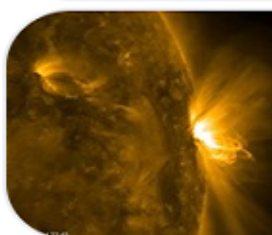
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Trump Acts on Critical Infrastructure...

powermag.com

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Write a comment...

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RECAP – **((6)) Jim Sapp, Expert Radio Communications Technician – Telecommunications engineering – OWNER: Lakeland Specialty Communications – Amateur (Ham) Radio operator, call sign: WB4ONX –**

QUOTE: “Some one today asked my opinions [] on a couple of subjects. ? [] Our power grid is vulnerable to EMF [] attacks[sic].congress let's fix it.”

LINK: https://www.Facebook.com/WB4ONX/posts/10220152630549544?comment_id=10220152812674097

Archive-1: https://GordonWatts.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

Archive-2: https://GordonWayneWatts.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

Archive-3: https://ContractWithAmerica2.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

Archive-4: <https://Archive.vn/HFS7Z>

Archive-5:

http://Web.Archive.org/web/20211026221931/https://gordonwatts.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

Archive-6:

https://Web.Archive.org/web/20211026221727/https://contractwithamerica2.com/FannyDeregulation/JimSapp-brief-quote_FACEBOOK.pdf

COMMENTARY: While the quote above may look “unprofessional,” let me assure readers 2 things: First, on just short notice, I asked Jim (a constituent in FLORIDA'S 15TH U.S. Congressional District – my district too) to give me a supportive public statement so we can “join voices” and “collectively” ask our Federal (and State) lawmakers to “Protect The Grid” – thus, Jimmy's brief Facebook note isn't as professional as, say, Jim McGuire's quote above because Jimmy's a very busy business owner. **SECONDLY**, however, please take note of **ONE THING**: As smart as I am (see my creds above: United Electronic Institute, Valedictorian), Jim is my mentor **and thus far smarter all things electronic**. As BUZZFILE says, Jimmy's been in business for approximately thirty-three (33) years – as I recall, and is probably as smart as I estimate – or smarter:

LINK: <https://wireless2.FCC.gov/UlsApp/UlsSearch/license.jsp?licKey=886682>

LINK: <https://www.BuzzFile.com/business/Lakeland-Specialty-Communications-863-683-7622>

Archive-1: <https://Archive.vn/tgYb7>

Archive-2: <https://Web.Archive.org/web/20211025032613/https://www.buzzfile.com/business/Lakeland-Specialty-Communications-863-683-7622>

OFFICIAL FACEBOOK: <https://Business.Facebook.com/LakelandSCommunications>

OFFICIAL WEBSITE: <http://www.RadioDiscounters.com>



Jim Sapp

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Intro

Amateur Radio WB4ONX

Security Consultant at LAKELAND SPECIALTY COMMUNICATION

Telecommunications engineering at Nokia Mobile

Telecommunications engineering at Northern Telecom

Telecommunications engineering at Sinai, Egypt

Studied at Nortel Telecomunicações





Mike Spears

September 14 · 🌐

When your gut tells you, you know 🤔

👍 Gordon Wayne Watts

👍 Like

💬 Comment

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Write a comment...




Jim Sapp

1h · 🌐



Some one today asked my opinions
 on a couple of subjects. ?
 Our power grid is vulnerable to EMF
 attacks.congress let's fix it.
 Let's close the border now.
 Student loan forgiveness under
 certain conditions yes.
 3.5 trillion Bill
 Hell no.
 Give illegal border aliens ss benefits
 Hell no

 Gordon Wayne Watts

1 Comment

 Like

 Comment

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Gordon Wayne Watts

Good job, and thank you for weighing in on these subjects. Just one more thing: Do you, as a fellow-Conservative, agree with me that this student loan bankruptcy bill-- which now has twice as many GOP sponsors as Democrats -- <https://www.congress.gov/.../senate-bill/2598/cosponsors> , is a good Conservative alternative to the massive Liberal free handouts currently under discussion?

A good argument for this is found at <https://ContractWithAmerica2.com/#bankruptcy> , and besides the Free Market arguments that bankruptcy would curb excessive lending/spending, the argument that I like best is that bankruptcy uniformity is not a Free Handout but rather required the U.S. Constitution's Uniformity clause. Thanks for your assessment and hopefully support of the Comyn/Hawley/Durbin bill here.



CONGRESS.GOV
Cosponsors - S.2598 - 117th
Congress (2021-2022): FRESH...

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Write a comment...



Jim Sapp

13h · 



Philip Schuyler

@FiveRights



A man who can draw 50,000 ppl in a cornfield does not lose an election to a man who could not draw 500 people in a major city.

RECAP – **((7)) Sgt. James Ring, retired, LAKELAND (FLA.) POLICE DEPARTMENT, and currently the Outreach Coordinator for U.S. Congressman C. Scott Franklin (R-FL-15)** – In response to my recent Facebook video post, a promo for the "Black Sky Event" movie about protecting the power/telcom grid from Solar Storms, EMP attacks, hacking, and cyber-attacks etc, James had this to say:

QUOTE: "Thank you for highlighting an emerging threat."

LINK: <https://www.Facebook.com/GordonWayneWatts/videos/577765013536627/>

Archive-1: <https://GordonWatts.com/FannyDeregulation/JamesRing-screenshot.PNG>

Archive-2: <https://GordonWayneWatts.com/FannyDeregulation/JamesRing-screenshot.PNG>

Archive-3: <https://ContractWithAmerica2.com/FannyDeregulation/JamesRing-screenshot.PNG>

Archive-4: <https://Archive.vn/LGhT2>

Archive-5:

<http://Web.Archive.org/web/20211026222725/https://gordonwaynewatts.com/FannyDeregulation/JamesRing-screenshot.PNG>

Archive-6:

<https://Web.Archive.org/web/20211026222545/https://contractwithamerica2.com/FannyDeregulation/JamesRing-screenshot.PNG>

COMMENTARY: While all citizens and constituents in U.S. Congressman Scott Franklin's district (FLA-15) should be listened to (especially when we ask him to spend a relatively few pennies to protect the vulnerable power and telecommunications grid), nonetheless, James is Rep. Franklin's community liaison aka outreach coordinator, and should be trusted, by his boss, Rep. C. Scott Franklin, to offer sound advice, even if it is implicit advice, as here. PROOF:

LINK: <https://www.LinkedIn.com/in/james-ring-7582a01b4>

LINK: <https://www.Facebook.com/james.ring.7106/about>



Gordon Wayne Watts
October 8 at 3:53 PM · 🌐

This is the "Black Sky Event" promo, posted publicly at the request of my good friend, Glenn Rhoades...

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Comments Hide

believe Faith over fear but common sense is helpful too!
Love · Reply · 1d 👍 1

➦ Gordon Wayne Wat... · 1 Reply

James Ring
Thank you for highlighting an emerging threat.
Love · Reply · 1h 👍 1

Gordon Wayne Watts
You're welcome, James Ring-- and, thank *you* for being receptive. My most-recent post is of the same video, but in higher quality, and I adjusted the audio for my friend, Glenn Rhoades' commentary to help a little. Glenn is a member of the EMP Taskforce on which the legendary Dr. Peter Pry is also a member.
Care · Reply · 8m 👍 1

Write a reply... 🗨️ 📷 📺 🗣️ 🗑️

Write a comment... 🗨️ 📷 📺 🗣️ 🗑️