Janca, Andrew

From:	Andrew Janca <andrew.janca.2@outlook.com>
Sent:	Thursday, September 1, 2022 08:25
To:	----------@latimes.com; ----------@washpost.com; ----------@mercatus.gmu.edu
Cc:	Janca, Andrew; -------@gmu.edu; tips@latimes.com; lockbox@washpost.com; national@washpost.com; editorial@newsmax.com; tips@nationalreview.com; tips@reason.com; Andrew Janca
Subject:	1/2 – Documentation. Terror & political violence (domestic, foreign, left, right), 307-78. Pandemics, pp. 173-86. Hurricanes, 187-96. Power loss deaths, 197-98. Fire, 231-36, 563-80. Tornadoes, 217-30. Border surge, 543-62. Climate change, 472-88.
Attachments:	Attachment list 20220901.pdf; Strategic National Risk Assessment (SNRA) 2015 - Consolidated unclassified documentation.pdf; Full unclassified documentation (original pdfs).zip

This was supposed to go out to every state, tribal, territorial, Federal, and community emergency manager in the Nation in 2015. It got buried instead. That was mostly my fault, but I haven't been able to undo it since (*How this happened*, p. 2 https://5usc2302.github.io/risk/5_U.S.C._2302_justification/SNRA_FAQ_20190319.pdf#page=2).

The first attached is a one-volume consolidated version/binder of the unclassified documentation of record. The latter (the original May/June 2015 pdfs with the draft labels still on them) is in the zipfile. Page numbers below refer to the first attached.

Everything is 100% unclassified.

Some relevant parts (note that not everything below is bad):

- **Unclassified** portions of CBRN and 2011 cyber-terrorism analyses, pp. 61-66, 379-408.
  - Unclassified descriptions of classified sources, pp. 61-66, 451-457.
  - Unclassified descriptions of the SNRA 2011 analyses which the 2015 SNRA superseded (including the conventional-terrorism analyses which used classified data in 2011): SNRA 2015 Technical Appendix (in the zipfile), second half (pp. 235-end). A cleaned-up PDF version (like the first attached) of the latter is at https://5usc2302.github.io/risk/Full%20documentation/SNRA%202011%20Unclassified%20documentation%20of%20findings%20(2nd%20half%20of%20Technical%20Appendix).pdf [[https://5usc2302.github.io/risk/Full%20documentation/SNRA%202011%20Unclassified%20documentation%20of%20findings%20%282nd%20half%20of%20Technical%20Appendix%29.pdf]].
- **Unclassified** conventional and 2015 cyber-terrorism analyses, pp. 58-60, 307-378, 501-649.
  - Details that the SNRA omits in its own tables are in their cited sources (most are in pp. 57-66 of https://www.fbi.gov/file-repository/stats-services-publications-terrorism-2002-2005-terror02_05.pdf).
  - Description of how the 2015 revisions avoided classification issues, email 2/2 zipfile *Supporting files and context.zip / FOIA letters 2020 / 0 SNRA FOIA FOIA - 2020-FEFO-00852.pdf* (or https://5usc2302.github.io/risk/5%20U.S.C.%202302%20justification/FOIA%20letters%202020/0%20SNRA%20FOIA%20FOIA%20-%202020-FEFO-00852.pdf) pp. 6-7 (*Security exemptions (exemptions 1, 3)* and footnotes).
- **Pandemics.** Relative risk, p. 27 (figure 2a). Detail, pp. 173-186, 593-596.
- **Electric grid** related risks. The SNRA's power loss mortality model (https://5usc2302.github.io/risk/5_U.S.C._2302_justification/Sent_in_July/Sent_July_4/SNRA_follow-up_letter_20201016.pdf pp. 1-2) is primarily documented in the space weather chapter, pp. 197-198, 201, 204-205. The low estimate (which the SNRA uses for its own numbers) is 1.8 deaths/million people-days. The high estimate which accurately predicted Maria's deaths is 11.25 deaths/million people-days.
  - **Space weather**, pp. 27 (figure 2b), 197-215.
  - **Physical attack on the electric grid**, pp. 365-377.
  - **Electric grid failure (natural/accidental)**, pp. 503-508.
  - **Cyber-attacks** on the electric grid, pp. 642-645.

- **Climate change**, pp. F-21 - F-23 [front insert], 472-488, 559-560.
  - The final (2016) versions of the maps on pp. 485-488 are in www.rand.org/pubs/research_reports/RR1400/RR1453/RAND_RR1453.pdf.
- **Drought**, pp. 147-154.
- **Heat waves**, pp. 509-514.
  - The missing low/best/high frequencies in the data table on page 514 are 0.14 / 0.29 / 3 events/year respectively [1]. For annualized risk comparisons, the average (1,500 deaths / year) of the 1,000-2,000 deaths/year range on page 511 is a suitable best estimate. [2]
- **Hurricanes**, pp. 27 (figure 2b), 187-196.
- **Tornadoes,** pp. 217-230.
- **Wildfires**, pp. 231-236 and 537-538.
  - **Fires and explosions** of generally unintentional origin, pp. 269-278, 527-542, 563-569.
- **Winter storms**, pp. 237-246.

- **Migrant surges / mass migration**, pp. 543-562.
  - DHS defines risk as the potential for an *unwanted* outcome (SNRA terms of reference page 1/1a footnote 4, https://5usc2302.github.io/risk/5_U.S.C._2302_justification/What's_missing.pdf), not a bad outcome. Border surges are unwanted events, but the people in them are good.
- **Energy, food, water, and supply chain** risks to society, pp. 465-468, 479-480, 638-641.

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[1] Low frequency: 0.14 = 1/7 years, the longest gap between events in table 7 (p. 513). Best estimate frequency = 0.29/year, 6 events in 21 years (p. 512). High frequency = 3 / year (max # of events in one year [1999]). I made the decision (I was the technical lead for FEMA's 2015 update) to leave the data table on page 514 incomplete in 2015 because I mistakenly believed that the small number of data points indicated an incomplete record, when in fact they accurately reflected the dispersal in time that characterize great heat wave events in this country. So they are the best numbers to use.

[2] Since most fatality risk comes from heat events outside the 100+ fatality threshold for this SNRA hazard, the 1,000 – 2,000 deaths / year number referenced on page 511 is more appropriate for annualized risk comparisons than the 73 deaths / year average of the threshold set (258 average deaths / event times 0.29 events / year). The best-estimate average of that range (1,500/year) matches AP's current estimate, https://www.foxnews.com/us/americans-threatened-extreme-heat-record-temperatures (2022/06/21).

I am not speaking for my Department or Component, any past or present DHS organization, or any past or present colleagues. I will forward these letters to my chain of command, DHS, and DHS/FEMA next: I'll let you know when that's done, probably some time today or tomorrow.

Everything is unclassified, and non-security sensitive.

The unredacted information that these letters, attachments, and links communicate is explicitly within the scope of 5 U.S.C. § 2302, and communicated solely for its lawful purposes.

Thank you,

Andrew Janca
andrew.janca.2@outlook.com (this address)

From: Andrew Janca
Sent: September 1, 2022 7:49 AM
To: ----------@latimes.com; ----------@washpost.com;---------- @mercatus.gmu.edu
Cc: andrew.janca@fema.dhs.gov; tips@latimes.com; lockbox@washpost.com; national@washpost.com; - -------- @gmu.edu; editorial@newsmax.com; tips@nationalreview.com; tips@reason.com; andrew.janca.2@outlook.com
Subject: 0/2 - DHS and DHS/FEMA Strategic National Risk Assessment (SNRA) (the U.S. national risk assessment that you probably never heard of, because it disappeared) - Attachment list for following emails
Attachments: Attachment list 20220901.pdf

Hello – The documentation and context follow. I'm sending the attachment list by itself first, so you'll know if something didn't come through. (Everything is unclassified, and non-security sensitive.)

Thank you,

Andrew Janca
andrew.janca.2@outlook.com (this address)