

1. Appendices-

Appendix A Bibliography

1. American Meteorological Society (AMS). 2012. "Rain". Retrieved at: <https://glossary.ametsoc.org/wiki/Rain>.
2. Association of State Dam Safety officials (ASDSO). 2010. Dam Failures and Incidents. Retrieved at: <http://www.damsafety.org/news/?p=94bdfdd0-633a-4fa2-bc39-0083c58d14ba>.
3. Baker, R. E., & Metcalf, C. J. E. July 21, 2022. "Disease Spread: heating and stirring the global viral soup". *Nature*. 607(7919), 455-456. Retrieved at: <https://collaborate.princeton.edu/en/publications/disease-spread-heating-and-stirring-the-global-viral-soup>
4. Barnard, Anne and Sarah Maslin Nir. October 30, 2011. "Cleaning Up After Nature Plays a Trick." *The New York Times*. Retrieved at: <http://www.nytimes.com/2011/10/31/nyregion/october-snowstorm-sows-havoc-on-northeastern-states.html?pagewanted=all&r=2&>.
5. Bergmueller, Jonathon. September 18, 2023. "Capital City Mall evacuated after bomb threat". *PennLive*. Retrieved at: <https://www.pennlive.com/galleries/6DURQCNN75HZ5EFWPD2BH4623U/>
6. Blackport, R., & Screen, J. A. March 12, 2021. "Observed Statistical Connections Overestimate the Causal Effects of Arctic Sea Ice Changes on Midlatitude Winter Climate". *Journal of Climate*, 34(8), 3021-3038. Retrieved at: <https://doi.org/10.1175/JCLI-D-20-0293.1>
7. Bonura, Denise. January 26, 2016. "Blizzard nearly breaks record in Shippensburg". *The Shippensburg News-Chronicle*. Retrieved at: https://www.shipnc.com/news/local/article_90980986-c3d3-11e5-abb5-2bf6236de34d.html
8. Brinner, Vicki Vellios. October 18, 2020. "Plane crash at Carlisle Airport". *PennLive*. Retrieved at: <https://www.pennlive.com/galleries/QX76YJBM6NFDVGV7YNDERVTRII/>
9. Britannica. August 5, 2024. "Cloudburst". Retrieved at: <https://www.britannica.com/science/cloudburst>
10. Burns, Sarah. May 5, 2024. "UPDATE: Dickinson College rescinds invite for scheduled speaker Michael Smerconish". *WJAC*. Retrieved at: <https://wjactv.com/news/local/pro-palestine-encampment-protest-against-smerconish-as-dickinson-college-speaker>
11. Carr, Andrew. March 25, 2014. "Update: Plane that crashed on Forge Road was sold earlier in the day." *The Sentinel*. Retrieved at: http://cumberlink.com/news/local/communities/boiling_springs/update-plane-that-crashed-on-forge-road-was-sold-earlier/article_46ae7fd2-b3cf-11e3-bdbc-001a4bcf887a.html.
12. Chesapeake Bay Program (CBP). 2024. "CBP Land Use/Land Cover Data Project". Retrieved at: [Chesapeake Conservancy](#)
13. CBS News. September 21, 2024. "Three Mile Island nuclear plant to reopen, sell power to Microsoft". *CBS News*. Retrieved at: <https://www.cbsnews.com/news/three-mile-island-microsoft-nuclear-power/>

14. CBS 21 News. March 31, 2024. "Over 100 displaced after grilling coals spark Carlisle apartment fire". CBS 21 News. Retrieved at: <https://local21news.com/news/local/dozens-displaced-red-cross-helping-after-carlisle-apartment-fire>
15. Centers for Disease Control and Prevention (CDC). February 10, 2010. "2009 H1N1 Flu ("Swine Flu") and You". Retrieved at: <https://archive.cdc.gov/#/details?url=https://www.cdc.gov/h1n1flu/qa.htm>.
16. Centers for Disease Control and Prevention (CDC). 2015. Who is at High Risk for Flu Complications. Retrieved at: <https://www.cdc.gov/flu/highrisk/index.htm>
17. Centers for Disease Control and Prevention (CDC). June 11, 2019. "2009 H1N1 Pandemic". Retrieved at: https://archive.cdc.gov/www_cdc.gov/flu/pandemic-resources/2009-h1n1-pandemic.html
18. Centers for Disease Control and Prevention (CDC). May 14, 2018. "The 1918 Flu Pandemic: Why it Matters 100 Years Later". Retrieved at: <https://blogs.cdc.gov/publichealthmatters/2018/05/1918-flu/>.
19. Centers for Disease Control and Prevention (CDC). March 15, 2023a. "CDC Museum COVID-19 Timeline". Retrieved at: <https://www.cdc.gov/museum/timeline/covid19.html>
20. Centers for Disease Control and Prevention (CDC). October 27, 2023b. "Variants Happen". Retrieved at: <https://www.cdc.gov/ncird/whats-new/variants-happen.html>
21. Centers for Disease Control and Prevention (CDC). 2024a. "About Anaplasmosis". Retrieved at: <https://www.cdc.gov/anaplasmosis/about/index.html>
22. Centers for Disease Control and Prevention (CDC). 2024b. "About Babesiosis". Retrieved at: <https://www.cdc.gov/babesiosis/about/index.html>
23. Centers for Disease Control and Prevention (CDC). 2024c. "About Ehrlichiosis". Retrieved at: <https://www.cdc.gov/ehrlichiosis/about/index.html>
24. Centers for Disease Control and Prevention (CDC). 2024d. "About Lyme Disease". Retrieved at: <https://www.cdc.gov/lyme/about/index.html>
25. Centers for Disease Control and Prevention (CDC). 2024e. "About Powassan". Retrieved at: <https://www.cdc.gov/powassan/about/index.html>
26. Centers for Disease Control and Prevention (CDC). 2024f. "About Rocky Mountain Spotted Fever". Retrieved at: <https://www.cdc.gov/rocky-mountain-spotted-fever/about/index.html>
27. Centers for Disease Control and Prevention (CDC). 2024g. "About Zoonotic Diseases". Retrieved at: <https://www.cdc.gov/one-health/about/about-zoonotic-diseases.html>
28. Centers for Disease Control and Prevention (CDC). 2024h. "About West Nile". Retrieved at: <https://www.cdc.gov/west-nile-virus/about/index.html>
29. Centers for Disease Control and Prevention. (CDC). 2024i. "Climate and Fungal Diseases". Retrieved at: <https://www.cdc.gov/fungal/about/climate-change-and-fungal-diseases.html>
30. Centers for Disease Control and Prevention (CDC). 2024j. "Long COVID Basics". Retrieved at: https://www.cdc.gov/covid/long-term-effects/?CDC_AAref_Val=https://www.cdc.gov/coronavirus/2019-ncov/long-term-effects/index.html

31. Centers for Disease Control and Prevention (CDC). 2024k. "Lyme Disease Surveillance Data". Retrieved at: <https://www.cdc.gov/lyme/data-research/facts-stats/surveillance-data-1.html>
32. Centers for Disease Control and Prevention (CDC). 2024l. "Signs and Symptoms of Untreated Lyme Disease". Retrieved at: <https://www.cdc.gov/lyme/signs-symptoms/index.html>
33. Centers for Disease Control and Prevention (CDC). 2024m. "Symptoms of Covid-19". Retrieved at: https://www.cdc.gov/covid/signs-symptoms/?CDC_AAref_Val=https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html
34. Centers for Disease Control and Prevention (CDC). 2024n. "United States Covid-19 Deaths". Retrieved at: https://covid.cdc.gov/covid-data-tracker/?list_select_state=Pennsylvania&data-type=CommunityLevels&null=CommunityLevels&list_select_county=42101#maps_deaths-total
35. Centers for Disease Control and Prevention (CDC). 2024o. "West Nile: Causes and How it Spreads". Retrieved at: <https://www.cdc.gov/west-nile-virus/causes/index.html>
36. Centers for Disease Control and Prevention (CDC). 2024p. "West Nile: Symptoms, Diagnosis, & Treatment". Retrieved at: <https://www.cdc.gov/west-nile-virus/symptoms-diagnosis-treatment/index.html>
37. Centers for Disease Control and Prevention (CDC). 2024q. "What Causes Contamination Versus Exposure". Retrieved at: <https://www.cdc.gov/radiation-emergencies/causes/index.html>
38. Chemical Hazards Emergency Medical Management (CHEMM). 2024. "Information for the Public about Terrorism". Retrieved at: <https://chemm.hhs.gov/publicinfoterrorism.htm>
39. Chen, C., Ban, Y., Wang, X., and Lei, T. September 2017. "Measuring flow velocity on frozen and non-frozen slopes of black soil through leading edge method". *International Soil and Water Conservation Research*. Volume 5, Issue 3, Pages 180-189, ISSN 2095-6339. Retrieved at: <https://www.sciencedirect.com/science/article/pii/S2095633916301356>
40. Cleary, P. & Houts, P. 1984. "The Psychological Impact of the Three Mile Island Incident". *Journal of human stress*. 10. 28-34. 10.1080/0097840X.1984.9934956. Retrieved at: https://www.researchgate.net/publication/16724778_The_Psychological_Impact_of_the_Three_Mile_Island_Incident
41. Climate Mapping for Resilience and Adaptation (CMRA). 2025. Retrieved at: <https://livingatlas.arcgis.com/assessment-tool/search>
42. Cohen, J., Pfeiffer, K., and Francis, J. A. March 13, 2018. "Warm Arctic episodes linked with increased frequency of extreme winter weather in the United States". *Nature communications*, 9(1), 869. Retrieved at: <https://doi.org/10.1038/s41467-018-02992-9>
43. Commonwealth of Pennsylvania. 2024. "Emergency Proclamations by the Governor". Retrieved at: <https://www.pa.gov/agencies/pema/resources/emergency-proclamations.html>
44. Croley, Christen. September 14, 2013. "FRA: Train speed likely not a factor in Monroe Township collision." *The Sentinel*. Retrieved at: http://cumberland.com/news/local/fra-train-speed-likely-not-a-factor-in-monroe-township/article_5ddfd2d4-1bd4-11e3-bd68-0019bb2963f4.html.

45. Cumberland County. January 20, 2022. "Green Up the Footprint". *Cumberland County Climate Change Action Plan*. Retrieved at: <https://www.cumberlandcountypa.gov/4898/Climate-Action-Plan>
46. Cumberland County Department of Public Safety (DPS). 2011. "Cumberland County Department of Public Safety Annual Report 2011." Retrieved at: <http://www.ccpa.net/DocumentCenter/Home/View/8687>.
47. Cumberland County Office of Emergency Preparedness (Cumberland EOP). August 1984. *Hazards/Vulnerability Analysis – Cumberland County*.
48. DeCourcy Hinds, Michael. January 5, 1994. "First Storm of '94 Dumps Snow, Ice and Rain From West Virginia to Maine." *The New York Times*. Retrieved at: <http://www.nytimes.com/1994/01/05/nyregion/first-storm-of-94-dumps-snow-ice-and-rain-from-west-virginia-to-maine.html>.
49. Delaware Valley Regional Planning Commission. (DVRPC). November 2022. DVRPC News: November 2022. Volume 44, Issue 5. Retrieved at: <https://www.dvrpc.org/newsletters/dvrpcnews/2022/november#th4>
50. DeLetter, Emily. February 13, 2024. "Pennsylvania outage map: Nearly 150,000 power outages reported as Nor-easter slams region". *USA Today*. Retrieved at: <https://www.usatoday.com/story/news/nation/2024/02/13/pennsylvania-power-outage-map-tuesday/72581112007/>
51. Done, A., Simmons, K., Czajkowski, J. 2018. "Relationship between Residential Losses and Hurricane Winds: Role of the Florida Building Code". Retrieved at: <https://ascelibrary.org/doi/10.1061/AJRUA6.0000947>
52. Doocy, S., Daniels, A., Murray, S., & Kirsch, T. D. 2013. "The human impact of floods: a historical review of events 1980-2009 and systematic literature review". *PLoS currents*, 5, ecurrents.dis.f4deb457904936b07c09daa98ee8171a. Retrieved at: <https://pubmed.ncbi.nlm.nih.gov/23857425/>
53. Doshi P. May 2008. "Trends in recorded influenza mortality: United States, 1900-2004". *American journal of public health*, 98(5), 939–945. Retrieved at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2374803/>
54. DTN. 2021. "How Does Aging Infrastructure Affect Utility Companies?". Retrieved at: <https://www.dtn.com/how-does-aging-infrastructure-affect-utility-companies/>
55. Dunn, Ashley. March 13, 1994. "A Winter of Disaster Leaves Bills to Prove It". *The New York Times*. Retrieved at: <https://www.nytimes.com/1994/03/13/us/a-winter-of-disaster-leaves-the-bills-to-prove-it.html>
56. Dupigny-Giroux, L.A., E.L. Mecray, M.D. Lemcke-Stampone, G.A. Hodgkins, E.E. Lentz, K.E. Mills, E.D. Lane, R. Miller, D.Y. Hollinger, W.D. Solecki, G.A. Wellenius, P.E. Sheffield, A.B. MacDonald, and C. Caldwell, 2018: Northeast. In *Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II* [Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, pp. 669–742. doi: 10.7930/NCA4.2018.CH18

57. Earle, S. (2015). "Chapter 11: Earthquakes". Physical Geology. Victoria, B.C.: BCcampus. Retrieved at: <https://opentextbc.ca/geology/>
58. Fairleigh Dickinson University. 2024. "Cybersecurity and Cyber Terrorism". Retrieved at: <https://online.fdu.edu/program-resources/cybersecurity-and-cyber-terrorism/>
59. Federal Bureau of Investigation. (FBI). 2023. "Strategic Intelligence Assessment and Data on Domestic Terrorism". Retrieved at: <https://www.fbi.gov/file-repository/fbi-dhs-domestic-terrorism-strategic-report-2023.pdf/view>
60. Federal Bureau of Investigation (FBI). 2024a. "FBI Active Shooter Safety Resources". Retrieved at: <https://www.fbi.gov/how-we-can-help-you/active-shooter-safety-resources>
61. Federal Bureau of Investigation. (FBI). 2024b. "Terrorism". Retrieved at: <https://www.fbi.gov/investigate/terrorism>
62. Federal Emergency Management Agency (FEMA). 1997. *Multi-Hazard Identification and Risk Assessment: A Cornerstone of the National Mitigation Strategy*. Washington, D.C.
63. Federal Emergency Management Agency (FEMA). July, 2000. *Benefit-Cost Analysis of Hazard Mitigation Projects: Tornado and Hurricane Shelter Model*. Retrieved at: https://www.lawrenceks.org/assets/agendas/cc/2013/06-18-13/cm_report_storm_shelter_benefit_cost_analysis.pdf.
64. Federal Emergency Management Agency (FEMA). August, 2001. *FEMA 386-2: Understanding Your Risks – Identifying Hazards and Estimating Losses*.
65. Federal Emergency Management Agency (FEMA). September, 2002. *FEMA 386-1: Getting Started*.
66. Federal Emergency Management Agency (FEMA). April, 2003. *FEMA 386-3: Developing the Mitigation Plan*.
67. Federal Emergency Management Agency (FEMA). August, 2003. *FEMA 386-4: Bringing the Plan to Life*.
68. Federal Emergency Management Agency (FEMA). September, 2003. *FEMA 386-7: Integrating Manmade Hazards into Mitigation Planning*.
69. Federal Emergency Management Agency (FEMA). May, 2005. *FEMA 386-6: Integrating Historic Property and Cultural Resource Considerations into Hazard Mitigation Planning*.
70. Federal Emergency Management Agency (FEMA). August, 2006. *FEMA 386-8: Multijurisdictional Mitigation Planning*.
71. Federal Emergency Management Agency (FEMA). May, 2007. *FEMA 386-5: Using Benefit-Cost Review in Mitigation Planning*.
72. Federal Emergency Management Agency (FEMA). January, 2008. *National Fire Incident Reporting System 5.0: Complete Reference Guide*.
73. Federal Emergency Management Agency (FEMA). August, 2008. *FEMA 386-9: Using the Hazard Mitigation Plan to Prepare Successful Mitigation Projects*.

74. Federal Emergency Management Agency (FEMA). April 2009. "General Information on Terrorism." Retrieved at <http://www.fema.gov/hazard/terrorism/info.shtm>.
75. Federal Emergency Management Agency (FEMA). June 4, 2009. *Tornado Activity in the United States*. Retrieved at: http://www.fema.gov/plan/prevent/saferoom/tsfs02_torn_activity.shtm.
76. Federal Emergency Management Agency (FEMA). 2009. *Wind Zones in the United States*. Retrieved at: <http://www.fema.gov/safe-rooms/wind-zones-united-states>.
77. Federal Emergency Management Agency – Region III (FEMA – Region III). 2009. *Mid-Term Levee Inventory*. Philadelphia, PA.
78. Federal Emergency Management Agency. 2014. "Disaster Declarations for Pennsylvania." Retrieved at https://www.fema.gov/disasters/grid/state-tribal-government/44?field_disaster_type_term_tid_1=All.
79. Federal Emergency Management Agency (FEMA). 2014. National Flood Insurance Program Community Rating System. Retrieved at: <http://www.fema.gov/national-flood-insurance-program-community-rating-system>.
80. Federal Emergency Management Agency (FEMA). January, 2015. *National Fire Incident Reporting System 5.0: Complete Reference Guide*.
81. Federal Emergency Management Agency (FEMA). August 2019. "Hazardous Materials Incidents: Guidance for State, Local, Tribal, Territorial, and Private Sector Planners". Retrieved from: <https://www.fema.gov/sites/default/files/2020-07/hazardous-materials-incidents.pdf>
82. Federal Emergency Management Agency (FEMA). 2022a. "FEMA Glossary". Retrieved at: <https://training.fema.gov/programs/emischool/el361toolkit/glossary.htm#C>
83. Federal Emergency Management Agency (FEMA). 2022b. "Hazard Mitigation Assistance Grants". Retrieved at: <https://www.fema.gov/grants/mitigation>.
84. Federal Emergency Management Agency (FEMA). 2022c. "State Mitigation Planning Policy Guide". Retrieved at: https://www.fema.gov/sites/default/files/documents/fema_state-mitigation-planningpolicy-guide_042022.pdf.
85. Federal Emergency Management Agency (FEMA). March 2023. "Community Rating System: A Local Official's Guide to Saving Lives, Preventing Property Damage, and Reducing the Cost of Flood Insurance". Retrieved at: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.fema.gov/sites/default/files/documents/fema_a_crs-brochure_032023.pdf
86. Federal Emergency Management Agency (FEMA). April 19, 2023. "Local Mitigation Planning Policy Guide". Retrieved at: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.fema.gov/sites/default/files/documents/fema_a_local-mitigation-planning-policy-guide_042022.pdf
87. Federal Emergency Management Agency (FEMA). May 2023. "Local Mitigation Planning Handbook". Retrieved at: https://www.fema.gov/sites/default/files/documents/fema_local-mitigation-planning-handbook_052023.pdf

88. Federal Emergency Management Agency (FEMA). July 10, 2024a. "Planning Guides". Retrieved at: <https://www.fema.gov/emergency-managers/national-preparedness/plan>
89. Federal Emergency Management Agency (FEMA). 2024b. "Winter Storms". Retrieved at: <https://community.fema.gov/ProtectiveActions/s/article/Winter-Storm>
90. Federal Emergency Management Agency – Community Information System (FEMA CIS). September 26, 2024. Retrieved at: <https://portal.fema.gov/famsVuWeb/home>
91. Federal Aviation Administration (FAA). 2018. "Fact Sheet – General Aviation Safety." Retrieved at: https://www.faa.gov/news/fact_sheets/news_story.cfm?newsId=21274
92. Feurerstein, Jacob. February 1, 2022. "Climate change may be fueling increase in major Northeast snowstorms". *The Washington Post*. Retrieved at: <https://www.washingtonpost.com/weather/2022/02/01/northeast-snow-storm-climate/>
93. First Street. 2024a. "Does Cumberland County have Wildfire Risk?" Retrieved at: https://firststreet.org/county/cumberland-county-pa/42041_fsid/fire
94. First Street. 2024b. "Does Cumberland County have Wind Risk?" Retrieved at: https://firststreet.org/county/cumberland-county-pa/42041_fsid/wind
95. Flood Panel. N.d. "Nor'easters Cause More Flooding than Hurricanes in the Northeast". Retrieved at: <https://www.floodpanel.com/noreasters-cause-more-flooding-hurricanesnortheast/>
96. Flory, S.L., Clay, K., Emery, S.M., Robb, J.R., Winters, B. May 11, 2015. "Fire and non-native grass invasion interact to suppress tree regeneration in temperate deciduous forests". *Journal of Applied Ecology*. 52, 992–1000. Retrieved at: <https://besjournals.onlinelibrary.wiley.com/doi/full/10.1111/1365-2664.12437>
97. Geis, Jamie, et al. 2012. "Snow-Induced Building Failures." *Journal of Performance of Constructed Facilities*, vol. 26, no. 4, pp. 377–388. Retrieved at: [https://doi.org/10.1061/\(asce\)cf.1943-5509.0000222](https://doi.org/10.1061/(asce)cf.1943-5509.0000222).
98. Global Security. May 2009. "Flu Pandemics in History". Retrieved at: http://www.globalsecurity.org/security/ops/hsc-scen-3_pandemic-history.htm.
99. Ginter, George. September 11, 2011. "Map: Tropical Storm Lee dumped more than 13 inches of rain in some central Pennsylvania towns". *PennLive*. Retrieved at: https://www.pennlive.com/midstate/2011/09/tropical_storm_lee_dumped_more.html
100. Gitt, Tammie. July 26, 2018. "'Walls of Water' in Newville as Midstate recovers from five days of torrential rains". *The Sentinel*. Retrieved at: https://cumberlink.com/news/local/walls-of-water-in-newville-as-midstate-recovers-from-five-days-of-torrential-rains/article_0a63d2c6-cc7f-55ab-9e9f-d7d6806d0a9e.html
101. Gitt, Tammie. June 7, 2018. "Crews quickly control fire at fuel storage facility in Hampden Township". *The Sentinel*. Retrieved at: https://cumberlink.com/news/local/communities/mechanicsburg/crews-quickly-control-fire-at-fuel-storage-facility-in-hampden-township/article_f58c670f-20d6-572d-8c81-70bf9c81746a.html

102. Hall, Leah. December 22, 2023. "California man arrested for multiple 'swatting' calls across Cumberland and Franklin Counties". *Fox43*. Retrieved at: <https://www.fox43.com/article/news/crime/california-man-arrested-swatting-calls-cumberland-franklin-counties/521-750bc2a1-7835-4ea6-85d6-eea8296f73b0>
103. Hall, Leah. August 9, 2024. "42,000 central Pennsylvanians under boil water advisory". *Fox43*. Retrieved at: <https://www.fox43.com/article/news/local/cumberland-county/42000-central-pennsylvanians-residents-boil-water-advisory/521-71219f60-ff6b-4eb0-9cd1-991e7538e649>
104. Hinsdale, J. 2018. "How Road Salt Harms the Environment". *State of the Planet, Columbia Climate School*. Retrieved at: <https://news.climate.columbia.edu/2018/12/11/road-salt-harms-environment/>
105. Harrisburg Area Transportation Study (HATS). 2010. "2035 Regional Transportation Plan". Retrieved at: <http://www.tcrpc-pa.org/HATS/Regional-Transportation-Plan/Pages/2035-Plan.aspx>
106. Harrisburg Area Transportation Study (HATS). 2016. "Traffic Safety in the Tri-County Region 2010-2014". Retrieved at: <https://www.tcrpc-pa.org/hats-safety>
107. Harrisburg Area Transportation Study (HATS). 2017. "Congestion Management Process". Retrieved at: <https://www.tcrpc-pa.org/hats-plans-publications>
108. Huang, H., Winter, J. M., & Osterberg, E. C. 2018. "Mechanisms of abrupt extreme precipitation change over the northeastern United States". *Journal of Geophysical Research: Atmospheres*, 123, 7179–7192. Retrieved at: <https://doi.org/10.1029/2017JD028136>
109. Huang, H., Patricola, C.M., Winter, J.M., Osterberg, E.C., Mankin, J.S. 2021. "Rise in Northeast US extreme precipitation caused by Atlantic variability and climate change". *Weather and Climate Extremes*, Volume 33, 100351, ISSN 2212-0947. Retrieved at: <https://doi.org/10.1016/j.wace.2021.100351>
110. Hurst, Andrew. March 29, 2021. "Tornadoes Caused \$2.5 Million in Damage Per Storm Across U.S. in Past Decade". *ValuePenguin*. Retrieved at: <https://www.valuepenguin.com/damage-caused-by-tornadoes>
111. Insurance Institute for Highway Safety. January 28, 2021. "New crash tests show modest speed increases can have deadly consequences". Retrieved at: <https://www.iihs.org/news/detail/new-crash-tests-show-modest-speed-increases-can-have-deadly-consequences>
112. Insurance Institute for Highway Safety. 2021. "New study suggests today's SUVs are more lethal to pedestrians than cars". Retrieved at: <https://www.iihs.org/news/detail/new-study-suggests-todays-suvs-are-more-lethal-to-pedestrians-than-cars>
113. Irmak, Suat. June 21, 2016. "Impacts of Extreme Heat Stress and Increased Soil Temperature on Plant Growth and Development". *University of Nebraska-Lincoln, Institute of Agriculture and Natural Resources*. Retrieved at: <https://cropwatch.unl.edu/2016/impacts-extreme-heat-stress-and-increased-soil-temperature-plant-growth-and-development/>
114. Jay, A.K., A.R. Crimmins, C.W. Avery, T.A. Dahl, R.S. Dodder, B.D. Hamlington, A. Lustig, K. Marvel, P.A. Méndez-Lazaro, M.S. Osler, A. Terando, E.S. Weeks, and A. Zycherman, 2023: Ch. 1. Overview: Understanding risks, impacts, and responses. In: Fifth National Climate Assessment. Crimmins, A.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, B.C. Stewart, and T.K. Maycock, Eds. U.S. Global Change Research Program, Washington, DC, USA. <https://doi.org/10.7930/NCA5.2023.CH1>

115. Jenkins, Michael J.; Runyon, Justin B.; Fettig, Christopher J.; Page, Wesley G.; Bentz, Barbara J. June 2014. "Interactions among the mountain pine beetle, fires, and fuels". *Forest Science*. 60(3): 489-501. Retrieved at: <https://academic.oup.com/forestscience/article/60/3/489/4583745>
116. Kemeny, M. August 23, 2011. "Earthquake Tremors Felt in Central Pennsylvania from Lycoming to Cumberland County". *PennLive*. Retrieved at: http://www.pennlive.com/midstate/index.ssf/2011/08/earthquake_tremors_felt_in_mid.html.
117. Kiner, Deb. January 22, 2017. "Relive Winter Storm Jonas: The blizzard of 2016". *PennLive*. Retrieved at: https://www.pennlive.com/life/2017/01/relive_winter_storm_jonas_the.html
118. Kiner, Deb. September 7, 2019. "Central Pa.'s 100-year flood - Tropical Storm Lee in 2011". *PennLive*. Retrieved at: <https://www.pennlive.com/life/2019/09/central-pas-100-year-flood-tropical-storm-lee-in-2011.html>
119. Kiner, Deb. October 25, 2020. "'It's not over yet': The 31st anniversary of the Camp Hill prison riots". *PennLive*. Retrieved at: <https://www.pennlive.com/life/2020/10/its-not-over-yet-the-31st-anniversary-of-the-camp-hill-prison-riots.html>
120. Knobler, S.L., Mack, A., Mahmoud, A., et al. 2005. The Threat of Pandemic Influenza: Are We Ready? Institute of Medicine (US) Forum on Microbial Threats; Workshop Summary. Washington (DC): *National Academies Press* (US); 2005. 2, Today's Pandemic Threat: H5N1 Influenza. Retrieved at: <https://www.ncbi.nlm.nih.gov/books/NBK22151/>.
121. Kochanov, W. E. 1999. *Sinkholes in Pennsylvania*. Harrisburg, PA: *Pennsylvania Geological Survey*, 4th ser., Educational Series 11.
122. Kochanov, W. E.. 2015. Sinkholes in Pennsylvania (2nd ed.): *Pennsylvania Geological Survey*, 4th ser., Educational Series 11, 30 p. Retrieved at: maps.dcnr.pa.gov/publications/Default.aspx?id=274
123. Kossin, J.P., T. Hall, T. Knutson, K.E. Kunkel, R.J. Trapp, D.E. Waliser, and M.F. Wehner, 2017: Extreme storms. In: Climate Science Special Report: *Fourth National Climate Assessment*, Volume I [Wuebbles, D.J., D.W. Fahey, K.A. Hibbard, D.J. Dokken, B.C. Stewart, and T.K. Maycock (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, pp. 257-276, doi: 10.7930/J07S7KXX.
124. Kratz, Alyssa. July 17, 2024. "Cumberland County Community comes together after quick and powerful storm rips through mobile home park". *Fox43*. Retrieved at: <https://www.fox43.com/article/news/local/cumberland-county/cumberland-county-communitypowerful-storm-mobile-home-park/521-8898c407-74b3-4b74-b1cd-05c652b707c9>
125. Leary, Neil. August 14, 2023. "Changing Climate Hazards in Cumberland County, A Review of the Evidence". *Dickinson College*. Retrieved at: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.dickinson.edu/download/downloads/id/14784/changing_climate_hazards.pdf
126. Makkai, A. 1970. "Statistical Aspects of Phrasal Idioms in Modern English". Proceedings of the 10th International Congress of Linguists, Bucharest, 1967.
127. Malmont, Lara and Joseph Cress. March 16, 2013. "Lacrosse team bus crash near Carlisle leaves driver, pregnant coach dead." *The Sentinel*. Retrieved at:

http://cumberlink.com/news/local/lacrosse-team-bus-crash-near-carlisle-leaves-driver-pregnant-coach/article_8dca4356-8e41-11e2-920b-0019bb2963f4.html.

128. Mandler, C. September 20, 2024. "Three Mile Island nuclear plant will reopen to power Microsoft data center". *npr*. Retrieved at: <https://www.npr.org/2024/09/20/nx-s1-5120581/three-mile-island-nuclear-power-plant-microsoft-ai#:~:text=Three%20Mile%20Island's%20working%20reactor,for%20other%20cheaper%20energy%20sources>.
129. Marroni, Steve. "Plane likely left Carlisle Airport hours before returning, crashing there". *PennLive*. Retrieved at: <https://www.pennlive.com/news/2020/10/plane-likely-left-carlisle-airport-hours-before-returning-crashing-there.html>
130. MCM Consulting Group, Inc. 2020. "Hazardous Materials Commodity Flow Study 2020".
131. McCarty, Maddy. February 14, 2022. "Mariner East Pipeline System Construction Complete, Commissioning in Progress". *Pipeline & Gas Journal*. Retrieved at: <https://pgjonline.com/news/2022/february/mariner-east-pipeline-system-construction-complete-commissioning-in-progress>
132. Michael Baker Jr., Inc. October 2013. "Commonwealth of Pennsylvania 2013 State Standard All-Hazard Mitigation Plan".
133. Miller, Brittany. January 19, 2017. "Legacy of Winter Storm Jonas." *PennLive*. Retrieved at: https://www.pennlive.com/news/2017/01/legacy_of_winter_storm_jonas_b.html
134. Miller, Brittany. March 14, 2017. "Winter storm Stella will soon say farewell with a bit of bluster". *PennLive*. Retrieved at: https://www.pennlive.com/news/2017/03/winter_storm_stella_will_soon.html
135. Miller, Grace. December 12, 2023. "8 hurt including 7 juveniles after school bus goes through stop sign, crashes in Cumberland Co.; PSP". *Local 21 News*. Retrieved at: <https://local21news.com/news/local/crash-involving-school-bus-with-students-on-board-in-cumberland-co>
136. Miller, Grace. February 14, 2024. "Thousands still without power, PPL says repairs may take another day for some". *Local 21 News*. Retrieved at: <https://local21news.com/news/local/thousands-still-without-power-ppl-says-repairs-may-take-another-day-dauphin-cumberland-juniata-perry-york-county-pennsylvania-outage-electric-warming-shelter-station>
137. Midwest Regional Climate Center (MRCC). 2022. "Living with Weather: Floods". Retrieved at: https://mrcc.purdue.edu/living_wx/floods/index.html
138. Moore, A. 2021. "Explainer: How Wildfires Start and Spread". *North Carolina State University College of Natural Resources News*. Retrieved at: <https://cnr.ncsu.edu/news/2021/12/explainer-how-wildfires-start-and-spread>
139. Morgan, L. July 5, 2014. "Hurricane Arthur's evolution: What is an extratropical storm?". *Alabama*. Retrieved at: https://www.al.com/news/2014/07/hurricane_arthurs_evolution_wh.html
140. Morrison, Grace, & Rush, Isabel. May 7, 2024. "Free Gaza Dickinson encampment packs up: Looking back on its goals". *The Dickinsonian*. Retrieved at: <https://thedickinsonian.com/news/2024/05/07/free-gaza-dickinson-encampment-packs-up-looking-back-on-its-goals/>

141. National Archives and Records Administration. 2024. *Code of Federal Regulations. Title 28. 28 CFR § 0.85*. Retrieved at: <https://www.ecfr.gov/current/title-28/chapter-I/part-0/subpart-P/section-0.85>
142. National Drought Mitigation Center (NDMC). 2024a. "How Does Drought Affect Our Lives?" *University of Nebraska-Lincoln*. Retrieved at: <https://drought.unl.edu/Education/DroughtforKids/DroughtEffects.aspx>
143. National Drought Mitigation Center (NDMC). 2024b. "The Palmer Drought Severity Index". *University of Nebraska-Lincoln*. Retrieved at: <https://drought.unl.edu/ranchplan/DroughtBasics/WeatherandDrought/MeasuringDrought.aspx>
144. National Fire Protection Association (NFPA). 2020. "1720 Standards". Retrieved at: <https://www.nfpa.org/codes-and-standards/nfpa-1720-standard-development/1720>
145. National Oceanic and Atmospheric Administration (NOAA). 2024a. "Thunderstorm Winds and Derechos". Retrieved at: <https://www.weather.gov/safety/wind-thunderstorms-derecho#:~:text=When%20most%20people%20think%20about,rotation%2C%20i.e.%20not%20a%20tornado.>
146. National Oceanic and Atmospheric Administration (NOAA). 2024b. "What is a hurricane?" Retrieved at: <https://oceanservice.noaa.gov/facts/hurricane.html>
147. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 1994. "1994 February Ice Storm". Retrieved at: <https://www.ncei.noaa.gov/nespls/olstore.prodspecific?prodnum=3669>
148. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2016. "Storm Events Database". Retrieved at: <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=609333>
149. National Oceanic and Atmospheric Administration – National Centers for Environmental Information. (NOAA NCEI). 2017. "On This Day: The 1993 Storm of the Century". Retrieved at: <https://www.ncei.noaa.gov/news/1993-snow-storm-of-the-century>
150. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2021. "Storm Events Database". Retrieved at: <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=942492>
151. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024a. "Climate at a Glance: County Time Series". Retrieved at: https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/county/time-series/PA-041/tavg/ytd/12/1895-2024?base_prd=true&begbaseyear=1901&endbaseyear=2023&trend=true&trend_base=10&begtrendyear=1895&endtrendyear=2024
152. National Oceanic and Atmospheric Administration – National Centers for Environmental information (NOAA NCEI). 2024b. "Climate at a Glance: County Time Series". Retrieved at: https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/county/time-series/PA-041/pcp/12/12/1895-2024?base_prd=true&begbaseyear=1901&endbaseyear=2023&trend=true&trend_base=10&begtrendyear=1895&endtrendyear=2024

153. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024c. “Snowfall Extremes”. Retrieved at:
<https://www.ncei.noaa.gov/access/monitoring/snowfall-extremes/PA/1>
154. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024d. “Storm Events Database”. Retrieved at:
<https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1154624>
155. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024e. “Storm Events Database – Blizzard”. Retrieved at:
https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28Z%29+Blizzard&beginDate_mm=01&beginDate_dd=01&beginDate_yyyy=1961&endDate_mm=09&endDate_dd=11&endDate_yyyy=2024&county=CUMBERLAND%3A41&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=42%2CPENNSYLVANIA
156. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024f. “Storm Events Database – Flash Floods, Floods”. Retrieved at:
https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28C%29+Flash+Flood&eventType=%28Z%29+Flood&beginDate_mm=01&beginDate_dd=01&beginDate_yyyy=1950&endDate_mm=09&endDate_dd=10&endDate_yyyy=2024&county=CUMBERLAND%3A41&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=42%2CPENNSYLVANIA
157. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024g. “Storm Events Database – Funnel Clouds”. Retrieved at:
https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28C%29+Funnel+Cloud&beginDate_mm=01&beginDate_dd=01&beginDate_yyyy=1961&endDate_mm=09&endDate_dd=11&endDate_yyyy=2024&county=CUMBERLAND%3A41&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=42%2CPENNSYLVANIA
158. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024h. “Storm Events Database – Heavy Snow”. Retrieved at:
https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28Z%29+Heavy+Snow&beginDate_mm=01&beginDate_dd=01&beginDate_yyyy=1961&endDate_mm=09&endDate_dd=11&endDate_yyyy=2024&county=CUMBERLAND%3A41&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=42%2CPENNSYLVANIA
159. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024i. “Storm Events Database – Ice Storm”. Retrieved at:
https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28Z%29+Ice+Storm&beginDate_mm=01&beginDate_dd=01&beginDate_yyyy=1961&endDate_mm=09&endDate_dd=11&endDate_yyyy=2024&county=CUMBERLAND%3A41&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=42%2CPENNSYLVANIA
160. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024j. “Storm Events Database – Thunderstorm Winds”. Retrieved at:
https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28C%29+Thunderstorm+Wind&beginDate_mm=01&beginDate_dd=01&beginDate_yyyy=2005&endDate_mm=09&endDate_dd=11&endDate_yyyy=2024&county=CUMBERLAND%3A41&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=42%2CPENNSYLVANIA

161. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024k. “Storm Events Database – TORNADOS”. Retrieved at: https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28C%29+Tornado&beginDate_mm=01&beginDate_dd=01&beginDate_yyyy=1961&endDate_mm=09&endDate_dd=11&endDate_yyyy=2024&county=CUMBERLAND%3A41&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=42%2CPENNSYLVANIA
162. National Oceanic and Atmospheric Administration – National Centers for Environmental Information (NOAA NCEI). 2024l. “Storm Events Database – Winter Storms”. Retrieved at: https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28Z%29+Winter+Storm&beginDate_mm=01&beginDate_dd=01&beginDate_yyyy=1961&endDate_mm=09&endDate_dd=11&endDate_yyyy=2024&county=CUMBERLAND%3A41&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=42%2CPENNSYLVANIA
163. National Oceanic and Atmospheric Administration (NOAA) – National Hurricane Center. 2022. “Saffir-Simpson Hurricane Wind Scale”. Retrieved at: <https://www.nhc.noaa.gov/aboutsshws.php>
164. National Oceanic and Atmospheric Administration – National Integrated Drought Information Systems (NOAA NIDIS). 2024a. “Drought Basics”. Retrieved at: <https://www.drought.gov/what-is-drought/drought-basics>
165. National Oceanic and Atmospheric Administration – National Integrated Drought Information Systems (NOAA NIDIS). 2024b. “Monitoring Droughts”. Retrieved at: <https://www.drought.gov/what-is-drought/monitoring-drought>
166. National Oceanic and Atmospheric Administration – National Ocean Service (NOAA NOS). 2021. “What is a hurricane?”. Retrieved at: <https://oceanservice.noaa.gov/facts/hurricane.html>
167. National Oceanic and Atmospheric Administration – National Severe Storms Laboratory. (NOAA NSSL). 2024a. “Severe Weather 101 – Damaging Winds Basics”. Retrieved at: <https://www.nssl.noaa.gov/education/svrwx101/wind/>
168. National Oceanic and Atmospheric Administration – National Severe Storms Laboratory (NOAA NSSL). 2024b. “Severe Weather 101 – Floods”. Retrieved at: <https://www.nssl.noaa.gov/education/svrwx101/floods/>
169. National Oceanic and Atmospheric Administration – National Severe Storms Laboratory (NOAA NSSL). 2024c. “Severe Weather 101 – Frequently Asked Questions About Damaging Winds”. Retrieved at: <https://www.nssl.noaa.gov/education/svrwx101/wind/faq/>
170. National Oceanic and Atmospheric Administration – National Severe Storms Laboratory. (NOAA NSSL). 2024d. “Severe Weather 101 – Frequently Asked Questions About Tornadoes”. Retrieved at: <https://www.nssl.noaa.gov/education/svrwx101/tornadoes/faq/>
171. National Oceanic and Atmospheric Administration – National Severe Storms Laboratory. (NOAA NSSL). 2024e. “Severe Weather 101 – Tornado Basics”. Retrieved at: <https://www.nssl.noaa.gov/education/svrwx101/tornadoes/>
172. National Oceanic and Atmospheric Administration – National Severe Storms Laboratory. (NOAA NSSL). 2024f. “Severe Weather 101 – Types of Winter Weather”. Retrieved at: <https://www.nssl.noaa.gov/education/svrwx101/winter/types/>

173. National Oceanic and Atmospheric Administration – National Severe Storms Laboratory. (NOAA NSSL). 2024g. “Severe Weather 101 – Winter Weather Basics”. Retrieved at: <https://www.nssl.noaa.gov/education/svrwx101/winter/>
174. National Oceanic and Atmospheric Administration – National Weather Service (NOAA NWS). December 1996. “Service Assessment: Blizzard of ’96.” Retrieved at: <https://www.weather.gov/media/publications/assessments/bz-mrg.pdf>.
175. National Oceanic and Atmospheric Administration – National Weather Service (NOAA NWS). 1998. OHD/HL – Surveys/Flood96: Chapter 1. Retrieved at: https://www.weather.gov/owp/oh_hrl_surveys_flood96_FL96chp1
176. National Oceanic and Atmospheric Administration – National Weather Service. (NOAA NWS). 2019. “2018 in Context: Record Precipitation across Pennsylvania”. Retrieved at: <https://www.weather.gov/ctp/RecordPrecip2018>
177. National Oceanic and Atmospheric Administration – National Weather Service. (NOAA NWS). 2024a. “Flood Related Hazards”. Retrieved at: <https://www.weather.gov/safety/flood-hazards>
178. National Oceanic and Atmospheric Administration – National Weather Service (NOAA NWS). 2024b. “tornadoes FAQ”. Retrieved at: <https://www.weather.gov/lmk/tornadoesfaq#:~:text=With%20this%20said%2C%20the%20typical,tornadoes%20occasionally%20can%20be%20violent>.
179. National Oceanic and Atmospheric Administration – National Weather Service. (NOAA NWS). 2024c. “What is a Nor’easter?” Retrieved at: <https://www.weather.gov/safety/winter-noreaster>
180. National Oceanic and Atmospheric Administration (NOAA) – National Weather Service (NOAA NWS). 2024e. “Wind Threat Description”. Retrieved at: https://www.weather.gov/mlb/seasonal_wind_threat
181. National Oceanic and Atmospheric Administration – National Weather Service (NOAA, NWS). 2024f. “Winter Storms and Blizzards”. Retrieved at: <https://www.weather.gov/fgz/WinterStorms#:~:text=Blizzards%20are%20dangerous%20winter%20storms,blizzards%2C%20they%20are%20not%20required>.
182. National Oceanic and Atmospheric Administration – National Weather Service (NOAA NWS) State College, PA Weather Forecast Office. n.d. Definitions, Thresholds, Criteria for Warnings, Watches and Advisories. Retrieved at: <https://www.weather.gov/ctp/wwwCriteria#:~:text=Wind%20Advisory%3A%20sustained%20winds%2031,or%20greater%2C%20for%20any%20duration>.
183. National Oceanic and Atmospheric Association National Weather Service (NOAA NWS). 2025a. Heat Watch vs. Warning. Retrieved from: <https://www.weather.gov/safety/heat-ww>.
184. National Oceanic and Atmospheric Association National Weather Service (NOAA NWS). 2025b. Heat Index. Retrieved from: <https://www.weather.gov/safety/heat-index>
185. National Oceanic and Atmospheric Association National Weather Service (NOAA NWS). 2025c. Wind Chill Chart. Retrieved from: <https://www.weather.gov/safety/cold-wind-chill-chart>.

186. National Oceanic and Atmospheric Administration – United States Department of Commerce (NOAA DOC). 1993. “The big one! A review of the March 12-14, 1993, “Storm of the Century””. Retrieved at: <https://repository.library.noaa.gov/view/noaa/13837>
187. National Oceanic and Atmospheric Administration – United States Department of Commerce (NOAA DOC). 2023. “Wildfire Climate Connection”. Retrieved at: <https://www.noaa.gov/noaa-wildfire/wildfire-climate-connection>
188. National Oceanic and Atmospheric Administration – United States Department of Commerce (NOAA DOC). July 16, 2024. “Tornadoes”. Retrieved at: <https://www.noaa.gov/education/resource-collections/weather-atmosphere/tornadoes>
189. New York Times. 1993. “14-Year Cleanup at Three Mile Island Concludes”. *New York Times*. Retrieved at: <https://www.nytimes.com/1993/08/15/us/14-year-cleanup-at-threemile-island-concludes.html>
190. Nuclear Energy Institute. 2012. “Development of Emergency Action Levels for Non-Passive Reactors”. Retrieved at: <https://www.nrc.gov/docs/ML1232/ML12326A805.pdf>
191. OpendataPA. Commonwealth of Pennsylvania. 2024. “Cumulative Influenza and RSV Case Counts by County”. Retrieved at: https://data.pa.gov/Health/Cumulative-Influenza-and-RSV-Case-Counts-by-County/mrpb-ugjv/about_data
192. Pann, Mary Ellen. “Tornadoes: How they form and how common they are in south-central Pennsylvania”. *WGAL8*. Retrieved at: <https://www.wgal.com/article/tornadoes-how-they-form-and-how-common-they-are-in-south-central-pennsylvania/43922870>
193. PennState Extension. February 28, 2023. “Common Ticks and Tick-borne Diseases in Pennsylvania”. Retrieved at: <https://extension.psu.edu/common-ticks-and-tick-borne-diseases-in-pennsylvania>
194. Pennsylvania Department of Community and Economic Development (PA DCED). 2025. “Municipal Statistics”. Retrieved at: https://apps.dced.pa.gov/munstats-public/ReportInformation2.aspx?report=LocalOfficial_Excel
195. Pennsylvania Department of Conservation and Natural Resources (PA DCNR). 2003. *Earthquake Hazard in Pennsylvania*. Retrieved at: https://elibrary.dcnr.pa.gov/GetDocument?docId=1752494&DocName=ES10_EQHazard_Pa.pdf.
196. Pennsylvania Department of Conservation and Natural Resources (PA DCNR). June 2018. *Climate Change Adaptation and Mitigation Plan*. Retrieved at: file:///C:/Users/victoria.petrillo/Downloads/Climate_Change_Adaptation_Plan_Final_Aug2018.pdf
197. Pennsylvania Department of Conservation and Natural Resources (PA DCNR). 2024a. Pennsylvania GEOlogic Data Exploration (PaGEODE). Retrieved at: <https://www.gis.dcnr.state.pa.us/pageode/>
198. Pennsylvania Department of Conservation and Natural Resources (PA DCNR). 2024b. “Wildfire”. Retrieved at: <https://www.dcnr.pa.gov/Communities/Wildfire/Pages/default.aspx>.
199. Pennsylvania Department of Environmental Protection (PA DEP). November 2018. “Drought Management in Pennsylvania.” Retrieved at: <http://www.depgreenport.state.pa.us/elibrary/GetDocument?docId=60995&DocName=DROUGHT%20MANAGEMENT%20IN%20PENNSYLVANIA.PDF%20%20%3Cspan%20style%3D%22color%3Agree>

[en%3B%22%3E%3C%2Fspan%3E%20%3Cspan%20style%3D%22color%3Ablue%3B%22%3E%3C%2Fspan%3E%2011%2F9%2F2020](#)

200. Pennsylvania Department of Environmental Protection (PA DEP). 2014. "Three Mile Island (TMI) Lessons Learned: Better Protection for the Public and the Environment". Retrieved at: [https://www.dep.pa.gov/Business/RadiationProtection/NuclearSafety/Documents/2930-FS-Department of Environmental Protection \(DEP\)3129.pdf?](https://www.dep.pa.gov/Business/RadiationProtection/NuclearSafety/Documents/2930-FS-Department%20of%20Environmental%20Protection%20(DEP)3129.pdf)
201. Pennsylvania Department of Environmental Protection (PA DEP). 2021a. *Climate Change in PA*. Retrieved at: <https://gis.dep.pa.gov/ClimateChange/index.html>
202. Pennsylvania Department of Environmental Protection (PA DEP). 2021b. *Pennsylvania Climate Impacts Assessment 2021*. Retrieved at: <https://www.dep.pa.gov/Citizens/climate/Pages/impacts.aspx>
203. Pennsylvania Department of Environmental Protection (PA DEP). 2024a. "Drought Status Map History". Retrieved at: <https://www.dep.pa.gov/Business/Water/PlanningConservation/Drought/Pages/Drought-Reports-and-News.aspx>
204. Pennsylvania Department of Environmental Protection (PA DEP). 2024b. "West Nile Virus Control Program". Retrieved at: <https://www.dep.pa.gov/Business/ProgramIntegration/Vector-Management/Mosquitoes/Pages/default.aspx>
205. Pennsylvania Department of Environmental Protection (PA DEP). 2024c. "What causes a sinkhole?". Retrieved at: <https://www.dep.pa.gov/Citizens/My-Water/Sinkholes/Pages/What-causes-a-sinkhole.aspx>
206. Pennsylvania Department of Health (PA DOH). 2005. *Influenza Pandemic Response Plan: Framework, Methodology, and Recommendations for Pandemic Preparedness*. Retrieved at: <http://www.portal.state.pa.us/portal/server.pt?open=514&objID=558018&mode=2>.
207. Pennsylvania Department of Health (PA DOH). 2023. "COVID-19 in Pennsylvania". Retrieved at: <https://www.health.pa.gov/topics/disease/coronavirus/Pages/Coronavirus.aspx>.
208. Pennsylvania Department of Health (PA DOH). 2023. "Influenza Surveillance Data Archive". Retrieved at: <https://www.health.pa.gov/topics/Documents/Diseases%20and%20Conditions/Flu/Influenza%20Season%20Report%202022-23.pdf>
209. Pennsylvania Department of Transportation. (PennDOT). 2019. "Extreme Weather Vulnerability Study". Retrieved at: <https://storymaps.arcgis.com/stories/4bac89e0b93f4eb8a85166ea0906d2c5>
210. Pennsylvania Department of Transportation (PennDOT). 2022. "Pennsylvania Strategic Highway Safety Plan". Retrieved at: <https://www.penndot.pa.gov/TravelInPA/Safety/Pages/Strategic-Highway-Safety-Plan.aspx>
211. Pennsylvania Department of Transportation (PennDOT). 2023. "2023 Pennsylvania Crash Facts & Statistics". Retrieved at: <https://www.penndot.pa.gov/TravelInPA/Safety/pages/crash-facts-and-statistics.aspx>

212. Pennsylvania Department of Transportation (PennDOT). 2024a. "Act 130 and Current Laws". Retrieved at: [general summary document](#).
213. Pennsylvania Department of Transportation (PennDOT). 2024b. "Automated Vehicles". Retrieved at: [https://www.penndot.pa.gov/ProjectAndPrograms/ResearchandTesting/Autonomous%20 Vehicles/Pages/Automated%20Vehicle.aspx](https://www.penndot.pa.gov/ProjectAndPrograms/ResearchandTesting/Autonomous%20Vehicles/Pages/Automated%20Vehicle.aspx)
214. Pennsylvania Department of Transportation (PennDOT). 2024c. "Crash Map". Retrieved at: <https://pennshare.maps.arcgis.com/apps/webappviewer/index.html?id=8fdbf046e36e41649bbfd9d7dd7c7e7e>
215. Pennsylvania Emergency Management Agency (PEMA). Hazard Mitigation Planning Made Easy!
216. Pennsylvania Emergency Management Agency (PEMA). March 6, 2009. Mitigation Ideas: Potential Mitigation Measures by Hazard Type – A Mitigation Planning Tool for Communities.
217. Pennsylvania Emergency Management Agency (PEMA). November 10, 2009. Savings to the Fund – 2009. Personal communication with Steve Boyer, PLS.
218. Pennsylvania Emergency Management Agency (PEMA). 2011. Pennsylvania's Hazardous Material Emergency Planning and Response Act 1990-165: 2011 Annual Report. Retrieved at: http://www.dli.state.pa.us/portal/server.pt?parentname=SearchResult&space=SearchResult&in_tx_query=Hazardous+Material+Emergency+Planning+and+Response+Act+Annual+Report+2011&parentid=11&in_hi_userid=2&control=bannerstart&cached=false.
219. Pennsylvania Emergency Management Agency (PEMA). 2014. Governor's Proclamations. Retrieved at: http://www.portal.state.pa.us/portal/server.pt/community/governors_proclamations/4725.
220. Pennsylvania Emergency Management Agency (PEMA). October 2020. Pennsylvania's Hazard Mitigation Plan Standard Operating Guide.
221. Pennsylvania Emergency Management Agency (PEMA). August 28, 2023. Commonwealth of Pennsylvania 2023 Hazard Mitigation Plan.
222. Pennsylvania Emergency Management Agency – Knowledge Center (PEMA-KC). 2023. Number of Hazardous Materials Incidents by County, 2018 - April 2023.
223. Pennsylvania General Assembly. N.d. Title 18 § 2706 Terroristic Threats. Retrieved at: <https://www.legis.state.pa.us/cfdocs/legis/LI/consCheck.cfm?txtType=HTM&ttl=18&div=0&chpt=27&scn=6&subscn=0>
224. Pennsylvania Public Utility Commission (PA PUC). 2019. "PUC Issues Report on Electric Outages related to 2018 Winter Storms Riley and Quinn". Retrieved at: <https://www.puc.pa.gov/press-release/2019/puc-issues-report-on-electric-outages-related-to-2018-winter-storms-riley-and-quinn>
225. Pennsylvania Public Utility Commission (PA PUC). 2022. "Severe Weather Drives Record High Number of Power Outage Events in Pennsylvania According to New PUC Report". Retrieved at: <https://www.puc.pa.gov/pressrelease/2022/severe-weather-drives-record-high-number-of-power-outageevents-in-pennsylvania-according-to-new-puc-report>

226. Pennsylvania State Council of the American Society of Civil Engineers (ASCE). 2018. "2018 Pennsylvania Infrastructure Report Card". Retrieved at: <https://infrastructurereportcard.org/state-item/pennsylvania/>
227. Pennsylvania State Council of the American Society of Civil Engineers (ASCE). 2022. "The Report Card for Pennsylvania's Infrastructure 2022". Retrieved at: <https://infrastructurereportcard.org/state-item/pennsylvania/>
228. Person, Elise. April 5, 2024. "How often will Central PA residents be feeling earthquakes?" *Local 21 News*. Retrieved at: <https://local21news.com/news/local/how-often-will-central-pa-residents-be-feeling-earthquakes>
229. Pipeline and Hazardous Materials Safety Administration (PHMSA). 2024. "Incidents by State". Retrieved at: <https://portal.phmsa.dot.gov/analytics/saw.dll?PortalPages>
230. Polk, Christian. January 22, 2024. "Climate Resilience in Carlisle and Cumberland County: Infrastructure, Utilities, and Services". *Dickinson College*. Retrieved at: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.dickinson.edu/download/downloads/id/15224/climate_resilience_infrastructure.pdf
231. Popalis, Evan, Bonatesta, Lara, & Raub, Justin. March 11, 2024. "Man dies after tree falls onto Cumberland County home overnight". *Abc27 News*. Retrieved at: <https://www.abc27.com/local-news/man-dies-after-tree-falls-onto-cumberland-county-home-overnight/>
232. President's Commission on the Accident of Three Mile Island. 1979. "The Report of The President's Commission on the Accident at Three Mile Island, The Need for Change: The Legacy of TMI". Pergamon Press. Retrieved at: <http://large.stanford.edu/courses/2012/ph241/tran1/docs/188.pdf>
233. Ritchey, Allyson. April 28, 2024. "Cumberland Drive closed due to sinkhole". *The Slate*. Retrieved at: <https://www.theslateonline.com/article/2024/04/cumberland-drive-closed-due-to-sinkhole>
234. Ritchey, Allyson, & Beam, Adam. May 2, 2024. "Dickinson College students set up encampment to protest war in Gaza". *The Slate*. Retrieved at: <https://www.theslateonline.com/article/2024/05/dickinson-college-students-set-up-encampment-to-protest-war-in-gaza>
235. Root, S.L. 1978. *Atlas 138ab - Geologic Map of the Carlisle and Mechanicsburg Quadrangles, Cumberland County*. Pennsylvania Department of Environmental Protection.
236. Rume, T., & Didar-UI Islam, S.M. 2020. "Environmental effects of COVID-19 pandemic and potential strategies of sustainability". *National Library of Medicine. National Center for Biotechnology Information*. Retrieved at: <https://doi.org/10.1016%2Fj.heliyon.2020.e04965>.
237. Russakoff, D. 1994. "Salt-Short East Braces for Skid" *The Washington Post*. Retrieved at: <https://www.washingtonpost.com/archive/politics/1994/01/28/salt-short-east-bracesfor-skid/85cf1946-cb4e-4d7d-94eb-210214e1a113/>
238. Ryan-Burkett, S. 2014. "Wildfire impacts on stream sedimentation." *Forest Service*. Retrieved at: <https://www.fs.usda.gov/rmrs/documents-and-media/wildfire-impacts-streamsedimentation>

239. Saunders-Hastings, P.R., & Krewski, D. 2016. Reviewing the History of Pandemic Influenza: Understanding Patterns of Emergency and Transmission. Retrieved at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5198166/>
240. Schwigert, Keith. February 26, 2024. "Crash involving tractor trailer and train causes detours in Carlisle". *Fox43*. Retrieved at: <https://www.fox43.com/article/news/local/carlisle-borough-police-cumberland-county-tractor-trailer-train-crash/521-7b7f1f25-c609-48d0-a804-8eb55f38e2ce>
241. Shortle, J., Abler, D., Blumsack, S., Britson, A., Fang, K., Kemanian, A., Knight, P., McDill, M., Najjar, R., Nassry, M., Ready, R., Ross, A., Rydzik, M., Shen, C., Wang, S., Wardrop, D., Yetter, S. 2015. "Pennsylvania Climate Impact Assessment Update." Environment and Natural Resources Institute, The Pennsylvania State University. Report to Pennsylvania Department of Environmental Protection.
242. Simmers, Sean. September 1, 2021. "Rain drenches Pa. from tropical depression Ida". *PennLive*. Retrieved at: <https://www.pennlive.com/galleries/UK7RI5Z63FBW5D36KCTLFHLXH4/>
243. Simmers, Sean. February 3, 2023. "Hotel fire in Upper Allen Township". *PennLive*. Retrieved at: <https://www.pennlive.com/galleries/XM5QT6QJ7VE6XKQLVS5UQTWKQM/>
244. Simmers, Sean. August 10, 2024. "Thousands in Cumberland County pick up free water bottles during boil water advisory". *PennLive*. Retrieved at: <https://www.pennlive.com/galleries/Y7AXDPNNWZASRA7QM335XJMTRM/>
245. Spatial Hazard Events and Losses Database for the United States. 2024. "SHELDUS". *Arizona State University*. Retrieved at: <https://cemhs.asu.edu/sheldus>
246. Špitalar, M., Gourley, J.J., Lutoff, C., Kirstetter, P-E., Brilly, M., Carr, N. November 2014. "Analysis of flash flood parameters and human impacts in the US from 2006 to 2012". *Journal of Hydrology*. Volume 519, Part A, Pages 863-870, ISSN 0022-1694. Retrieved at: <https://www.sciencedirect.com/science/article/pii/S0022169414005216>
247. Stockburger, George. April 15, 2024. "Cumberland County Prison cleared after bomb threat". *Abc27*. Retrieved at: <https://www.abc27.com/local-news/cumberland-county-prison-cleared-after-bomb-threat/>
248. Stover, Robert. January 7, 2024. "PennDOT officials continue to monitor road conditions after weekend snowstorm". *Fox43*. Retrieved at: <https://www.fox43.com/article/news/local/traffic-experts-address-winter-weather-challenges-roads-traffic-highways-penn-dot-snow-storm/521-09c41c9a-6c7f-4553-ad55-e568bca911b6>
249. Taber, E. D., Hutchinson, M. L., Smithwick, E. A. H., & Blanford, J. I. 2017. "A decade of colonization: the spread of the Asian tiger mosquito in Pennsylvania and implications for disease risk". *Journal of vector ecology : journal of the Society for Vector Ecology*, 42(1), 3–12. Retrieved at: <https://doi.org/10.1111/jvec.12234>
250. The Keystone. January 4, 2024. "Snow daze: Remembering the 5 biggest blizzards to hit Pennsylvania in recent history". Retrieved at: <https://keystonenewsroom.com/2024/01/04/the-5-biggest-blizzards-to-hit-pennsylvania-in-recent-history/#:~:text=For%20three%20days%20in%20March,than%2013%20inches%20in%20Philadelphia.>

251. The Sentinel. 2015. Photograph. Retrieved at: https://cumberlink.com/news/local/cumberland-county-prepped-for-any-hazmat-issue/article_ad956186-41e8-11e5-8dc1-5b8a8b32aa8a.html
252. The Sentinel. 2018. Photograph. Retrieved at: https://cumberlink.com/news/local/walls-of-water-in-newville-as-midstate-recovers-from-five-days-of-torrential-rains/article_0a63d2c6-cc7f-55ab-9e9f-d7d6806d0a9e.html
253. The Sentinel. 2019. Photograph. Retrieved at: https://cumberlink.com/news/local/year-in-review-central-pa-s-erratic-weather-set-records-in-2011/article_7c513114-343f-11e1-b3bb-0019bb2963f4.html
254. The Sentinel. 2020. Photograph. Retrieved at: https://cumberlink.com/news/local/beyond-the-protests-taking-advocacy-in-the-carlisle-area-beyond-slogans-and-signs/article_1efbd8d8-c344-53ef-8ba9-2d561f4c536e.html
255. The Weather Channel. 2015. "Flood and Flash Flood Facts". Retrieved at: <https://weather.com/safety/floods/news/flood-safety-20120423>
256. The Weather Channel. February 15, 2024. "Winter Storm Lorraine Now Departing After Dropping A Foot of Snow On Parts Of The Northeast". Retrieved at: <https://weather.com/storms/winter/news/2024-02-12-winter-storm-lorraine-noreaster-snowstorm-new-york-boston>
257. The Weather Channel. May 4, 2024. "The Enhanced Fujita Scale: A Tornado Rating System". Retrieved at: <https://weather.com/storms/tornado/news/2024-05-03-enhanced-fujita-scale-tornado-explained>
258. Thompson, Ian. April 28, 2024. "Cumberland Drive closed due to sinkhole". *The Slate*. Retrieved at: <https://www.theslateonline.com/article/2024/04/cumberland-drive-closed-due-to-sinkhole>
259. Tilly, L. A. 1971. "The Food Riot as a Form of Political Conflict in France". *Journal of Interdisciplinary History* (2): 23–57. Retrieved at: <https://www.jstor.org/stable/202442>
260. Treisman, R. 2021. "The exact link between tornadoes and climate change is hard to draw. Here's why." *NPR*. Retrieved at: <https://www.npr.org/2021/12/13/1063676832/the-exact-link-between-tornadoes-andclimate-change-is-hard-to-draw-heres-why>
261. Truchelut, R.E., Klotzbach, P.J., Staehling, E.M. et al. 2022. "Earlier onset of North Atlantic hurricane season with warming oceans". *Nat Commun* 13, 4646. <https://doi.org/10.1038/s41467-022-31821-3>
262. United States Census Bureau (U.S. Census Bureau). 2020. "FAQs". Retrieved at: <https://www.census.gov/programs-surveys/mhs/about/faq.html>.
263. United States Census Bureau, 2020. "Pennsylvania: 2020 Census". Retrieved at: <https://www.census.gov/library/stories/state-by-state/pennsylvania-population-change-between-census-decade.html>
264. United States Census Bureau. 2022. "Industry for the Civilian Employed Population 16 Years and Over". Retrieved at: https://data.census.gov/profile/Cumberland_County_Pennsylvania?q=050XX00US42041

265. United States Census Bureau. 2023. "Annual Estimates of the Resident Population for Counties: April 1, 2020, to July 1, 2023". Retried at: <https://www.census.gov/data/datasets/time-series/demo/popest/2020s-counties-total.html>
266. United States Census Bureau (U.S. Census Bureau). 2019-2023 American Community Survey 5-Year Estimates. Retrieved at: <https://data.census.gov/cedsci/>.
267. United States Census Bureau. 2024. "QuickFacts – Cumberland County, Pennsylvania". Retrieved at: <https://www.census.gov/quickfacts/fact/table/cumberlandcountypennsylvania/AGE295223#AGE295223>
268. United States Department of Agriculture (USDA). 2022. "2022 Census of Agriculture – County Data". Retrieved at: https://www.nass.usda.gov/Publications/AgCensus/2022/Online_Resources/County_Profiles/Pennsylvania/
269. United States Department of Agriculture – Forest Service. 2022. "Wildfire Crisis Strategy". Retrieved at: <https://www.fs.usda.gov/sites/default/files/Confronting-Wildfire-Crisis.pdf>
270. United States Department of Agriculture – Forest Service. 2023. "Wildfire Hazard Potential". Retrieved at: <https://www.firelab.org/project/wildfire-hazard-potential>
271. United States Department of Energy. DOE. Pennsylvania Department of Environmental Protection. PADEP. 2022. "Making Pennsylvania's Electric Grid Stronger during Extreme Weather Events". Retrieved at: https://files.dep.state.pa.us/energy/officeofpollutionprevention/ijja/dep_presentation_epo_ijja_-_bil_40101d.pptx_public_meeting_for_posting.pdf
272. United States Department of Health and Human Services (USDHHS). 2017. "Pandemic Influenza Plan, 2017 Update". Retrieved at: <https://www.cdc.gov/flu/pandemicresources/pdf/pan-flu-report-2017v2.pdf>.
273. United States Department of Homeland Security (USDHS). 2022. Pandemics. Retrieved at: <https://www.ready.gov/pandemic>.
274. United States Environmental Protection Agency (EPA). 2022a. Climate Change Indicators: Heat Waves. Retrieved at: <https://www.epa.gov/climate-indicators/climate-changeindicators-heat-waves>.
275. United States Environmental Protection Agency (EPA). 2022b. Climate Change Indicators: High and Low Temperatures. Retrieved at: <https://www.epa.gov/climate-indicators/climatechange-indicators-high-and-low-temperatures>
276. United States Environmental Protection Agency (EPA). 2022c. "Climate Change Impacts on Transportation". Retrieved at: https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-transportation_.html
277. United States Environmental Protection Agency (EPA). May 8, 2024a. "Stormwater Discharges from Municipal Sources". Retrieved at: <https://www.epa.gov/npdes/stormwater-discharges-municipal-sources>
278. United States Environmental Protection Agency (EPA). May 21, 2024b. "Radiation Health Effects". Retrieved at: <https://www.epa.gov/radiation/radiation-health-effects>

279. United States Environmental Protection Agency (EPA). June 4, 2024c. "Climate Change Impacts on Agriculture and Food Supply". Retrieved at: <https://www.epa.gov/climateimpacts/climate-change-impacts-agriculture-and-food-supply#:~:text=Heavy%20rainfalls%20can%20lead%20to,threat%20to%20sustainable%20crop%20production>
280. United States Environmental Protection Agency (EPA). June 27, 2024d. "Climate Change Indicators: Lyme Disease". Retrieved at: <https://www.epa.gov/climate-indicators/climate-change-indicators-lyme-disease>
281. United States Environmental Protection Agency (EPA). July 24, 2024e. "Climate Change Indicators: Wildfires". Retrieved at: <https://www.epa.gov/climate-indicators/climate-change-indicators-wildfires#ref6>
282. United States Fire Administration. April 25, 2024a. "Pennsylvania Fire Loss and Fire Department Profile". Retrieved at: [Pennsylvania fire loss and fire department profile \(fema.gov\)](https://www.fema.gov/pennsylvania-fire-loss-and-fire-department-profile)
283. United States Fire Administration. May 15, 2024b. "Nonresidential Fire Estimate Summaries (2013-2022)". Retrieved at: <https://www.usfa.fema.gov/statistics/nonresidential-fires/>
284. United States Fire Administration. May 15, 2024c. "Residential Fire Estimate Summaries (2013-2022)". Retrieved at: <https://www.usfa.fema.gov/statistics/residential-fires/>
285. United States Fire Administration. May 15, 2024d. "Residential Building Fire Causes (2013-2022)". Retrieved at: <https://www.usfa.fema.gov/statistics/residential-fires/causes.html>
286. United States Geological Survey (USGS). April 10, 1996. "Statewide Floods in Pennsylvania, January 1996". Retrieved at: http://water.usgs.gov/wid/FS_103-96/FS_103-96.html
287. United States Geological Survey (USGS). 2024. "What is the difference between a sinkhole and land subsidence?" Retrieved at: <https://www.usgs.gov/faqs/what-difference-between-a-sinkhole-and-land-subsidence#:~:text=Land%20subsidence%20is%20a%20gradual,%2C%20sinkholes%2C%20and%20thawing%20permafrost>
288. United States Global Change Research Program (US GCRP). 2018. Fourth National Climate Assessment. Retrieved at: <https://nca2018.globalchange.gov/>
289. University of Minnesota Twin Cities (UMN). 2010. "Types of Collective Behavior". Retrieved at: <https://open.lib.umn.edu/sociology/chapter/21-1-types-of-collective-behavior/>
290. United States Nuclear Regulatory Commission (USNRC). July 7, 2020. "Probabilistic Risk Assessment (PRA)". Retrieved at: <https://www.nrc.gov/about-nrc/regulatory/risk-informed/pra.html>
291. United States Nuclear Regulatory Commission (USNRC). March 24, 2021a. "Appendix A to Part 50 – General Design Criteria for Nuclear Power Plant". Retrieved at: <https://www.nrc.gov/reading-rm/doc-collections/cfr/part050/part050-appa.html>
292. United States Nuclear Regulatory Commission (USNRC). March 29, 2021b. "Emergency Classification". Retrieved at: <https://www.nrc.gov/about-nrc/emerg-preparedness/about-emerg-preparedness/emerg-classification.html>

293. United States Nuclear Regulatory Commission (USNRC). February 10, 2022. "Emergency Action Level Development". Retrieved at: <https://www.nrc.gov/about-nrc/emerg-preparedness/about-emerg-preparedness/emerg-action-level-dev.html>
294. United States Nuclear Regulatory Commission (USNRC). March 28, 2024a. "Backgrounder on the Three Mile Island Accident". Retrieved from: <https://www.nrc.gov/reading-rm/doc-collections/fact-sheets/3mile-isle.html>
295. United States Nuclear Regulatory Commission (USNRC). August 28, 2024b. "Emergency Planning Zones". Retrieved at: <https://www.nrc.gov/about-nrc/emerg-preparedness/about-emerg-preparedness/planning-zones.html>
296. USAFacts. 2024. "Pennsylvania Coronavirus Cases and Deaths". Retrieved at: <https://usafacts.org/visualizations/coronavirus-covid-19-spread-map/state/pennsylvania/>
297. Van Seventer, J.M., Hochberg, N.S. "Principles of Infectious Diseases: Transmission, Diagnosis, Prevention, and Control". *International Encyclopedia of Public Health*. 2017:22–39. doi: 10.1016/B978-0-12-803678-5.00516-6. Epub 2016 Oct 24. PMID: PMC7150340
298. Veronikis, E. February 9, 2016. "Counselors, Nurses Available to CV Students after Bus Crash that Killed Woman". *PennLive*. Retrieved at: https://www.pennlive.com/news/2016/02/counselors_nurses_available_to.html
299. Vigna, Paul. August 11, 2024. "Water company expects all issues in Cumberland County to be resolved by the end of Sunday". *Pennlive*. Retrieved at: <https://www.pennlive.com/news/2024/08/water-company-expects-all-issues-in-cumberland-county-to-be-resolved-by-the-end-of-sunday.html>
300. Vose, R.S., D.R. Easterling, K.E. Kunkel, A.N. LeGrande, and M.F. Wehner, 2017: "Temperature changes in the United States." In: Climate Science Special Report: Fourth National Climate Assessment, Volume I [Wuebbles, D.J., D.W. Fahey, K.A. Hibbard, D.J. Dokken, B.C. Stewart, and T.K. Maycock (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, pp. 185-206, doi: 10.7930/J0N29V45.
301. Wehner, M.F., J.R. Arnold, T. Knutson, K.E. Kunkel, and A.N. LeGrande. 2017. "Droughts, floods, and wildfires". In: Climate Science Special Report: Fourth National Climate Assessment, Volume I [Wuebbles, D.J., D.W. Fahey, K.A. Hibbard, D.J. Dokken, B.C. Stewart, and T.K. Maycock (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, pp. 231-256 doi: 10.7930/J0CJ8BNN
302. Wellenius G.A., Eliot M.N., Bush K.F., Holt D., Lincoln R.A., Smith A.E., Gold J. 2017. "Heat-related morbidity and mortality in New England: Evidence for local policy". *Environ Res*. 156:845-853. doi: 10.1016/j.envres.2017.02.005.
303. Wise, Jenna. September 18, 2023a. "Bomb threat leads to evacuation of Cumberland County mall: police". *PennLive*. Retrieved at: <https://www.pennlive.com/news/2023/02/25-people-displaced-by-fire-that-destroyed-cumberland-county-motel.html>
304. Wise, Jenna. February 6, 2023b. "25 people displaced by fire that destroyed Cumberland County motel". *PennLive*. Retrieved at: <https://www.pennlive.com/news/2023/02/25-people-displaced-by-fire-that-destroyed-cumberland-county-motel.html>

305. Wise, Jenna. August 13, 2024. "Boil water advisory lifted in Cumberland County days after water main break". *PennLive*. Retrieved at: <https://www.pennlive.com/news/2024/08/boil-water-advisory-lifted-in-cumberland-county-days-after-water-main-break.html>
306. Wolfe, D.W., DeGaetano, A.T., Peck, G.M. et al. 2017. "Unique challenges and opportunities for northeastern US crop production in a changing climate". *Climatic Change*. Retrieved at: <https://doi.org/10.1007/s10584-017-2109-7>
307. World Health Organization (WHO). December 8, 2022. "Zika Virus". Retrieved at: <https://www.who.int/news-room/fact-sheets/detail/zika-virus#:~:text=virus%20and%20complications-,Transmission,and%20possibly%20through%20organ%20transplantation.>
308. World Health Organization (WHO) 2024. "WHO Covid-19 Dashboard". Retrieved at: <https://data.who.int/dashboards/covid19/deaths>
309. World Meteorological Organization (WMO), Associated Programme on Flood Management. 2006. *Environmental Aspects of Integrated Flood Management*. Retrieved at: https://www.floodmanagement.info/publications/policy/ifm_env_aspects/Environmental_Aspects_of_IFM_En.pdf
310. Yench, Andy. August 24, 2022. "What are Stormwater Pollutants?" *PennState Extension*. Retrieved at: <https://extension.psu.edu/what-are-stormwater-pollutants>
311. Zarzycki, C.M. 2018. "Projecting changes in societally impactful Northeastern U.S. snowstorms". *Geophysical Research Letters* 45, 12,067-012,075.