

RESOURCES MAY 2021

Denominational

- 1) General PCUSA policy on sustainable living and earth care:
<https://www.presbyterianmission.org/ministries/environment/>
- 2) Environmental racism and justice:
<https://www.presbyterianmission.org/ministries/environment/environmental-issues/environmental-racism-justice/>
- 3) PCUSA general policy statement history, which shows awareness and concern for the environment over the last several decades:
https://www.pcusa.org/site_media/media/uploads/washington/pdfs/policybrief.pdf

Christianity and Climate Change

- 1) *Hospitable Planet: Faith, Action and Climate Change* (2016) by Stephen A. Jurovics
- 2) *Climate Church, Climate World: how People of Faith Must Work For Change* (2018) by Jim Antal
- 3) *Christianity in a Time of Climate Change* (2020) by Kristen Poole
- 4) *Resisting Structural Evil: Love as Ecological-Economic Vocation* (2013) by Cynthia D. Moe-Lobeda

Background Scientific Information

- 1) Clear summary of current data that will convince you that climate change is real and that it is human caused. Talk given by Dr. Jeff Reimer, this is a great resource; you can point skeptics (of any kind) to this talk, including the Q&A, it is presented from both a scientific and Christian perspective. "Our Changing Atmosphere: Evidences that Demand a Verdict?"
<https://www.youtube.com/watch?v=e67rLME0fH0>
- 2) What are some greenhouse gases other than CO₂?
<https://www.epa.gov/ghgemissions/overview-greenhouse-gases>
- 3) Does composting produce methane in the same way that food decomposition in landfill does? See
<https://www.moonshotcompost.com/does-composting-produce-methane-gas-greenhouse-gases/#:~:text=Yes%2C%20composting%20does%20create%20methane,to%20a%20minimum%20while%20composting.>

Climate Justice

- 1) The human cost of climate change and what our response as Christians should be. Talk given by Dr. Ruth Padilla DeBorst. "Fleeing the Hot Spots: Climate Change Migration and Mission"
<https://www.youtube.com/watch?v=07EwAwoq7TE>

Human's Connection to Other Parts of Nature

- 1) If you think invertebrates are unintelligent sacks of gut and gonad, this documentary (which won the 2021 Oscar for best documentary) will change your mind: *My Octopus Teacher* <https://www.netflix.com/title/81045007>

Things That Give Us Rational Hope—and a course of action to realize the changes we need

- 1) Christian and Atmospheric Scientist professor, Katharine Hayhoe, says: *The most important thing you can do to fight climate change is talk about it* (2018): <https://www.youtube.com/watch?v=-BvcToPZCLI>
- 2) Technological advances can help avoid a climate disaster, and we as individuals must hold our government, our employers and ourselves accountable (2021): *How To Avoid A Climate Disaster* by Bill Gates. Also, 30' Interview on the book with *Rolling Stone* <https://www.youtube.com/watch?v=laar9wKtHQE>
- 3) Effectively an uplifting how-to manual on activism by the Christian, civil rights activist (who marched side by side with Rev. Dr. Martin Luther King, Jr.), and member of congress (2017): *Across that Bridge: A Vision for Change and the Future of America* by John Lewis
- 4) Technology can't recreate an extinct species, we all must do our part, including on our own private property, to provide native habitat □ maintenance of ecosystems/biodiversity (2019). *Nature's Best Hope: A New Approach to Conservation That Starts in Your Yard* by Douglas W. Tallamy

Biodiversity Loss

- 1) There is a devastating loss in insect populations, an "insect apocalypse"
<https://www.theguardian.com/environment/2019/nov/13/insect-apocalypse-poses-risk-to-all-life-on-earth-conservationists-warn>
i.e. a vast reduction in the overall numbers of insects (causes are likely pesticide use and habitat loss), that, in turn, is resulting in a reduction of species that depend on them for food (e.g. birds whose overall populations in North America have been reduced by 1/3 over the past 50 years
<https://www.npr.org/2019/09/19/762090471/north-america-has-lost-3-billion-birds-scie>

[ntists-say#:~:text=North%20America%20Has%20Lost%203%20Billion%20Birds%2C%20Scientists%20Say,-Listen%2B7%202%3A52&text=Jacqueline%20Larma%2FAP-,Migrating%20shorebirds%20at%20Kimble%20Beach%2C%20N.J.%20Researchers%20estimate%20that%20the,than%20a%20third%20since%201970. \)](#)

Historical Human Impacts on Sustainable Living

- 1) *An Indigenous Peoples' History of the United States* (2015) by Roxanne Dunbar-Ortiz

Technology Information

- 1) Technology is part of the solution, but some not all is desirable and may have unintended consequences (2021). *Under a White Sky: The Nature of the Future* by Elizabeth Kolbert
- 2) Ever hear of *renewable* natural gas (AKA biogas)?
<https://ifsolutions.com/what-is-renewable-natural-gas-rng-benefits/>
- 3) Update on carbon fiber from coal. It still seems to be early stage, but promising. (BTW, wind turbines are often made from carbon fiber, though given structural demands maybe not feasible from a coal source.)
 - a. <https://industrytoday.com/turning-coal-into-carbon-fiber/>
 - b. <https://blogs.3ds.com/northamerica/tech-trends-carbon-fiber-composites-derived-from-coal/>