

**Date and Time:** Tuesday, April 12, 2022 4:39:00 PM EDT

**Job Number:** 168830072

**Documents (100)**

1. [*IPCC says it's not too late to avoid climate catastrophe*](https://advance.lexis.com/api/document?id=urn:contentItem:6555-K8N1-JCMN-Y1D9-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

**Narrowed by:**

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

2. [*IPCC Adaptation Report: It's Later Than You Think*](https://advance.lexis.com/api/document?id=urn:contentItem:655V-VPR1-JCMN-Y28F-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

3. [*PRESS RELEASE: Heartland Institute Climate Experts React to Latest UN IPCC Report*](https://advance.lexis.com/api/document?id=urn:contentItem:655T-J6J1-JCMN-Y37H-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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4. [*'Now or never' to keep within 1.5C, reports IPCC*](https://advance.lexis.com/api/document?id=urn:contentItem:655P-9N81-JCMN-Y260-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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5. [*ExxonMobil Announces $10 Billion Oil Investment the Same Day IPCC Signals End for Fossil Fuels*](https://advance.lexis.com/api/document?id=urn:contentItem:655G-89N1-F03R-N1K4-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

6. [*How is Nuclear a Solution to the IPCC's Latest Findings? ...*](https://advance.lexis.com/api/document?id=urn:contentItem:6561-GD31-F03R-N416-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

7. [*Narrow path to avoid catastrophic climate change: IPCC*](https://advance.lexis.com/api/document?id=urn:contentItem:6556-XJ61-F03R-N0KF-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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8. [*IPCC report calls for 'immediate and deep' carbon cuts to slow climate change*](https://advance.lexis.com/api/document?id=urn:contentItem:6556-XJ61-F03R-N12J-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

9. [*One Last #Climate Warning in New IPCC Report: 'Now or Never' — Inside Climate News #ActOnClimate #KeepItInTheGround*](https://advance.lexis.com/api/document?id=urn:contentItem:656B-3ND1-JCMN-Y3MD-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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10. [*New UN IPCC report claims 'Now or Never' to flight climate - That's an easy choice - NEVER! - More tipping points - Point-by-point rebuttal*](https://advance.lexis.com/api/document?id=urn:contentItem:656F-CD21-JCMN-Y3CW-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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11. [*Saudi Arabia dilutes fossil fuel phase out language with techno fixes in IPCC report*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BCF1-F03R-N1DY-00000-00&idtype=PID&context=1516831)

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12. [*IPCC calls for immediate and deep cuts in emissions to save the planet*](https://advance.lexis.com/api/document?id=urn:contentItem:6555-K8N1-JCMN-Y1W2-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

13. [*IPCC Report Finds Key Role for Nuclear in Climate Change Mitigation ...*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BCF1-F03R-N126-00000-00&idtype=PID&context=1516831)

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| **Content Type** | **Narrowed by** |
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14. [*'Now or never' to avoid climate catastrophe: UN*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BHS1-JCMN-Y4T8-00000-00&idtype=PID&context=1516831)

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15. [*United Nations #climate report: It's 'now or never' to limit #GlobalWarming to 1.5 degrees C #ActOnClimate #KeepItInTheGround*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y1F3-00000-00&idtype=PID&context=1516831)

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16. [*The IPCC says these changes to transportation could slow global warming — if they're done right*](https://advance.lexis.com/api/document?id=urn:contentItem:655K-J281-JCMN-Y3X3-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

17. [*Two things we thought we'd note from the IPCC report*](https://advance.lexis.com/api/document?id=urn:contentItem:655M-WF51-JCMN-Y2GJ-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
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18. [*IPCC confirms we're facing climate change shit creek*](https://advance.lexis.com/api/document?id=urn:contentItem:6555-K8N1-JCMN-Y2FV-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

19. [*'Now Or Never': Only Severe Emissions Cuts Will Avoid Climate Extremes - U.N. Report*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BFC1-JCMN-Y4BK-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

20. [*'2025 Is a Make-or-Break Year for Climate Action'*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y1K6-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

21. [*IPCC report focusses on last-minute strategies to cut emissions*](https://advance.lexis.com/api/document?id=urn:contentItem:655C-JTR1-F03R-N4J7-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

22. [*LAPD Needs Like A Million Cops To Arrest Four Scientists At Climate Protest*](https://advance.lexis.com/api/document?id=urn:contentItem:655X-78V1-F03R-N0W8-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

23. [*Media Misinformation is Helping Lead us Off Climate Cliff*](https://advance.lexis.com/api/document?id=urn:contentItem:655X-78K1-F03R-N4D3-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

24. [*UN climate panel calls for historic shift to renewable energy*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BFC1-JCMN-Y3HF-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

25. [*Debate over pivotal climate report breaks record*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BFC1-JCMN-Y3GW-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

26. [*Global hub launched to help countries slash methane emissions*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9JS1-JCMN-Y0D5-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

27. [*Reality Cannot Penetrate Into The Fantasy World Of Climate Campaigners*](https://advance.lexis.com/api/document?id=urn:contentItem:655G-89N1-F03R-N03N-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

28. [*The Dread 1.5 Degree Target Is Dead*](https://advance.lexis.com/api/document?id=urn:contentItem:6562-SX61-JCMN-Y3WM-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

29. [*The 'climate change' scam*](https://advance.lexis.com/api/document?id=urn:contentItem:655G-89N1-F03R-N1YB-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

30. [*Scientists To Biden: Don't Ramp Up #FossilFuels — Food & #Water Watch #ActOnClimate*](https://advance.lexis.com/api/document?id=urn:contentItem:6564-4MP1-JCMN-Y34Y-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

31. [*'Green News Report' - April 5, 2022*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y1BT-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

32. [*David Archibald climate sceptic running for Curtin*](https://advance.lexis.com/api/document?id=urn:contentItem:6561-GG11-JCMN-Y2WV-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

33. [*Five takeaways from the IPCC's report on limiting dangerous global heating*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BCF1-F03R-N1DX-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

34. [*Dangerous radicals are everywhere - Climate Weekly*](https://advance.lexis.com/api/document?id=urn:contentItem:655X-78V1-F03R-N0DB-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

35. [*What is carbon capture and storage?*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y1R0-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

36. [*Cutting Russian Gas Can Help Europe Stop the War and Global Warming*](https://advance.lexis.com/api/document?id=urn:contentItem:655V-VPR1-JCMN-Y2G6-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

37. [*IPCC Report Affirms That We Have the Tools to Address the Climate Crisis, but We're Running Out of Time to Act*](https://advance.lexis.com/api/document?id=urn:contentItem:655C-JTP1-F03R-N2VX-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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38. [*Intergovernmental Panel on Climate Change Mitigation Report*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BCF1-F03R-N1W2-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

39. [*UN to release handbook of climate change solutions*](https://advance.lexis.com/api/document?id=urn:contentItem:6550-7XV1-F03R-N3Y4-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

40. [*Major UN climate change report: 5 key takeaways*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y10W-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

41. [*'We Are On A Fast Track To Disaster' - Green Radicals Claim Humanity Has Only 3 Years Left To Stop 'Climate Apocalypse'*](https://advance.lexis.com/api/document?id=urn:contentItem:656J-3V91-F03R-N30D-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

42. [*U.N. Scientists Latest Report Offers Hope as New Poll Shows Americans Support Natural Infrastructure Solutions to #ClimateChange — The Walton Foundation #ActOnClimate*](https://advance.lexis.com/api/document?id=urn:contentItem:656B-3ND1-JCMN-Y3MB-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

43. [*India 's banks unprepared for climate breaking points*](https://advance.lexis.com/api/document?id=urn:contentItem:655D-WXG1-F03R-N0D6-00000-00&idtype=PID&context=1516831)

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44. [*2022 SkS Weekly Climate Change & Global Warming News Roundup #14*](https://advance.lexis.com/api/document?id=urn:contentItem:6568-VXN1-JCMN-Y44J-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

45. [*World's fossil fuel assets risk evaporating in climate fight*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y1JK-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

46. [*We Put Off the Need to ACT NOW on Climate Change at Our Peril*](https://advance.lexis.com/api/document?id=urn:contentItem:656F-CD21-JCMN-Y3CN-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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47. [*The SEC's climate proposal is not grounded in sound science*](https://advance.lexis.com/api/document?id=urn:contentItem:656B-3ND1-JCMN-Y3H3-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

48. [*UN : 18 nations have gone green on climate, raked in green*](https://advance.lexis.com/api/document?id=urn:contentItem:655C-JTR1-F03R-N3CP-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

49. [*Fly Less? Go Vegan? How People Can Take Climate Action*](https://advance.lexis.com/api/document?id=urn:contentItem:6555-K8N1-JCMN-Y20H-00000-00&idtype=PID&context=1516831)

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50. [*Guardian: Media 'Barely Reporting' UN Climate Catastrophe Warnings*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BFC1-JCMN-Y3CW-00000-00&idtype=PID&context=1516831)

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

51. [*Food, Farming And Forestry Must Be Transformed To Curb Global Warming, U.N. Says*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y1YM-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

52. [*Tuesday News: 'New IPCC report says it's fossil fuels or our future'; 'Zelenskyy to address U.N. amid outrage over Bucha'; 'DeSantis's Threats to Disney Is What Post-Trump Authoritarianism Looks Like'; 'Accelerate the energy transition to protect national security'*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y154-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

53. [*Altercation: A Great Voice, and a Good Friend, Leaves Us*](https://advance.lexis.com/api/document?id=urn:contentItem:655V-VPR1-JCMN-Y2GY-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

54. [*UN Calls For Substantial Reduction In Fossil Fuels*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BCF1-F03R-N1PM-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

55. [*Costa Rica 's 'leave it in the ground' policy in doubt after election*](https://advance.lexis.com/api/document?id=urn:contentItem:655G-89N1-F03R-N20T-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

56. [*Weekly Climate and Energy News Roundup #499*](https://advance.lexis.com/api/document?id=urn:contentItem:656G-R311-JCMN-Y30G-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

57. [*The Sun's Pro-Fracking Poll was Paid for by Climate Denial Group*](https://advance.lexis.com/api/document?id=urn:contentItem:655G-89N1-F03R-N0TN-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

58. [*'Asking For A Miracle': Hawaii Evaluates Global Roadmap To Avoid Climate Catastrophe*](https://advance.lexis.com/api/document?id=urn:contentItem:6568-VXN1-JCMN-Y42X-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

59. [*My latest piece in The Conversation*](https://advance.lexis.com/api/document?id=urn:contentItem:655T-J6J1-JCMN-Y3V7-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

60. [*Week in review - climate edition*](https://advance.lexis.com/api/document?id=urn:contentItem:6567-D8D1-F03R-N11S-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

61. [*Biden's Call to Increase LNG Export Capacity on Gulf Coast is Tantamount To Sarah Palin's Call to 'Drill Baby Drill' According to Environmental Advocates*](https://advance.lexis.com/api/document?id=urn:contentItem:6555-K8N1-JCMN-Y1M5-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

62. [*Governor Youngkin's Incompetence Continues - Waits For Legislators Leave to Send Legislation*](https://advance.lexis.com/api/document?id=urn:contentItem:655G-89N1-F03R-N0BM-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

63. [*Wednesday News: Zelenskyy Addresses UN , While US, EU Consider More Sanctions; 'President Obama, your country needs you'; 'Why Republicans Are Smearing Everyone As Pedophiles Now'; '[ Virginia ] Court orders Jan. 6 defense lawyer disbarred'*](https://advance.lexis.com/api/document?id=urn:contentItem:655G-89N1-F03R-N0BH-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

64. [*Hot carbon air*](https://advance.lexis.com/api/document?id=urn:contentItem:6552-BFC1-JCMN-Y474-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

65. [*For Investors With Net Zero Commitments, the SEC's Proposed Mandatory Climate Disclosure Rule Is Crucial*](https://advance.lexis.com/api/document?id=urn:contentItem:6561-GD31-F03R-N499-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

66. [*Scientists risk arrest to sound climate alarm*](https://advance.lexis.com/api/document?id=urn:contentItem:6550-7XV1-F03R-N44Y-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

67. [*Faltering Thursday - Fed's Hawkish Minutes do not Help the Market*](https://advance.lexis.com/api/document?id=urn:contentItem:655P-9NB1-JCMN-Y3D7-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

68. [*Still Time To Avoid A Climate Catastrophe - But Not Much*](https://advance.lexis.com/api/document?id=urn:contentItem:655M-WF51-JCMN-Y27Y-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

69. [*Scientists Hit the Streets*](https://advance.lexis.com/api/document?id=urn:contentItem:656J-3V91-F03R-N24N-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

70. [*University of # Wyoming scholar says latest UN #climate report finally connects climate with #SocialJustice — Wyoming Public Radio*](https://advance.lexis.com/api/document?id=urn:contentItem:6564-4MP1-JCMN-Y350-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

71. [*The little rule that could have a big impact on Connecticut 's response to climate change*](https://advance.lexis.com/api/document?id=urn:contentItem:656J-3V91-F03R-N3DY-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

72. [*Perubahan Iklim, Alarm dari Kerusakan Alam*](https://advance.lexis.com/api/document?id=urn:contentItem:656G-R311-F03R-N1TN-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

73. [*Atom-Nirbhar India : Nuclear energy is critical for the future. The civil liability clause deters foreign participation*](https://advance.lexis.com/api/document?id=urn:contentItem:655K-BH51-DXJR-H1TM-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

74. [*Mass coral bleaching of Australia's Great Barrier Reef goes under the media radar*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-8SC1-JCMN-Y4Y4-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

75. [*The Great Barrier Reef on Life Support*](https://advance.lexis.com/api/document?id=urn:contentItem:655X-78K1-F03R-N4J3-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

76. [*Europe's railways: unable to play the role they should in the climate transition*](https://advance.lexis.com/api/document?id=urn:contentItem:655D-WXG1-F03R-N18F-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

77. [*Bitcoin: How environmentally-damaging is it and what greener alternatives are there?*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y2MD-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

78. [*Statewide Gas Ban Bill Axed From NY Budget, Sources Say*](https://advance.lexis.com/api/document?id=urn:contentItem:655K-J2C1-F03R-N37D-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

79. [*How Climatologists Forgot the Sun Was Shining: Your Questions Answered*](https://advance.lexis.com/api/document?id=urn:contentItem:655K-J2C1-F03R-N30F-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

80. [*Cool Effect Celebrates the Good on the Ground and Positive Impact of Carbon-Reducing Projects*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9JS1-JCMN-Y0KJ-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

81. [*The climate costs of pay now/pay later spelled out*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9JS1-JCMN-Y0NY-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

82. [*New Ceres Report Identifies Seven Sectors Putting Global Freshwater Resources at Risk*](https://advance.lexis.com/api/document?id=urn:contentItem:656J-3V91-F03R-N3DS-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

83. [*Africa looks to renewables to curb warming, boost economies*](https://advance.lexis.com/api/document?id=urn:contentItem:6555-K8N1-JCMN-Y0S0-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

84. [*Connecticut must better educate its students on climate change*](https://advance.lexis.com/api/document?id=urn:contentItem:6550-7XV1-F03R-N45R-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

85. [*Op-Ed: Climate - Nothing is being achieved, last decade to turn things around*](https://advance.lexis.com/api/document?id=urn:contentItem:6555-K8N1-JCMN-Y1KM-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

86. [*Climate Scientists' Message To The Financial World: Dig Deeper*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y1YT-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

87. [*Nationalize the U.S. Fossil Fuel Industry to Save the Planet*](https://advance.lexis.com/api/document?id=urn:contentItem:655V-VPR1-JCMN-Y2GX-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

88. [*Guest Commentary: Inter- American Commission on Human Rights' First Resolution on the Climate Emergency: Implications for Climate Litigation*](https://advance.lexis.com/api/document?id=urn:contentItem:656J-3V91-F03R-N38Y-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

89. [*Essity Annual and Sustainability Report: Climate-Related Risks and Opportunities*](https://advance.lexis.com/api/document?id=urn:contentItem:655G-8B41-F03R-N0T0-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

90. [*'Green News Report' - April 7, 2022*](https://advance.lexis.com/api/document?id=urn:contentItem:655T-J6J1-JCMN-Y2T8-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

91. [*The 'climate change' doomsday cult keeps getting it wrong*](https://advance.lexis.com/api/document?id=urn:contentItem:655P-9NB1-JCMN-Y3JB-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

92. [*Climate Change Could Cost US $2 Trillion A Year By 2021*](https://advance.lexis.com/api/document?id=urn:contentItem:6555-K8N1-JCMN-Y211-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

93. [*Tribulations of a Climate Activist: Farhana Yamin in Search and Dissent*](https://advance.lexis.com/api/document?id=urn:contentItem:6567-D8D1-F03R-N0YT-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

94. [*Will the Bucha Massacre Lead to More Russia Sanctions?*](https://advance.lexis.com/api/document?id=urn:contentItem:6558-9M51-JCMN-Y1PR-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

95. [*Twistin' with Gallup 's Extreme Weather Poll*](https://advance.lexis.com/api/document?id=urn:contentItem:6564-4MP1-JCMN-Y312-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

96. [*Weekly Climate and Energy News Roundup #498*](https://advance.lexis.com/api/document?id=urn:contentItem:6556-XJ61-F03R-N0FR-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

97. [*Can investors ever trust carbon data?*](https://advance.lexis.com/api/document?id=urn:contentItem:655V-VPR1-JCMN-Y24R-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

98. [*Energy transformation can strengthen democracy and help fight climate change*](https://advance.lexis.com/api/document?id=urn:contentItem:655M-WF51-JCMN-Y2GC-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

99. [*At Hearing, Oversight Committee Urges Postal Service to Rapidly Electrify Delivery Fleet*](https://advance.lexis.com/api/document?id=urn:contentItem:655C-JTR1-F03R-N16V-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

100. [*Another Government Energy Strategy That Fails To Consider Efficiency*](https://advance.lexis.com/api/document?id=urn:contentItem:655V-VPR1-JCMN-Y2DR-00000-00&idtype=PID&context=1516831)

**Client/Matter:** -None-

**Search Terms:** IPCC

**Search Type:** Natural Language

**Narrowed by:**

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| **Content Type** | **Narrowed by** |
| News | Timeline: Apr 04, 2022 to Apr 11, 2022; Publication Type: Blogs |

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[***IPCC says it's not too late to avoid climate catastrophe***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6555-K8N1-JCMN-Y1D9-00000-00&context=1516831)

Newstex Blogs

Biofuels Digest

April 5, 2022 Tuesday 1:06 AM EST

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**Length:** 407 words

**Byline:** Meghan Sapp

**Body**

Apr 04, 2022( Biofuels Digest: [*http://www.biofuelsdigest.com*](http://www.biofuelsdigest.com)/ Delivered by Newstex)

In Switzerland, in 2010-2019 average annual global greenhouse gas emissions were at their highest levels in human history, but the rate of growth has slowed[1]. Without immediate and deep emissions reductions across all sectors, limiting global warming to 1.5C is beyond reach. However, there is increasing evidence of climate action, said scientists in the latest Intergovernmental Panel on Climate Change (***IPCC***) report released Monday.

The Summary for Policymakers of the ***IPCC*** Working Group III report, Climate Change 2022: Mitigation of climate change was approved on April 4 2022, by 195 member governments of the ***IPCC***, through a virtual approval session that started on March 21. It is the third instalment of the ***IPCC***'s Sixth Assessment Report (AR6), which will be completed this year.

Limiting global warming will require major transitions in the energy sector. This will involve a substantial reduction in fossil fuel use, widespread electrification, improved energy efficiency, and use of alternative fuels (such as hydrogen), the ***IPCC*** said.

[ 1]: [*https://www.****ipcc****.ch/2022/04/04/****ipcc****-ar6-wgiii-pressrelease/*](https://www.ipcc.ch/2022/04/04/ipcc-ar6-wgiii-pressrelease/)

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**Load-Date:** April 4, 2022

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[***IPCC Adaptation Report: It's Later Than You Think***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655V-VPR1-JCMN-Y28F-00000-00&context=1516831)

Newstex Blogs

Naked Capitalism

April 8, 2022 Friday 10:00 AM EST

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**Length:** 1801 words

**Byline:** Yves Smith

**Body**

Apr 08, 2022( Naked Capitalism: [*http://www.nakedcapitalism.com*](http://www.nakedcapitalism.com)/ Delivered by Newstex)

Yves here. While the West is busy fixating on the war in Ukraine, and fossil fuel companies salivate over being allowed to ramp up greenhouse gas emissions, ever-grimmer warnings from the ***IPCC*** are being ignored. Babies in Ukraine are serving to justify even faster planetary degradation.

By Thomas Neuburger. Originally published at God's Spies[1]

What a killing heat wave looks like in the real world. 50C = 123F. From July 2020 (source[2]).

By the time the next ***IPCC*** report on the pathways forward is published, 7-8 years from now, we will already know whether we secured a decent chance for a sustainable future — or if we face a devil's bargain that offers only ruinous costs no matter which way we go from there. —One savvy climate analyst (via email) on the just-released ***IPCC*** Working Group 3 report

If the wealthy had ever planned to save our species from the coming catastrophe, they'd be doing so now and we'd be watching them do it. —Yours truly, here[3]

The ***IPCC***'s Sixth Assessment Report (AR6) is almost complete. The products of Working Groups 1 and 2, the one dealing with the physical science (WG1[4]) and the one dealing with impacts and vulnerabilities (WG2[5]), are already out. The report of Working Group 3, dealing with adaptation, has just been released[6]. All that remains is the Synthesis Report that summarizes all three. (For more on these reports, see our earlier comments here[7].)

Uncharacteristically, the WG3 report is dire. (All citations from this report of the ***IPCC*** will come from the Summary for Policymakers[8]. For just the headline statements, go here[9].)

As usual the language is dense and obtuse, though accurate. For example:

SPM.C.3 Soft limits to some human adaptation have been reached, but can be overcome by addressing a range of constraints, primarily financial, governance, institutional and policy constraints (high confidence). Hard limits to adaptation have been reached in some ecosystems (high confidence). With increasing global warming, losses and damages will increase and additional human and natural systems will reach adaptation limits (high confidence).

You have to think about that to get it. Paint a picture, it does not. 'Hard adaptation limits' includes death.

Or:

SPM.C.4 There is increased evidence of maladaptation[15] across many sectors and regions since the AR5. Maladaptive responses to climate change can create lock-ins of vulnerability, exposure and risks that are difficult and expensive to change and exacerbate existing inequalities. Maladaptation can be avoided by flexible, multi-sectoral, inclusive and long-term planning and implementation of adaptation actions with benefits to many sectors and systems. (high confidence)

'Maladaption' means picking a solution that locks in the problem. Building out 30 years of methane ('America's clean energy[10]'), for example, as a solution to climate change is a 'maladaptation' — like switching to a different poison as you lay dying.

And:

SPM.C.5.1 Political commitment and follow-through across all levels of government accelerate the implementation of adaptation actions (high confidence). Implementing actions can require large upfront investments of human, financial and technological resources (high confidence), whilst some benefits could only become visible in the next decade or beyond (medium confidence). Accelerating commitment and follow-through is promoted by rising public awareness, building business cases for adaptation, accountability and transparency mechanisms, monitoring and evaluation of adaptation progress, social movements, and climate-related litigation in some regions (medium confidence).

Shorter version: 'Politics and capital investment is needed to fix this, even if the return and results aren't obvious for a decade or more.' (Duh.) Also, 'it's important to build a 'business case' for adapting to climate change.' (Now that's just stupid, like requiring that a business case be made for a village hospital before one is built.)

The Summary for Policymakers is supposed to be the non-technical chapter for people like Joe Biden. It's almost as though they didn't want to be understood. (And they don't. Again, see this analysis[11].)

In Plain English

But the following makes clear how dire the situation is. From the climate-savvy analyst quoted at the top:

2025 is now a make-or-break year. The ***IPCC*** finds that globally we must reach peak greenhouse gas emissions by 2025 in order to limit warming to 1.5C, and that delaying a peak past 2025 means unavoidable and unnecessary economic losses.

And this is from the WG3 co-chair himself, in an interview with the Guardian via Brad Johnson's excellent newsletter, Hill Heat[12]:

'It's now or never[13], if we want to limit global warming to 1.5C,' ***IPCC*** Working Group III co-chair Jim Skea announced today, at the release[14] of the group's Mitigation of Climate Climate Change report[15]. 'Without immediate and deep emissions reductions across all sectors, it will be impossible.'

'Now or never,' said the co-author of the WG3 report. If they could only write like they talk.

Why None of This Hits Home

The problems, of course, are these, as anyone with eyes can see:

Complete political capture of the ruling class by the fossil fuel companies (our rulers are determined to keep us on carbon till they can't) The pathological greed and hubris of the very very rich, our rulers The refusal of anyone with power, and certainly anyone with power in the U.S., to end fossil fuel subsidies And the refusal, unmentioned by this report, by the wealth-controlled mainstream media to make this seem urgent

About the third point above, Thom Hartmann, in his daily newsletter[16], says this[17](emphasis mine; links at the source):

[I]t's so much cheaper to drive an electric car regardless of where you live. And now many new EV prices ($27,400 for a Nissan Leaf, for example) are even below the US average ($38,700) for gas-powered cars.

Don't bother using a search engine to try to find this information, though. Fossil fuels are a multi-trillion-dollar industry, and US taxpayers — you and me — subsidized that industry to the tune of over $600 billion last year.

The International Monetary Fund calculates worldwide subsidies for fossil fuels at $5.9 trillion in 2020: that's $11 million a minute.

The rich who run the place, the very very wealthy, are subsidizing our (and their) certain end. How strange is that? How ironic this story will seem when it's all played out, after no one is left to read it.

One could argue that the world has already passed its 'make-or-break' year — passed it many decades ago. It will take significant action to keep us from devolving to a place with 'ruinous costs no matter which way we go.' Yet our rulers refuse to take any 'significant action' at all.

Instead, we're offered the predictably limp-wristed promises[18] of our current current president, who is breaking even those as fast as he can[19]. The irony[20] is world-historical.

[*https://www.nakedcapitalism.com/2022/04/****ipcc****-adaptation-report-its-later-than-you-think.html#*](https://www.nakedcapitalism.com/2022/04/ipcc-adaptation-report-its-later-than-you-think.html)

This entry was posted in Commodities[21], Doomsday scenarios[22], Dubious statistics[23], Energy markets[24], Environment[25], Global warming[26], Guest Post[27], Politics[28], Science and the scientific method[29] on April 8, 2022[30] by Yves Smith[31].

[ 1]: [*https://neuburger.substack.com/p/****ipcc****-adaptation-report-its-later?s=r*](https://neuburger.substack.com/p/ipcc-adaptation-report-its-later?s=r) [ 2]: [*https://independentpress.cc/46561-2/2020/07/30/*](https://independentpress.cc/46561-2/2020/07/30/) [ 3]: [*https://neuburger.substack.com/p/an-independence-day-reflection-how?s=w*](https://neuburger.substack.com/p/an-independence-day-reflection-how?s=w) [ 4]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-i/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-i/) [ 5]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-ii/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-ii/) [ 6]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 7]: [*https://neuburger.substack.com/p/how-fossil-fuel-governments-control*](https://neuburger.substack.com/p/how-fossil-fuel-governments-control) [ 8]: [*https://report.****ipcc****.ch/ar6wg2/pdf/****IPCC****\_AR6\_WGII\_SummaryForPolicymakers.pdf*](https://report.ipcc.ch/ar6wg2/pdf/IPCC_AR6_WGII_SummaryForPolicymakers.pdf) [ 9]: [*https://www.****ipcc****.ch/report/ar6/wg2/resources/spm-headline-statements/*](https://www.ipcc.ch/report/ar6/wg2/resources/spm-headline-statements/) [ 10]: [*https://www.youtube.com/watch?v=4onrDRXk3ww*](https://www.youtube.com/watch?v=4onrDRXk3ww) [ 11]: [*https://neuburger.substack.com/p/how-fossil-fuel-governments-control*](https://neuburger.substack.com/p/how-fossil-fuel-governments-control) [ 12]: [*https://hillheat.substack.com/p/were-off-to-never-never-land*](https://hillheat.substack.com/p/were-off-to-never-never-land) [ 13]: [*https://www.theguardian.com/environment/2022/apr/04/****ipcc****-report-now-or-never-if-world-stave-off-climate-disaster*](https://www.theguardian.com/environment/2022/apr/04/ipcc-report-now-or-never-if-world-stave-off-climate-disaster) [ 14]: [*https://www.theguardian.com/environment/2022/apr/03/scientists-urge-end-to-fossil-fuel-use-as-landmark-ippc-report-readied*](https://www.theguardian.com/environment/2022/apr/03/scientists-urge-end-to-fossil-fuel-use-as-landmark-ippc-report-readied) [ 15]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 16]: [*https://hartmannreport.com*](https://hartmannreport.com)/ [ 17]: [*https://hartmannreport.com/p/cut-out-the-middlemen-and-get-your*](https://hartmannreport.com/p/cut-out-the-middlemen-and-get-your) [ 18]: [*https://joebiden.com/climate-plan*](https://joebiden.com/climate-plan)/ [ 19]: [*https://neuburger.substack.com/p/industry-calls-the-climate-shots*](https://neuburger.substack.com/p/industry-calls-the-climate-shots) [ 20]: [*https://neuburger.substack.com/p/this-ironic-world-does-climate-hope*](https://neuburger.substack.com/p/this-ironic-world-does-climate-hope) [ 21]: [*https://www.nakedcapitalism.com/category/commodities*](https://www.nakedcapitalism.com/category/commodities) [ 22]: [*https://www.nakedcapitalism.com/category/doomsday-scenarios*](https://www.nakedcapitalism.com/category/doomsday-scenarios) [ 23]: [*https://www.nakedcapitalism.com/category/dubious-statistics*](https://www.nakedcapitalism.com/category/dubious-statistics) [ 24]: [*https://www.nakedcapitalism.com/category/energy-markets*](https://www.nakedcapitalism.com/category/energy-markets) [ 25]: [*https://www.nakedcapitalism.com/category/environment*](https://www.nakedcapitalism.com/category/environment) [ 26]: [*https://www.nakedcapitalism.com/category/global-warming*](https://www.nakedcapitalism.com/category/global-warming) [ 27]: [*https://www.nakedcapitalism.com/category/guest-post*](https://www.nakedcapitalism.com/category/guest-post) [ 28]: [*https://www.nakedcapitalism.com/category/politics*](https://www.nakedcapitalism.com/category/politics) [ 29]: [*https://www.nakedcapitalism.com/category/science-and-the-scientific-method*](https://www.nakedcapitalism.com/category/science-and-the-scientific-method) [ 30]: [*https://www.nakedcapitalism.com/2022/04/****ipcc****-adaptation-report-its-later-than-you-think.html*](https://www.nakedcapitalism.com/2022/04/ipcc-adaptation-report-its-later-than-you-think.html) [ 31]: [*https://www.nakedcapitalism.com/author/yves-smith*](https://www.nakedcapitalism.com/author/yves-smith)

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[***PRESS RELEASE: Heartland Institute Climate Experts React to Latest UN IPCC Report***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655T-J6J1-JCMN-Y37H-00000-00&context=1516831)

Newstex Blogs

The Heartlander

April 7, 2022 Thursday 9:45 PM EST

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**Length:** 1233 words

**Body**

Apr 07, 2022( The Heartlander: [*https://www.heartland.org/news-opinion/news*](https://www.heartland.org/news-opinion/news) Delivered by Newstex) ;;

ARLINGTON HEIGHTS, IL (April 7, 2022) - The United Nations Intergovernmental Panel on Climate Change (***IPCC***) released its Sixth Assessment Report (AR6) this week. ***IPCC*** chairman Hoesung Lee claimed "we are at a crossroads" but need to start reducing overall global emissions of carbon dioxide after 2025 to "secure a livable future." UN Secretary-General António Guterres said unless we dramatically reduce CO2 emissions, humanity faces a future of 'unprecedented heatwaves, terrifying storms, widespread water shortages and the extinction of a million species of plants and animals.'

Climate science and policy experts at The Heartland Institute[1] strongly disagree with this assessment. The Heartland Institute is the world's most-prominent think tank promoting the work of scientists and other experts who do not think human activity is causing a climate crisis. You can review our work at the Climate Change Reconsidered[2] website, ClimateRealism.com[3], ClimateAtAGlance.com[4], the archive of Heartland's 13 International Conferences on Climate Change[5], and the climate page[6] at the Heartland website.

The following statements may be used for attribution. If you'd like to interview any of Heartland's experts, contact Director of Communications Jim Lakely at [*jlakely@heartland.org*](mailto:jlakely@heartland.org) [7], or call/text Jim's cell at 312-731-9364.;

'The ***IPCC*** report is tantamount to 'old whine (pun intended), in new bottles.' There is nothing truly new in this report. It makes the same unsubstantiated claims of doom, and the same unsubstantiated claims that we can act now, to, in a very short time period, end the use of fossil fuels to save the earth, and profit in the process. The projections of climate models have repeatedly proven inaccurate, and the resources simply do not exist to - in the time frame the ***IPCC*** says saving the planet demands - remake the entire global economy sans fossil fuels. In the process of trying, we would destroy the environment by mining, erecting wind turbines and solar arrays, to save it.'

H. Sterling Burnett, Ph.D.[8] Director, Arthur B. Robinson Center on Climate & Environmental Policy The Heartland Institute Managing Editor, Environment & Climate News[9] [*hsburnett@heartland.org*](mailto:hsburnett@heartland.org) [10] 214/909-2368;

'For seemingly the 32nd year in a row, the agenda-driven climate bureaucrats producing ***IPCC*** reports tell us that we have just one more year to save humanity from a climate crisis. The ***IPCC*** has been scandalously wrong regarding virtually all of their past predictions. There is no reason to believe this version will be any more accurate.'

James Taylor[11] President The Heartland Institute [*jtaylor@heartland.org*](mailto:jtaylor@heartland.org) [12] 727/215-3192;

'While doomsday predictions grab headlines, real-world data continues to frustrate and counter the extreme claims made by the ***IPCC***. The computer model projections these reports lean on continue to fail to represent past or present temperature changes, and so remain more science fiction than fact. Since this year's report boasts a greater proportion of social scientists and a focus on 'social justice' than in years past, I think it is safe to say that the ***IPCC*** is slowly abandoning even the faade of data-driven credibility.'

Linnea Lueken[13] Research Fellow The Heartland Institute [*llueken@heartland.org*](mailto:llueken@heartland.org) [14] 312/377-4000;

'The ***IPCC*** Chicken Littles have been have been crying this cry for so long now that no one other than the people making money off of fueling the climate catastrophe hysteria are paying attention anymore. Barbra Streisand has retired less often than the ***IPCC*** has issued their 'This Really Is the Last Chance, Guys' reports. Each new one drags the organization further and further into irrelevancy.'

Tim Benson[15] Policy Analyst The Heartland Institute [*tbenson@heartland.org*](mailto:tbenson@heartland.org) [16] 312/377-4000;

'The ***IPCC*** is relying on questionable information to make an even more-questionable forecast into the future. For example. it has been proven that the RCP 8.5 climate model forecast is impossibly hot because there is simply not enough fossil fuel on the planet to put that much carbon dioxide into the atmosphere. A peer-reviewed study proved this. Yet the bureaucrats continue to use that climate model because it supports their belief system.

'Their forecast is also predicated on an over-simplistic idea that carbon dioxide is the single controlling factor for the climate. In fact, the climate is exceptionally complex with hundreds of factors in it - many of which aren't even properly dealt with in the climate models, such as clouds. If you look back at forecast made by the UN over the last 30-plus years, you'll see that many of them have not even come close to being true. The confidence level in this particular report therefore should be very low.'

Anthony Watts[17] Senior Fellow The Heartland Institute [*awatts@heartland.org*](mailto:awatts@heartland.org) [18] 312/377-4000;

The Heartland Institute[19] is national nonprofit organization founded in 1984 and headquartered in Arlington Heights, Illinois. Its mission is to discover, develop, and promote free-market solutions to social and economic problems. For more information, visit our website[20] or call 312/377-4000.

[ 1]: [*https://www.heartland.org/index.html*](https://www.heartland.org/index.html) [ 2]: [*https://climatechangereconsidered.org*](https://climatechangereconsidered.org)/ [ 3]: [*https://climaterealism.com*](https://climaterealism.com)/ [ 4]: [*https://climateataglance.com*](https://climateataglance.com)/ [ 5]: [*http://climateconferences.heartland.org*](http://climateconferences.heartland.org)/ [ 6]: [*https://www.heartland.org/Center-Climate-Environment/index.html*](https://www.heartland.org/Center-Climate-Environment/index.html) [ 7]: [*jlakely@heartland.org*](mailto:jlakely@heartland.org) [ 8]: [*https://www.heartland.org/about-us/who-we-are/h-sterling-burnett*](https://www.heartland.org/about-us/who-we-are/h-sterling-burnett) [ 9]: [*https://heartlanddailynews.com/category/environment/*](https://heartlanddailynews.com/category/environment/) [ 10]: [*hsburnett@heartland.org*](mailto:hsburnett@heartland.org) [ 11]: [*https://www.heartland.org/about-us/who-we-are/james-m-taylor*](https://www.heartland.org/about-us/who-we-are/james-m-taylor) [ 12]: [*jtaylor@heartland.org*](mailto:jtaylor@heartland.org) [ 13]: [*https://www.heartland.org/about-us/who-we-are/linnea-lueken*](https://www.heartland.org/about-us/who-we-are/linnea-lueken) [ 14]: [*llueken@heartland.org*](mailto:llueken@heartland.org) [ 15]: [*https://www.heartland.org/about-us/who-we-are/tim-benson*](https://www.heartland.org/about-us/who-we-are/tim-benson) [ 16]: [*tbenson@heartland.org*](mailto:tbenson@heartland.org) [ 17]: [*https://www.heartland.org/about-us/who-we-are/anthony-watts*](https://www.heartland.org/about-us/who-we-are/anthony-watts) [ 18]: [*awatts@heartland.org*](mailto:awatts@heartland.org) [ 19]: [*https://www.heartland.org*](https://www.heartland.org)/ [ 20]: [*https://www.heartland.org*](https://www.heartland.org)/

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[***'Now or never' to keep within 1.5C, reports IPCC***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655P-9N81-JCMN-Y260-00000-00&context=1516831)

Newstex Blogs

China Dialogue

April 7, 2022 Thursday 1:35 PM EST

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**Length:** 2020 words

**Byline:** Catherine Early

**Body**

Apr 05, 2022( China Dialogue: [*https://chinadialogue.net*](https://chinadialogue.net)/ Delivered by Newstex)

Without 'immediate and deep' emissions reductions across all sectors, limiting global warming to 1.5C will be impossible, according to the latest assessment by climate scientists.

The warning came in the third report to be released in the last nine months by the ***IPCC*** (Intergovernmental Panel on Climate Change). It examines current emissions trends, future warming projections, and considers how to transition to a low-carbon economy in line with the Paris Agreement. Climate science[1] and adaptation[2] were the subjects of the previous two.

The latest report stresses the critical importance of the next few years. To stand a chance of keeping temperature rise below 1.5C above pre-industrial levels, greenhouse gas emissions must be peaked 'before 2025 at the latest', and reduced 48% by 2030, while methane also needs to be slashed by a third.

Limiting warming to around 2C would still require greenhouse gas emissions to peak globally before 2025, and be reduced by a quarter by 2030.

This is a tall order given the current trajectory: average annual emissions in 2010 to 2019 were around 12% higher than in 2010, and 54% higher than in 1990.

Globally, emissions have increased in all major sectors since 2010. Despite reductions being achieved in energy production and industry, these savings have been overtaken by emissions increases in industry, energy supply, transport, agriculture and buildings, the ***IPCC*** said.

Even with radical action, it is 'almost inevitable' that the world will exceed 1.5C, but could return below that by the end of the century, the report states. If current national climate plans are followed the world will likely pass 1.5C this century, with global warming of 2.8C possible by 2100 if ambition does not increase after 2030.

Jim Skea, professor of sustainable energy at Imperial College London, and co-chair of the working group that produced the report, told media that the rapid decarbonisation set out in the report would be a major change in direction for the world.

'The longer we put off action, the bigger the feasibility challenges [of staying within 1.5C]will be. That is a very, very clear message of the report,' he said.

The report references more than 59,000 scientific papers, and was finalised and signed off by 278 authors. A summary for policymakers then went through a line-by-line approval process by government officials from every country. The launch was delayed after this process ran over schedule by 40 hours.

Saudi Arabia watered down the wording on the need to phase out coal, oil and gas, while arguing for the repeated inclusion of references to carbon capture and storage that would allow the continued extraction of oil and gas, according to Climate Home News[3]. CO2 removal is necessary, but limited Despite this, the report states that existing and planned fossil fuel infrastructure will exhaust the remaining carbon budget to stay within 1.5C. By 2050, the use of coal, oil and gas will need to be reduced by 100%, 60% and 70% respectively. Further installation offossil fuel infrastructurewithout carbon capture and storage would lock in emissions and put 1.5C out of reach.

The ***IPCC*** has stated in previous reports that delays to emissions reductions have meant carbon dioxide removal (CDR) techniques will be needed, particularly for sectors where mitigation is most difficult, including agriculture, aviation, shipping, and industries such as steel and cement production.

CDR includes measures[4]to enhance natural carbon sinks such as forests, peatlands and wetlands. It also includes technologies such asdirect air capture[5], in which CO2 is removed from the atmosphere, and bioenergy with carbon capture and storage[6] (BECCS), in which crops are grown and then burned for energy, with the resulting emissions captured and stored underground in geological reservoirs. This direct air capture facility in Switzerland has 30 fans powered by energy from a waste incinerator. Each one can suck up to 135kg of CO2 out of the air every day. This is then used to boost the growth of fruit and vegetables in a nearby greenhouse. (Image: Orjan Ellingvag / Alamy) However, the scientists are clear on CDR's limitations, and on the trade-offs associated with all methods. Carbon capture and storage (CCS) could reduce emissions from large scale fossil-based energy and industrial sources only if underground storage is available and if CCS capture rates can reach 90-95% for new installations and a comparable rate for existing installations. But the technology faces economic, environmental and social barriers, stated the scientists.

Meanwhile, large-scale implementation of BECCS could cause competition for agricultural land and seriously threaten food production, while also impacting biodiversity, water and soil quality. Recommended 'There are a very diverse number of approaches and technologies that count as carbon dioxide removal, and they all need to be addressed very carefully. With land-based CDR, you need to look out very carefully for social equity issues,' Skea said.

Peg Putt, coordinator of a working group on forests and biomass energy at the Environmental Paper Network, a coalition of more than 150 NGOs working towards environmental and social responsibility in the forest, pulp and paper industries, said BECCS would lead to forests being burned down, damage to wildlife and air pollution for nearby communities.

Philip MacDonald, analyst and chief operating officer at campaign group Ember, called assumptions made about BECCS' contribution to emission reduction 'shaky'. 'Where does the wood come from? How much energy was used to grow it? Did we chop down a forest for it? How was it transported? Many of these simple lifecycle questions are hard to pin down.' Quick policy wins are available The report did provide a glimmer of hope. Average annual emissions growth slowed to 1.3% in the past decade, from 2.1% between 2000 and 2009. At least 18 countries have now seen a decade of reductions in their production-based greenhouse gas emissions, and consumption-based CO2 emissions, mainly through decarbonising energy supply, reducing energy demand and improving efficiency. However, these reductions have only partly offset global emissions growth, the ***IPCC*** said.

85%

Costs of renewable energies have plummeted by up to 85% since 2010

The report points to some quick policy wins, noting measures that are all technically viable, increasingly cost-effective and supported by the public. These include solar and wind energy, electrification of urban systems, greening in cities, energy efficiency, demand-side management, improved forest and crop/grassland management, and reduced food waste and loss.

Costs of renewable energies have plummeted by up to 85% since 2010, faster than anyone had predicted, thanks to tailored policies. In fact, the economic benefit of limiting warming to 2C exceeds the cost of mitigation, the ***IPCC*** says. Options costing US$100 or less per tonne of carbon could bring greenhouse emissions down by at least the 2019 level by 2030. Half of that reduction could be achieved through measures costing less than $20 for every tonne of CO2. These include improving energy efficiency in buildings, shipping and aviation, and rolling out electric vehicles. Finance missing in action More investment in renewable energy is needed, while finance going towards fossil fuelsmust be halted, the ***IPCC*** says. Between 2020 and 2030, annual investments need to be three to six times greater than current levels across all sectors to limit warming to 1.5C, it states. While there is sufficient global capital and liquidity to close investment gaps, this will rely on clear signalling from governments and the international community, including a stronger alignment of public sector finance and policy.

The investment needed to fund transition measures is in the 'trillions, not billions', Skea said. Government investments alone will not close the gap, though government can use its finance more cleverly in order to incentivise the private sector to step up, he said. In many developing countries, the cost of capital is high, but governments can bring this down through export credit and loan guarantees to make projects investible, he said. We are beginning to slow the pace of growth of emissions, the challenge now is to step up the pace of that actionJim Skea, professor of sustainable energy at Imperial College London, and co-chair of the working group that produced the latest ***IPCC*** report Poorer island nations repeated their plea for an end to fossil fuel subsidies, which the G20 committed to in 2009, but have not yet implemented. 'Fossil fuel dependency is killing our planet. AOSIS [the Association of Small Island States] once again urges the G20 to phase out all fossil fuel subsidies by 2023 and immediately divest from emission-intensive industries, channelling all investment towards low- to no-greenhouse gas emissions and climate-resilient development,'said AOSIS chair, Walton Webson.

According to the ***IPCC***, removing fossil fuel subsidies would reduce emissions, improve public revenue and macroeconomic performance, and could reduce greenhouse gas emissions up to 10% by 2030. UN Secretary General Antonio Guterres slammed governments and financial institutions who continued to invest in fossil fuels, calling this 'moral and economic madness'. He said: 'Such investments will soon be stranded assets - a blot on the landscape and the blight on investment portfolios.' At a crossroads The ***IPCC*** stressed that the world already has the tools and knowledge to limit warming. Policies, regulations and market instruments put in place by many countries had been effective. Without these, emissions would have been 3-10% higher than they currently are.

'We are beginning to slow the pace of growth of greenhouse gas emissions, the challenge now is really to step up the pace of that action. We have the tools, we have the regulations, we have the policies - we need to make them tighter, and we need to spread them more widely,' Skea said.

A Chinese translation of this article will follow soon.

[ 1]: [*https://chinadialogue.net/en/climate/****ipcc****-report-will-scientists-latest-warning-inject-urgency-into-climate-negotiations/*](https://chinadialogue.net/en/climate/ipcc-report-will-scientists-latest-warning-inject-urgency-into-climate-negotiations/) [ 2]: [*https://chinadialogue.net/en/climate/****ipcc****-report-is-blueprint-for-a-future-on-the-planet/*](https://chinadialogue.net/en/climate/ipcc-report-is-blueprint-for-a-future-on-the-planet/) [ 3]: [*https://www.climatechangenews.com/2022/04/04/saudi-arabia-dilutes-fossil-fuel-phase-out-language-with-techno-fixes-in-****ipcc****-report/*](https://www.climatechangenews.com/2022/04/04/saudi-arabia-dilutes-fossil-fuel-phase-out-language-with-techno-fixes-in-ipcc-report/) [ 4]: [*https://www.carbonbrief.org/explainer-10-ways-negative-emissions-could-slow-climate-change*](https://www.carbonbrief.org/explainer-10-ways-negative-emissions-could-slow-climate-change) [ 5]: [*https://www.carbonbrief.org/combining-renewables-with-direct-air-capture-for-net-negative-emissions*](https://www.carbonbrief.org/combining-renewables-with-direct-air-capture-for-net-negative-emissions) [ 6]: [*https://chinadialogue.net/en/climate/bioenergy-from-forests-may-turn-natural-landscapes-into-monocultures/*](https://chinadialogue.net/en/climate/bioenergy-from-forests-may-turn-natural-landscapes-into-monocultures/)

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[***ExxonMobil Announces $10 Billion Oil Investment the Same Day IPCC Signals End for Fossil Fuels***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655G-89N1-F03R-N1K4-00000-00&context=1516831)

Newstex Blogs

Naked Capitalism

April 6, 2022 Wednesday 12:05 PM EST

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**Length:** 1964 words

**Byline:** Yves Smith

**Body**

Apr 06, 2022( Naked Capitalism: [*http://www.nakedcapitalism.com*](http://www.nakedcapitalism.com)/ Delivered by Newstex)

Yves here. It does not take much in the way of observational skills to notice that the war in Ukraine has give big bad fossil fuel companies a new lease on life. The leaky but tightening embargoes and self-sanctions on Russian oil and gas are leading to balkanized markets, as well as inefficient usage. For instance, shipping shale gas around the world (and building new pipelines, port facilities, and tankers) adds to both environmental and real costs. And shale does not make for great diesel or heating oil, begging the question of where the heavier grades come from, since the big reserves are in countries on the bad guy list: Russia, Iran, Venezuela (yes, Canadian tar sands produce some, but they mainly generate the light grades, and readers tell me we are already making full use of the heavier stuff).

The degree of resignation about sacrificing climate goals is reflected in reports that ESG oriented investors are relaxing or dropping requirements to divest or lighten up on fossil fuel exploration and development companies.

By Sharon Kelly. Originally published at DeSmogBlog[1]

ExxonMobil Refinery, Baytown TX. Credit: Roy Luck[2], CC BY 2.0[3]

'Investing in new fossil fuel infrastructure is moral and economic madness,' UN Secretary-General António Guterres said as the Intergovernmental Panel on Climate Change (***IPCC***) released part of its latest report on Monday. This scientific summary, focused on how the world can cut greenhouse gas emissions, warns of the extraordinary harm to all of humanity caused by fossil fuels and the need for a rapid energy transition away from oil, gas, and coal, calling for meaningful changes over the next three years. 'Such investments will soon be stranded assets, a blot on the landscape, and a blight on investment portfolios.'

That same day, oil giant ExxonMobil made an announcement[4] of its own: a $10 billion final investment decision for an oil and gas development project in the South American nation of Guyana that the company said would allow it to add a quarter of a million barrels of oil a day to its production in 2025.

The ***IPCC***'s call to action was urgent. 'We are on a fast track to climate disaster,' Guterres said[5], reciting a list of consequences that have become all too familiar over the past few years — and warning of worse to come. 'Major cities under water. Unprecedented heatwaves. Terrifying storms. Widespread water shortages. The extinction of a million species of plants and animals. This is not fiction or exaggeration. It is what science tells us will result from our current energy policies.'

The ***IPCC***'s report marked the end of an era for fossil fuel producers, some observers said, establishing that, as The Guardian put it[6], the world has seen 'a century of rising emissions [that] must end before 2025 to keep global heating under 1.5C, beyond which severe impacts will increase further, hurting billions of people.'

The disconnect between the two announcements, suggesting two markedly different trajectories for 2025, seems all the more glaring given that ExxonMobil itself has been an active participant in the ***IPCC*** 'since its inception in 1988,' as the company wrote in a 2021 report[7]. Exxon's announcement that it plans to continue to pour billions of dollars into nonetheless expanding fossil fuel production — not just in Guyana but around the world — sends a strong message about the direction the company plans to steer, despite the warnings flowing from the ***IPCC***, with consequences for us all.

Since the ***IPCC***'s last report on climate change mitigation in 2014, the world has seen the renewable energy industry surge and some of the fossil fuel industry's favored concepts, like carbon capture and sequestration, flounder.

Since 2010, wind energy costs have plunged 55 percent — and the costs of solar energy and lithium-ion batteriesdropped even further[8], a stunning 85 percent reduction.

And in 2020, ExxonMobil itself was delisted[9] from the Dow Jones Industrial Average, bringing an end to a nearly century-long run[10].

Meanwhile, major carbon capture projects like Southern Company's $7.5 billion attempt[11] to build a coal-fired plant that could capture its own emissions were abandoned. Other closely watched carbon capture projects like Petra Nova and Boundary Dam[12] have failed to live up to expectations[13].

As a result of that one-two punch, new fossil fuel projects may find themselves fighting against the tides, facing not just cheaper competition but also the drive to slash demand for their products to combat climate change. 'Without carbon capture, coal and gas plants would need to retire about 23 years earlier than expected in order to hold global temperature rise to 1.5 degrees Celsius, and 17 years earlier in the case of the 2 C limit, according to the [***IPCC***] report,' E&E News explained[14] this week. 'To limit warming to 1.5 C, global coal use must drop 95 percent by 2050, the ***IPCC*** said. Oil must fall by roughly 60 percent and gas by about 45 percent.'

'It's now or never, if we want to limit global warming to 1.5C (2.7F).' - #***IPCC***[15] Working Group III Co-Chair Jim Skea on the release of ***IPCC***'s latest #ClimateReport[16] on the mitigation of #climatechange[17].

️ [*https://t.co/N9cLJFBbnA*](https://t.co/N9cLJFBbnA)[18]

Watch the trailer pic.twitter.com/rGbeuzLf9p[19]

— ***IPCC*** (@***IPCC***\_CH) April 4, 2022[20]

Oil markets, of course, remain notoriously bumpy — and amid the upheaval spurred by Russia's invasion of Ukraine, gasoline prices surged, creating windfalls for unhedged producers. On Monday, the same day as the ***IPCC*** report and the $10 billion Guyana investment decision, Exxon separately announced[21] that it expects earnings in the first three months of this year to be the company's best in seven years. However, Reuters noted[22], that doesn't take into account the costs Exxon will incur from pulling out of Russia, which could erase up to $4 billion of the company's expected earnings of roughly $9.8 billion this quarter.

Of course, oil and gas drilling can be a gamble for plenty of other reasons. Last week, Exxon reported failing[23] to strike oil in its first well in a highly anticipated project near the coast of Brazil, another attempt to expand its South American oil production. A week earlier, Murphy Oil, one of Exxon's partners in the project, had told investors[24] that the oilfield could hold up to a billion barrels of oil (about a tenth of the amount believed to be in the oilfield in Guyana's waters). An Exxon spokesperson told[25] Bloomberg the company will 'continue to integrate the data' from that dry hole 'in order to better understand the exploration potential' in Brazil.

Meanwhile, company executives sought to frame Exxon's $10 billion investment in the Yellowtail offshore drilling project in Guyanese waters as part of the 'energy transition,' a phrase that's commonly used to refer to the shift away from fossil fuels to renewables.

'Yellowtail's development further demonstrates the successful partnership between ExxonMobil and Guyana, and helps provide the world with another reliable source of energy to meet future demand and ensure a secure energy transition,' Liam Mallon, president of ExxonMobil Upstream Company, said in a statement[26]. 'We are working to maximize benefits for the people of Guyana and increase global supplies through safe and responsible development on an accelerated schedule.'

But such statements are coming under increased scrutiny on the global stage. In his speech reacting to the ***IPCC*** report, the UN's Guterres faulted politicians and business management alike for their roles in continuing to promote fossil fuels while paying lip service to energy transitions. 'Some government and business leaders are saying one thing - but doing another,' he said. 'Simply put, they are lying. And the results will be catastrophic.'

[ 1]: [*https://www.desmog*](https://www.desmog) .com/2022/04/05/exxonmobil-10-billion-guyana-drill-oil-***ipcc***/ [ 2]: [*https://www.flickr.com/photos/royluck/7005519117/in/photolist-bF47Ln-bs9dvs-bF43Rt-bs9dsU-bs9cpo-bF46n6-bF46Ak-bs9cmd-bF46iH-bs9daN-bs995o-bF43bv-9qRX58-FzHQPT-9qS1qx-9qUYW1-9qRZbi-Gqw91N-bF46sv-2jfmwZg-bF455B-bF47b2-bs9cAC-bF47jk-bs9dkU-9qS11X-9qRVZi-bF47mD*](https://www.flickr.com/photos/royluck/7005519117/in/photolist-bF47Ln-bs9dvs-bF43Rt-bs9dsU-bs9cpo-bF46n6-bF46Ak-bs9cmd-bF46iH-bs9daN-bs995o-bF43bv-9qRX58-FzHQPT-9qS1qx-9qUYW1-9qRZbi-Gqw91N-bF46sv-2jfmwZg-bF455B-bF47b2-bs9cAC-bF47jk-bs9dkU-9qS11X-9qRVZi-bF47mD) [ 3]: [*https://creativecommons.org/licenses/by/2.0/*](https://creativecommons.org/licenses/by/2.0/) [ 4]: 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[***How is Nuclear a Solution to the IPCC's Latest Findings? ...***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6561-GD31-F03R-N416-00000-00&context=1516831)

Newstex Blogs

NEI

April 8, 2022 Friday 8:25 PM EST

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**Body**

Apr 08, 2022( NEI: [*https://www.nei.org/news*](https://www.nei.org/news) Delivered by Newstex)

The United Nations' Intergovernmental Panel on Climate Change, the world's leading authority on climate research, released a report[1] this week on the mitigation of climate change that includes nuclear energy in pathways to net zero.

Last year's ***IPCC*** report[2] alerted a 'code red for humanity,' and as we said in 'What's Next for Nuclear in 2022?'[3], the ***IPCC*** reports released this year will continue to inform countries' actions to address the climate crisis.

While the report continues to drive home the message that human-induced climate change is rapid, intensifying, and a threat to our planet, it also focuses on the solutions that policymakers still have time to act on.

The authors of the report conclude that 'nearly all electricity in pathways likely limiting warming to 2℃ or below is from low or no carbon technologies, with different shares of nuclear, biomass, non-biomass renewables, and fossil CCS across pathways.'

This report shows what our options are, and it focuses on two key points:

We have the tools we need to make a difference in global emissions. We need to decarbonize beyond the electricity sector.

Nuclear is Crucial to Decarbonization

The ***IPCC*** report joins a growing list of policy frameworks, both domestic and international, that underscore the essential role nuclear energy will play in decarbonization. Nuclear, which provides carbon-free energy 24/7/365, paired with wind, solar, and energy storage, can achieve a reliable, affordable, low-carbon energy system.

Nuclear is our second-largest electric source as it accounts for 20 percent of total U.S. electricity generation and more than 50 percent of our carbon-free electricity. Advanced nuclear is poised to provide the next generation of nuclear technologies, and as states[4] and utilities across the country look to reduce their dependence on fossil fuels, they're looking at new nuclear.

It's not just at home—countries across the globe are realizing that they can't reach their net zero goals without nuclear energy. Consistent with the landmark 2018 ***IPCC*** report, the authors of the latest report found that holding a global average temperature increase to 1.5℃ requires a doubling of global nuclear energy generation by 2050.

As countries strive to achieve energy independence and security, many continue to recognize that reliable, carbon-free nuclear energy is crucial to their future energy grid, as evidenced by the growing number of countries including nuclear energy in their Long-Term Climate Strategies submitted to the United Nations Framework Convention on Climate Change.

The Czech Republic is pursuing a multi-billion-dollar reactor project that will be the single largest investment in the country's history. Meanwhile, Belgium is extending their original nuclear plans and keeping their reactors online for another 10 years. France has plans to build 14 next-generation reactors. And these are just a few of many examples.

Global markets are reflecting this robust, international interest in nuclear power. The ***IPCC*** found that global investments in nuclear energy generation are projected to average well over $100 billion per year through mid-century.

'As countries strive to achieve energy independence, many are turning to reliable, carbon-free nuclear energy,' said John Kotek[5], senior vice president of policy development and public affairs at the Nuclear Energy Institute.

'U.S. nuclear energy innovators are well positioned to capture a sizeable share of this market, particularly as the Russian assault on Ukraine has highlighted the necessity of energy security and reliance on trustworthy energy partners.'

Decarbonizing Beyond Electricity

The ***IPCC*** report also emphasizes that it is crucial to decarbonize entire economies, not just the electricity sector. Nuclear can help us get there.

Industrial processes and transportation sectors make up 45% percent of global greenhouse gas emissions. These industries require large amounts of energy from clean, reliable sources. Both current and advanced reactors are well positioned to meet this demand.

Not only can nuclear designs produce carbon-free hydrogen to create clean fuels, but advanced reactors can also decarbonize heavy industrial processes with advancements in heat, size, and efficiency, which can revolutionize processes like steelmaking and transportation for ships and aircraft.

Both the Biden Administration and Congress see the long-term potential in carbon-free hydrogen production. That is why the bipartisan infrastructure package[6] included a demonstration program for Regional Clean Hydrogen Hubs. This initiative builds on a project already underway to demonstrate hydrogen productions at an existing nuclear power plant.

Nuclear energy has a proven track record of decarbonization, and new nuclear will be key to our clean energy future—both for electricity and beyond.

[ 1]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 2]: [*https://www.nei.org/news/2021/nuclear-can-help-us-avoid-the-worst-case-scenario*](https://www.nei.org/news/2021/nuclear-can-help-us-avoid-the-worst-case-scenario) [ 3]: [*https://www.nei.org/news/2022/whats-next-for-nuclear-in-2022*](https://www.nei.org/news/2022/whats-next-for-nuclear-in-2022) [ 4]: [*https://www.nei.org/news/2022/states-pursue-nuclear-energy-transition-approaches*](https://www.nei.org/news/2022/states-pursue-nuclear-energy-transition-approaches) [ 5]: [*https://www.nei.org/news/2022/****ipcc****-report-finds-key-role-for-nuclear*](https://www.nei.org/news/2022/ipcc-report-finds-key-role-for-nuclear) [ 6]: [*https://www.nei.org/news/2021/infrastructure-package-major-investments-nuclear*](https://www.nei.org/news/2021/infrastructure-package-major-investments-nuclear)

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[***Narrow path to avoid catastrophic climate change: IPCC***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6556-XJ61-F03R-N0KF-00000-00&context=1516831)

Newstex Blogs

The Third Pole

April 5, 2022 Tuesday 8:12 AM EST

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**Length:** 1291 words

**Byline:** Joydeep Gupta

**Body**

Apr 05, 2022( The Third Pole: [*https://www.thethirdpole.net/en*](https://www.thethirdpole.net/en)/ Delivered by Newstex)

The latest report by the Intergovernmental Panel on Climate Change (***IPCC***), a group of the world's premier experts on the subject, holds out a slim hope of avoiding catastrophic climate change. It is technically feasible for global greenhouse gas (GHG) emissions to peak by 2025 and reduce by 43% by 2030, according to the report[1] of ***IPCC*** working group III. That gives the world a chance to keep global warming within 1.5 degrees Celsius from pre-industrial days. But past actions have been disappointing. UN Secretary General Antonio Guterres called them 'a litany of broken climate promises'. Recommended The last decade, which should have seen the most urgent action, has seen the highest ever emissions instead. About 17% of total global emissions since 1850, or approximately 410 GtCO2, happened in 2010-19. This has led to warming the atmosphere, and increased the frequency and violence of storms, floods, droughts, wildfires, sea level rise, receding of glaciers and other disasters. Guterres called the report 'a file of shame, cataloguing the empty pledges that put us firmly on track towards an unliveable world'.

1850

Global temperature increase is measured from 1850 as the benchmark year. The current global temperatures are 1.17 degrees Celsius higher than in 1850. Humans have also emitted approximately 2,400 gigatonnes of CO2 (GtCO2) into the atmosphere during this period.

The report's summary for policymakers was finalised more than two days behind schedule as representatives of some of the world's 195 governments fought tooth and nail to water it down. According to participants who requested anonymity, delegates from India insisted that the 'right to development' of low-income countries, and promises broken by rich countries be included in the summary. Rich countries are responsible for most of the emissions since 1850, leaving little space in the 'carbon budget' of the world to power their growth. Simultaneously, rich countries have failed to provide promised finances to poor countries that would help them shift to greener growth trajectories. Can renewables save us from catastrophic climate change? There is good news, especially in the rapid expansion of solar, wind and other renewable energy sources. 'Unit costs of several low-emission technologies have fallen continuously since 2010,' the report says, in some cases by up to 85%. Working group III Co-Chair Jim Skea says the annual rate of emissions growth has come down from 2.1 to 1.3% in the decade of 2010-2019.

***IPCC*** chair Hoesung Lee says, 'There are policies, regulations and market instruments that are proving effective. If these are scaled up and applied more widely and equitably, they can support deep emissions reductions and stimulate innovation.'

Still, current emission control pledges are grossly inadequate, the report points out. They would lead to a world 3.2 degrees Celsius warmer by 2100. The world is now 1.17 degrees Celsius hotter, and the impacts are already devastating. The ***IPCC*** says unless steps are taken now, it will require more mitigation at higher cost after 2030 to keep average temperature rise within 2 degrees Celsius. Recommended To keep warming within 1.5 degrees Celsius, global carbon dioxide emissions must reach net zero in the early 2050s. To keep it within 2 degrees, they must reach net zero in the early 2070s. These pathways include carbon dioxide removal[2] (CDR) from the atmosphere. Methods to do so include the controversial carbon capture and storage which is still not commercially viable or bio energy carbon capture and storage (BECCS) which may take land away from food crops.

What is net zero?

Net zero is when the total emissions - such as by transport - are balanced by absorption of GHGs, either by natural factors, such as forests, or by technological efforts, such as carbon capture and storage.

This is the sixth round of reports since the birth of the ***IPCC***, and this time there is emphasis on managing energy demand. Joyashree Roy of the Asian Institute of Technology, another coordinating lead author of the report, points out, 'Demand management can account for 66% of the emissions'. This would include steps such as switching off gadgets not in use, to using public transport and electric vehicles that are powered by renewable energy. Cities account for two-third of global GHG emissions, but can do a lot by planting trees, reviving waterbodies and providing public transport that is safe and comfortable. Everything is connected Looking at climate mitigation as a standalone activity of one or two ministries is not going to solve the problem, points out Navroz Dubash, coordinating lead author of a chapter in the report. 'These are complex governance challenges working across ministries and across scales. You have to look at transitional and distributional justice and sustainability, rather than addressing mitigation by itself.'

Roy referred to 'good practice examples' from India - access to clean cooking fuel across the country, and significant public transport improvement in the city of Kolkata in consultation with commuters that has led to emission reductions.

Working group III co-chair Priyadarshi Shukla of the Indian Institute of Management, Ahmedabad, says, 'Having the right policies, infrastructure and technology in place to enable changes to our lifestyles and behaviour can result in a 40-70% reduction in greenhouse gas emissions by 2050. This offers significant untapped potential. The evidence also shows that these lifestyle changes can improve our health and wellbeing.'

There will be consequences of moving away from fuels sources such as coal, oil and gas. We do not need to just avoid catastrophic climate change, but there needs to be a 'just transition' that will address issues of equity and employment. Dubash says such a transition will have to be worked out by national and local governments, because the situation is not the same in all countries. 'Just transition away from coal will not be the same in India, South Africa and Australia.' The report says, 'Broad and meaningful participation of all relevant actors in decision-making at all scales can build social trust and deepen and widen support for transformative changes.'

[ 1]: [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_FinalDraft\_FullReport.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_FinalDraft_FullReport.pdf) [ 2]: [*https://www.thethirdpole.net/en/climate/how-carbon-removal-could-help-prevent-climate-catastrophe/*](https://www.thethirdpole.net/en/climate/how-carbon-removal-could-help-prevent-climate-catastrophe/)

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[***IPCC report calls for 'immediate and deep' carbon cuts to slow climate change***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6556-XJ61-F03R-N12J-00000-00&context=1516831)

Newstex Blogs

Mongabay News

April 5, 2022 Tuesday 8:11 AM EST

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**Length:** 2134 words

**Byline:** John Cannon

**Body**

Apr 05, 2022( Mongabay News: [*http://news.mongabay.com*](http://news.mongabay.com) Delivered by Newstex)

A new report from the United Nations' Intergovernmental Panel on Climate Change (***IPCC***) finds that the world could face a more than 3 Celsius (5.4 Fahrenheit) increase in the global average temperature over pre-industrial levels based on current carbon emissions.However, the authors of the report say investment in renewable energy, green building and responsible land use could lower emissions enough to stay below an increase of 1.5C (2.7F), a target identified at the 2015 U.N. climate conference that scientists predict would avoid the worst impacts of global warming.Addressing continued global carbon emissions will require trillions, not billions, of dollars in financing from public and private sources to cut emissions, the report finds.Its authors also say that including Indigenous and local communities from the beginning in land-use decisions aimed at climate change mitigation is critical. Current pledges to cut emissions won't be enough to slow climate change, according to a new report[1] from the United Nations' Intergovernmental Panel on Climate Change (***IPCC***).

U.N. Secretary-General António Guterres said this report, which focuses on the mitigation of human-caused global warming, catalogs 'a litany of broken climate promises.'

'We are on a fast track to climate disaster,' Guterres said at an April 4 press conference. The world is on track to see a rise in the average global temperature over the pre-industrial level of 'more than double' the 1.5 Celsius (2.7 Fahrenheit) target agreed to in the 2015 Paris climate agreement and reaffirmed at the 2021 U.N. climate conference in Glasgow, Scotland, he said.

Global net anthropogenic greenhouse gas emissions (gigaton of CO2-equivalent/year) 1990-2019. Image courtesy of the ***IPCC***.

The report, which involved the collaboration of 278 authors from 65 countries, draws from more than 18,000 scientific studies. The research shows that global carbon emissions continue to rise. In 2019, emissions were 12% higher than in 2010 and more than 50% higher than 1990 levels, said Jim Skea, co-chair of the working group that produced the report.

'The reality is the greenhouse gases emissions, which are causing global warming, are at their highest levels in human history,' Skea, who is based at Imperial College London, said at the press conference. 'Our assessment concludes that unless there are immediate and deep emission reductions across all sectors, limiting warming to 1.5 will be beyond reach.'

This report is the third released by the ***IPCC*** in the past eight months. The group plans to release its sixth assessment later this year that will bring together these mitigation-focused findings with those from an August 2021 report[2] detailing the role of humans in climate change and a report on climate change adaptation and vulnerability[3] published in February 2022.

The April 4 report indicates that global emissions must top out by 2025 and be cut by 43% by 2030 to have a chance of staying under that 1.5C target. Ultimately, the world will need to reach net-zero carbon emissions by the early 2050s, scientists say, which is the point at which the global temperature will stop rising.

Policies enacted by some governments have resulted in avoided emissions, ***IPCC*** chair Hoesung Lee said.

An oil palm nursery and processing facility in Indonesia. 'The reality is the greenhouse gases emissions, which are causing global warming, are at their highest levels in human history,' said Jim Skea, co-chair of the working group that wrote the report. Image by Rhett A. Butler/Mongabay.

'I am encouraged by climate action being taken in many countries,' Lee said in a statement. 'If these are scaled up and applied more widely and equitably, they can support deep emissions reductions and stimulate innovation.'

Reaching those reduction goals will require sweeping and immediate action across a variety of sectors, the report says. Renewable energy from wind and the sun and stored in batteries must replace carbon-emitting fossil fuels. The cost of these technologies has come down dramatically in the past decade, research shows, with the potential to reduce the carbon footprint of powering homes, businesses and transportation. Lifestyle changes, such as walking and bicycling more, could also contribute significantly to reducing the release of carbon.

The authors also call for a shift toward climate-friendly construction of buildings that use less energy and emit less carbon. Cities, too, should be built to minimize emissions and begin to remove carbon from the atmosphere through the inclusion of green roofs, lakes and trees.

The land-use sector, including agriculture and forestry, has a strong and potentially climate-positive role to play, with the proper management, said Diana rge-Vorsatz, co-chair of this working group and a professor at Central European University in Hungary.

'We show that actually, restoration of the ecosystems and preserving some of the land in its original ecosystem status is very important,' rge-Vorsatz said at the press conference.

The report notes that although better land-use decisions can cut emissions and help pull carbon from the atmosphere, they 'cannot fully compensate for delayed action in other sectors.'

Global greenhouse gas emissions of modeled pathways. Image courtesy of the ***IPCC***.

rge-Vorsatz also addressed the possibility that these decisions could have negative consequences for people who depend on the land in question, including Indigenous communities.

A report[4] released in March by the World Resource Institute and the think tank Climate Focus shows that lands held by Indigenous and local communities could make substantial contributions to carbon reductions targets. Centering on four countries in Central and South America, the research found that these lands pull in about twice as much carbon per hectare as lands outside the control of these communities. The authors suggested in a March 31 press conference that laws should protect Indigenous claims to the land and that these laws must be enforced.

The ***IPCC***'s research suggests that success in mitigating climate change rests on the involvement of these communities, rge-Vorsatz said.

'The best option is to include the stakeholders from the beginning of planning these actions,' she said. She also noted the 'special wisdom' that these groups bring relating to how to manage the land for the best outcomes.

An Indigenous woman sells fruit from the canangucha palm in Putumayo, Colombia. Authors of the report say that including Indigenous and local communities from the beginning in land-use decisions aimed at climate change mitigation is critical. Image by HunterProducciones via Pixabay[5].

Making the required shifts in society will require money, and the report includes a chapter on financing. Money will have to come from public as well as private sources, Skea said, and amounts invested in climate mitigation must be far higher than they are today.

'The money that is needed is actually in the trillions [of dollars],' he said. 'It's not a matter of billions.'

Regardless of the challenges ahead, Skea said the path to addressing climate change requires a greater focus on stripping away carbon emissions from every layer of society.

'What we have done is set out very clearly — it's almost through the laws of physics and chemistry — that that is what would need to happen if we were to limit warming to these levels,' he said. But he and the other authors also emphasize the urgent need to act.

'The longer we put off action in terms of addressing climate change, the bigger the feasibility challenges will be,' Skea added. 'That is a very, very clear message of the report.'

Banner image of coal mining and deforestation via RawPixel[6].

John Cannon is a staff features writer with Mongabay. Find himon Twitter: @johnccannon[7]

Citation:

***IPCC*** (2022).Climate Change 2022: Mitigation of Climate Change. Contribution of Working Group III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. Retrieved from[*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-3/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-3/)[8].

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Adaptation To Climate Change[10], Carbon Emissions[11], Climate[12], Climate Change[13], Climate Change And Conservation[14], Climate Change Negotiations[15], Climate Change Policy[16], Climate Change Politics[17], climate finance[18], Climate Modeling[19], climate policy[20], Climate Politics[21], Climate Science[22], Conservation[23], Emission Reduction[24], Environment[25], Environmental Policy[26], Environmental Politics[27], Global Environmental Crisis[28], Global Warming[29], Global Warming Mitigation[30], Greenhouse Gas Emissions[31], greenhouse gases[32], Impact Of Climate Change[33], ***IPCC***[34], Mitigation[35], Pollution[36], Research[37], United Nations[38] Print[39]

[ 1]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-3/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-3/) [ 2]: [*https://news.mongabay.com/2021/08/humans-role-in-climate-warming-unequivocal-****ipcc****-report-shows/*](https://news.mongabay.com/2021/08/humans-role-in-climate-warming-unequivocal-ipcc-report-shows/) [ 3]: [*https://news.mongabay.com/2022/02/climate-change-a-threat-to-human-well-being-and-health-of-the-planet-new-****ipcc****-report/*](https://news.mongabay.com/2022/02/climate-change-a-threat-to-human-well-being-and-health-of-the-planet-new-ipcc-report/) [ 4]: [*https://news.mongabay.com/2022/04/reaching-the-paris-agreement-without-protecting-indigenous-lands-is-impossible-says-report/*](https://news.mongabay.com/2022/04/reaching-the-paris-agreement-without-protecting-indigenous-lands-is-impossible-says-report/) [ 5]: 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[***One Last #Climate Warning in New IPCC Report: 'Now or Never' — Inside Climate News #ActOnClimate #KeepItInTheGround***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656B-3ND1-JCMN-Y3MD-00000-00&context=1516831)

Newstex Blogs

Coyote Gulch

April 10, 2022 Sunday 3:45 PM EST

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**Length:** 766 words

**Byline:** Coyote Gulch

**Body**

Apr 10, 2022( Coyote Gulch: https://coyotegulch.blog/ Delivered by Newstex)

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/02/sunlight-morning-smoke-fire-glow-burn-1356678-pxhere.com-bitteroot-river-jahn-maccolgan.jpg?ssl=1A*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/02/sunlight-morning-smoke-fire-glow-burn-1356678-pxhere.com-bitteroot-river-jahn-maccolgan.jpg?ssl=1A) forest fire next to the Bitterroot River in Montana. UCLA-led research revealed that larger fires tend to be followed by larger increases in streamflow. | Photo by John MacColgan/Creative Commons

Click the link to read the article on the Inside Climate News website[1] (Bob Berwyn). Here's an excerpt:

The world will probably burn through its carbon budget before the global climate panel issues its next update on mitigation

Whatever words and phrases the Intergovernmental Panel on Climate Change may have been parsing late into Sunday night, its new report, issued Monday, boils down to yet another dire scientific warning. Greenhouse gas emissions need to peak by 2025 to limit global warming close to 1.5 degrees Celsius (2.7 degrees Fahrenheit), as targeted by the Paris Agreement, the report says. In a way, it's a final warning, because at the ***IPCC***'s pace, the world most likely will have burned through its carbon budget by the time the panel releases its next climate mitigation report in about five or six years. Even with the climate clock so close to a deadline, it's not surprising that the ***IPCC*** struggled to find consensus during the two-week approval session, said Paul Maidowski, an independent Berlin-based climate policy researcher and activist. The mitigation report may be the most challenging of the three climate assessments that are done every five to seven years under the United Nations Framework Convention on Climate Change, he said.

The first two reports of each ***IPCC*** assessment cycle, one on the physical basis of climate science, and another about impacts and adaptation, are mostly based on unyielding physics, like how much global temperature goes up for every added increment of CO2, and how fast and high sea level will rise based on that warming.

But the mitigation report, which outlines choices society can make to affect the trajectory of climate change, has to reconcile those scientific realities with economic and political assumptions that are not constrained by physics, Maidowski said. Other researchers have described the ***IPCC*** report as a mechanism to determine what is politically possible, he added. If those assumptions—for example about future availability of carbon dioxide removal technology—don't materialize, 'then you are left with illusions, essentially,' he said. The ***IPCC*** has 'blinded itself' to deeper questions of sustainability and is thus asking the wrong questions, like how to decouple economic growth from greenhouse gas emissions, he added. Instead, it should be more up front about acknowledging the physical limits of the planet, and start asking how to downscale current resource consumption to a sustainable level.

The report found that 'without immediate and deep emissions reductions across all sectors, limiting global warming to 1.5C is beyond reach.'

On the hopeful side, the panel noted that renewable energy costs have dropped by as much as 85 percent in the past decade, and that new policies in many countries have accelerated deployment of wind and solar power.

[ 1]: [*https://insideclimatenews.org/news/05042022/****ipcc****-report-climate-change/*](https://insideclimatenews.org/news/05042022/ipcc-report-climate-change/)

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**Load-Date:** April 10, 2022

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[***New UN IPCC report claims 'Now or Never' to flight climate - That's an easy choice - NEVER! - More tipping points - Point-by-point rebuttal***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656F-CD21-JCMN-Y3CW-00000-00&context=1516831)

Newstex Blogs

Watts Up With That?

April 11, 2022 Monday 1:06 AM EST

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**Length:** 1652 words

**Byline:** Guest Blogger

**Body**

Apr 11, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

From Climate Depot[1]

By:Marc Morano[2]-Climate Depot[3]

***IPCC*** climate change report headline viaAFP[4]:Scientists warn it's now or never to limit global warming -The boss of the United Nations has erupted at world leaders as scientists warn the planet is in peril unless urgent action is taken.

UN Claim:'Humans have less than three years to halt the rise of planet-warming carbon emissions and less than a decade to slash them by nearly half, UN climate experts said. It's a last-gasp race to ensure the world has a 'liveable future'.

'It's now or never, if we want to limit global warming to 1.5C,' said Jim Skea, a professor at Imperial College London and co-chair of the working group behind the report.

Climate Depot Response:'#8216;Now or Never' again?! Easy choice, NEVER!' See: Earth 'serially doomed': The official history of climate 'Tipping Points' began in 1864[5]

[*http://www.climatedepot.com/wp-content/uploads/2022/04/Screen-Shot-2022-04-06-at-6.57.45-AM.png*](http://www.climatedepot.com/wp-content/uploads/2022/04/Screen-Shot-2022-04-06-at-6.57.45-AM.png)

AFP[6]: UN Claim: UN Secretary-General Antonio Guterres said: 'Some government and business leaders are saying one thing, but doing another. Simply put: They are lying. And the results will be catastrophic.'

Greenpeace co-founder Dr. Patrick Moore:[7]'Absolutely nothing in this ***IPCC*** report is true. It is all fake and threatens the existence of civilization, especially the West because the East and the South don't buy it. We must reject it or face the consequences. Celebrate CO2!!'

UN Claim:'The ***IPCC*** made clear that individuals can also make a big differenceCutting back on long-haul flights, switching to plant-based diets, climate-proofing buildings and other ways of cutting the consumption'

Climate Depot Response:'Ignore the UN's promotion of energy lockdowns to 'fight' climate change. More restrictions on plentiful energy to turn peoples' lives into micromanaged deprivation all in the service of some cultish climate goals. See:Intl Energy Agency report urges ENERGY LOCKDOWNS: 'Banning use of private cars on SundaysReducing highway speed limitsmore working from homecutting business air travel' & SUV 'tax'[8]UN Claim:Olha Boiko, an activist from the Climate Action Network, based in Ukraine, said: 'The money, that we begged not to invest in dirty energy, is now flying over our heads in the form of bombs.'

Climate Depot Response:'Let's rework Boiko's claim into a true statement: Accurate revision: 'The money, that we begged the U.S. & Europe not to invest in unreliable solar and wind that produces very little energy compared to fossil fuels, is now flying over our heads in the form of bombs because Europe and the U.S. had to rely on Russia's fossil fuels and thus fund Putin's war machine.'

#

Full article from AFB below:

AFP[9]:The UN has blasted 'lying' politicians, as it reports the world is rapidly running out of time to avoid the 'catastrophic' impacts of climate change.

Humans have less than three years to halt the rise of planet-warming carbon emissions and less than a decade to slash them by nearly half, UN climate experts said.

It's a last-gasp race to ensure the world has a 'liveable future'.

And it's a daunting task that is - only just - still possible.

But current policies are leading the planet towards 'catastrophic' temperature rises, with politicians and business leaders coming under fire for 'lying' about the action they are taking to deal with climate change, the UN's Intergovernmental Panel on Climate Change (***IPCC***) said.

UN Secretary-General Antonio Guterres said: 'Some government and business leaders are saying one thing, but doing another. Simply put: They are lying. And the results will be catastrophic.'

Future of the world in the balance

The 2800-page report is by far the most comprehensive assessment of how to halt global heating ever produced.

But it also documents 'a litany of broken climate promises', Mr Guterres said in a blistering rebuke of governments and industry.

The world's nations, the report said, are taking our future right to the wire.

In recent months, the ***IPCC*** published the first two instalments in a trilogy of mammoth scientific assessments covering how greenhouse gas emissions are heating the planet and what that means for life on Earth.

This third report outlines what we can do about it.

'We are at a crossroads,' ***IPCC*** chief Hoesung Lee said.

'The decisions we make now can secure a liveable future. We have the tools and know-how required to limit warming.'

US Secretary of State Antony Blinken said these tools 'are firmly within our grasp'.

'Nations of the world must be brave enough to use them,' he said.

The solutions touch on virtually all aspects of modern life, require significant investment and need 'immediate action', the ***IPCC*** said.

The very first item on the global to-do list is to stop greenhouse gas emissions from rising any further.

'It's now or never, if we want to limit global warming to 1.5C,' said Jim Skea, a professor at Imperial College London and co-chair of the working group behind the report.

'Without immediate and deep emissions reductions across all sectors, it will be impossible.'

Slashing coal, oil, gas

To do that, the world must radically reduce the fossil fuels which are responsible for the lion's share of emissions.

Nations should stop burning coal completely and cut oil and gas use by 60 and 70 per cent respectively to keep within the Paris goals, the ***IPCC*** said, noting that both solar and wind were now cheaper than fossil fuels in many places.

But just cutting emissions is no longer enough, the ***IPCC*** said.

Technologies to suck CO2 out of the atmosphere - not yet operating to scale - will need to be ramped up enormously.

While government policies, investments and regulations will propel emissions cuts, the ***IPCC*** made clear that individuals can also make a big difference.

Cutting back on long-haul flights, switching to plant-based diets, climate-proofing buildings and other ways of cutting the consumption that drives energy demand could reduce greenhouse gas emissions 40 to 70 per cent by 2050.

Those with the most, also pollute the most, the report said. Households whose income is in the top 10 per cent globally - two-thirds of whom are in developed countries - emit up to 45 per cent of carbon pollution.

'Individuals with high socio-economic status contribute disproportionately to emissions and have the highest potential for emissions reductions - as citizens, investors, consumers, role models and professionals,' the ***IPCC*** said.

With war in Ukraine spurring efforts to transition away from Russian oil and gas in the West, observers said the report should sharpen nations' focus on climate commitments.

More Coverage

Eye-watering cost of fossil fuels revealed Grim sign as 'point of no return' approaches 'It is heartbreaking for me, as a Ukrainian climate activist, to be living through a war which has fossil fuel money at its core,' Olha Boiko, an activist from the Climate Action Network, based in Ukraine, said.

'The money, that we begged not to invest in dirty energy, is now flying over our heads in the form of bombs.'

Article Rating

[ 1]: [*https://www.climatedepot.com/2022/04/06/new-un-****ipcc****-report-claims-more-tipping-points-now-or-never-to-flight-climate-thats-an-easy-choice-never-point-by-point-rebuttal/*](https://www.climatedepot.com/2022/04/06/new-un-ipcc-report-claims-more-tipping-points-now-or-never-to-flight-climate-thats-an-easy-choice-never-point-by-point-rebuttal/) [ 2]: [*https://www.climatedepot.com/author/marcmorano/*](https://www.climatedepot.com/author/marcmorano/) [ 3]: [*http://www.climatedepot.com*](http://www.climatedepot.com)/ [ 4]: [*https://www.news.com.au/technology/environment/climate-change/****ipcc****-climate-change-report-scientists-warn-its-now-or-never-to-limit-global-warming/news-story/60510dac1cad98afe670b4256f23e1be*](https://www.news.com.au/technology/environment/climate-change/ipcc-climate-change-report-scientists-warn-its-now-or-never-to-limit-global-warming/news-story/60510dac1cad98afe670b4256f23e1be) [ 5]: [*https://www.climatedepot.com/2019/01/22/earth-serially-doomed-the-official-history-of-climate-tipping-points-began-in-1864-a-new-global-warming-12-year-deadline-from-rep-osasio-cortez/*](https://www.climatedepot.com/2019/01/22/earth-serially-doomed-the-official-history-of-climate-tipping-points-began-in-1864-a-new-global-warming-12-year-deadline-from-rep-osasio-cortez/) [ 6]: [*https://www.news.com.au/technology/environment/climate-change/****ipcc****-climate-change-report-scientists-warn-its-now-or-never-to-limit-global-warming/news-story/60510dac1cad98afe670b4256f23e1be*](https://www.news.com.au/technology/environment/climate-change/ipcc-climate-change-report-scientists-warn-its-now-or-never-to-limit-global-warming/news-story/60510dac1cad98afe670b4256f23e1be) [ 7]: [*https://twitter.com/EcoSenseNow/status/1511567251748630530?ref\_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E1511567251748630530%7Ctwgr%5E%7Ctwcon%5Es1\_&ref\_url=https%3A%2F%2Fwww.climatedepot.com%2Fwp-admin%2Fpost-new.php*](https://twitter.com/EcoSenseNow/status/1511567251748630530?ref_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E1511567251748630530%7Ctwgr%5E%7Ctwcon%5Es1_&ref_url=https%3A%2F%2Fwww.climatedepot.com%2Fwp-admin%2Fpost-new.php) [ 8]: [*https://www.climatedepot.com/2022/03/18/international-energy-agency-report-urges-energy-lockdowns-due-to-russian-war-banning-use-of-private-cars-on-sundays-reducing-highway-speed-limits-more-working-from-home-cutting-business-air-t/*](https://www.climatedepot.com/2022/03/18/international-energy-agency-report-urges-energy-lockdowns-due-to-russian-war-banning-use-of-private-cars-on-sundays-reducing-highway-speed-limits-more-working-from-home-cutting-business-air-t/) [ 9]: [*https://www.news.com.au/technology/environment/climate-change/****ipcc****-climate-change-report-scientists-warn-its-now-or-never-to-limit-global-warming/news-story/60510dac1cad98afe670b4256f23e1be*](https://www.news.com.au/technology/environment/climate-change/ipcc-climate-change-report-scientists-warn-its-now-or-never-to-limit-global-warming/news-story/60510dac1cad98afe670b4256f23e1be)

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**Load-Date:** April 10, 2022

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[***Saudi Arabia dilutes fossil fuel phase out language with techno fixes in IPCC report***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BCF1-F03R-N1DY-00000-00&context=1516831)

Newstex Blogs

Climate Home News

April 4, 2022 Monday 4:06 PM EST

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**Length:** 1133 words

**Byline:** Chlo Farand

**Body**

Apr 04, 2022( Climate Home News: [*http://www.climatechangenews.com*](http://www.climatechangenews.com) Delivered by Newstex)

Saudi Arabia watered down a major UN climate science report by pushing for the use of unproven technologies that would allow the continued extraction of oil and gas, sources close to the negotiations have told Climate Home News.

The Intergovernmental Panel on Climate Change (***IPCC***)'s latest report focuses on how to halt global heating below 2C and to 1.5C in line with the Paris Agreement. While it deals with solutions, this is the most politically sensitive part of the ***IPCC***'s three-part assessment.

Publication was delayed by six hours on Monday following a marathon 40-hour session over the weekend for scientists and government representatives to finalise its summary for policymakers - the longest approval plenary in the ***IPCC***'s 34-year history.

The document concludes 'a substantial reduction in overall fossil fuel use' is needed to tackle the climate crisis. But compared to earlier drafts, there is a much stronger emphasis on technologies to capture and store carbon dioxide underground (CCS) as a potential solution that extends the lifespan of coal, oil and gas infrastructure.

Saudi Arabia, one of the world's largest oil producers and exporters, successfully argued for the repeated inclusion of references to CCS, which remains unproven at commercial scale. Opposition from European nations wasn't enough to prevent a weakening of language on the need to phase out coal, oil and gas.

CCS and other carbon dioxide removal practices have become 'the escape hatch for the fossil fuel industry,' one source told Climate Home. The negotiations are closed to media.

Five takeaways from the ***IPCC***'s report on limiting dangerous global heating[1]

Wrangling over this and other issues made the summary longer. In total, 22 pages were added compared to a draft dated 16 March seen by Climate Home News - taking it from 41 to 63 pages.

Language on risks and feasibility concerns about carbon dioxide removal techniques was toned down. References to shifting away from coal, oil and gas were qualified with the word 'unabated' and 'fossil fuels with CCS' was identified as a way to cut emissions in line with global climate goals.

A whole section was introduced on CCS, describing the technology as 'an option' to cut emissions from fossil fuel use and in the industry sector. It notes that CCS has the capacity to store more carbon under ground that what is needed by 2100 to limit warming to 1.5C, albeit with some regional limitations.

And the report makes clear that CCS technology is the way to keep the oil and gas industry alive: 'Depending on its availability, CCS could allow fossil fuels to be used longer, reducing stranded assets,' it states.

Saudi Arabia gets more than half its government revenue[2] from the oil and gas sector. In recent years, the Kingdom has promoted the concept of a 'circular carbon economy[3]', advocating for technological solutions that would cut emissions while allowing it to continue to extract and sell its oil for decades to come.

In the negotiations, Saudi Arabia was isolated on the issue. But its vocal position may have provided cover for others with similar views.

'The US was silent on CCS,' Teresa Anderson, climate justice lead at ActionAid International, told Climate Home. 'It really seemed like they were happy to let Saudi Arabia be the bad guys.'

Anderson added: 'The ***IPCC*** report delivers a clear warning that reliance on technofixes and tree plantations to solve the problem not only amount to wishful thinking, but would drive land conflicts and harm the food, ecosystems and communities already hardest hit by the climate crisis.'

The Center for International Environmental Law (CIEL) denounced the outcome of the negotiations as 'de-emphasising' the risks and uncertainty of carbon dioxide removal techniques while 'overwhelmingly rely[ing] on technologies that pose grave threats to people and the environment'.

'States may water down the text but they cannot mask this clear scientific reality: only a rapid and equitable phaseout of fossil fuels, and the transformation of our energy system, can avoid overshooting 1.5C and the irreparable damage that would follow,' said Nikki Reisch, climate and energy programme director at CIEL.

Breakdown of recent average (downstream) mitigation investment flows and modelled investment needs until 2030 in scenarios likely to limit warming to below 2. The figure was deleted from the summary for policymakers after a dispute between the US and China (Source: draft ***IPCC*** WGIII report)

Another point of contention between the US and China was the scale of the funding gap for developing countries to cut emissions compared to wealthier ones.

The issue flared over a figure detailing the finance gap by sector and for developed and developing countries. It showed that developing countries need on average four to seven times more mitigation finance per year to 2030 to align with pathways that limit warming to below 2C - an upper range of approximately $2.8 trillion.

The US opposed the distinction between developed and developing countries in the graph - a red line for China. The figure was eventually deleted from the summary but remains in the underlying report.

[ 1]: [*https://www.climatechangenews.com/2022/04/04/five-takeaways-from-the-ipccs-report-on-limiting-dangerous-global-heating*](https://www.climatechangenews.com/2022/04/04/five-takeaways-from-the-ipccs-report-on-limiting-dangerous-global-heating) [ 2]: [*https://www.eia.gov/international/overview/country/SAU*](https://www.eia.gov/international/overview/country/SAU) [ 3]: [*https://climatechangenews.com/2020/11/23/saudis-europeans-reach-compromise-climate-g20-projects-unity/*](https://climatechangenews.com/2020/11/23/saudis-europeans-reach-compromise-climate-g20-projects-unity/)

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[***IPCC calls for immediate and deep cuts in emissions to save the planet***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6555-K8N1-JCMN-Y1W2-00000-00&context=1516831)

Newstex Blogs

The Hindu Business Line

April 5, 2022 Tuesday 12:11 AM EST

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**Length:** 868 words

**Body**

Apr 04, 2022( The Hindu Business Line: [*http://www.thehindubusinessline.com*](http://www.thehindubusinessline.com)/ Delivered by Newstex)

Chennai, April 4 STATES

A report of the Intergovernmental Panel on Climate Change (***IPCC***), released on Monday, has called for 'immediate and deep emission reductions across all sectors' to limit the rise in global warming to 1.5C above pre-industrial levels (1850-1900).

The report by the Working Group III deals with 'mitigation'. The previous two reports, of Working Groups I and II — released last year and earlier this year — dealt with 'physical science basis' for climate action and 'adaptation', which refers to measures that are to be taken to cope with climate change effects that have already become inevitable. These three form part of ***IPCC***'s 6th Assessment Report, or the 6th round of assessment; the 5th came in 2013.

'Without immediate and deep emissions reductions across all sectors, limiting global warming to 1.5C is beyond reach,' the report released today said. Emission cuts Stressing on the urgency of emission reductions, the report notes that to meet the 1.5C target, net CO2 emissions should be zero by the early 2050s. Even if the target is only 2C, global greenhouse gas emissions should not rise after 2025 (they must start falling) at the latest, and must be reduced by a quarter by 2030.

It is not as though there has been no action. The report notes that since 2010, 'There have been sustained decreases of up to 85 per cent in the costs of solar and wind energy, and batteries. An increasing range of policies and laws have enhanced energy efficiency, reduced rates of deforestation and accelerated the deployment of renewable energy.'

However, there is a need to do more. 'We have options in all sectors to at least halve emissions by 2030 Limiting global warming will require major transitions in the energy sector. This will involve a substantial reduction in fossil fuel use, widespread electrification, improved energy efficiency, and use of alternative fuels (such as hydrogen),' says ***IPCC*** Chair Hoesung Lee.

Emission reductions are possible in several areas like energy, mobility, buildings and cities, and agriculture, the report notes. 'Cities and other urban areas also offer significant opportunities for emissions reductions. These can be achieved through lower energy consumption (such as by creating compact, walkable cities), electrification of transport in combination with low-emission energy sources, and enhanced carbon uptake and storage using nature. There are options for established, rapidly growing and new cities.' Zero-carbon buildings Like cities, buildings offer a big potential to cut emissions. 'We see examples of zero energy or zero-carbon buildings in almost all climates,' says ***IPCC*** Working Group III Co-Chair Jim Skea. 'Action in this decade is critical to capture the mitigation potential of buildings.'

This involves using materials more efficiently, reusing and recycling products and minimising waste. For basic materials, including steel, building materials and chemicals, low-to zero-greenhouse gas production processes are at their pilot to near-commercial stage. This sector accounts for about a quarter of global emissions.

The report stresses that cutting emissions need not be painful; it indeed can be the beneficial. Some response options can absorb and store carbon and, at the same time, help communities limit the impacts associated with climate change. For example, in cities, networks of parks and open spaces, wetlands and urban agriculture can reduce flood risk and reduce heat-island effects.

Similarly, mitigation in industry can reduce environmental impact and increase employment and business opportunities. Electrification with renewables and shifts in public transport can enhance health, employment and equity. 'Climate change is the result of more than a century of unsustainable energy and land use, lifestyles and patterns of consumption and production,' the report says.

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[***IPCC Report Finds Key Role for Nuclear in Climate Change Mitigation ...***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BCF1-F03R-N126-00000-00&context=1516831)

Newstex Blogs

NEI

April 4, 2022 Monday 6:25 PM EST

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**Length:** 500 words

**Body**

Apr 04, 2022( NEI: [*https://www.nei.org/news*](https://www.nei.org/news) Delivered by Newstex)

Washington, D.C.—The following statement can be attributed to John Kotek, senior vice president of policy development and public affairs at the Nuclear Energy Institute[1]:

'The ***IPCC*** Working Group III report joins a growing list of studies underscoring the essential role nuclear energy will play alongside growing shares of wind, solar, and energy storage in achieving a reliable, affordable, low-carbon energy system.

'As countries strive to achieve energy independence, many are turning to reliable, carbon-free nuclear energy. This interest offers a tremendous global export opportunity for new nuclear energy systems, as evidenced by the growing number of countries including nuclear energy in their Long-Term Climate Strategies. U.S. nuclear energy innovators are well positioned to capture a sizeable share of this market, particularly as the Russian assault on Ukraine has highlighted the necessity of energy security and reliance on trustworthy energy partners.

'To continue this momentum, we need strong policies that value nuclear energy in driving global economies and place nuclear on a level playing field with wind and solar technologies. Governments should also prioritize incentives to deploy new nuclear carbon-free plants, signaling to investors and global banks the significant role of nuclear energy in meeting our carbon-reduction goals.

'On behalf of our more than 300 members, NEI looks forward to working with the Biden Administration, Congress, state policymakers, organized labor and our international partners to demonstrate next-generation nuclear energy systems and deliver them to the global marketplace.'

[ 1]: [*https://www.nei.org/about-nei/leadership/john-kotek*](https://www.nei.org/about-nei/leadership/john-kotek)

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[***'Now or never' to avoid climate catastrophe: UN***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BHS1-JCMN-Y4T8-00000-00&context=1516831)

Newstex Blogs

Al Jazeera English

April 4, 2022 Monday 6:30 PM EST

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**Length:** 939 words

**Body**

Apr 04, 2022( Al Jazeera English: [*https://www.aljazeera.com*](https://www.aljazeera.com)/ Delivered by Newstex)

Humanity has less than three years to halt the rise of planet-warming carbon emissions and less than a decade to slash them almost in half, according to a United Nations landmark report on stopping global warming and ensuring a 'liveable future'.

That daunting task is still - and only just possible, but current policies are leading the planet towards catastrophic temperature rises, the UN's Intergovernmental Panel on Climate Change (***IPCC***) said on Monday.

Despite climate change warnings issued by the ***IPCC*** since 1990, global emissions have continued to rise in the last decade, reaching their highest point in history.

Global emissions now are on track to blow past the 1.5C warming limit envisioned in the 2015 Paris Agreement and reach some 3.2C by the century's end.

The world's nations are taking our future right to the wire, the ***IPCC*** said in the 2,800-page report, pointing at measures such as drastic cuts to fossil fuel use, growing forests and eating less meat as the way out.

In recent months, the ***IPCC*** has published the first two instalments[1] in a trilogy of mammoth scientific assessments covering how greenhouse gas emissions are heating the planet and what that means for life on Earth.

According to the study, greenhouse gas emissions should be stopped from rising any further before 2025 to have a hope of keeping within even the less ambitious warming targets of the Paris deal: two degrees Celsius above preindustrial levels.

Scenarios of catastrophic 2.5C of warming also have emissions peaking within three years.

Beyond that, the report said carbon emissions need to drop 43 percent by 2030 and 84 percent by mid-century to meet the more ambitious Paris goal of 1.5C.

'It'snowornever, if we want to limit global warming to 1.5C,' said Jim Skea, a professor at Imperial College London and co-chair of the working group behind the report.

'Without immediate and deep emissions reductions across all sectors, it will be impossible.'

Cutting emissions not enough

And cutting emissions is no longer enough, the ***IPCC*** said. Technologies to suck CO2 out of the atmosphere - not yet operating to scale - will need to be ramped up enormously.

The 1.5C target is presently 'beyond reach', even with the most updated global climate pledges, the ***IPCC*** said, adding that to get there the world must radically reduce the fossil fuels behind the lion's share of emissions.

Nations should stop burning coal completely and slash oil and gas use by 60 and 70 percent respectively to keep within the Paris goals, the ***IPCC*** said.

'There is a huge potential for reducing emissions on the demand side through changes in behaviour' - #***IPCC***[2] Working Group III Vice-Chair Ramón Pichs-Madruga at today's presser for the latest #***IPCC***[3] #ClimateReport[4].

Read the report ️ [*https://t.co/mIdBKgvokW*](https://t.co/mIdBKgvokW)[5] pic.twitter.com/T6SHd5d8Xb[6]

— ***IPCC*** (@***IPCC***\_CH) April 4, 2022[7]

It warned that current fossil fuel infrastructure, if used to the end of its expected lifetime without capturing carbon emissions, would make it impossible to limit global warming to 1.5C above preindustrial levels, the ***IPCC*** said.

While government policies, investments and regulations will propel emissions cuts, the ***IPCC*** made clear that individuals can also make a big difference.

Cutting back on long-haul flights, switching to plant-based diets, climate-proofing buildings and other ways of cutting the consumption that drives energy demand could reduce greenhouse gas emissions 40 to 70 percent by 2050, it said.

'Rapid and deep changes in demand make it easier for every sector to reduce greenhouse gas emissions,' including construction, food consumption and transport, the report said.

With war in Ukraine spurring urgent efforts to transition away from Russian oil and gas in some Western countries, observers said the report should sharpen nations' focus on climate commitments.

[ 1]: [*https://www.aljazeera*](https://www.aljazeera) .com/news/2022/2/28/climate-change-could-make-world-sicker-poorer-un-report [ 2]: [*https://twitter.com/hashtag/****IPCC****?src=hash&ref\_src=twsrc%5Etfw*](https://twitter.com/hashtag/IPCC?src=hash&ref_src=twsrc%5Etfw) [ 3]: [*https://twitter.com/hashtag/****IPCC****?src=hash&ref\_src=twsrc%5Etfw*](https://twitter.com/hashtag/IPCC?src=hash&ref_src=twsrc%5Etfw) [ 4]: [*https://twitter.com/hashtag/ClimateReport?src=hash&ref\_src=twsrc%5Etfw*](https://twitter.com/hashtag/ClimateReport?src=hash&ref_src=twsrc%5Etfw) [ 5]: [*https://t.co/mIdBKgvokW*](https://t.co/mIdBKgvokW) [ 6]: [*https://t.co/T6SHd5d8Xb*](https://t.co/T6SHd5d8Xb) [ 7]: [*https://twitter.com/****IPCC****\_CH/status/1511016388596535301?ref\_src=twsrc%5Etfw*](https://twitter.com/IPCC_CH/status/1511016388596535301?ref_src=twsrc%5Etfw)

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[***United Nations #climate report: It's 'now or never' to limit #GlobalWarming to 1.5 degrees C #ActOnClimate #KeepItInTheGround***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9M51-JCMN-Y1F3-00000-00&context=1516831)

Newstex Blogs

Coyote Gulch

April 5, 2022 Tuesday 2:50 PM EST

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**Body**

Apr 05, 2022( Coyote Gulch: https://coyotegulch.blog/ Delivered by Newstex)

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/young-boy-dried-up-river-somalia-collecting-water-un-042022.jpg?ssl=1A*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/young-boy-dried-up-river-somalia-collecting-water-un-042022.jpg?ssl=1A) young boy collects what little water he can from a dried up river due to severe drought in Somalia. Credit: UNICEF/Sebastian Rich

Click here[1] to access the report.

Click the link to read the release from the ***IPCC***[2]:

The evidence is clear: the time for action is now. We can halve emissions by 2030.

GENEVA, Apr 4, 2022 - In 2010-2019 average annual global greenhouse gas emissions were at their highest levels in human history, but the rate of growth has slowed. Without immediate and deep emissions reductions across all sectors, limiting global warming to 1.5C is beyond reach. However, there is increasing evidence of climate action, said scientists in the latest Intergovernmental Panel on Climate Change (***IPCC***) report released today.

Since 2010, there have been sustained decreases of up to 85% in the costs of solar and wind energy, and batteries. An increasing range of policies and laws have enhanced energy efficiency, reduced rates of deforestation and accelerated the deployment of renewable energy.

'We are at a crossroads. The decisions we make now can secure a liveable future. We have the tools and know-how required to limit warming,' said ***IPCC*** Chair Hoesung Lee. 'I am encouraged by climate action being taken in many countries. There are policies, regulations and market instruments that are proving effective. If these are scaled up and applied more widely and equitably, they can support deep emissions reductions and stimulate innovation.'

[*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_SummaryForPolicymakers.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_SummaryForPolicymakers.pdf)

The Summary for Policymakers of the ***IPCC*** Working Group III report, Climate Change 2022: Mitigation of climate change was approved on April 4 2022, by 195 member governments of the ***IPCC***, through a virtual approval session that started on March 21. It is the third instalment of the ***IPCC***'s Sixth Assessment Report (AR6), which will be completed this year.

We have options in all sectors to at least halve emissions by 2030

Limiting global warming will require major transitions in the energy sector. This will involve a substantial reduction in fossil fuel use, widespread electrification, improved energy efficiency, and use of alternative fuels (such as hydrogen).

'Having the right policies, infrastructure and technology in place to enable changes to our lifestyles and behaviour can result in a 40-70% reduction in greenhouse gas emissions by 2050. This offers significant untapped potential,' said ***IPCC*** Working Group III Co-Chair Priyadarshi Shukla. 'The evidence also shows that these lifestyle changes can improve our health and wellbeing.'

Cities and other urban areas also offer significant opportunities for emissions reductions. These can be achieved through lower energy consumption (such as by creating compact, walkable cities), electrification of transport in combination with low-emission energy sources, and enhanced carbon uptake and storage using nature. There are options for established, rapidly growing and new cities.

'We see examples of zero energy or zero-carbon buildings in almost all climates,' said ***IPCC*** Working Group III Co-Chair Jim Skea. 'Action in this decade is critical to capture the mitigation potential of buildings.'

Click the link to read 'United Nations climate report: It's 'now or never' to limit GlobalWarming to 1.5 degrees C' on the United Nations website[3]:

A new flagship UN report on climate change out Monday indicating that harmful carbon emissions from 2010-2019 have never been higher in human history, is proof that the world is on a 'fast track' to disaster, António Guterres has warned, with scientists arguing that it's 'now or never' to limit global warming to 1.5 degrees.

Reacting to the latest findings of the Intergovernmental Panel on Climate Change (***IPCC***), the UN Secretary-General insisted that unless governments everywhere reassess their energy policies, the world will be uninhabitable.

His comments reflected the ***IPCC***'s insistence that all countries must reduce their fossil fuel use substantially, extend access to electricity, improve energy efficiency and increase the use of alternative fuels, such as hydrogen.

Unless action is taken soon, some major cities will be under water, Mr. Guterres said in a video message, which also forecast 'unprecedented heatwaves, terrifying storms, widespread water shortages and the extinction of a million species of plants and animals'.

Horror story

The UN chief added: 'This is not fiction or exaggeration. It is what science tells us will result from our current energy policies. We are on a pathway to global warming of more than double the 1.5-degree (Celsius, or 2.7-degrees Fahreinheit) limit' that was agreed in Paris in 2015.

Providing the scientific proof to back up that damning assessment, the ***IPCC*** report - written by hundreds of leading scientists and agreed by 195 countries - noted that greenhouse gas emissions generated by human activity, have increased since 2010 'across all major sectors globally'.

In an op-ed article penned for the Washington Post, Mr. Guterres described the latest ***IPCC*** report as 'a litany of broken climate promises', which revealed a 'yawning gap between climate pledges, and reality.'

He wrote that high-emitting governments and corporations, were not just turning a blind eye, 'they are adding fuel to the flames by continuing to invest in climate-choking industries. Scientists warn that we are already perilously close to tipping points that could lead to cascading and irreversible climate effects.'

Urban issue

An increasing share of emissions can be attributed to towns and cities, the report's authors continued, adding just as worryingly, that emissions reductions clawed back in the last decade or so 'have been less than emissions increases, from rising global activity levels in industry, energy supply, transport, agriculture and buildings'.

Striking a more positive note - and insisting that it is still possible to halve emissions by 2030 - the ***IPCC*** urged governments to ramp up action to curb emissions.

The UN body also welcomed the significant decrease in the cost of renewable energy sources since 2010, by as much as 85 per cent for solar and wind energy, and batteries.

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/global-net-anthopgenic-emissions-have-continued-to-risa-across-all-major-groups-of-greehouse-gases-un-042022.jpg?ssl=1A*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/global-net-anthopgenic-emissions-have-continued-to-risa-across-all-major-groups-of-greehouse-gases-un-042022.jpg?ssl=1A) new flagship UN report on climate change out Monday indicating that harmful emissions from 2010-2019 were at their highest levels in human history, is proof that the world is on a 'fast track' to disaster, António Guterres has warned. Reacting to the latest findings of the Intergovernmental Panel on Climate Change (***IPCC***), the UN Secretary-General insisted that unless governments everywhere reassess their energy policies, the world will be uninhabitable.

Encouraging climate action

'We are at a crossroads. The decisions we make now can secure a liveable future,' said ***IPCC*** Chair Hoesung Lee. 'I am encouraged by climate action being taken in many countries. There are policies, regulations and market instruments that are proving effective. If these are scaled up and applied more widely and equitably, they can support deep emissions reductions and stimulate innovation.'

To limit global warming to around 1.5C (2.7F), the ***IPCC*** report insisted that global greenhouse gas emissions would have to peak 'before 2025 at the latest, and be reduced by 43 per cent by 2030'.

Methane would also need to be reduced by about a third, the report's authors continued, adding that even if this was achieved, it was 'almost inevitable that we will temporarily exceed this temperature threshold', although the world 'could return to below it by the end of the century'.

Now or never

'It's now or never, if we want to limit global warming to 1.5C (2.7F); without immediate and deep emissions reductions across all sectors, it will be impossible,' said Jim Skea, Co-Chair of ***IPCC*** Working Group III, which released the latest report.

Global temperatures will stabilise when carbon dioxide emissions reach net zero. For 1.5C (2.7F), this means achieving net zero carbon dioxide emissions globally in the early 2050s; for 2C (3.6F), it is in the early 2070s, the ***IPCC*** report states.

'This assessment shows that limiting warming to around 2C (3.6F) still requires global greenhouse gas emissions to peak before 2025 at the latest, and be reduced by a quarter by 2030.'

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/south-sudan-family-move-unicef-042022.jpg?ssl=1Families*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/south-sudan-family-move-unicef-042022.jpg?ssl=1Families) forced to move all their belongings, including livestock, South Sudan. UNICEF/Sebastian Rich

Policy base

A great deal of importance is attached to ***IPCC*** assessments because they provide governments with scientific information that they can use to develop climate policies.

They also play a key role in international negotiations to tackle climate change.

Among the sustainable and emissions-busting solutions that are available to governments, the ***IPCC*** report emphasised that rethinking how cities and other urban areas function in future could help significantly in mitigating the worst effects of climate change.

'These (reductions) can be achieved through lower energy consumption (such as by creating compact, walkable cities), electrification of transport in combination with low-emission energy sources, and enhanced carbon uptake and storage using nature,' the report suggested. 'There are options for established, rapidly growing and new cities,' it said.

Echoing that message, ***IPCC*** Working Group III Co-Chair, Priyadarshi Shukla, insisted that 'the right policies, infrastructure and technologyto enable changes to our lifestyles and behaviour, can result in a 40 to 70 per cent reduction in greenhouse gas emissions by 2050. 'The evidence also shows that these lifestyle changes can improve our health and wellbeing.'

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/cow-intense-floodin-south-sudan-unicef-042022.jpg?ssl=1A*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/cow-intense-floodin-south-sudan-unicef-042022.jpg?ssl=1A) cow trying to leave an area affected by intense flooding, South Sudan. Credit: UNICEF/Sebastian Rich

Click the link to read 'New UN Climate Report Outlines Failure of Existing Policies, Need for Rapid Emissions Cuts' on the Yale 360 website[4]:

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/yallourn-power-plant-autralia.jpg?ssl=1The*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/04/yallourn-power-plant-autralia.jpg?ssl=1The) Yallourn Power Station and adjacent brown coal mine in the Latrobe Valley of Victoria, Australia. STEPHEN EDMONDS VIA WIKIPEDIA

The world must make immediate and drastic cuts to carbon emissions to keep warming to under 1.5 degrees C, according to a new report[5] from the UN Intergovernmental Panel on Climate Change (***IPCC***). Existing policies and economic growth would allow warming to reach 3.2 degrees C, or nearly 6 degrees F, the report finds.

'It's now or never, if we want to limit global warming to 1.5 degrees C,' said ***IPCC*** Working Group III co-chair Jim Skea. 'Without immediate and deep emissions reductions across all sectors, it will be impossible.'

To reach the 1.5 degree goal, emissions must peak by 2025, drop by roughly half by 2030, and reach net zero by 2050, the report says. By mid-century, countries must cut their use of natural gas by 45 percent, oil by 60 percent, and must stop burning coal entirely. They must also remove large amounts of carbon dioxide from the atmosphere, for instance, by planting trees.

The ***IPCC*** report said that such progress is not unrealistic thanks to rapidly falling prices for solar, wind, and batteries, which have dropped by as much as 85 percent since 2010. But countries must act swiftly to cut emissions. At the current rate, the world will unleash enough heat-trapping gas by 2030 to produce 1.5 degrees C of warming. The failure of existing climate policies drew a harsh rebuke from UN Secretary-General António Guterres.

'High-emitting governments and corporations are not just turning a blind eye; they are adding fuel to the flames,' he said. 'They are choking our planet based on their vested interests and historic investments in fossil fuels, when cheaper, renewable solutions provide green jobs, energy security, and greater price stability.'

The new report is the third and final installment in the ***IPCC***'s latest review of climate science. ***IPCC*** assessments are produced around every seven years, meaning this is potentially the last report to be released before the end of this critical decade. Guterres called the document 'a file of shame, cataloguing the empty pledges that put us firmly on track towards an unlivable world.'

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2021/09/wildfire-issy-bailey-via-unsplash-via-writers-on-the-range-092021.jpg?ssl=1Humans*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2021/09/wildfire-issy-bailey-via-unsplash-via-writers-on-the-range-092021.jpg?ssl=1Humans) and fire have coexisted for years. But reorganizing our society around constant combustion may burn it to the ground. (Photo Credit: Issy Bailey, @bailey\_i, via Unsplash)

Click the link to read 'The world is running out of options to hit climate goals, U.N . report shows' on The Washington Pose website[6] (Sarah Kaplan and Brady Dennis):

With the world on track to blaze past its climate goals, only immediate, sweeping societal transformation can stave off catastrophic warming

Whether humanity can change course after decades of inaction is largely a question of collective resolve, according to the latest report from the U.N. Intergovernmental Panel on Climate Change. Governments, businesses and individuals must summon the willpower to transform economies, embrace new habits and leave behind the age of fossil fuels — or face the catastrophic consequences of unchecked climate change.

'The science has been ever more consistent and ever more clear,' Inger Andersen, executive director of the U.N. Environment Program, said in an interview.

What's needed now is 'political courage,' she added. 'That is what it will take — the ability to look beyond current interests.'

Human carbon pollution has already pushed the planet into unprecedented territory, ravaging ecosystems, raising sea levels and exposing millions of people to new weather extremes. At the current rate of emissions, the world will burn through its remaining 'carbon budget' by 2030 — putting the ambitious goal of keeping warming to 1.5 degrees Celsius (2.7 degrees Fahrenheit) irrevocably out of reach.

It is still technically possible, and even economically viable, for nations to curb carbon pollution on the scale that's required, according to the United Nations-assembled panel of 278 top climate experts. However, the report's authors write, it 'cannot be achieved through incremental change.'

Monday's report represents the ***IPCC***'s first analysis of humanity's remaining paths for climate action since the landmark Paris agreement, in which world leaders committed to prevent dangerous warming. The nearly 3,000-page document details how coordinated efforts to scale up renewable energy sources, overhaul transportation systems, restructure cities, improve agriculture and pull carbon from the air could put the planet on a more sustainable path while improving living standards around the globe.

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2018/05/smogdenvervianoaa.png?ssl=1Denver*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2018/05/smogdenvervianoaa.png?ssl=1Denver) smog. Photo credit: NOAA;

[ 1]: [*https://www.****ipcc****.ch/report/ar6/wg3/downloads*](https://www.ipcc.ch/report/ar6/wg3/downloads) [ 2]: [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_PressRelease-English.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_PressRelease-English.pdf) [ 3]: [*https://news.un.org/en/story/2022/04/1115452*](https://news.un.org/en/story/2022/04/1115452) [ 4]: [*https://e360.yale.edu/digest/new-un-climate-report-outlines-failure-of-existing-policies-need-for-rapid-emissions-cuts*](https://e360.yale.edu/digest/new-un-climate-report-outlines-failure-of-existing-policies-need-for-rapid-emissions-cuts) [ 5]: [*https://www.****ipcc****.ch/report/ar6/wg3/resources/press/*](https://www.ipcc.ch/report/ar6/wg3/resources/press/) [ 6]: [*https://www.washingtonpost.com/climate-environment/2022/04/04/climate-change-report-united-nations-****ipcc****/*](https://www.washingtonpost.com/climate-environment/2022/04/04/climate-change-report-united-nations-ipcc/)

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[***The IPCC says these changes to transportation could slow global warming — if they're done right***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655K-J281-JCMN-Y3X3-00000-00&context=1516831)

Newstex Blogs

TheNextWeb.com

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**Body**

Apr 06, 2022( TheNextWeb.com: [*http://thenextweb.com*](http://thenextweb.com) Delivered by Newstex)

Around the world, revolutionary changes are under way in transportation. More electric vehicles are on the road, people are taking advantage of sharing mobility services such as Uber and Lyft, and the rise in telework during the COVID-19 pandemic has shifted the way people think about commuting.

Transportation is a growing source of the global greenhouse gas emissions that are driving climate change, accounting for23% of energy-related carbon dioxide emissions worldwide in 2019[1]and29% of all greenhouse gas emissions in the U.S.[2]

The systemic changes under way in the transportation sector could begin lowering that emissions footprint. But will they reduce emissions enough?

In a newreport from the Intergovernmental Panel on Climate Change[3]released April 4, 2022, scientists examined the latest research on efforts to mitigate climate change. The report concludes that falling costs for renewable energy and electric vehicle batteries, in addition to policy changes, have slowed the growth of climate change in the past decade, but that deep, immediate cuts are necessary. Emissions will have to peak by 2025 to keep global warming under 1.5 degrees Celsius (2.7 F), aParis Agreement[4]goal, the report says.

[*https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Costs*](https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Costs) are falling for key forms of renewable energy and EV batteries, and adoption of these technologies is rising. Credit: ***IPCC*** Sixth Assessment Report[5]

The transportation chapter,which I contributed to[6], homed in on transportation transformations - some just starting and others expanding - that in the most aggressive scenarios could reduce global greenhouse gas emissions from transportation by 80% to 90% of current levels by 2050. That sort of drastic reduction would require a major, rapid rethinking of how people get around globally.

The future of EVs

All-electric vehicles[7] have grown dramatically since the Tesla Roadster and Nissan Leaf arrived on the market a little over a decade ago, following the popularity of hybrids.

In 2021 alone, the sales of electric passenger vehicles, including plug-in hybrids, doubled worldwide to 6.6 million,about 9% of all car sales[8]that year.

Strong regulatory policies have encouraged the production of electric vehicles, includingCalifornia's Zero Emission Vehicle regulation[9], which requires automakers to produce a certain number of zero-emission vehicles based on their total vehicles sold in California; theEuropean Union's CO2 emissions standards[10]for new vehicles; andChina's New Energy Vehicle policy[11], all of which have helped push EV adoption to where we are today.

[*https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Data*](https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Data) in millions of electric vehicles sold. Includes plug-in hybrid electric vehicles. Chart: The Conversation/CC-BY-ND. Credit: EV Volumes[12]

[*https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Pickups*](https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Pickups) and SUVs, which typically have much lower gas mileage than cars, make up the majority of new car sales in the U.S. Electric versions could be game-changers for emissions. Credit: Michael M. Santiago/Getty Images[13]

Beyond passenger vehicles, many micro-mobility options - such as autorickshaws, scooters and bikes - as well as buses, have been electrified.As the cost of lithium-ion batteries decreases[14], these transportation options will become increasingly affordable and further boost sales of battery-powered vehicles that traditionally have run on fossil fuels.

An important aspect to remember about electrifying the transportation system is that itsability to cut greenhouse gas emissions ultimately depends on how clean the electricity grid[15]is. China, for example, is aiming for20% of its vehicles to be electric[16]by 2025, but itselectric grid is still heavily reliant on coal[17].

With the global trends toward more renewable generation, these vehicles will be connected with fewer carbon emissions over time. There are also many developing and potentially promising co-benefits of electromobility when coupled with the power system. The batteries within electric vehicles have the potential toact as storage devices[18]for the grid, which can assist in stabilizing the intermittency of renewable resources in the power sector, among many other benefits.

Other areas of transportation are more challenging to electrify. Larger and heavier vehicles generally aren't as conducive to electrification because the size and weight of the batteries needed rapidly becomes untenable.

[*https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Ships*](https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Ships) that can connect to electric power in port can avoid burning fuel that produces greenhouse gases and pollution. Credit: Ernesto Velzquez/Unsplash[19],CC BY[20]

For some heavy-duty trucks, ships, and airplanes, alternative fuels such as hydrogen, advanced biofuels, and synthetic fuels are being explored as replacements for fossil fuels. Most aren't economically feasible yet, and substantial advances in the technology are still needed to ensure they are either low- or zero-carbon.

Other ways to cut emissions from transportation

While new fuel and vehicle technologies are often highlighted as decarbonization solutions, behavioral and other systemic changes will also be needed to meet to cut greenhouse gas emissions dramatically from this sector. We are already in the midst of these changes.

Telecommuting:During the COVID-19 pandemic, theexplosion of teleworking[21]and video conferencing reduced travel, and, with it, emissions associated with commuting. While some of that will rebound, telework is likely to continue for many sectors of the economy.

Shared mobility:Some shared mobility options, like bike and scooter sharing programs, can get more people out of vehicles entirely.

Car-sharing and on-demand services such as Uber and Lyft also have the potential to reduce emissions if they use high-efficiency or zero-emission vehicles, or if their services lean more toward car pooling, with each driver picking up multiple passengers. Unfortunately, there is substantial uncertainty about the impact of these services. They might alsoincrease vehicle use[22]and, with it,greenhouse gas emissions[23].

New policies such as theCalifornia Clean Miles Standard[24]are helping to push companies like Uber and Lyft to use cleaner vehicles and increase their passenger loads, though it remains to be seen whether other regions will adopt similar policies.

Public transit-friendly cities:Another systemic change involves urban planning and design. Transportation in urban areas is responsible for approximately 8% of global carbon dioxide emissions.

Efficient city planning and land use can reduce travel demand and shift transportation modes, from cars to public transit, through strategies that avoid urban sprawl and disincentivize personal cars. These improvements not only decrease greenhouse gas emissions, but can decrease congestion, air pollution and noise, while improving the safety of transportation systems.

[*https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Annual*](https://thenextweb.com/news/can-the-transport-sector-cut-emissions-and-slow-global-warming-syndication#Annual) emissions in millions of metric tons of carbon dioxide. How do these advances translate to lower emissions?

Much of the uncertainty in how much technological change and other systemic shifts in transportation affects global warming is related to the speed of transition.

The new ***IPCC*** report includes several potential scenarios for how much improvements in transportation will be able to cut emissions. On average, the scenarios indicate that the carbon intensity of the transportation sector would need to decrease by about 50% by 2050 and as much as 91% by 2100 when combined with a cleaner electricity grid to stay within the 1.5-degree Celsius (2.7 Fahrenheit) target for global warming.

These decreases would require a complete reversal of current trends of increasing emissions in the transportation sector, but the recent advances in transportation provide many opportunities to meet this challenge.

This article byAlan Jenn,[25] Assistant Professional Researcher in Transportation, University of California[26], Davis, isrepublished fromThe Conversation[27]under a Creative Commons license. Read theoriginal article[28].

[ 1]: [*https://www.iea.org/data-and-statistics/charts/global-co2-emissions-by-sector-2019*](https://www.iea.org/data-and-statistics/charts/global-co2-emissions-by-sector-2019) [ 2]: [*https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions*](https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions) [ 3]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-3/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-3/) [ 4]: [*https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement*](https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement) [ 5]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-3/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-3/) [ 6]: [*https://its.ucdavis.edu/people/alan-jenn/*](https://its.ucdavis.edu/people/alan-jenn/) [ 7]: [*https://thenextweb.com/topic/electric-vehicles*](https://thenextweb.com/topic/electric-vehicles) [ 8]: [*https://www.iea.org/commentaries/electric-cars-fend-off-supply-challenges-to-more-than-double-global-sales*](https://www.iea.org/commentaries/electric-cars-fend-off-supply-challenges-to-more-than-double-global-sales) [ 9]: [*https://ww2.arb.ca.gov/our-work/programs/zero-emission-vehicle-program/about*](https://ww2.arb.ca.gov/our-work/programs/zero-emission-vehicle-program/about) [ 10]: [*https://ec.europa.eu/clima/eu-action/transport-emissions/road-transport-reducing-co2-emissions-vehicles/co2-emission-performance-standards-cars-and-vans\_en*](https://ec.europa.eu/clima/eu-action/transport-emissions/road-transport-reducing-co2-emissions-vehicles/co2-emission-performance-standards-cars-and-vans_en) [ 11]: [*https://dieselnet.com/standards/cn/nev.php*](https://dieselnet.com/standards/cn/nev.php) [ 12]: [*https://www.ev-volumes.com*](https://www.ev-volumes.com)/ [ 13]: [*https://www.gettyimages.com/detail/news-photo/rivian-electric-truck-is-displayed-in-front-of-the-nasdaq-news-photo/1352478252*](https://www.gettyimages.com/detail/news-photo/rivian-electric-truck-is-displayed-in-front-of-the-nasdaq-news-photo/1352478252) [ 14]: [*https://about.bnef.com/blog/battery-pack-prices-fall-to-an-average-of-132-kwh-but-rising-commodity-prices-start-to-bite/*](https://about.bnef.com/blog/battery-pack-prices-fall-to-an-average-of-132-kwh-but-rising-commodity-prices-start-to-bite/) [ 15]: [*https://evtool.ucsusa.org*](https://evtool.ucsusa.org)/ [ 16]: [*https://www.iea.org/commentaries/electric-cars-fend-off-supply-challenges-to-more-than-double-global-sales*](https://www.iea.org/commentaries/electric-cars-fend-off-supply-challenges-to-more-than-double-global-sales) [ 17]: [*https://www.sciencedirect.com/science/article/pii/S1352231015002022*](https://www.sciencedirect.com/science/article/pii/S1352231015002022) [ 18]: [*https://theconversation.com/can-my-electric-car-power-my-house-not-yet-for-most-drivers-but-vehicle-to-home-charging-is-coming-163332*](https://theconversation.com/can-my-electric-car-power-my-house-not-yet-for-most-drivers-but-vehicle-to-home-charging-is-coming-163332) [ 19]: [*https://unsplash.com/photos/PXHCvMmFiPw*](https://unsplash.com/photos/PXHCvMmFiPw) [ 20]: [*https://creativecommons.org/licenses/by/4.0/*](https://creativecommons.org/licenses/by/4.0/) [ 21]: [*https://www.mdpi.com/2071-1050/12/9/3662*](https://www.mdpi.com/2071-1050/12/9/3662) [ 22]: [*https://theconversation.com/spread-of-self-driving-cars-could-cause-more-pollution-unless-the-electric-grid-transforms-radically-101508*](https://theconversation.com/spread-of-self-driving-cars-could-cause-more-pollution-unless-the-electric-grid-transforms-radically-101508) [ 23]: [*https://www.sciencedirect.com/science/article/pii/S0968090X18316449?casa\_token=ZZAdxKGssnYAAAAA:z1Y1j5KkYWME6RESdX4gsPhB6PRgPb0CTKD5FX3Y\_opPnfi\_WJlkxgc5qRmFQsfPn26VD5PsyQ*](https://www.sciencedirect.com/science/article/pii/S0968090X18316449?casa_token=ZZAdxKGssnYAAAAA:z1Y1j5KkYWME6RESdX4gsPhB6PRgPb0CTKD5FX3Y_opPnfi_WJlkxgc5qRmFQsfPn26VD5PsyQ) [ 24]: [*https://ww2.arb.ca.gov/our-work/programs/clean-miles-standard*](https://ww2.arb.ca.gov/our-work/programs/clean-miles-standard) [ 25]: [*https://theconversation.com/profiles/alan-jenn-1329525*](https://theconversation.com/profiles/alan-jenn-1329525) [ 26]: [*https://www.universityofcalifornia.edu*](https://www.universityofcalifornia.edu)/ [ 27]: [*https://theconversation.com*](https://theconversation.com)/ [ 28]: [*https://theconversation.com/revolutionary-changes-in-transportation-from-electric-vehicles-to-ride-sharing-could-slow-global-warming-if-theyre-done-right-****ipcc****-says-179535*](https://theconversation.com/revolutionary-changes-in-transportation-from-electric-vehicles-to-ride-sharing-could-slow-global-warming-if-theyre-done-right-ipcc-says-179535)

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[***Two things we thought we'd note from the IPCC report***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655M-WF51-JCMN-Y2GJ-00000-00&context=1516831)

Newstex Blogs

Adam Smith Institute Blog

April 7, 2022 Thursday 5:12 AM EST

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**Length:** 636 words

**Byline:** Tim Worstall

**Body**

Apr 07, 2022( Adam Smith Institute Blog: [*http://www.adamsmith.org/blog*](http://www.adamsmith.org/blog) Delivered by Newstex)

'The global economic benefit of limiting warming to 2C is reported to exceed the cost of mitigation in most of the assessed literature (medium confidence).'

OK, that's interesting[1].

In fact, it's fascinating, Because they're using their 'medium confidence' in 2C to demand that 1.5C be done. That is, they're using the costings where they think they're about right to demand what they're not certain about at all. Which is an interesting misuse of their own calculations, don't you think?

Our position has long contained two base insistences. One, that we should only do what makes sense. Any action should add more value - or reduce damages - more than the cost of taking the action. In this we are in accord with the Stern Review and the work that led to the Nordhaus Nobel. In fact, this is in accord with simple basic logic - do those things which add value, don't those that don't.

The second is that whatever we do we do it efficiently. For humans tend to do less of more expensive things, more of cheaper. So, by using efficient methods we thus gain more of the thing, whatever it is. Political planning has had Germany opening up the lignite mines again, the UK burning American woodchips in Drax and just everyone growing corn to feed into cars not people. Such planning, we can see by the simple evidence of our own experience, does not in fact work. So, market methods with suitably adjusted prices it has to be - again we are in accord with Stern and Nordhaus and 93% of polled economists.

In short, OK, climate change, fine, but for the Lord's Sake don't try dealing with it the way you have been. Oh, and don't try to accelerate it, not until you've proven that it's worth doing so.

We also found this interesting:

Meanwhile, it adds with medium confidence that 'the lifestyle consumption emissions of the middle income and poorest citizens in emerging economies are between 5-50 times below their counterparts in high-income countries'.

Emissions are very closely related to standard of living - obviously so in an emissions powered economy. The true meaning of that being that we in the rich world have no poverty - not when there are people out there living on 20%, or 2%, of what we have. And there's really no arguing with this non-existence of poverty idea either. For the ***IPCC*** is indeed the home, residence, of the accepted science of our age, isn't it?

[ 1]: [*https://www.carbonbrief.org/in-depth-qa-the-ipccs-sixth-assessment-on-how-to-tackle-climate-change*](https://www.carbonbrief.org/in-depth-qa-the-ipccs-sixth-assessment-on-how-to-tackle-climate-change)

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[***IPCC confirms we're facing climate change shit creek***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6555-K8N1-JCMN-Y2FV-00000-00&context=1516831)

Newstex Blogs

Socratic Gadfly

April 4, 2022 Monday 7:08 PM EST

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**Length:** 733 words

**Byline:** Unknown

**Body**

Apr 04, 2022( Socratic Gadfly: [*http://socraticgadfly.blogspot.com*](http://socraticgadfly.blogspot.com) Delivered by Newstex)

[*https://s.yimg.com/ny/api/res/1.2/\_LSLUn\_Kx9sSWxkrwB0CZA--/YXBwaWQ9aGlnaGxhbmRlcjt3PTcwNTtjZj13ZWJw/https://s.yimg.com/os/creatr-uploaded-images/2022-04/cdae1d60-b431-11ec-93ec-47b83b4ab9fa*](https://s.yimg.com/ny/api/res/1.2/_LSLUn_Kx9sSWxkrwB0CZA--/YXBwaWQ9aGlnaGxhbmRlcjt3PTcwNTtjZj13ZWJw/https://s.yimg.com/os/creatr-uploaded-images/2022-04/cdae1d60-b431-11ec-93ec-47b83b4ab9fa)

Yes, that's the most straightforward way to describe the latest quadrennial report[1] on climate change by the UN's Intergovernmental Panel on Climate Change. Here's your nutgraf, up front, emphasis mine at the end: The Intergovernmental Panel on Climate Change on Monday released its latest report, which found that nations are falling short of their pledges to reduce greenhouse gas emissions in order to avert catastrophic climate change. While the technology exists to stay below 1.5 degrees Celsius (2.7 Fahrenheit) of average global temperature increase — the goal that virtually every nation agreed to in the 2015 Paris climate agreement and reaffirmed last year in the Glasgow Climate Pact — current policies put the world on a trajectory toward at least twice as much warming. Again, let's note that "current policies put the world on a trajectory toward at least twice as much warming."

Within that, let's further zero in on "at least twice as much." In other words, 3C may not be the stopping point above 1.5C. Could be 3.5C or 4C.

That's climate change shit creek and no other way to describe it.

Despite the angst by ruling class Democrats when Trump pulled the US out of the Paris Accords, and the same #BlueAnon huzzahs when Biden put us back in, the bottom line remains the same, and that is that:

The Paris Accords are toothless Jell-O[2].

And, with that, we need to start taking seriously the possibility that climate change Obamiacs like Katharine Hayhoe, Michael Mann and Bob Kopp are not only wrong, they're actually at Not.Even.Wrong, and that alarmists like James Kunstler just might be right[3]. At a minimum, until the BlueAnon tech-neolib capitalists accept that Paris is toothless Jell-O, Kunstler will be more right than wrong. And, given the way[4] the Glasgow round of climate talks went last fall, Team Democrat will continue to pretend to act and team MSM media will continue to pretend to take this seriously[5]. That includes both the Monthly AND the Observer in Texas, in one of those instances that made Bernard Rapoport turn in his grave, in all likelihood. And also, Texas Observer, I haven't forgotten that it was YOU, not the Monthly, that spin-cycled Hayhoe[6], about whom I have a special climate change Obamiac animus.

There is no god and I am his prophet. - SocraticGadfly

[ 1]: [*https://news.yahoo.com/****ipcc****-window-to-avert-catastrophic-climate-change-is-quickly-closing-161926811.html*](https://news.yahoo.com/ipcc-window-to-avert-catastrophic-climate-change-is-quickly-closing-161926811.html) [ 2]: [*https://socraticgadfly.blogspot.com/2015/12/parisagreement-is-nothing-more-than.html*](https://socraticgadfly.blogspot.com/2015/12/parisagreement-is-nothing-more-than.html) [ 3]: [*https://socraticgadfly.blogspot.com/2020/11/climate-change-were-james-kunstlers.html*](https://socraticgadfly.blogspot.com/2020/11/climate-change-were-james-kunstlers.html) [ 4]: [*https://socraticgadfly.blogspot.com/2021/11/glasgow-sound-and-fury-on-climate.html*](https://socraticgadfly.blogspot.com/2021/11/glasgow-sound-and-fury-on-climate.html) [ 5]: [*https://socraticgadfly.blogspot.com/2021/08/this-corner-of-texas-progressives.html*](https://socraticgadfly.blogspot.com/2021/08/this-corner-of-texas-progressives.html) [ 6]: [*https://socraticgadfly.blogspot.com/2019/12/katharine-hayhoe-and-climate-change.html*](https://socraticgadfly.blogspot.com/2019/12/katharine-hayhoe-and-climate-change.html)

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[***'Now Or Never': Only Severe Emissions Cuts Will Avoid Climate Extremes - U.N. Report***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BFC1-JCMN-Y4BK-00000-00&context=1516831)

Newstex Blogs

International Business Times News

April 4, 2022 Monday 3:45 PM EST

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**Length:** 639 words

**Body**

Apr 04, 2022( International Business Times News: [*http://www.ibtimes.com*](http://www.ibtimes.com) Delivered by Newstex)

Drastic cuts to fossil fuel use. Growing forests and eating less meat. These are just some of the actions needed in this decade to contain global warming to 1.5 degrees Celsius above preindustrial temperatures, a major report by the U.N. climate science agency said Monday.

Despite climate change warnings issued by the Intergovernmental Panel on Climate Change (***IPCC***) [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_FinalDraft\_FullReport.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_FinalDraft_FullReport.pdf) since 1990, global emissions have continued to rise in the last decade, reaching their highest point in history.

The result: global emissions are on track to blow past the 1.5 degrees C warming limit envisioned in the 2015 Paris Agreement and reach some 3.2 degrees C by century's end.

"We left COP26 in Glasgow with a naive optimism, based on new promises and commitments," U.N. Secretary-General Antonio Guterres said with the report's release. "But current climate pledges would (still) mean a 14% increase in emissions. And most major emitters are not taking the steps needed to fulfill even these inadequate promises."

At this point, only severe emissions cuts in this decade across all sectors, from agriculture and transport to energy and buildings, can turn things around, the report says. Even then, governments would also need to bolster efforts to plant more trees and develop technologies that could remove some of the carbon dioxide already in the atmosphere after more than a century of industrial activity.

"It's now or never," ***IPCC*** report co-chair Jim Skea said in a statement with the report - the last in a three-part series by the ***IPCC***, with the next review cycle not expected for at least another five years.

DRAMA AND DELAY

While other recent ***IPCC*** reports addressed the latest findings in climate change science as well as ways for the world to adapt to a warmer world, Monday's tackled ways of curbing emissions - making it one of the more contentious reports of the pack for governments.

Some scientists described the process as "excruciating," and the ***IPCC*** was forced to delay the report's public release by six hours on Monday.

Final approval of the report's key summary for policymakers - which requires sign-off from all countries - followed a marathon weekend overtime session as government officials quibbled over the wording.

"Different countries have different interests," ***IPCC*** co-author and climate scientist Jan Minx. "Everyone wants to make sure that their concerns are addressed ... but scientists have the last word."

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[***'2025 Is a Make-or-Break Year for Climate Action'***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9M51-JCMN-Y1K6-00000-00&context=1516831)

Newstex Blogs

DownWithTyranny

April 5, 2022 Tuesday 4:06 PM EST

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**Length:** 1578 words

**Byline:** Thomas Neuburger

**Body**

Apr 05, 2022( DownWithTyranny: [*https://www.downwithtyranny.com/downwithtyranny*](https://www.downwithtyranny.com/downwithtyranny) Delivered by Newstex)

Figure 4 from the ***IPCC*** Working Group 3 Summary for Policymakers. The only parts of the graph you care about are the red line — where fossil fuel emissions are now and where they're headed — and the light blue line — where they need to be, and when, to avoid disaster. The report does its best to make the light blue scenario seem doable. By Thomas Neuburger

By the time the next ***IPCC*** report on the pathways forward is published, 7-8 years from now, we will already know whether we secured a decent chance for a sustainable future — or if we face a devil's bargain that offers only ruinous costs no matter which way we go from there.

—One climate analyst (via email) on the just-released ***IPCC*** Working Group 3 report

If the wealthy had ever planned to save our species from the coming catastrophe, they'd be doing so now and we'd be watching them do it.

—Yours truly, here[1]

The ***IPCC***'s Sixth Assessment Report (AR6) is almost complete. The products of Working Groups 1 and 2, the one dealing with the physical science (WG1[2]) and the one dealing with impacts and vulnerabilities (WG2[3]), are already out. The report of Working Group 3, dealing with adaptation, has just been released[4]. All that remains is the Synthesis Report that summarizes all all three. (For more on these reports, see our earlier comments here[5].)

Uncharacteristically, the WG3 report is dire. (All citations from this report of the ***IPCC*** will come from the Summary for Policymakers[6]. For just the headline statements, go here[7].)

As usual the language is dense and obtuse, though accurate. For example: SPM.C.3 Soft limits to some human adaptation have been reached, but can be overcome by addressing a range of constraints, primarily financial, governance, institutional and policy constraints (high confidence). Hard limits to adaptation have been reached in some ecosystems (high confidence). With increasing global warming, losses and damages will increase and additional human and natural systems will reach adaptation limits (high confidence). You have to think about that to get it. Paint a picture, it does not. "Hard adaptation limits" includes death.

Or: SPM.C.4 There is increased evidence of maladaptation[15] across many sectors and regions since the AR5. Maladaptive responses to climate change can create lock-ins of vulnerability, exposure and risks that are difficult and expensive to change and exacerbate existing inequalities. Maladaptation can be avoided by flexible, multi-sectoral, inclusive and long-term planning and implementation of adaptation actions with benefits to many sectors and systems. (high confidence) "Maladaption" means picking a solution that locks in the problem. Building out 30 years of methane ("America's clean energy"), for example, as a solution to climate change is a "maladaptation" — like switching to a different poison as you lay dying.

And: SPM.C.5.1 Political commitment and follow-through across all levels of government accelerate the implementation of adaptation actions (high confidence). Implementing actions can require large upfront investments of human, financial and technological resources (high confidence), whilst some benefits could only become visible in the next decade or beyond (medium confidence). Accelerating commitment and follow-through is promoted by rising public awareness, building business cases for adaptation, accountability and transparency mechanisms, monitoring and evaluation of adaptation progress, social movements, and climate-related litigation in some regions (medium confidence). Shorter version: "Politics and capital investment is needed to fix this, even if the return and results aren't obvious for a decade or more." (Duh.) Also, "it's important to build a 'business case' for adapting to climate change." (Now that's just stupid, like requiring that a business case be made for a village hospital before one is built.)

The Summary for Policymakers is supposed to be the non-technical chapter for people like Joe Biden. It's almost as though they didn't want to be understood. (And they don't. Again, see this analysis[8].)

In Plain English

But the following analysis makes clear how dire the situation is. For example, from the climate-savvy analyst quoted at the top (also via email): 2025 is now a make-or-break year. The ***IPCC*** finds that globally we must reach peak greenhouse gas emissions by 2025 in order to limit warming to 1.5C, and that delaying a peak past 2025 means unavoidable and unnecessary economic losses. And this is from the WG3 co-chair himself, in an interview with the Guardian via Brad Johnson's excellent newsletter, Hill Heat[9]: 'It's now or never[10], if we want to limit global warming to 1.5C,' ***IPCC*** Working Group III co-chair Jim Skea announced today, at the release[11] of the group's Mitigation of Climate Climate Change report[12]. 'Without immediate and deep emissions reductions across all sectors, it will be impossible.' "Now or never." If they could only write like they talk.

Why None of This Hits Home

The problems, of course, are these, as anyone with eyes can see:

Complete political capture of the ruling class by the fossil fuel companies (our rulers are determined to keep us on carbon till they can't)

The pathological greed and hubris of the very very rich, our rulers

The refusal of anyone with power, and certainly anyone with power in the U.S., to end fossil fuel subsidies

And the refusal, unmentioned by this report, by the wealth-controlled mainstream media to make this seem urgent

About the third point above, Thom Hartmann, in his daily newsletter[13], says this[14] (emphasis mine; links at the source): [I]t's so much cheaper to drive an electric car regardless of where you live. And now many new EV prices ($27,400 for a Nissan Leaf, for example) are even below the US average ($38,700) for gas-powered cars.Don't bother using a search engine to try to find this information, though. Fossil fuels are a multi-trillion-dollar industry, and US taxpayers — you and me — subsidized that industry to the tune of over $600 billion last year.The International Monetary Fund calculates worldwide subsidies for fossil fuels at $5.9 trillion in 2020: that's $11 million a minute. The rich who run the place, the very wealthy ones, are subsidizing our (and their) certain end. How strange is that? How ironic this story will seem when it's all played out, after no one is left to read it.

One could argue that the world has already passed its "make-or-break" year — passed it many decades ago. It will take significant action to keep us from devolving to a place with "ruinous costs no matter which way we go." Yet we (our rulers) refuse to take any "significant action" at all.

Instead, we're offered the predictably limp-wristed promises[15] of our new current resident, who is breaking even those as fast as he can[16]. The irony[17] is truly world-historical.

[ 1]: [*https://neuburger.substack.com/p/an-independence-day-reflection-how?s=w*](https://neuburger.substack.com/p/an-independence-day-reflection-how?s=w) [ 2]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-i/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-i/) [ 3]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-ii/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-ii/) [ 4]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 5]: [*https://neuburger.substack.com/p/how-fossil-fuel-governments-control*](https://neuburger.substack.com/p/how-fossil-fuel-governments-control) [ 6]: [*https://report.****ipcc****.ch/ar6wg2/pdf/****IPCC****\_AR6\_WGII\_SummaryForPolicymakers.pdf*](https://report.ipcc.ch/ar6wg2/pdf/IPCC_AR6_WGII_SummaryForPolicymakers.pdf) [ 7]: [*https://www.****ipcc****.ch/report/ar6/wg2/resources/spm-headline-statements/*](https://www.ipcc.ch/report/ar6/wg2/resources/spm-headline-statements/) [ 8]: [*https://neuburger.substack.com/p/how-fossil-fuel-governments-control*](https://neuburger.substack.com/p/how-fossil-fuel-governments-control) [ 9]: [*https://hillheat.substack.com/p/were-off-to-never-never-land*](https://hillheat.substack.com/p/were-off-to-never-never-land) [ 10]: [*https://www.theguardian.com/environment/2022/apr/04/****ipcc****-report-now-or-never-if-world-stave-off-climate-disaster*](https://www.theguardian.com/environment/2022/apr/04/ipcc-report-now-or-never-if-world-stave-off-climate-disaster) [ 11]: [*https://www.theguardian.com/environment/2022/apr/03/scientists-urge-end-to-fossil-fuel-use-as-landmark-ippc-report-readied*](https://www.theguardian.com/environment/2022/apr/03/scientists-urge-end-to-fossil-fuel-use-as-landmark-ippc-report-readied) [ 12]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 13]: [*https://hartmannreport.com*](https://hartmannreport.com)/ [ 14]: [*https://hartmannreport.com/p/cut-out-the-middlemen-and-get-your*](https://hartmannreport.com/p/cut-out-the-middlemen-and-get-your) [ 15]: [*https://joebiden.com/climate-plan*](https://joebiden.com/climate-plan)/ [ 16]: [*https://neuburger.substack.com/p/industry-calls-the-climate-shots*](https://neuburger.substack.com/p/industry-calls-the-climate-shots) [ 17]: [*https://neuburger.substack.com/p/this-ironic-world-does-climate-hope*](https://neuburger.substack.com/p/this-ironic-world-does-climate-hope)

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[***IPCC report focusses on last-minute strategies to cut emissions***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655C-JTR1-F03R-N4J7-00000-00&context=1516831)

Newstex Blogs

The Hindu Business Line

April 6, 2022 Wednesday 12:10 AM EST

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**Length:** 834 words

**Body**

Apr 05, 2022( The Hindu Business Line: [*http://www.thehindubusinessline.com*](http://www.thehindubusinessline.com)/ Delivered by Newstex)

Chennai, April 5 STATES

Between 1850 and 2019, Earth has emitted the equivalent of roughly 2,400 billion tonnes of carbon dioxide, however, 42 per cent of it has occurred in the last 30 years.

These numbers by themselves may not mean much, but for perspective, it is necessary to understand that the globe is warming and for it to stay alive, it is a must to limit the rise in warming to 1.5C compared with the average global temperatures that was obtained in the mid 19th century.

And for this to happen, emissions of greenhouse gases — carbon dioxide, methane and a bunch of others — must fall and stop. Or else, the very survival of mankind is at stake. Target near, yet far Now, how much more room do we have so that the target of 1.5C is reached? A mere 500 billion tonnes for the entire world! Also, if we limit emissions to that target, we have half a chance of meeting the 1.5C target.

The fight, therefore, is who should get a fair share of this 'carbon budget'? Developing countries say it is their's, because the developed world has already taken more than their fair share of the carbon space. They have developed by putting up emissions with gay abandon. In 2019, the globe emitted 20 billion tonnes of greenhouse gases. Thus, in a business-as-usual scenario, the world would run out of its runway in 25 years. ***IPCC*** report It is against this backdrop that the Intergovernmental Panel on Climate Change, a multi-country body of experts tasked by the United Nations to develop data about climate change and suggestion action, has come up with the third instalment of its 6th Assessment Report. (The reports come once in many years; the last one was in 2013.) What it says Essentially, the report speaks about how bad the situation is, despite some notable success in terms of falling renewable energy prices, thrust given to EVs, good expansion of climate policy, etc., but that's far from enough.

For example, the report says, 'Emissions reductions in CO2 from fossil fuels and industrial processes, due to improvements in energy intensity of GDP and carbon intensity of energy, have been less than emissions increase from rising global activity levels in industry, energy supply, transport, agriculture and buildings.'

Further, it speaks about the growing inequality. A good 35 per cent of the world's population lives in countries where per capita emissions exceed 9 tonnes of CO2, and 41 per cent live where the number is less than 3 tonnes of CO2. India's per capita emissions is 1.8 tonnes.

The report also highlights what all is possible — in terms of building more climate-friendly buildings, energy systems that don't smoke out the planet, building cities that breathe better and in which people walk or cycle to work, or at least take electric transport, and in terms of reducing demand of various things from food to energy to transport. There is emphasis on the 'demand side mitigation'.

'Demand side measures and new ways of end-use service provision can reduce global emissions in end use sectors by 40-70 per cent by 2050,' it says. Disaster approaching UN General Secretary, Antonio Guterres, in a message said: 'We are on a fast-track to climate disaster.' Why? Because to meet the 1.5C target, global emissions should be cut by 45 per cent this decade. However, the current climate pledges would mean a 14 per cent increase in emissions, Guterres noted.

This would mean that the world is on a pathway that will lead to double the 1.5C target. Stressing that 'this is a climate emergency', the Secretary General observed that 'some government and business leaders are saying one thing, but doing another — simply put, they are lying.'

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[***LAPD Needs Like A Million Cops To Arrest Four Scientists At Climate Protest***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655X-78V1-F03R-N0W8-00000-00&context=1516831)

Newstex Blogs

Wonkette

April 8, 2022 Friday 3:35 PM EST

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**Length:** 1296 words

**Byline:** Doktor Zoom

**Body**

Apr 08, 2022( Wonkette: [*http://wonkette.com*](http://wonkette.com)/ Delivered by Newstex)

During an unseasonable heat wave[1] in Los Angeles Wednesday, a group of climate activists protested outside the JP Morgan Chase building downtown. Four scientists — a climate scientist, a science teacher, an engineer, and a physicist — chained themselves to the bank's doors[2] as part of a global climate protest [3]organized by the groups Extinction Rebellion and Scientist Rebellion.

The protest was held just a few days after the UN's Intergovernmental Panel on Climate Change (***IPCC***) released an alarming new report[4] saying the world can still meet the best-case Paris goal for limiting the damage done by global warming, but only by making "immediate and deep emissions reductions across all sectors,"[5] and far more quickly than industrialized nations have committed to — to say nothing of the enormous greenhouse gas emissions actually happening.

LAist's Erin Stone describes the protest:[6] The four men — climate scientist Peter Kalmus, science educator Allan Chornak, physicist Greg Spooner and engineer Eric Gill — donned white lab coats and chained themselves to the bank's front doors in protest of the bank's investments in coal, oil and gas projects. They chose JP Morgan Chase because the bank has funded more new fossil fuel projects than any other bank, according to a report[7] by a group of NGOs. The other climate activists soon joined the scientists, marching and chanting while holding up signs reading 'Chase fuels the crisis' and '1.5 is dead! Climate revolution now!'

NASA Climate scientist Peter Kalmus choked up as he spoke about the stakes, and the price of inaction: "The scientists of the world have been being ignored and it's got to stop [...] we're going to lose everything."

@ClimateHuman chokes up speaking when talking about his son and why he\u2019s chaining himself to Chase bank entrance, along w three other scientists:pic.twitter .com/r2vt8YDy3n — Erin Stone (she/her) (@Erin Stone (she/her)) 1649275948[8] We're not joking, we're not lying, we're not exaggerating. This is so bad that we're willing to take this risk and more and more scientists and more and more people are gonna start joining us. After the small, peaceful protest had gone on for a few hours, the Los Angeles Police Department sent in riot officers; one activist group estimated on Twitter[9] that there were about 10 cops for each protester: ;

LOS ANGELES CLIMATE PROTEST\n\nAre you all seeing LAPD\u2019s response to a few climate scientists chained to a door? There\u2019s about 10 for each protestor.\n\nLAPD is going all out in riot gear in preparation for the cop riot. Where are the elected officials in Los Angeles? This is absurd.pic .twitter.com/op3pacRdGz — People's City Council - Los Angeles (@People's City Council - Los Angeles) 1649287541[10] Around 5 p.m ., the cops declared the protest an unlawful assembly, and cleared everyone out[11]: protesters, media, and onlookers.

Officers clear the whole block.pic.twitter.com/F4yL4OHWbn — Erin Stone (she/her) (@Erin Stone (she/her)) 1649289058[12] The four scientists were arrested (with about 50 cops taking part[13] all told), then slapped with misdemeanor trespassing charges[14] and released early Thursday morning. ;

The world continues to spew greenhouse gases into the atmosphere this morning and every morning, and the ***IPCC*** warns that by the time it releases its next report on climate mitigation, in five or six years, humanity will have most likely burned through[15] the remainder of the "carbon budget" that's left before there's too much CO2 in the atmosphere to meet the Paris goal of limiting warming to 1.5 degrees C (2.7 degrees Fahrenheit) over pre-industrial levels.

The only good news here is that it's still not too late to limit the damage: For every tenth of a degree we can limit total warming, the planet will be a little better off, a little less screwed. If the options for our future are "pretty fucked" and "enormously, civilization-threateningly fucked," then we'll take the version with less fucked in it, please.

But we need to demand immediate action. It's a matter of life and death. We're all in the lifeboats now, so grab an oar and row for dear life.

[***IPCC*** report[16] / LAist [17]/ Inside Climate News[18] / Scientific American[19] / Photo: Scientist Rebellion[20] on Twitter]

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Do your Amazon shopping through this link, because reasons[21].

[ 1]: [*https://www.foxla*](https://www.foxla) .com/news/california-heat-wave-sizzling-temps-prompt-heat-advisories-across-socal [ 2]: [*https://laist.com/news/climate-environment/climate-revolution-now-how-an-atypical-scientific-protest-led-to-arrests-in-dtla*](https://laist.com/news/climate-environment/climate-revolution-now-how-an-atypical-scientific-protest-led-to-arrests-in-dtla) [ 3]: [*https://twitter.com/ScientistRebel1/status/1511878550584016898*](https://twitter.com/ScientistRebel1/status/1511878550584016898) [ 4]: [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_FinalDraft\_FullReport.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_FinalDraft_FullReport.pdf) [ 5]: [*https://www.scientificamerican.com/article/climate-report-offers-some-hope-but-the-need-for-action-is-urgent/*](https://www.scientificamerican.com/article/climate-report-offers-some-hope-but-the-need-for-action-is-urgent/) [ 6]: [*https://laist.com/news/climate-environment/climate-revolution-now-how-an-atypical-scientific-protest-led-to-arrests-in-dtla*](https://laist.com/news/climate-environment/climate-revolution-now-how-an-atypical-scientific-protest-led-to-arrests-in-dtla) [ 7]: [*https://www.bankingonclimatechaos.org*](https://www.bankingonclimatechaos.org)/ [ 8]: [*https://twitter.com/Erstone7/statuses/1511799016329080833*](https://twitter.com/Erstone7/statuses/1511799016329080833) [ 9]: [*https://twitter.com/PplsCityCouncil/status/1511847644452192256*](https://twitter.com/PplsCityCouncil/status/1511847644452192256) [ 10]: [*https://twitter.com/PplsCityCouncil/statuses/1511847644452192256*](https://twitter.com/PplsCityCouncil/statuses/1511847644452192256) [ 11]: [*https://twitter.com/Erstone7/status/1511854004157833217?ref\_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E1511854004157833217%7Ctwgr%5E%7Ctwcon%5Es1\_&ref\_url=https%3A%2F%2Fwww.wonkette.com%2Fr%2Fentryeditor%2F2657118424publish*](https://twitter.com/Erstone7/status/1511854004157833217?ref_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E1511854004157833217%7Ctwgr%5E%7Ctwcon%5Es1_&ref_url=https%3A%2F%2Fwww.wonkette.com%2Fr%2Fentryeditor%2F2657118424publish) [ 12]: [*https://twitter.com/Erstone7/statuses/1511854004157833217*](https://twitter.com/Erstone7/statuses/1511854004157833217) [ 13]: [*https://twitter.com/Erstone7/status/1511854554421243905*](https://twitter.com/Erstone7/status/1511854554421243905) [ 14]: [*https://laist.com/news/climate-environment/climate-revolution-now-how-an-atypical-scientific-protest-led-to-arrests-in-dtla*](https://laist.com/news/climate-environment/climate-revolution-now-how-an-atypical-scientific-protest-led-to-arrests-in-dtla) [ 15]: [*https://insideclimatenews.org/news/05042022/****ipcc****-report-climate-change/*](https://insideclimatenews.org/news/05042022/ipcc-report-climate-change/) [ 16]: [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_FinalDraft\_FullReport.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_FinalDraft_FullReport.pdf) [ 17]: [*https://laist.com/news/climate-environment/climate-revolution-now-how-an-atypical-scientific-protest-led-to-arrests-in-dtla*](https://laist.com/news/climate-environment/climate-revolution-now-how-an-atypical-scientific-protest-led-to-arrests-in-dtla) [ 18]: [*https://insideclimatenews.org/news/05042022/****ipcc****-report-climate-change/*](https://insideclimatenews.org/news/05042022/ipcc-report-climate-change/) [ 19]: [*https://www.scientificamerican.com/article/climate-report-offers-some-hope-but-the-need-for-action-is-urgent/*](https://www.scientificamerican.com/article/climate-report-offers-some-hope-but-the-need-for-action-is-urgent/) [ 20]: [*https://twitter.com/ScientistRebel1/status/1511878574424395778*](https://twitter.com/ScientistRebel1/status/1511878574424395778) [ 21]: [*https://amzn.to/33mKzZe*](https://amzn.to/33mKzZe)

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**Load-Date:** April 8, 2022

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[***Media Misinformation is Helping Lead us Off Climate Cliff***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655X-78K1-F03R-N4D3-00000-00&context=1516831)

Newstex Blogs

ColoradoPols.com

April 8, 2022 Friday 4:30 PM EST

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**Length:** 1165 words

**Byline:** PKolbenschlag

**Body**

Apr 08, 2022( ColoradoPols.com: [*http://coloradopols.com*](http://coloradopols.com) Delivered by Newstex)

As numerous, detailed studies have shown, and top scientists working across many disciplines agree, agriculture is one of the most at-risk[1] systems from the climate emergency that we are now living in, and which will only get worse in the decades to come.

How much worse, and whether fruit-growing and other agriculture in the U.S. Southwest can survive is now mostly up to us. To avert a cascade of much worse catastrophes[2] we must act right now.

That summation is not coming just from me. It is what the series of recent international reports, thousands of pages covering over ten thousand peer-reviewed studies and other data have all concluded.

Which makes it unfortunate to read a front-page article in the Grand Junction Daily Sentinel on the damage extreme weather in the fall of 2020 caused for fruit-growers on the Western Slope without any mention of climate change.[3]

Fruit-growers still dealing with impacts of fall '20 freeze

Overnight temperatures this week appear so far to have had minimal impacts on fruit trees in the Grand Valley as they begin blooming, but growers are continuing to deal with lingering and significant effects of damage to trees and grapevines from a freak October 2020 freeze.

The damage occurred due to a deep freeze that suddenly hit in late October of that year, with temperatures locally falling to as low as single digits, after what had been a mild fall. Many trees and grapevines hadn't yet hardened off for winter, leaving them vulnerable to freeze damage.

The third working group's Intergovernmental Panel on Climate Change (***IPCC***) report[4] is the final of what is now the 6th installment of this detailed, thorough assessment of global climate science. And this one 'Mitigation of Climate Change,' is all about what we can do to avert far worse consequences[5] from climate change. These include massive disruptions to the food systems and to agriculture.

And the key take-away is that there is still time to act, but just barely.

The good news is that we have better practices and technologies that give us the ability today to make these changes right now. The bad news is that powerful and entrenched interests do not want to make the changes that the overwhelming weight of climate science says that we must.

For the first time, this international body of scientists from nearly 200 nations points a finger squarely at the deliberate disinformation these vested interests[6] have intentionally spread as the globe has heated toward disaster.

And the ***IPCC*** report calls out[7] the role that the media have played in propagating this deadly climate disinformation.

The barriers now are the fossil fuel industry's politicians, pundits, and propaganda.

Buried in the report's Technical Summary are a few key mentions that explain why the global community is failing to act in its own obvious best interest. Or, more accurately, who is erecting barriers to acting on the global consensus that we need to reduce warming to under 1.5C.

'Opposition from status quo interests' to things like funding for climate programs 'act as barriers to establishing and implementing stringent climate policies covering all sectors,' according to the ***IPCC*** report.

Some people will never 'believe' science[8]. Others will always lie about it[9] despite knowing better if it suits their own vested interests. The role of journalism is to get to the facts, to uncover connections and causes, and to explain what the best and most credible information says about a subject.

In a republic the role of media is also to inform the citizenry. This allows us, the people, to keep an eye on public policy and to stay engaged with the exercise of self-governance. Good and thorough information allows the governed to hold policy-makers, and public influencers, to account when their actions fall short.

In a crisis the role of media is to provide the information that can help us avert it. Many in the media, in their failure to properly report on the climate crisis are not inconsequential players in the delay to action which has now brought us to this critical, and this crisis, moment.

Of course journalism can also convey best available information, connecting it to actual stories - like loss of major fruit crops on the Western Slope, what the article describes as a 'freak' freeze - to the moment at hand and to what the science says.

Extreme weather events and the havoc they bring to infrastructure, to public safety and health, and to the food supply, will only get worse and far more costly for each moment we fail to act.

Media can provide pertinent and sufficient information that we may respond accordingly and act in time. Or it can perpetuate misinformation further impeding action. This time the consequences of that choice are beyond severe.

[ 1]: [*https://www.****ipcc****.ch/srccl/chapter/chapter-5/*](https://www.ipcc.ch/srccl/chapter/chapter-5/) [ 2]: [*https://link.springer.com/article/10.1007/s10584-018-2220-4*](https://link.springer.com/article/10.1007/s10584-018-2220-4) [ 3]: [*https://www.gjsentinel.com/news/fruit-growers-still-dealing-with-impacts-of-fall-20-freeze/article\_0bf8c598-b6c6-11ec-b5f0-1f72797184dc.html*](https://www.gjsentinel.com/news/fruit-growers-still-dealing-with-impacts-of-fall-20-freeze/article_0bf8c598-b6c6-11ec-b5f0-1f72797184dc.html) [ 4]: [*https://www.****ipcc****.ch/working-group/wg3/*](https://www.ipcc.ch/working-group/wg3/) [ 5]: [*https://www.theverge.com/2022/4/4/23009804/united-nations-climate-change-report-greenhouse-emissions-2030-****ipcc***](https://www.theverge.com/2022/4/4/23009804/united-nations-climate-change-report-greenhouse-emissions-2030-ipcc) [ 6]: [*https://www.independent.co.uk/climate-change/news/****ipcc****-report-climate-misinformation-joe-rogan-b2024579.html*](https://www.independent.co.uk/climate-change/news/ipcc-report-climate-misinformation-joe-rogan-b2024579.html) [ 7]: [*http://redgreenandblue.org/2022/04/06/new-****ipcc****-report-says-denial-drives-polarization-undermines-climate-action-among-things/*](http://redgreenandblue.org/2022/04/06/new-ipcc-report-says-denial-drives-polarization-undermines-climate-action-among-things/) [ 8]: [*https://www.amazon.com/Climate-Change-Ultimate-Environmental-Hoax/dp/B09TF4F7ZS*](https://www.amazon.com/Climate-Change-Ultimate-Environmental-Hoax/dp/B09TF4F7ZS) [ 9]: [*https://www.npr.org/2021/07/01/1012138741/exxon-lobbyist-caught-on-video-talks-about-undermining-bidens-climate-push*](https://www.npr.org/2021/07/01/1012138741/exxon-lobbyist-caught-on-video-talks-about-undermining-bidens-climate-push)

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[***UN climate panel calls for historic shift to renewable energy***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BFC1-JCMN-Y3HF-00000-00&context=1516831)

Newstex Blogs

Axios

April 4, 2022 Monday 4:20 PM EST

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**Length:** 1075 words

**Byline:** Andrew Freedman

**Body**

Apr 04, 2022( Axios: [*https://link.axios.com/join/am-signup?source=aci*](https://link.axios.com/join/am-signup?source=aci) Delivered by Newstex)

A major new report[1] from the UN Intergovernmental Panel on Climate Change calls for an urgent shift away from fossil fuels toward renewable energy technologies in order to rein in global warming.

Why it matters: The ***IPCC***'s assessment reports set the terms of the climate debate with world leaders, CEOs and activists. A 2018 report[2] galvanized a global youth protest movement.

The report, the third and final chapter in a broader assessment of climate science, focuses on what can be done to limit climate change. It concludes that the chances of meeting the most aggressive Paris Agreement temperature target — 1.5C of warming above preindustrial levels — is slipping out of reach. The report includes a lengthy section on the role for carbon removal technologies, saying they are "unavoidable" in order to achieve net zero emissions.However, the authors place greater emphasis on the need to reduce emissions as much as possible in industry, transportation, land use and other sectors.The report reserves carbon removal for sectors such as certain industrial processes that are especially difficult to move away from fossil fuels. By the numbers: The report calls for global greenhouse gas emissions to peak by 2025, and effectively rules out the possibility of limiting warming to 1.5 degrees without at least temporarily shooting past that temperature target. The ***IPCC*** has shown that potentially catastrophic impacts of global warming[3], such as the loss of warm water coral reefs, are far more likely to occur if warming exceeds the 1.5-degree guard rail. The big picture: The report highlights that, during the last decade, average annual greenhouse gas emissions were at their highest levels in human history. The report finds that if global carbon dioxide emissions continue at current rates, the remaining "carbon budget" for keeping warming to the Paris Agreement's target "will be exhausted before 2030." Without the enactment of more stringent emissions reduction policies, the world is headed for median global warming of 3.2C (5.76F) by 2100, the report states. This much warming would have severe consequences for people and ecosystems, potentially destabilizing large parts of the Antarctic and Greenland ice sheets, and even rendering parts of the globe unlivable for parts of each year due to extreme heat. To lower emissions, the ***IPCC*** points to the increasing affordability of renewable energy technologies, noting the decreases of up to 85% in the costs of solar, wind and batteries since 2010. And in a departure from the last ***IPCC*** assessment report in 2014, it paints a darker future for the future use of fossil fuels. The report finds far greater investments are needed to scale up renewable energy technologies, with current investments falling short by three to six times compared to what is needed to limit warming to below 2C by 2100. The report also finds that lifestyle changes, if paired with sweeping policy changes in transport, buildings and other sectors, could result in significant emissions reductions by 2050. However, individual lifestyle changes alone are insufficient to curtail climate change. The intrigue: According to the ***IPCC***, limiting warming to 2C or below, as called for under the Paris Agreement, will effectively render fossil fuel assets, such as untapped reserves and power plants already in use, unusable. These facilities would then be known as "stranded assets." The report warns that coal — the most carbon intensive energy source — is the most vulnerable to becoming stranded assets during the coming decade, with oil and gas infrastructure increasingly rendered unusable toward midcentury.About 30% of oil, 50% of gas, and 80% of coal reserves would be unusable if warming is to be limited to the Paris Agreement's 2C target, the report states. What they're saying: The report underscores the urgency of cutting emissions at a time when boosting fossil fuel production[4] is on the agenda, due to Russia's war in Ukraine[5]. "Climate activists are sometimes depicted as dangerous radicals," said UN Secretary-General António Guterres, in a statement. "But the truly dangerous radicals are the countries that are increasing the production of fossil fuels." Go deeper: Behind the curtain of the UN's climate panel[6]

[ 1]: [*https://www.****ipcc****.ch/report/ar6/wg3/?utm\_campaign=****IPCC****+2022+-+WG+2+%26+3&utm\_medium=email&\_hsmi=208924295&\_hsenc=p2ANqtz--iDN0rH91zS2gZ7HZDBnTLQFvOiXkuYwtCrSGDXsy811ujzdeEs1atpe14Dr\_TZ5aVv\_J4-yv0buV1HnncYvMAWz1DV94s0coDWQhI0bCwzLmqgro&utm\_content=208924295&utm\_source=hs\_email*](https://www.ipcc.ch/report/ar6/wg3/?utm_campaign=IPCC+2022+-+WG+2+%26+3&utm_medium=email&_hsmi=208924295&_hsenc=p2ANqtz--iDN0rH91zS2gZ7HZDBnTLQFvOiXkuYwtCrSGDXsy811ujzdeEs1atpe14Dr_TZ5aVv_J4-yv0buV1HnncYvMAWz1DV94s0coDWQhI0bCwzLmqgro&utm_content=208924295&utm_source=hs_email) [ 2]: [*https://www.axios.com/un-report-warns-time-is-running-out-global-warming-action-00c54c44-2bca-4ffc-be91-b79a9641eed5.html*](https://www.axios.com/un-report-warns-time-is-running-out-global-warming-action-00c54c44-2bca-4ffc-be91-b79a9641eed5.html) [ 3]: [*https://www.axios.com/un-climate-change-****ipcc****-2022-053ce9eb-0ac4-4b2e-b8ef-554a92769c8b.html*](https://www.axios.com/un-climate-change-ipcc-2022-053ce9eb-0ac4-4b2e-b8ef-554a92769c8b.html) [ 4]: [*https://www.axios.com/oil-production-surge-biden-gas-d9667728-b796-41d1-bf33-4e651b5ebf9b.html*](https://www.axios.com/oil-production-surge-biden-gas-d9667728-b796-41d1-bf33-4e651b5ebf9b.html) [ 5]: [*https://www.axios.com/climate-spillover-russia-ukraine-war-91a11acb-5c23-440a-b011-ce71195af044.html*](https://www.axios.com/climate-spillover-russia-ukraine-war-91a11acb-5c23-440a-b011-ce71195af044.html) [ 6]: [*https://www.axios.com/climate-panel-****ipcc****-clues-next-report-embeds-study-33728d4d-f5f5-4620-b6ef-82e496c8263c.html*](https://www.axios.com/climate-panel-ipcc-clues-next-report-embeds-study-33728d4d-f5f5-4620-b6ef-82e496c8263c.html)

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[***Debate over pivotal climate report breaks record***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BFC1-JCMN-Y3GW-00000-00&context=1516831)

Newstex Blogs

Axios

April 4, 2022 Monday 1:20 PM EST

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**Length:** 879 words

**Byline:** Andrew Freedman

**Body**

Apr 04, 2022( Axios: [*https://link.axios.com/join/am-signup?source=aci*](https://link.axios.com/join/am-signup?source=aci) Delivered by Newstex)

An agenda-driving United Nations climate report is about to drop that will lay out pathways toward a lower-carbon, more resilient and less perilous future.

The intrigue: It was supposed to surface hours ago, but negotiations between UN Intergovernmental Panel on Climate Change (***IPCC***) scientists and the panel's government representatives blew way past their deadline.

And that's revealing. Countries were mired in battles over how to wordsmith key conclusions, including the need to quickly shift away from fossil fuels, and the necessary policy, financial assistance and technological levers to pull to accomplish this.The heated discussion — the longest in three decades[1] of these big ***IPCC*** reports — reflected the fact that we are at a climate change hinge point. Why it matters: The ***IPCC***'s assessment reports set the terms of the climate debate with world leaders, CEOs and activists. A 2018 report[2] galvanized a global youth protest movement. There is no time left to delay action to have any chance of meeting the Paris Agreement's temperature targets. The agreement's more ambitious target of limiting warming to 1.5C above preindustrial levels is already slipping out of reach. Context: The report's expected call for radical changes is a huge departure from current policies and ways of doing business worldwide. While scientists determine the content of the reports, the summaries are negotiated by consensus between scientists and policymakers. One country's objection to a single word can hold up the entire process.In this case, multiple countries were reported[3] to have raised issues[4] with different sections of the text[5].The combo of scientists and government representatives is unique to the ***IPCC*** and serves to encourage government buy-in.The summary for policymakers is what most people in power will read. This is another reason for the word-by-word approval process, conducted via Zoom due to pandemic-related restrictions. (Screenshots[6] of co-authors' faces during the debate, via IISD[7] and Columbia's Andrew Revkin, suggest what these sessions were like.) What we're watching: Previously released[8] ***IPCC*** reports in the past year, part of the same broader 2021-2022 assessment, starkly laid out how swiftly the globe is warming, with the effects evident from the deep sea to the tallest mountain peaks. They also established the case for making changes that are transformational in how we live. Now the new, third chapter will spell out our options in unprecedented detail, calling for rapid and drastic emissions cuts well beyond what any country is close to accomplishing, along with the development of as yet unproven climate tech such as direct air capture. The report may warn that such technologies are as yet unproven at scale and may have significant downsides. The bottom line: The emissions trends and policies being put into place right now are either the exact opposite of what this report will recommend (a push for more oil and gas drilling) or in some cases just don't go nearly far enough (voluntary emissions reduction pledges).

[ 1]: [*https://twitter.com/JPvanYpersele/status/1510709441259319302?s=20&t=i\_AyyxIqDf83aJhwC9RAsA*](https://twitter.com/JPvanYpersele/status/1510709441259319302?s=20&t=i_AyyxIqDf83aJhwC9RAsA) [ 2]: [*https://www.axios.com/un-report-warns-time-is-running-out-global-warming-action-00c54c44-2bca-4ffc-be91-b79a9641eed5.html*](https://www.axios.com/un-report-warns-time-is-running-out-global-warming-action-00c54c44-2bca-4ffc-be91-b79a9641eed5.html) [ 3]: [*https://www.theguardian.com/environment/2022/apr/03/scientists-urge-end-to-fossil-fuel-use-as-landmark-ippc-report-readied*](https://www.theguardian.com/environment/2022/apr/03/scientists-urge-end-to-fossil-fuel-use-as-landmark-ippc-report-readied) [ 4]: [*https://www.bbc.com/news/science-environment-60959306*](https://www.bbc.com/news/science-environment-60959306) [ 5]: [*https://apnews.com/article/climate-united-nations-paris-europe-environment-ab591f2cae6a14adb294492e6b10441b*](https://apnews.com/article/climate-united-nations-paris-europe-environment-ab591f2cae6a14adb294492e6b10441b) [ 6]: [*https://twitter.com/Revkin/status/1510683861998579721?s=20&t=VZhHzdp5VKag1wtXDT\_j6w*](https://twitter.com/Revkin/status/1510683861998579721?s=20&t=VZhHzdp5VKag1wtXDT_j6w) [ 7]: [*https://enb.iisd.org/56th-session-intergovernmental-panel-climate-change-****ipcc****-56-14th-session-working-group-III-3April2022*](https://enb.iisd.org/56th-session-intergovernmental-panel-climate-change-ipcc-56-14th-session-working-group-III-3April2022) [ 8]: [*https://www.axios.com/un-climate-report-global-warming-faster-****ipcc****-003e9e0b-ae85-4298-ad0c-09fe163b74f4.html*](https://www.axios.com/un-climate-report-global-warming-faster-ipcc-003e9e0b-ae85-4298-ad0c-09fe163b74f4.html)

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[***Global hub launched to help countries slash methane emissions***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9JS1-JCMN-Y0D5-00000-00&context=1516831)

Newstex Blogs

Climate Home News

April 5, 2022 Tuesday 4:00 PM EST

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**Length:** 1144 words

**Byline:** Isabelle Gerretsen

**Body**

Apr 05, 2022( Climate Home News: [*http://www.climatechangenews.com*](http://www.climatechangenews.com) Delivered by Newstex)

A global hub to slash methane emissions was launched this week as leading scientists advised that reducing the short-lived gas is essential to limit dangerous levels of warming.

Set up with $340 million of philanthropic funding, the Global Methane Hub will offer grants and technical support to implement the Global Methane Pledge.

Launched by the US and EU at Cop26 climate talks in November, 110 countries have signed up[1] to the pledge to date, committing to collectively reduce their methane emissions by 30% between 2020 and 2030. That is roughly in line with what is needed to keep a 1.5C warming limit within reach, according to the Intergovernmental Panel on Climate Change (***IPCC***) in its latest report[2] on Monday.

Marcelo Mena, the former environment minister of Chile and director of the Climate Action Center at the Pontificia Universidad Católica de Valparaso, will lead the hub.

The first 10% of funds is earmarked for the UN's Climate and Clean Air Coalition (CCAC), which will work with 30 developed and developing countries to establish plans over the next three years to achieve the 2030 target.

'We'll be helping all countries who'd like to develop national methane reduction plans, sharing the scientific, technical and regulatory expertise,' Drew Shindell, CCAC's special advisor for action on methane, told Climate Home News.

Five takeawaysfrom the ***IPCC***'s report on limiting dangerous global heating[3]

Methane contributes significantly to global warming. Although it only stays in the atmosphere for around nine years[4], methane has a warming impact 84 times that of CO2 over a 20-year period[5].

A paper in Environmental Research Letters[6] last year found an all-out, rapid effort to slash methane emissions could slow the rate of current warming by 30% and avoid 0.5C of warming by the end of the century.

Tackling methane provides a 'short-term climate win,' Shindell said. 'Actions to reduce it can rapidly slow warming whereas decarbonisation provides needed long-term, but not near-term, climate relief.'

The aim is for all these countries to set specific methane targets in their national climate plans, in updates ahead of Cop27 in Egypt this year, Mena told Climate Home News.

'The quick wins are in the oil and gas sector,' Mena said, while emissions from farming and waste also need attention.

The oil and gas industry could achieve a 75% reduction in methane emissions by 2030 using existing technology, according to the International Energy Agency[7]. And it need not be expensive: the ***IPCC*** estimates 50-80% of methane emissions from fossil fuel operations could be slashed at a cost of less than $50 per tonne of CO2 equivalent.

'Inaction on methane is not a technology or science problem, it is very much a political and organisational problem,' said energy analyst Poppy Kalesi.

Saudi Arabiadilutes fossil fuel phase out language with techno fixes in ***IPCC*** report[8]

Rubbish tips are an enormous problem and must be addressed, Mena said. Satellite images show[9] that landfill sites in the US have been leaking methane at rates as much as six times higher than estimated by the Environmental Protection Agency.

The other major source of methane emissions, responsible for almost 40%[10], is farming. A cow produces an average of 250-500 litres of methane a day[11] from digesting grass.

The ***IPCC*** report said that behaviour and lifestyle changes, such as reducing meat consumption and shifting to plant-based diets, are an important part of the solution.

'We have a food system that is not healthy for people or the planet,' said Mena. 'We need to build the groundwork for transformational change in our food system.'

Better livestock manure management and changing the diet of livestock could help curb methane emissions from agriculture. There are a host of methane-busting products being trialed, ranging from laboratory-made probiotics to natural additives such as seaweed[12] and charcoal[13].

Research from the University of California, Davis[14], for example, has found that feeding seaweed to cows significantly reduced the amount of methane from their burps and farts.

'We need to tackle the neglected sectors of waste management and the food system to reduce methane emissions,' said Mena.

[ 1]: [*https://www.climatechangenews.com/2021/11/02/100-countries-join-methane-pledge-china-india-australia-russia-stay/*](https://www.climatechangenews.com/2021/11/02/100-countries-join-methane-pledge-china-india-australia-russia-stay/) [ 2]: [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_FinalDraft\_FullReport.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_FinalDraft_FullReport.pdf) [ 3]: [*https://www.climatechangenews.com/2022/04/04/five-takeaways-from-the-ipccs-report-on-limiting-dangerous-global-heating/*](https://www.climatechangenews.com/2022/04/04/five-takeaways-from-the-ipccs-report-on-limiting-dangerous-global-heating/) [ 4]: [*https://essd.copernicus.org/articles/12/1561/2020/*](https://essd.copernicus.org/articles/12/1561/2020/) [ 5]: [*https://unece.org/challenge*](https://unece.org/challenge) [ 6]: [*https://iopscience.iop.org/article/10.1088/1748-9326/abf9c8*](https://iopscience.iop.org/article/10.1088/1748-9326/abf9c8) [ 7]: [*https://www.iea.org/reports/methane-emissions-from-oil-and-gas*](https://www.iea.org/reports/methane-emissions-from-oil-and-gas) [ 8]: [*https://www.climatechangenews.com/2022/04/04/saudi-arabia-dilutes-fossil-fuel-phase-out-language-with-techno-fixes-in-****ipcc****-report/*](https://www.climatechangenews.com/2022/04/04/saudi-arabia-dilutes-fossil-fuel-phase-out-language-with-techno-fixes-in-ipcc-report/) [ 9]: [*https://www.reuters.com/business/sustainable-business/methane-menace-aerial-survey-spots-super-emitter-landfills-2021-06-18/*](https://www.reuters.com/business/sustainable-business/methane-menace-aerial-survey-spots-super-emitter-landfills-2021-06-18/) [ 10]: [*https://www.humanesociety.org/sites/default/files/archive/assets/pdfs/farm/hsus-fact-sheet-greenhouse-gas-emissions-from-animal-agriculture.pdf*](https://www.humanesociety.org/sites/default/files/archive/assets/pdfs/farm/hsus-fact-sheet-greenhouse-gas-emissions-from-animal-agriculture.pdf) [ 11]: [*https://academic.oup.com/jas/article-abstract/73/8/2483/4632901*](https://academic.oup.com/jas/article-abstract/73/8/2483/4632901) [ 12]: [*https://www.bbc.co.uk/news/uk-england-leeds-59218608*](https://www.bbc.co.uk/news/uk-england-leeds-59218608) [ 13]: [*https://www.bbc.com/future/article/20200206-can-charcoal-cut-cows-methane-to-fight-climate-change*](https://www.bbc.com/future/article/20200206-can-charcoal-cut-cows-methane-to-fight-climate-change) [ 14]: [*https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0247820#sec016*](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0247820#sec016)

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[***Reality Cannot Penetrate Into The Fantasy World Of Climate Campaigners***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655G-89N1-F03R-N03N-00000-00&context=1516831)

Newstex Blogs

Watts Up With That?

April 6, 2022 Wednesday 2:11 PM EST

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**Length:** 1413 words

**Byline:** Guest Blogger

**Body**

Apr 06, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

From the MANHATTAN CONTRARIAN[1]

Francis Menton[2]

It was only a few weeks ago when the UN's International Energy Agency issued its Report on 'CO2 Emissions in 2021.'[3] (The Report does not bear a precise date, but only 'March 2022.') I covered the IEA's Report in my previous post a few days ago[4]. The Report gives detail as to the obvious fact that world CO2 emissions, after a downward blip in 2020 due to the Covid pandemic, have resumed their rapid increase, mostly attributable to massive deployment of coal-fired electricity generation resources in large-population developing countries like China and India.

In any rational world, this Report would have to have dashed any remaining dreams of climate campaigners that overall world CO2 emissions would see anything but large ongoing increases for the foreseeable future. The climate-obsessed jurisdictions in the U.S. and Europe already represent only a shrinking minority of world energy consumption, headed for insignificance as the large-population countries of the developing world join the fossil fuel age. For example, why would a small-population jurisdiction like New York — with about 20 million people, compared to about 2.8 billion for the combination of China and India, and with existing fossil-fuel electricity generation capacity of about 25 GW[5] — struggle to reduce its fossil-fueled electricity generation by, say, one GW per year, when China alone is adding 38 GW of coal-fired power plants this year, and another 47 GW next year,[6] with hundreds more gigawatts worth of coal plants already in the pipeline?

The answer is that reality just can't penetrate into the fantasy world of the climate campaigners.

To prove my point, another UN agency, the ***IPCC***, came out just yesterday with its own Report with the title 'Climate Change 2022: Mitigation of Climate Change.'[7] This is the output of the ***IPCC***'s so-called Working Group III, the portion of the 'AR6' assessment report that deals with 'mitigation' strategies. In the aggregate, this new Report has some 3000 pages. For those without the tolerance to wade through that kind of volume, here is the Summary for Policy Makers[8]; and here is the press release[9]; and here is a piece over at Bloomberg titled 'Five Takeaways from the UN's Latest 3,000-Page Climate Report.'[10]

Let's start with the press release. The headline is 'The evidence is clear: the time for action is now. We can halve emissions by 2030.' A few pithy excerpts:

Without immediate and deep emissions reductions across all sectors, limiting global warming to 1.5C is beyond reach. However, there is increasing evidence of climate action, said scientists in the latest Intergovernmental Panel on Climate Change (***IPCC***) report released today. . . . 'We are at a crossroads. The decisions we make now can secure a liveable future. We have the tools and know-how required to limit warming,' said ***IPCC*** Chair Hoesung Lee. 'I am encouraged by climate action being taken in many countries. There are policies, regulations and market instruments that are proving effective. If these are scaled up and applied more widely and equitably, they can support deep emissions reductions and stimulate innovation.'

OK guys, how exactly are you going to 'halve emissions by 2030' with China going all-out to build new coal plants on a scale far beyond anything the world has ever seen, and India (with population almost as large as China) not far behind, and the rest of Asia and all of Africa waiting in the wings? You will not find the answer. Go through the press release and the SPM and all you find is studious avoidance of any mention of the development plans of places like China and India. Even the names 'China' and 'India' appear to be on some kind of taboo list. For example, here from the SPM is a chart of total world GHG emission since 1990:

Eastern Asia? I wonder who that could be.

As you would expect from these people, there is the usual assertion, based on the completely deceptive 'levelized costs,' that wind and solar electricity generation are now as cheap or cheaper than generation by fossil fuels. Four 'renewable' technologies are considered: onshore wind, offshore wind, solar photovoltaic, and concentrated solar. From page 14 of the SPM:

In 2020, the levelised costs of energy (LCOE) of the four renewable energy technologies could compete with fossil fuels in many places.. . . LCOE . . . includes installation, capital, operations, and maintenance costs per MWh of electricity produced. The literature uses LCOE because it allows consistent comparisons of cost trends across a diverse set of energy technologies to be made.

The SPM does mention that LCOE 'does not include grid integration costs,' but fails to note that those are almost certainly a large multiple of what is included in the LCOE measure.

So perhaps you might think, this can't possibly be fooling anybody. If so, you are not understanding the depths of ignorance and incompetence that pervade our governing class here in New York. As I previously reported back in December[11], our City Council had just passed a new local law banning any new building from using natural gas for heat or cooking starting in 2024 for smaller buildings and 2027 for larger. That was just the City, but now the entire State wants to get in on the game. From Reuters yesterday[12]:

New York Governor Kathy Hochul will soon release a budget that likely will include a plan to make New York the first state to ban natural gas and other fossil fuels in new construction, according to Food & Water Watch and other environmental groups. . . . In her State of the State address in January, Hochul committed to 'zero on-site greenhouse gas emissions for new construction no later than 2027.'

Read the full post at the MANHATTAN CONTRARIAN[13]

Article Rating

[ 1]: [*https://www.manhattancontrarian.com/blog/2022-4-5-reality-cannot-penetrate-into-the-fantasy-world-of-climate-campaigners*](https://www.manhattancontrarian.com/blog/2022-4-5-reality-cannot-penetrate-into-the-fantasy-world-of-climate-campaigners) [ 2]: [*https://www.manhattancontrarian.com/?author=503a7965e4b0b543ed24305c*](https://www.manhattancontrarian.com/?author=503a7965e4b0b543ed24305c) [ 3]: [*https://www.iea.org/reports/global-energy-review-co2-emissions-in-2021-2*](https://www.iea.org/reports/global-energy-review-co2-emissions-in-2021-2) [ 4]: [*https://www.manhattancontrarian.com/blog/2022-4-2-china-continues-to-laugh-at-western-green-energy-foolishness*](https://www.manhattancontrarian.com/blog/2022-4-2-china-continues-to-laugh-at-western-green-energy-foolishness) [ 5]: [*https://www.nyiso.com/documents/20142/2223020/2021-Power-Trends-Report.pdf/471a65f8-4f3a-59f9-4f8c-3d9f2754d7de*](https://www.nyiso.com/documents/20142/2223020/2021-Power-Trends-Report.pdf/471a65f8-4f3a-59f9-4f8c-3d9f2754d7de) [ 6]: [*https://www.manhattancontrarian.com/blog/2022-4-2-china-continues-to-laugh-at-western-green-energy-foolishness*](https://www.manhattancontrarian.com/blog/2022-4-2-china-continues-to-laugh-at-western-green-energy-foolishness) [ 7]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 8]: [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_SummaryForPolicymakers.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_SummaryForPolicymakers.pdf) [ 9]: [*https://www.****ipcc****.ch/2022/04/04/****ipcc****-ar6-wgiii-pressrelease/*](https://www.ipcc.ch/2022/04/04/ipcc-ar6-wgiii-pressrelease/) [ 10]: [*https://www.bloomberg.com/news/articles/2022-04-04/five-takeaways-from-the-un-s-latest-3-000-page-climate-report*](https://www.bloomberg.com/news/articles/2022-04-04/five-takeaways-from-the-un-s-latest-3-000-page-climate-report) [ 11]: [*https://www.manhattancontrarian.com/blog/2021-12-17-which-country-or-us-state-will-be-the-first-to-hit-the-renewable-energy-wall*](https://www.manhattancontrarian.com/blog/2021-12-17-which-country-or-us-state-will-be-the-first-to-hit-the-renewable-energy-wall) [ 12]: [*https://www.reuters.com/business/environment/new-york-set-ban-natural-gas-new-buildings-environmental-groups-2022-04-04/*](https://www.reuters.com/business/environment/new-york-set-ban-natural-gas-new-buildings-environmental-groups-2022-04-04/) [ 13]: [*https://www.manhattancontrarian.com/blog/2022-4-5-reality-cannot-penetrate-into-the-fantasy-world-of-climate-campaigners*](https://www.manhattancontrarian.com/blog/2022-4-5-reality-cannot-penetrate-into-the-fantasy-world-of-climate-campaigners)

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[***The Dread 1.5 Degree Target Is Dead***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6562-SX61-JCMN-Y3WM-00000-00&context=1516831)

Newstex Blogs

PA Pundits

April 9, 2022 Saturday 4:07 AM EST

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**Byline:** PA Pundits - International

**Body**

Apr 09, 2022( PA Pundits: [*http://papundits.wordpress.com*](http://papundits.wordpress.com)/ Delivered by Newstex)

By David Wojick, Ph.D. ~

A foolish end to a foolish target- limiting global warming to 1.5 degrees C. That is the warming from 150 years ago, just 0.5 degrees or less from today forward. Of course this is all according to the worthless computer models, but let's go with the flow.

The massive new ***IPCC*** report[1] makes it clear. You can't get there from here (not that we wanted to). Not by any even reasonably possible means, so the target will be missed (according to the models). What will the alarmists do without their beloved target?

It is all about something called the 'carbon budget'. Unlike the climate, and the climate models for that matter, the carbon budget is very simple. It is how much CO2 the human race is allowed to emit in order to stay below the target warming.

Not how much this year, or this decade, or even this century. This is the limit forever. So enjoy it while you can because time is very short, or so says the ***IPCC*** report. In fact time is up, over and past.

First, here is the budget: The ***IPCC*** says 'the current central estimate of the remaining carbon budget from 2020 onwards for limiting warming to 1.5C with a probability of 50% has been assessed as 500 Gt CO2'

500 Gigatons is a suspiciously round number but never mind. Just how big is it? The ***IPCC*** explains it nicely: '. cumulative net CO2 emissions between 2010-2019 compare to about four fifths of the size of the remaining carbon budget from 2020 onwards for a 50% probability of limiting global warming to 1.5C'

So our forever budget, starting in 2020, is just a bit bigger than our emissions in the last decade! That is it, for all eternity. Note that even then we are just buying a 50% chance of staying under the dread 1.5 degree target. Not a good way to bet the global economy.

But our emissions are not going down, in fact they are still going up. Nor can they possibly come down enough to make any difference. We do not have time to open all the mines and build all the factories (after getting all the permits!) then make, install and operate all the stuff we would need to meet that budget (after getting all the permits). In fact building all this stuff might well double our emissions for the next ten years. Oh wait, we have less than 8 years.

The conclusion is obvious. We are going to burn the carbon budget and keep on emitting many hundreds of gigatons of CO2 after that. There is no feasible way not to.

So how are the alarmists going to handle this failure? They have foolishly hyped their way into a corner.

The standard way the 1.5 degree target is explained in the green media is 'to avoid the worst effects of climate change' but that has always been nonsense. The worst effects would occur at 6 degrees or more, not as we pass 1.5 degrees.

There is nothing in the science about a 1.5 degree threshold. No tipping point, no catastrophe, no emergency. Nothing at all, so it is a made up number. The models get a little bit worse with every temperature increase, but just a tiny bit and passing 1.5 degrees is no different than passing any other level. When it comes to being the threshold to catastrophe, there is no there there.

In this very real sense the reported 1.5 degree threshold to catastrophe is a hoax. Except the people pushing it do not know that, so it is more of a colossal blunder. Except the ***IPCC*** does know it and has never corrected the activists and governments that are calling the meeting of this harmless target an emergency. This makes it a hoax by omission.

I have no idea what the alarmists will do as they finally admit that the 1.5 degree target cannot be met. But it should be fun to watch.

David Wojick [2]contributes Posts at the CFACT[3] site. He is an independent analyst working at the intersection of science, technology and policy.

Read more excellent articles at CFACT[4] [*http://www.cfact.org*](http://www.cfact.org)/[5]

[ 1]: [*https://www.cfact.org/2022/04/05/read-the-un-****ipcc****-mitigation-report/*](https://www.cfact.org/2022/04/05/read-the-un-ipcc-mitigation-report/) [ 2]: [*http://www.cfact.org/author/dwojick/*](http://www.cfact.org/author/dwojick/) [ 3]: [*http://www.cfact.org*](http://www.cfact.org)/ [ 4]: [*http://www.cfact.org*](http://www.cfact.org)/ [ 5]: [*http://www.cfact.org*](http://www.cfact.org)/

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[***The 'climate change' scam***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655G-89N1-F03R-N1YB-00000-00&context=1516831)

Newstex Blogs

Prairie Pundit

April 6, 2022 Wednesday 2:20 PM EST

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**Body**

Apr 06, 2022( Prairie Pundit: [*http://prairiepundit.blogspot.com*](http://prairiepundit.blogspot.com)/ Delivered by Newstex)

Jack Hellner:[1]

Once again, the U.N. intergovernmental Panel on Climate Change is warning that we are doomed. The media, the Biden administration, and the ***IPCC*** like to scare people. Thisarticle[2]by Yahoo News senior editor Ben Adler does not answer simple questions.

The Intergovernmental Panel on Climate Change on Monday released its latest report, which found that nations are falling short of their pledges to reduce greenhouse gas emissions in order toavert catastrophic climate change[3]. While the technology exists to stay below 1.5 degrees Celsius (2.7 Fahrenheit) of average global temperature increase — the goal that virtually every nation agreed to in the2015 Paris climate agreement[4]and reaffirmed last year in theGlasgow Climate Pact[5]— current policies put the world on a trajectory toward at least twice as much warming.

United Nations Secretary-General António Guterres called the report's conclusion "damning." The Working Group III report marks the end of the ***IPCC***'s Sixth Assessment, with strong words for countries that have failed to act on climate change.

"The jury has reached a verdict. And it is damning," Guterres said in a statement. "This report of the Intergovernmental Panel on Climate Change is a litany of broken climate promises. It is a file of shame, cataloging the empty pledges that put us firmly on track towards an unlivable world." (snip)

Without a dramatic shift in policy, Guterres warned, "We are on a fast track to climate disaster: Major cities under water. Unprecedented heatwaves. Terrifying storms. Widespread water shortages. The extinction of a million species of plants and animals."

In 1989, the ***IPCC*** said we hadonlyten years left[6]!

...

Isn't the temperature on the globe today similar to what it was during the medieval warming period, when fossil fuels and humans weren't causing warming?

Wouldn't a one- to two-degree temperature rise be normal after a 550-year ice age ended in the mid-1800s?

...

For the last 50 years or so the climate kooks have been telling us we have 10 years until doomsday. It is amazing that anyone believes them now. Here is your weekly reminder that the poles are still not ice-free and coastal cities are still not underwater.

[ 1]: [*https://www.americanthinker.com/blog/2022/04/why\_dont\_the\_media\_ever\_ask\_why\_previous\_****ipcc****\_predictions\_have\_been\_so\_wrong.html*](https://www.americanthinker.com/blog/2022/04/why_dont_the_media_ever_ask_why_previous_ipcc_predictions_have_been_so_wrong.html) [ 2]: [*https://news.yahoo.com/****ipcc****-window-to-avert-catastrophic-climate-change-is-quickly-closing-161926811.html*](https://news.yahoo.com/ipcc-window-to-avert-catastrophic-climate-change-is-quickly-closing-161926811.html) [ 3]: [*https://www.yahoo.com/tagged/climate-change*](https://www.yahoo.com/tagged/climate-change) [ 4]: [*https://news.yahoo.com/biden-trump-apology-climate-glasgow-161012133.html*](https://news.yahoo.com/biden-trump-apology-climate-glasgow-161012133.html) [ 5]: [*https://news.yahoo.com/nations-reach-climate-change-agreement-in-glasgow-but-follow-through-remains-in-doubt-200849900.html*](https://news.yahoo.com/nations-reach-climate-change-agreement-in-glasgow-but-follow-through-remains-in-doubt-200849900.html) [ 6]: [*https://www.fraserinstitute.org/sites/default/files/is-climate-catastrophe-really-10-years-away.pdf*](https://www.fraserinstitute.org/sites/default/files/is-climate-catastrophe-really-10-years-away.pdf)

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[***Scientists To Biden: Don't Ramp Up #FossilFuels — Food & #Water Watch #ActOnClimate***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6564-4MP1-JCMN-Y34Y-00000-00&context=1516831)

Newstex Blogs

Coyote Gulch

April 9, 2022 Saturday 2:50 PM EST

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**Byline:** Coyote Gulch

**Body**

Apr 09, 2022( Coyote Gulch: https://coyotegulch.blog/ Delivered by Newstex)

[*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_SummaryForPolicymakers.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_SummaryForPolicymakers.pdf)

Click the link to read the release on the Food & Water Watch website[1] (Mark Schlosberg):

In recent weeks President Biden and his administration have moved to increase fossil fuel production and infrastructure. These actions fly in the face of climate science, which mandates a transition off of fossil fuels right away. Now scientists are speaking out, imploring President Biden to follow through on his commitments. As a candidate, Biden promised to listen to science, but his recent actions suggest the opposite.

The increased drought, wildfires, hurricanes, and floods that we've experienced recently would have been reason enough to curb this plan. But the Ukraine crisis has brought into full view the dangers of continued reliance on fossil fuels. Europe is planning for dramatic cuts in Russian gas and looking toward new sources. Rather than going all-in on renewable energy, Europe wants increased U.S. gas imports — for over a decade to come. This is a recipe for climate disaster.

A Broken Promise — President Biden Moves to Increase Fossil Fuel Production and Infrastructure

When President Biden ran for office, he pledged to listen to science. He also pledged to stop new drilling on federal lands, and initiate a transition off of fossil fuels. He was already falling massively short on these promises before the Ukraine crisis, but now he has reversed course completely. He and his administration have urged increased fossil fuel production, rush approvals of its infrastructure, and ramped-up exports to Europe. And his plan envisions a huge increase of gas exports by 2030 — more than tripling a big increase this year.

What these exports mean for the U.S. is more drilling, fracking, pipelines through communities and massive, polluting industrial facilities. These come with a litany of safety risks and local pollution, which have devastating environmental justice and health impacts.

It also will have monumental climate impacts, according to the most recent ***IPCC*** scientific report. Global emissions continue to increase and the very narrow window to avoid even 2 degrees of warming is rapidly closing. Building more infrastructure will certainly lock us into decades of more emissions.

As UN Secretary-General António Guterres said upon the release of the ***IPCC*** report: 'Investing in new fossil fuels infrastructure is moral and economic madness.'

Failing on Climate: Lies From Leaders Will Be 'Catastrophic'

The Biden approach to climate is, unfortunately, not unique. As the ***IPCC*** report highlights, governments worldwide have broken prior commitments even though those fell far short of requirements.

The only way to avert even worse impacts is to embrace scientific reality and adopt policies matching the rapidly escalating climate emergency. This means confronting hard truths and paying the crisis more than lip service. The only way to really achieve energy independence and security is to move off of fossil fuels. That means making quick, bold investments in renewable energy and immediately halting and rolling back fossil fuels and its infrastructure. To do otherwise fails to confront what is happening. Secretary-General Guterres said: 'Some government and business leaders are saying one thing - but doing anotherSimply put, they are lying, and the results will be catastrophic.'

Scientists Implore Biden to Reverse Course Before It's Too Late

While President Biden has charted a perilous course, there's still time to reverse and confront the reality of the climate crisis. Over 275 scientists wrote Biden to implore him to act. This is directly in response to his announced plans to double down on fossil fuels and the ***IPCC*** report release. They urged him to instead take bold action to move off fossil fuels and infrastructure and reject the mad dash to increase production and exports.

The initiative for this letter is led by scientists Bob Howarth, Mark Jacobson, Michael Mann, Sandra Steingraber, and Peter Kalmus. The message is prophetic and clear in its call to action. It concludes:

'As scientists who look at data every day, we implore you to keep this promise and listen to what the scientific community is saying about fossil fuels and the climate crisis. Do not facilitate more fuel extraction and infrastructure. The impacts of climate change are already significant and we have a very narrow window to avoid runaway climate chaos. We urge you to lead boldly, take on the fossil fuel titans, and rally the country towards a renewable energy future.'

Help amplify this call to action. Join them, and all of us at Food & Water Watch in calling on President Biden to reject fossil fuels — now.

[ 1]: [*https://www.foodandwaterwatch.org/2022/04/07/biden-fossil-fuels-scientists/*](https://www.foodandwaterwatch.org/2022/04/07/biden-fossil-fuels-scientists/)

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Newstex Blogs

The Brad Blog

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**Body**

Apr 05, 2022( The Brad Blog: [*http://bradblog.com*](http://bradblog.com) Delivered by Newstex) ;;;;;

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IN TODAY'S RADIO REPORT: New U.N. ***IPCC*** report warns stopping climate change is possible, we have all the tools we need, but time is running out; PLUS: U.S. West careens between intense fires and floods, and it's going to get worse... All that and more in today's Green News Report!

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Got comments, tips, love letters, hate mail? Drop us a line at [*GreenNews@BradBlog.com*](mailto:GreenNews@BradBlog.com) [3] or right here at the comments link below. All GNRs are always archived at GreenNews.BradBlog.com[4].;

IN 'GREEN NEWS EXTRA' (see links below): Amid backsliding on climate, the renewables effort now must be tripled; Iowans for stronger restrictions on eminent domain for carbon capture pipelines; Portugal brings forward 80% clean energy target to 2026; Charging stations a bottleneck for EV adoption; Toxic development sold as a 'dream home' for Black home buyers; WHO says 99 percent of world's population breathes poor-quality air; Vital lake in Oregon could run dry within a generation; Chile set to adopt 'ecological constitution'; In the ocean, it's snowing microplastics; WA State creates first sea grass and kelp sanctuary... PLUS: It's time for journalists to talk about climate change solutions... and much, MUCH more! ...

STORIES DISCUSSED ON TODAY'S 'GREEN NEWS REPORT'...

UN ***IPCC*** releases new global assessment on climate change, both grim and hopeful:

Climate Change 2022: Mitigation of Climate Change[5] (UN Intergovernmental Panel on Climate Change):

The Working Group III report provides an updated global assessment of climate change mitigation progress and pledges, and examines the sources of global emissions. It explains developments in emission reduction and mitigation efforts, assessing the impact of national climate pledges in relation to long-term emissions goals.

VIDEO: Press conference, Climate Change 2022 - Mitigation of Climate Change[6] (UN ***IPCC***)

UN ***IPCC*** 6th Assessment on Mitigation: we have the tools, but lack political will:

UN warns Earth 'firmly on track toward an unlivable world' (AP):

Such cuts would be hard to achieve without without drastic, economy-wide measures, the panel acknowledged. It's more likely that the world will pass 1.5C and efforts will then need to be made to bring temperatures back down again, including by removing vast amounts of carbon dioxide — the main greenhouse gas — from the atmosphere. Many experts say this is unfeasible with current technologies, and even if it could be done it would be far costlier than preventing the emissions in the first place.

5 Takeaways From the U.N. Report on Limiting Global Warming[7] (NY Times):

Current pledges to cut emissions, even if nations follow through on them, won't stop temperatures from rising to risky new levels.

The world is running out of options to hit climate goals, U.N. report shows[8] (Washington Post):

With the world on track to blaze past its climate goals, only immediate, sweeping societal transformation can stave off catastrophic warming.

Six steps the world can take to halt climate change[9] (Washington Post)

The U.N.'s latest climate change report details the massive shifts necessary to cut the world's emissions. But it also outlines various ways that can help hit the brakes on the planet's warming.

UN report on climate crisis confirms the world already has solutions --- but politics are getting in the way[10] (CNN):

UN climate change report shows renewables are economically viable replacements for fossil fuels, but politics are getting in the way...But while the focus on solutions give the report an optimistic tone, it also serves as a reminder of how policies lag far behind science, technology and even economics.

VIDEO: David Roberts (Volts) on UN climate report warns governments are falling short on lowering planet's temperature[11] (PBS NewsHour) ***IPCC*** Working Group III report: Quotes from contributors[12] (SciLine) Major UN climate change report: key takeaways[13] (Axios) "It's Now Or Never": The Next Three Years Are Crucial To Preventing The Worst Impacts Of Climate Change[14] (Buzzfeed)

In-depth analysis of ***IPCC*** 6th Assessment:

In-depth Q&A: The ***IPCC***'s sixth assessment on how to tackle climate change[15] (Carbon Brief):

In the in-depth Q&A, Carbon Brief unpacks the key findings of the report.

California snowpack abruptly melts:

California snowpack vastly depleted after record dry start to year[16] (Washington Post):

Snow could be gone by late April, straining water resources, worsening the drought and increasing the fire risk into the summer.

California Snowpack Melts, Leaving State Desperate for Water[17] (Bloomberg) California snowpack drops to 38 percent of average after record dry conditions[18] (Reuters) California snowpack is critically low, signaling another year of devastating drought[19] (CNN)

US West to see more frequent intense fires, floods:

Fire and rain: West to get more one-two extreme climate hits[20] (AP):

That fire-flood combination, with extreme drenchings hitting a spot that burned within a year, could increase as much as eight-fold in the Pacific Northwest, double in California and jump about 50 percent in Colorado by the year 2100 in a worst-case climate change scenario of increasing greenhouse gas emissions, according to a study in Friday's Science Advances.

Fires, Then Floods: Risk of Deadly Climate Combination Rises[21] (NY Times):

A new study found that the dangerous pairing of disasters may become more common in the American West as rains trigger runaway surges of mud and debris in areas damaged by wildfire.

'GREEN NEWS EXTRA' (Stuff we didn't have time for in today's audio report)...

For a comprehensive roundup of daily environmental news you can trust, see the Society of Environmental Journalists' Daily Headlines[22] page

Opinion: Amid backsliding on climate, the renewables effort now must be tripled/António Guterres[23] (Washington Post)

Iowans at Capitol push for stronger restrictions on eminent domain for carbon capture pipelines[24] (Des Moines Register)

Portugal brings forward 80% clean energy target to 2026 from 2030[25] (Electrek)

VIDEO: Charging Stations a Bottleneck for EV Adoption[26] (Climate Crocks)

Sold As A Dream For Black Home Buyers, Development Was A Toxic Nightmare[27] (Washington Post)

Opinion: "It's Time for Journalists to Talk Climate Change Solutions"[28] (Nieman Reports)

WHO says 99 percent of world's population breathes poor-quality air[29] (AP)

A Vital Lake In Oregon Could Run Dry Within A Generation[30] (NPR)

Chile May Replace Pinochet-Era Framework With an 'Ecological Constitution'[31] (Inside Climate News)

Record-Setting Cold Snap Hits Europe, Stunning Spring Crops[32] (Washington Post)

In the Ocean, It's Snowing Microplastics[33] (NY Times)

Washington Creates First Sea Grass And Kelp Sanctuary Off Everett[34] (Seattle Times)

Inside The Leadership Battle At The Nation's Biggest Environmental Group[35] (Huffington Post)

E.P.A. Decides Against Limiting Perchlorate in Drinking Water[36] (NY Times)

EPA resurrects plan to drop air pollution liability shield[37] (E&E News)

Environmental Sacrifice Zones: 8 Places We've Given Up-Probably Forever[38] (Environmental Health Network)

"Rare Earths" from Coal Waste[39] (Climate Crocks)

Feeling Hopeless About the Climate? Try Our 30-Day Action Plan[40] (The Revelator)

Green Upheaval: The New Geopolitics of Energy[41] (Foreign Affairs)

VIDEO: 2050: what happens if we ignore the climate crisis[42] (Guardian UK)

Guilt, grief and anxiety as young people fear for climate's future[43] (Reuters)

99.9 percent Of Scientists Agree Climate Emergency Caused By Humans[44] (Guardian UK)

An Empire of Dying Wells: Old oil and gas sites are a climate menace. Meet the company that owns more of America's decaying wells than any other.[45] (Bloomberg)

Climate Fund Choices for Investors Are Multiplying[46] (Bloomberg/Yahoo)

How climate change could undo 50 years of public health gains[47] (Grist)

Climate Change Will Force a New American Migration[48] (Pro Publica)

Exxon's Snake Oil: 100 years of deception[49] (Columbia Journalism Review)

What Does '12 Years to Act on Climate Change' (Now 9 Years) Really Mean?[50] (Inside Climate News)

VIDEO: A Message From the Future With Alexandria Ocasio-Cortez[51] (The Intercept)

What genuine, no-bullshit ambition on climate change would look like: How to hit the most stringent targets, with no loopholes.[52] (David Roberts, Vox)

A Global Shift To Sustainability Would Save Us $26 Trillion[53] (Vox)

Project Drawdown: 100 Solutions to Reverse Global Warming[54] (Drawdown.org);

An Optimist's Guide to Solving Climate Change and Saving the World[55] (Vice)

The great nutrient collapse: The atmosphere is literally changing the food we eat, for the worse. And almost nobody is paying attention.[56] (Politico)

The world's bleak climate situation, in 3 charts: We've got a long way to go and a short time to get there.[57] (Vox)

The Climate Risks We Face[58] (NY Times):

To stabilize global temperature, net carbon dioxide emissions must be reduced to zero. The window of time is rapidly closing to reduce emissions and limit warming to no more than 3.6 degrees Fahrenheit or 2 degrees Celsius above preindustrial levels, the goal set in the Paris climate accord. The further we push the climate system beyond historical conditions, the greater the risks of potentially unforeseen and even catastrophic changes to the climate - so every reduction in emissions helps.

The Uninhabitable Earth: When will climate change make earth too hot for humans?[59] (New York Magazine):

Famine, economic collapse, a sun that cooks us: What climate change could wreak - sooner than you think.

A beginner's guide to the debate over 100% renewable energy[60] (Vox):

Clean-energy enthusiasts frequently claim that we can go bigger, that it's possible for the whole world to run on renewables - we merely lack the "political will." So, is it true? Do we know how get to an all-renewables system? Not yet. Not really.

[*http://www.pheedo.com/click.phdo?feedUrl=http%3A//www.bradblog.com/bradblog.rdf&itemLink=https%3A%2F%2Fbradblog.com%2F%3Fp%3D14225&itemDate=2022-04-05+10%3A57%3A04&itemTitle=%27Green+News+Report%27+-+April+5%2C+2022*](http://www.pheedo.com/click.phdo?feedUrl=http%3A//www.bradblog.com/bradblog.rdf&itemLink=https%3A%2F%2Fbradblog.com%2F%3Fp%3D14225&itemDate=2022-04-05+10%3A57%3A04&itemTitle=%27Green+News+Report%27+-+April+5%2C+2022)

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Newstex Blogs

Errors in IPCC Climate Science

April 8, 2022 Friday 11:12 PM EST

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**Length:** 260 words

**Byline:** Warwick Hughes

**Body**

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[***Five takeaways from the IPCC's report on limiting dangerous global heating***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BCF1-F03R-N1DX-00000-00&context=1516831)

Newstex Blogs

Climate Home News

April 4, 2022 Monday 4:06 PM EST

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**Length:** 1833 words

**Byline:** Chlo Farand

**Body**

Apr 04, 2022( Climate Home News: [*http://www.climatechangenews.com*](http://www.climatechangenews.com) Delivered by Newstex) ;

The UN's climate science body has released a major report on ways to curb greenhouse gas emissions to avoid the worst-case warming scenario.

This is the last of three instalments of the Intergovernmental Panel on Climate Change's (***IPCC***) sixth assessment report. Together, they provide a complete picture of the causes, consequences and solutions to human-induced climate change. The previous two reports focused on the physical science of climate change[1]and societies and ecosystems' capacities to adapt and their limits[2].

This latest report provides a roadmap for how to rapidly reduce emissions in the next three decades under scenarios that put the world on track to limit global heating to below 2C and 1.5C - the Paris Agreement goals.

Here are the key takeaways.

We are set to overshoot 1.5C

Global greenhouse gas emissions have continued to rise in the last decade, albeit at a slower rate than the previous one. That means that the likelihood of limiting warming to 1.5C has declined on average compared to scenarios previously identified by the ***IPCC***[3].

The world has used more than four fifths of the total carbon budget for a 50/50 chance of limiting global heating to 1.5C.

Without immediate action to cut emissions, that chance is slipping away. Global greenhouse gas emissions would need to peak before 2025 and that is not happening. Based on national climate plans announced prior to the Cop26 summit in November 2021, emission projections for 2030 'make it likely that warming will exceed 1.5C during the 21st century'.

Global temperatures could be reined back by sucking carbon out of the atmosphere through biological solutions such as reforestation and technological ones like direct air capture. But many of these techniques are unproven or problematic at large scale.

Limiting warming below 2C would then rely on 'a rapid acceleration of mitigation efforts after 2030'.

Since Cop26, a number of countries have come up with 2030 carbon-cutting plans, but these haven't significantly changed the global picture. Commitments made by China, Japan and South Korea, announced prior to Cop26, are included in the tally.

'The conclusion remains clear that all [2030 climate plans] together by no means are sufficient for 1.5C and also not for 2C,' Niklas Höhne, of the New Climate Institute, told Climate Home. ' This is why Cop26's call for countries to update their climate plans in 2022 is so important.'

Coal, oil and gas infrastructure has to go

The Afsin-Elbistan lignite-fired power station in Turkey (Photo: Umut Vedat / Greenpeace[4])

Leaving coal, oil and gas in the ground is necessary to meet the Paris Agreement goals.

By 2019, carbon emissions from fossil fuels and the industry sector were responsible for the largest growth in emissions and 64% of all anthropogenic emissions.

Cutting emissions from the energy sector requires 'major transitions' away from the current system, including 'a substantial reduction in overall fossil fuel use'.

Existing and planned fossil fuel infrastructure will emit enough over its lifetime to blow past 1.5C warming and push temperature rise to 2C. Replacing fossil fuels with very low or zero-carbon energy sources such as wind and solar power is one of the biggest ways to prevent further warming.

For 1.5C, the use of coal must be virtually eliminated by 2050. Unabated oil consumption falls 60% and gas by 70% compared with 2019. Even with carbon capture and storage, oil and gas consumption is projected to decline 60% and 45% respectively by 2050.

Meanwhile, the expansion of unabated coal, oil and gas must stop. 'The continued installation of unabated fossil fuel infrastructure will 'lock-in' greenhouse gas emissions,' the report states, making it more difficult to reach global climate goals.

Conversely, in a scenario where warming is held to 2C, $1-4 trillion will be wiped off the value of fossil fuel reserves and associated assets by 2050. Depending on its availability, carbon capture and storage 'could allow fossil fuels to be used longer' and reduce stranded assets.

Options to wind down the world's fossil fuel infrastructure and align the power sector with limiting warming below 2C include decommissioning, retrofitting plants with carbon capture and storage and cancelling new unabated coal installations. Scrapping fossil fuel subsidies could reduce emissions by up to 10% by 2030.

Solutions are getting cheaper

Carbon-cutting and low-emissions technologies are becoming cheaper. The cost of solar, wind power and lithium battery technologies have fallen significantly since 2010.

In fact, the economic benefit of limiting warming to below 2C is higher than the cost of action.

Mitigation options costing $100 or less for a tonne of CO2 could reduce emissions by at least half between 2019-2030. These include rolling out solar and wind energy, energy efficiency improvements, reducing deforestation, sequestering carbon in soil and cutting methane emissions.

Half of that potential could be achieved with measures costing less than $20 for every tonne of CO2 cut. These include fitting buildings with efficient appliances, improving energy efficiency in shipping and aviation, shifting to electric vehicles and promoting public transport and cycling.

Some of these measures have economic benefits that outweigh their costs, such as promoting wellbeing and improving living standards.

Options like carbon carbon capture and storage and some forms of ecosystem restoration remain expensive.

The take-up of low emissions technologies is uneven across the world and lags in most developing countries, particularly the poorest.

Carbon dioxide removal is 'unavoidable'

CO2 captured from an incineration plant in Switzerland is being used to boost the production of vegetables like tomatoes and cucumbers (Photo: Matjaz Krivic / Climate Visuals Countdown[5])

To achieve net zero emissions, removing carbon dioxide from the atmosphere is 'unavoidable'. Removals are needed to counterbalance residual emissions from hard-to-abate sectors such as aviation, agriculture and some industrial processes.

Carbon capture and storage technology is needed for the industrial sector to reach net zero CO2 emissions. If done right, this could store carbon dioxide permanently in geological formation. But the technology remains underdeveloped and is facing technological, economic and environmental barriers.

And there are risks and uncertainty associated with deploying carbon dioxide removal (CDR) at large scale. A rapid and deep decline of emissions over the next two decades will help reduce the likelihood of overshooting warming limits and the need for removals.

Reforestation, improving forest management and soil carbon sequestration are the only widely deployed CDR methods. But carbon stored that way is vulnerable to being released by human interventions, such as trees being cut down, and natural disturbances such as fires, which can be exacerbated by climate change.

If sustainably managed, forestry and the restoration and protection of ecosystems can deliver large-scale emission reductions as well as co-benefits for biodiversity, food and water security and livelihoods. But competition for land also creates trade-offs which increase with the scale and pace of deployment. These can be avoided through national policies.

To be consistent with limiting warming to below 2C, forest-related mitigation requires annual investments of $400bn a year by 2050.

Carbon dioxide stored underground or removed from the oceans by geochemical processes to reduce acidity is less likely to bereleased back into the atmosphere, but comes with other risks. The impacts of ocean-based CDR on ecosystems and biodiversity are not well understood.

Lifestyle change is part of the solution

An e-waste recycling and dismantling facility in Rwanda (Photo: Rwands Green Fund/Flickr[6])

One cost-effective way of reducing emissions is to reduce energy demand. Strategies to do so across all sectors by 2050 could cut emissions 40-70% compared with projections based on current policies.

For policymakers, that means finding new ways to provide citizens with basic services like transport, homes and jobs. These measures can help improve wellbeing and living standards.

For example, investments in public transport, changes in pricing and spatial planning that provide services closer to people's homes could reduce travel demand in developed countries and slow growth in developing ones.

In the industrial sector that means adopting processes that use low or zero-emission electricity and fuels, preventing waste and establishing systems for recycling, repurposing and reusing materials such as metal, plastic and glass.

Behaviour and lifestyle changes can reduce global emissions of end-use sectors by at least 5% 'rapidly' with policy support and enable deeper cuts if supported by improved infrastructure design, particularly in wealthy nations. These include shifting to healthy diets based on plants, reducing food waste and overconsumption, supporting longer-lived and repairable products, turning the heating down, teleworking and car sharing.

[ 1]: [*https://climatechangenews.com/2021/08/09/five-takeaways-ipccs-2021-climate-science-report/*](https://climatechangenews.com/2021/08/09/five-takeaways-ipccs-2021-climate-science-report/) [ 2]: [*https://www.climatechangenews.com/2022/02/28/five-takeaways-from-the-uns-2022-climate-impacts-report/*](https://www.climatechangenews.com/2022/02/28/five-takeaways-from-the-uns-2022-climate-impacts-report/) [ 3]: [*https://climatechangenews.com/2018/10/08/37-things-need-know-1-5c-global-warming/*](https://climatechangenews.com/2018/10/08/37-things-need-know-1-5c-global-warming/) [ 4]: [*https://media.greenpeace.org/archive/Afsin-Elbistan-A-and-B-Plants-in-Turkey-27MZIF3OP7\_P.html*](https://media.greenpeace.org/archive/Afsin-Elbistan-A-and-B-Plants-in-Turkey-27MZIF3OP7_P.html) [ 5]: [*https://climatevisuals.org/asset/2495/*](https://climatevisuals.org/asset/2495/) [ 6]: [*https://www.flickr.com/photos/127716409@N05/24224772467/in/gallery-153171822@N06-72157713174155922/*](https://www.flickr.com/photos/127716409@N05/24224772467/in/gallery-153171822@N06-72157713174155922/)

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[***Dangerous radicals are everywhere - Climate Weekly***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655X-78V1-F03R-N0DB-00000-00&context=1516831)

Newstex Blogs

Climate Home News

April 8, 2022 Friday 4:05 PM EST

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**Byline:** Megan Darby

**Body**

Apr 08, 2022( Climate Home News: [*http://www.climatechangenews.com*](http://www.climatechangenews.com) Delivered by Newstex)

Countries that are increasing production of fossil fuels are 'dangerous radicals'. That was António Guterres' take on the latest UN climate science report landing with a thud on Monday. Who could he mean?

It would be easier to list countries that are not responding to fossil-funded massacre and soaring coal, oil and gas prices with more of the same toxic industry that got us all into this mess.

Saudi Arabia, true to form, did its utmost[1] to twist the scientific evidence to imply carbon capture and storage could keep the oil sector alive in a climate-safe future. Protracted wrangling over the issue had the bonus effect of sabotaging the Intergovernmental Panel on Climate Change's (***IPCC***'s) comms plan, such as it was, making the summary for policymakers all but unreadable and its launch six hours late. (We've got you covered with the five main takeaways[2].)

'Climate activists are sometimes portrayed as dangerous radicals. But the truly dangerous radicals are the countries that are increasing production of fossil fuels. Investing in new fossil fuel infrastructure is moral and economic madness.'

António Guterres, head of the UN

But Guterres' remarks don't just apply to Gulf petrostates, where the conflict of interest is in plain sight. Would-be climate leaders like the US, Canada, UK and Norway persist in talking tough on emissions while being soft on the cause of emissions.

Until recently, you could count on Costa Rica to leave it in the ground. Along with Denmark, it launched the Beyond Oil and Gas Alliance at Cop26, attempting to lead a global movement to turn off the taps - even if few were following.

Yet its newly elected president Rodrigo Chaves Robles has hinted[3] Costa Rica could explore for gas, following Norway's example.

This week's news

Swapping meatballs for falafel

The ***IPCC*** offered up a whole toolbox of solutions, for those willing to use them.

One country quietly innovating is Sweden. It would be easy for politicians to point at the forests and clean energy mix and keep their heads down, but that wasn't good enough for the birthplace of Greta Thunberg.

Instead, with public opinion behind them, eight political parties agreed[4] to target the larger chunk of emissions embedded in imported products. That means shaking up international norms, changing behaviour at home and testing the limits of Sweden's soft power on trading partners.

40-70%

The emissions cuts that could be achieved by reducing energy demand across all sectors by 2050 compared with projections based on current policies - ***IPCC*** WGIII

[ 1]: [*https://www.climatechangenews.com/2022/04/04/saudi-arabia-dilutes-fossil-fuel-phase-out-language-with-techno-fixes-in-****ipcc****-report/*](https://www.climatechangenews.com/2022/04/04/saudi-arabia-dilutes-fossil-fuel-phase-out-language-with-techno-fixes-in-ipcc-report/) [ 2]: [*https://www.climatechangenews.com/2022/04/06/costa-ricas-leave-it-in-the-ground-policy-in-doubt-after-election/*](https://www.climatechangenews.com/2022/04/06/costa-ricas-leave-it-in-the-ground-policy-in-doubt-after-election/) [ 3]: [*https://www.climatechangenews.com/2022/04/06/costa-ricas-leave-it-in-the-ground-policy-in-doubt-after-election/*](https://www.climatechangenews.com/2022/04/06/costa-ricas-leave-it-in-the-ground-policy-in-doubt-after-election/) [ 4]: [*https://www.climatechangenews.com/2022/04/08/sweden-set-to-be-worlds-first-country-to-target-consumption-based-emission-cuts/*](https://www.climatechangenews.com/2022/04/08/sweden-set-to-be-worlds-first-country-to-target-consumption-based-emission-cuts/)

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[***What is carbon capture and storage?***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9M51-JCMN-Y1R0-00000-00&context=1516831)

Newstex Blogs

The Week UK

April 5, 2022 Tuesday 12:50 PM EST

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**Byline:** The Week Staff

**Body**

Apr 05, 2022( The Week UK: [*http://www.theweek.co.uk*](http://www.theweek.co.uk) Delivered by Newstex)

Carbon dioxide should be removed from the air and stored underground as part of a raft of urgently needed measures to tackle global warming, a landmark report by UN scientists has advised.

SEE MORE Will climate change lead to war?[1] SEE MORE Climate change: the worst offenders[2] SEE MORE Climate change: the cities most at risk[3]

The latest review by the Intergovernmental Panel on Climate Change[4] (***IPCC***) found that technologies including carbon capture and storage (CCS) were 'likely to be necessary' to ensure that any 'temperature overshoot' beyond the maximum 1.5C above pre-industrial levels required to limit climate changewas 'temporary', The Guardian[5]'s environment correspondent Fiona Harveyreported.

However, the UN body 'was also clear that they cannot substitute for ending our dependence on fossil fuels now', she added.

Capturing carbon

Countries worldwide are 'planning far too many new coal-fired power plants, gas installations and other fossil fuel infrastructure to stay within the carbon budgets needed to meet the 1.5C goal', said The Guardian's Harvey.

But the UN's climate change panel said that while the only long-term solution was to phase out coal use, CCS could help to 'neutralise emissions from new power plants'.

CCS is the process in which harmful carbon is caught from 'concentrated industrial emissions at their source, preventing them from entering the atmosphere at all', explainedThe Independent[6]'s environment correspondent Harry Cockburn. The gas is then 'liquified' and pumped underground for long-term storage at sites such as depleted oil or gas fields.

CSShas been 'discussed for two decades',said The Guardian's Harvey, but is 'currently only used at a small scale'.

Another similar technology is also being developed. Known as greenhouse gas removal (GGR) or carbon dioxide removal (CDR), the process 'involves removing carbon from the atmosphere by chemical means', wrote Harvey.

According to The Independent's Cockburn, 'there is a consensus that investing and utilising these technologies needs to be rapidly scaled up to have the impact required to keep the targets of the Paris Climate Agreement[7] in sight'.

But critics have suggested 'that industries and processes which already emit greenhouse gases could, or already are, using the burgeoning technology as a kind of get-out-of-jail-free card', he added. Sceptics reportedly fear that businesses and political leaders may '​​pin their future carbon reduction targets on installing or investing in GGR or CCS technology'.

Fix for the future?

The International Energy Agency[8](IEA) reported last November that the strengthening of climate goals and new investment incentiveswas 'delivering unprecedented momentum for CCS, with plans for more than 100 new facilities announced in 2021'.

These new technologies 'will play an important role in meeting net zero targets, including as one of few solutions to tackle emissions from heavy industry and to remove carbon from the atmosphere', the Paris-based intergovernmental organisation said.

CSS has also been backed by Robert Gross, professor of energy policy at Imperial College London and director of the UK Energy Research Centre. 'We will need not just net zero but to start to remove CO2 from the air,' he told The Guardian.

'We cannot do one instead of the other, but we have reached the point where it is likely that humanity will need to do both to avoid dangerous climate change.'

False dawn

While interest in CCS is growing, some critics have claimed that 'most schemes to capture and reuse carbon actually increase emissions', New Scientist[9] reported.

Research has found that carbon capture technologies typically 'emit more carbon than they remove', said the magazine, which suggested that such 'projects, which have attracted billions of dollars in investment, won't do much to achieve the Paris Agreement's emission targets'.

Current efforts to roll out CCS are also'dwarfed by the size of the challenge' of combating emissions, said Sky News[10]' economics and data editor Ed Conway. The UK 'is littered with pilot projects that fell by the wayside', reported Conway, who questioned whether the technology can'fulfil its promise'.

The Independent's Cockburn pointed out that even the world's largest 'direct air-capture' machine, at Iceland's Orca plant, 'is capable of sucking up just 4,000 tonnes of CO2 a year - a tiny fraction of global emissions, which totalled 31.5 billion tonnes in 2020'.

All the same, many governments 'plan to rely heavily on still-developing carbon capture technologies, or tree-planting over massive areas of land, in order to offset emissions', Time[11] reported.

But the ***IPCC*** has repeatedly warned that '​​they should not be considered a substitute for cutting fossil fuel use', the magazine added.

[ 1]: [*https://www.theweek.co.uk/news/environment/954759/will-climate-change-lead-to-war*](https://www.theweek.co.uk/news/environment/954759/will-climate-change-lead-to-war) [ 2]: [*https://www.theweek.co.uk/news/environment/954661/climate-change-the-worst-offenders*](https://www.theweek.co.uk/news/environment/954661/climate-change-the-worst-offenders) [ 3]: [*https://www.theweek.co.uk/news/environment/954002/cities-most-at-risk-from-climate-change*](https://www.theweek.co.uk/news/environment/954002/cities-most-at-risk-from-climate-change) [ 4]: [*https://www.****ipcc****.ch/report/ar6/wg3*](https://www.ipcc.ch/report/ar6/wg3) [ 5]: [*https://www.theguardian.com/environment/2022/apr/04/final-warning-what-does-the-****ipcc****-third-report-instalment-say*](https://www.theguardian.com/environment/2022/apr/04/final-warning-what-does-the-ipcc-third-report-instalment-say) [ 6]: [*https://www.independent.co.uk/climate-change/news/carbon-capture-storage-technology-****ipcc****-b2048477.html*](https://www.independent.co.uk/climate-change/news/carbon-capture-storage-technology-ipcc-b2048477.html) [ 7]: [*https://www.theweek.co.uk/98531/paris-climate-change-rulebook-agreed*](https://www.theweek.co.uk/98531/paris-climate-change-rulebook-agreed) [ 8]: [*https://www.iea.org/commentaries/carbon-capture-in-2021-off-and-running-or-another-false-start*](https://www.iea.org/commentaries/carbon-capture-in-2021-off-and-running-or-another-false-start) [ 9]: [*https://www.newscientist.com/article/2308935-most-schemes-to-capture-and-reuse-carbon-actually-increase-emissions/*](https://www.newscientist.com/article/2308935-most-schemes-to-capture-and-reuse-carbon-actually-increase-emissions/) [ 10]: [*https://news.sky.com/story/the-uks-quest-for-net-zero-can-carbon-capture-finally-fulfil-its-promise-12437185*](https://news.sky.com/story/the-uks-quest-for-net-zero-can-carbon-capture-finally-fulfil-its-promise-12437185) [ 11]: [*https://time.com/6164252/****ipcc****-carbon-capture-climate-mitigation/*](https://time.com/6164252/ipcc-carbon-capture-climate-mitigation/)

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[***Cutting Russian Gas Can Help Europe Stop the War and Global Warming***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655V-VPR1-JCMN-Y2G6-00000-00&context=1516831)

Newstex Blogs

TechBullion

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**Body**

Apr 08, 2022( TechBullion: [*http://www.techbullion.com*](http://www.techbullion.com) Delivered by Newstex)

[*https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming/#*](https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming/) [*https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming/#*](https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming/) denied:whatsapp://send?text=Cutting%20Russian%20Gas%20Can%20Help%20Europe%20Stop%20the%20War%20and%20Global%20Warming%20[*https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming*](https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming)/ [*https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming/#*](https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming/) mailto:?subject=Cutting%20Russian%20Gas%20Can%20Help%20Europe%20Stop%20the%20War%20and%20Global%20Warming&BODY=I%20found%20this%20article%20interesting%20and%20thought%20of%20sharing%20it%20with%20you.%20Check%20it%20out:%20[*https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming*](https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming)/ [*https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming/#disqus\_thread*](https://techbullion.com/cutting-russian-gas-can-help-europe-stop-the-war-and-global-warming/#disqus_thread) The world has been hit hard with the pandemic during the past few years, but who would have known that 2022 would also bring war to Europe?

Svitlana Krakowska, Ukraine's leading climate scientist and the head of the Ukrainian scientist delegation, struggled to finish the vast Intergovernmental Panel on Climate Change (***IPCC***) report before its release on the 28th of February under the Russian attacks in Kyiv, stated the Guardian[1]. In her opinion, the roots of both the war and climate change are in fossil fuels.

'Burning oil, gas, and coal is causing warming and impacts we need to adapt to. And Russia sells these resources and uses the money to buy weapons. Other countries are dependent upon these fossil fuels, they don't make themselves free of them. This is a fossil fuel war. It's clear we cannot continue to live this way, it will destroy our civilization,' said Krakowska to the Guardian.

International Energy Agency (IEA) reacted immediately and provided a 10-point Plan to Reduce the European Union's Reliance on Russian Natural Gas[2]. The plan consists of a combination of measures that would be consistent with the European Green Deal and support energy security and affordability. There are complementary measures that could be taken already in the upcoming months: drawing on other energy sources, turning more to other suppliers, and accelerating efforts to provide consumers, businesses, and industries to use efficient and clean alternatives to natural gas.

In 2021, the European Union imported 155 billion cubic meters of natural gas from Russia, accounting for around 45% of EU gas imports and close to 40% of its total gas consumption, reported IEA[3]. What more can governments do in the immediate future to bring Russia down, stop the war and climate change?

'Nobody is under any illusions anymore. Russia's use of its natural gas resources as an economic and political weapon shows Europe needs to act quickly to be ready to face considerable uncertainty over Russian gas supplies next winter,' said IEA Executive Director Fatih Birol. 'The IEA's 10-Point Plan provides practical steps to cut Europe's reliance on Russian gas imports by over a third within a year while supporting the shift to clean energy in a secure and affordable way. Europe needs to rapidly reduce the dominant role of Russia in its energy markets and ramp up the alternatives as quickly as possible.'

We don't have time to be short-sighted. The newest ***IPCC*** report[4] reduces it to three years to radically change lifestyle and consumption. The key actions in the IEA's 10-Point Plan include not signing new gas contracts with Russia; accelerating the deployment of solar and wind, making the most of existing low emissions energy sources, and ramping up energy efficiency measures in homes and businesses.

While the switch to renewables and energy-efficiency measures can tackle 55% of global emissions, Circular Economic strategies are needed to address the remaining 45%, according to the Ellen McArthur Foundation of 2019, quoted by the World Economic Forum's Circular Economy for Net Zero initiative[5].

On that, a few crucial questions remain. How fast can we transform our linear economy into a circular one that promotes safe use of natural resources and the elimination of waste (and gives us access to opportunities that can yield up to $4.5 trillion in economic benefits by 2030)? How to cut CO2 emissions by half by 2030 and help industries produce better by incentivizing them with a carbon tax if needed? How to promote local, clean productions, and limit imports from giant mass polluters and mess-makers like the ultra-fast fashion monster Shein, for example?

As Linda Fischer and Elena Erdmann write in Die Zeit[6], the 6th chapter of the latest ***IPCC*** is 'probably the most important one of the 2022 report.' In their opinion, the report calls for a 'structural change of the global economy' and might change the behavior of individuals that share the core of the current economic system. Changes to food consumption and industrial production should be implemented with vigor to keep global warming limits within reach. Same as Linda and Elena, I'm sure that more affordable low-carbon technologies and the urgency to leave fossil fuels reinvigorated by the war in Ukraine make great strides in climate action still feasible.

Recommended for you

[ 1]: [*https://www.theguardian.com/environment/2022/mar/09/ukraine-climate-scientist-russia-invasion-fossil-fuels*](https://www.theguardian.com/environment/2022/mar/09/ukraine-climate-scientist-russia-invasion-fossil-fuels) [ 2]: [*https://www.iea.org/reports/a-10-point-plan-to-reduce-the-european-unions-reliance-on-russian-natural-gas*](https://www.iea.org/reports/a-10-point-plan-to-reduce-the-european-unions-reliance-on-russian-natural-gas) [ 3]: [*https://www.iea.org/news/how-europe-can-cut-natural-gas-imports-from-russia-significantly-within-a-year*](https://www.iea.org/news/how-europe-can-cut-natural-gas-imports-from-russia-significantly-within-a-year) [ 4]: [*https://www.****ipcc****.ch/2022/04/04/****ipcc****-ar6-wgiii-pressrelease/*](https://www.ipcc.ch/2022/04/04/ipcc-ar6-wgiii-pressrelease/) [ 5]: [*https://www.weforum.org/circular-economy-for-net-zero*](https://www.weforum.org/circular-economy-for-net-zero) [ 6]: [*https://www.zeit.de/wissen/umwelt/2022-04/****ipcc****-bericht-klimaschutz-1-5-grad/seite-3*](https://www.zeit.de/wissen/umwelt/2022-04/ipcc-bericht-klimaschutz-1-5-grad/seite-3)

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**Load-Date:** April 8, 2022

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[***IPCC Report Affirms That We Have the Tools to Address the Climate Crisis, but We're Running Out of Time to Act***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655C-JTP1-F03R-N2VX-00000-00&context=1516831)

Newstex Blogs

3BL Blogs

April 5, 2022 Tuesday 11:25 PM EST

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**Length:** 950 words

**Byline:** ceres

**Body**

Apr 05, 2022( 3BL Blogs: [*http://3blmedia.com*](http://3blmedia.com)/ Delivered by Newstex)

April 5, 2022 /3BL Media/ - A new report from the Intergovernmental Panel on Climate Change affirms that we have the tools to address the climate crisis, but we are running out of time to act. It reinforces the urgency of reducing greenhouse gas emissions immediately to mitigate the impact of the climate crisis and details the tools and methods that will help the world limit temperature rise to no more than 1.5 degrees Celsius, with a warning that we are currently on track to 3 degrees of warming by the end of the century.

'The new ***IPCC*** report unequivocally demonstrates that while global leaders have the tools to minimize future irreversible impacts of the climate crisis, we still have to raise our ambition and take the necessary aggressive action to reduce greenhouse gas emissions,' said Ceres President and CEO Mindy Lubber. 'Droughts, floods, fires, and heatwaves are wreaking havoc across communities and economies, and those damages will only grow without concerted effort to reduce emissions immediately. Inaction, or insufficient action, is no longer an option if we hope to avoid further catastrophic climate disasters.'

'The report affirms what we already knew: we have the technology and the financial resources to successfully transition to a cleaner, healthier, more equitable world with a stable climate,' Lubber said. 'And a stable climate will benefit companies, communities, and nations with greater economic strength and increased physical security. We know that policies aimed at reducing emissions work.'

Ceres has long advocated for policies that promote global resilience and spur investment in clean energy and energy efficiency. They will not only help prevent climate disasters and human suffering—but they will also improve energy affordability and security, ensure greater environmental justice and equity, and help U.S. businesses remain competitive around the globe.

'The window to reduce severe suffering and loss is rapidly closing,' Lubber added. 'Governments, investors and other financial institutions, and companies are all impacted, and must act immediately if we hope to prevent more suffering — particularly in marginalized communities in the United States and around the world — while preventing further irreversible damage to the world's ecosystems.'

That is why Ceres is working to decarbonize the full value and supply chains of the heaviest-emitting sectors through the Ceres Ambition 2030[1] initiative. Through Climate Action 100+[2], investors have the opportunity and responsibility to help accelerate the business transition toward a net zero emissions economy with some of the world's highest-emitting companies. It is past time to move from setting targets or making emissions-reduction commitments to rapidly taking action to execute those goals and hold global average temperature rise to a 1.5 degree Celsius limit. To achieve that goal, Ceres, along with its partners, are working with investors around the globe through the Net Zero Asset Managers Initiative[3] and the Paris Aligned Investment Initiative[4].

'We have the tools to reduce the physical and economic impacts of the climate crisis at our fingertips. Investors, companies, policymakers, and regulators have an imperative to take immediate, clear-eyed action to set, and more importantly, execute upon, ambitious emissions reductions,' Lubber said. 'Investors and our financial institutions must implement climate action plans that will rapidly redirect flows of money toward clean energy solutions, rather than fossil fuels. We have the global capital needed to reach our critical climate goals, but we need to ensure that financing flows to the right places.'

About Ceres

Ceres is a nonprofit organization working with the most influential capital market leaders to solve the world's greatest sustainability challenges. Through our powerful networks and global collaborations of investors, companies and nonprofits, we drive action and inspire equitable market-based and policy solutions throughout the economy to build a just and sustainable future. For more information, visit ceres.org and follow @CeresNews.

Media Contact: Mara Abbott, [*mabbott@ceres.org*](mailto:mabbott@ceres.org) , 617-247-0700 ext. 250;

[ 1]: [*https://www.ceres.org/climate/ambition2030*](https://www.ceres.org/climate/ambition2030) [ 2]: [*http://www.climateaction100.org*](http://www.climateaction100.org)/ [ 3]: [*https://www.netzeroassetmanagers.org*](https://www.netzeroassetmanagers.org)/ [ 4]: [*https://www.parisalignedinvestment.org*](https://www.parisalignedinvestment.org)/

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[***Intergovernmental Panel on Climate Change Mitigation Report***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BCF1-F03R-N1W2-00000-00&context=1516831)

Newstex Blogs

USAID News

April 4, 2022 Monday 4:41 PM EST

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**Length:** 743 words

**Byline:** sgruber

**Body**

Apr 04, 2022( USAID News: [*http://www.usaid.gov/news-information/press-releases*](http://www.usaid.gov/news-information/press-releases) Delivered by Newstex)

Once again, the scientific community has delivered an urgent call to action for our planet. The new report from the Intergovernmental Panel on Climate Change (***IPCC***)[1] is ominous, but it makes clear that limiting global warming and avoiding the worst case scenarios of the climate crisis remains possible if we rapidly reduce global emissions this decade. Critically, the ***IPCC*** shows that we already have all the options we need—in every sector—to cut global emissions in half by 2030.

This is no longer a distant challenge for future generations. Climate change is here and we are already seeing its effects every day, as rising temperatures and sea levels lead to increased water and food scarcity and more frequent and intense climate-related disasters. These impacts will only intensify without significant efforts to bend the curve on global emissions.

At the same time, we are witnessing how overreliance on the same fossil fuels that caused the climate crisis are a threat to our collective security. Revenue from oil and gas continues to empower, enrich, and embolden Vladimir Putin and the Russian Federation in their unprovoked and brutal war in Ukraine. As the ***IPCC*** report finds, investments today in emissions-intensive infrastructure and fossil fuel use become the barriers of tomorrow. Now more than ever, transitioning away from fossil fuels to clean, reliable, renewable energy is not only essential for mitigating climate change and supporting sustainable development, but crucial for building a safer world.

As part of our new Climate Strategy, which will be released later this month, USAID will ramp up support to our partners to transition away from fossil fuels to locally available, renewable energy. These efforts are essential for limiting global warming, building prosperity and resilience, and strengthening our own national security and the security of our allies.

Supporting the renewable energy transition is just one piece of our broader efforts to tackle the climate crisis. Our Climate Strategy calls on all corners of USAID to play a part in our efforts to build low-to-no emission development pathways while making the most vulnerable and marginalized communities more resilient to climate impacts. This includes conserving tropical forests and other critical carbon stocks and sinks, making key systems like agriculture and transportation more sustainable and less emissions-intensive, and supporting communities to better adapt to the climate impacts already wreaking havoc across the globe.

I want to thank the scientists and researchers around the world who help us understand the urgency of the climate crisis, including those from USAID who participated in peer-reviewing this report. Thanks to these collaborative reports, we know ambitious climate change mitigation is crucial to achieve sustained and climate-resilient development goals. Serious climate progress will not happen overnight, but USAID will continue to make strides to prioritize the health and livelihoods of communities and the planet.

[ 1]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-3/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-3/)

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[***UN to release handbook of climate change solutions***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6550-7XV1-F03R-N3Y4-00000-00&context=1516831)

Newstex Blogs

Digital Journal

April 4, 2022 Monday 6:00 AM EST

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**Length:** 1152 words

**Byline:** AFP

**Body**

Apr 04, 2022( Digital Journal: [*http://www.digitaljournal.com*](http://www.digitaljournal.com) Delivered by Newstex)

UN climate experts are set to release what is expected to be the definitive guide to halting global warming on Monday, in a report that lays out how societies and economies must transform to ensure a 'liveable' future.

With war in Ukraine spurring an urgent energy rethink in the West, analysts say the latest report from the UN's Intergovernmental Panel on Climate Change will also be an important resource for nations seeking a rapid transition away from Russian oil and gas.

In recent months the ***IPCC*** has published the first two instalments in a trilogy of mammoth scientific assessments covering how greenhouse gas pollution is heating the planet and what that means for life on Earth.

This third report will outline what to do about it.

But that answer has sweeping political ramifications as climate solutions touch on virtually all aspects of modern life — and require significant investment.

Two weeks of gruelling negotiations have seen nearly 200 nations struggling to thrash out line-by-line a high-level 'summary for policymakers' that distils the hundreds of pages of underlying assessment.

That meeting was supposed to wrap up on Friday, but dragged on through the weekend.The ***IPCC*** assessment was originally due to be published publicly on Monday at 0900 GMT, but that is now likely to be delayed until later in the day.

'Everybody has something to lose and everybody has something to gain,' said one person close to the process.

Easy answers are unlikely, with the ***IPCC*** expected to detail the need for transformational changes to energy generation and industry, as well as to cities, transportation and food systems.

To save the world from the worst ravages of climate change, the report is also expected to warn that slashing carbon dioxide pollution is no longer enough.

And technologies that are not yet operating to scale will need to be ramped up enormously to suck CO2 out of the atmosphere.

A 1.5C cap on global warming — the aspirational goal of the 2015 Paris climate accord — has been embraced as a target by most of the world's nations.

Barely 1.1C of warming so far has ushered in a devastating surge of deadly extreme weather across the globe.

- Fossil fuels -

UN chief Antonio Guterres warned last month that major economies are allowing carbon pollution to increase when drastic cuts are needed.

'We are sleepwalking to climate catastrophe,' he said.

In February, the ***IPCC*** report on past, present and future climate change impacts and vulnerabilities detailed what Guterres called an 'atlas of human suffering'.

The report concluded that further delays in cutting carbon pollution and preparing for impacts already in the pipeline 'will miss a brief and rapidly closing window of opportunity to secure a liveable and sustainable future for all'.

Current national carbon-cutting commitments still put the world on a catastrophic path toward 2.7C of warming by 2100.

'How much more destruction must we witness, and how many more scientific reports will it take, before governments finally acknowledge fossil fuels as the real culprits behind the human suffering being felt across the globe?', said Namrata Chowdhary of 350.org.

The main focus of the report is on weaning the global economy off fossil fuels and moving to low- or zero-carbon sources of energy, from solar and wind to nuclear, hydro and hydrogen.

Helping that transition is the fact that renewable energy is now cheaper than energy generated by fossil fuels in most markets.

The ***IPCC*** also details ways to reduce demand for oil, gas and coal, whether by making buildings more energy-efficient or encouraging shifts in lifestyle, such as eating less beef and not flying half-way around the world for a holiday or business meeting.

With intense political wrangling over the high level policy summary, some fear the message will have been watered down.

'The climate crisis is accelerating and fossil fuels are the overwhelming cause. Any report on mitigation that fails to emphasise that fact is denying the very science to which the ***IPCC*** is committed,' said Nikki Reisch of the Center for International Environmental Law.

The report's finding will feed into UN political negotiations, which resume in November in Egypt at COP 27.

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The post UN to release handbook of climate change solutions[1] appeared first on Digital Journal[2].

[ 1]: [*https://www.digitaljournal.com/world/un-to-release-handbook-of-climate-change-solutions/article*](https://www.digitaljournal.com/world/un-to-release-handbook-of-climate-change-solutions/article) [ 2]: [*https://www.digitaljournal.com*](https://www.digitaljournal.com)

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[***Major UN climate change report: 5 key takeaways***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9M51-JCMN-Y10W-00000-00&context=1516831)

Newstex Blogs

Axios

April 5, 2022 Tuesday 3:20 PM EST

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**Length:** 793 words

**Byline:** Andrew Freedman

**Body**

Apr 05, 2022( Axios: [*https://link.axios.com/join/am-signup?source=aci*](https://link.axios.com/join/am-signup?source=aci) Delivered by Newstex)

The new United Nations climate report[1] provides insights into what needs to be done to avert some of the worst impacts of global warming.

Between the lines: The key findings in the report that dropped yesterday are stark, but are not all doom and gloom.

First: In the most jarring finding, researchers concluded that to meet the Paris Agreement's targets — holding warming to 'well below' 2C, while working to limit it to 1.5C above preindustrial levels — global carbon dioxide emissions would have to peak by 2025. (Subtle reminder, it's already 2022.) Not only that, but emissions would have to be cut by between 30% and more than 40% by 2030.Or to put it another way, the world has just three years left to peak emissions, and eight years left to get emissions under sufficient control to meet the Paris targets. Second: We're so far off course from the Paris targets that the current path would lead us to warming of about 3.2C (5.8F) above preindustrial levels. Emissions of carbon dioxide during the 2000-19 period ranked as the highest in human history, the report found. Third: What must be done seems daunting, but it's actually relatively straightforward: Deploy massive amounts of existing and soon-to-mature clean energy and efficiency technologies while working to advance the options for decarbonizing hard to clean up sectors of the economy. The report cites dramatic cost declines in solar, wind and battery technology, for example.This chart[2] in the ***IPCC*** report shows the climate mitigation potentials of each technology and its lifetime cost, clearly indicating the many options already available. Fourth: Fossil fuel investments are a one-way ticket to stranded assets (meaning the fossil fuel assets would be unusable). About 30% of oil, 50% of gas, and 80% of coal reserves would be unusable if warming is to be limited to the Paris Agreement's 2C target, the report states.Interestingly, the report finds the value of stranded fossil fuel assets could be $4 trillion by 2050 in a world that warms by 2C above pre-industrial levels, but higher if warming is limited to 1.5C. This could pose a danger to financial stability, the report notes. Fifth: Temperatures will stabilize when emissions reach net zero, but doing so and then bringing temperatures down from there will require some use of potentially risky carbon dioxide removal technologies. Data: Global Carbon Project[3]; Chart: Will Chase/Axios One reason the ***IPCC*** report is so startling: Its authors have outlined solutions that are completely out of step with current emissions trends (as illustrated above), along with the recent history of greenhouse gas emissions.

Threat level: Global CO2 emissions have increased by 54% since 1990, the ***IPCC*** found.

The bottom line: The report revealingly notes the barriers to achieving ambitious emissions cuts are more social and political than technological, with scientists citing "opposition from status quo interests" as a key blocker of progress. Asked yesterday about what interests they meant by this, Jim Skea, co-chair of the new report, told reporters, "We're trained to deflect questions like that and I hope I've deflected it sufficiently."

[ 1]: [*https://www.axios.com/un-climate-panel-calls-for-renewables-shift-bdc24c85-ed26-46f9-ad49-269f1e308628.html*](https://www.axios.com/un-climate-panel-calls-for-renewables-shift-bdc24c85-ed26-46f9-ad49-269f1e308628.html) [ 2]: [*https://www.****ipcc****.ch/report/ar6/wg3/figures/summary-for-policymakers/figure-spm-7*](https://www.ipcc.ch/report/ar6/wg3/figures/summary-for-policymakers/figure-spm-7) [ 3]: [*https://robbieandrew.github.io/GCB2021*](https://robbieandrew.github.io/GCB2021)/

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[***'We Are On A Fast Track To Disaster' - Green Radicals Claim Humanity Has Only 3 Years Left To Stop 'Climate Apocalypse'***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656J-3V91-F03R-N30D-00000-00&context=1516831)

Newstex Blogs

Phil's Stock World

April 11, 2022 Monday 11:36 AM EST

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**Length:** 1291 words

**Byline:** Zero Hedge

**Body**

Apr 09, 2022( Phil's Stock World: [*http://www.philstockworld.com*](http://www.philstockworld.com) Delivered by Newstex)

Courtesy of ZeroHedge[1] View original post here[2].

Earlier this week, Democrats in the House dragged the CEOs of America's largest oil companies before a Congressional subcommittee where they were subjected to an aggressive interrogation (intended, of course, to glean clips to be used for the onslaught of political ads expected to be released this fall), where members accused them of deliberately driving prices higher to boost their companies profits.

[*https://cms.zerohedge.com/s3/files/inline-images/climate\_change.jpg?itok=MXZP279s*](https://cms.zerohedge.com/s3/files/inline-images/climate_change.jpg?itok=MXZP279s)

But as they carefully explained in their testimony, individual American oil companies have little control over the price of oil and gas. Rather, entities like OPEC+, and international demand dynamics have a much greater impact. [3]The real hypocrisy, however, is the fact that Democrats' own energy policies[4] - including a key metric called the 'social cost of carbon' which Biden hiked from $7 under Trump to $51 under Biden - are responsible for suppressing domestic production.

And as millions of Americans struggle to make ends meet during a period of soaring inflation, climate activists, seemingly unsympathetic to their plight, are doing everything in their power to drive oil and gas production in the US even lower.

Using the release of the ***IPCC***'s latest report[5] on climate change as their rallying, climate activists like the members of 'Scientist Rebellion' (an offshoot of the UK's 'Extinction Rebellion') are now claiming that the world has only three years to prevent the climate apocalypse. This despite last year's admission from the UN that its most dire projections are now 'extremely unlikely'. [6]

But ignore all that, because as one climate scientist-turned-activist wrote in the Guardian[7] this week, climate radicals are chaining themselves to JP Morgan's offices in protest of the bank's work financing the oil and gas industry.

I'm a climate scientist and a desperate father. How can I plead any harder? What will it take? What can my colleagues and I do to stop this catastrophe unfolding now all around us with such excruciating clarity?

On Wednesday, I was arrested for locking myself to an entrance to the JP Morgan Chase building in downtown Los Angeles with colleagues and supporters. Our action in LA is part of an international campaign organized by a loosely knit group of concerned scientists called Scientist Rebellion, involving more than 1,200 scientists in 26 countries and supported by local climate groups.

Our day of action follows the ***IPCC*** Working Group 3 report released Monday, which details the harrowing gap between where society is heading and where we need to go. Our movement is growing fast.

The new report is called the 'Climate Change 2022: Mitigation of Climate Change'. It's the third and final installment of the ***IPCC***'s Sixth Climate Assessment. And contributors to the report have been telling any liberal media outlet that will listen that humanity now has only three years to prevent the climate catastrophy.

Here's a summary of the report, courtesy of Buzzfeed:[8]

Global average emissions measured roughly 59 gigatons of carbon dioxide equivalent in 2019, about 12% higher than levels in 2010 and 54% higher than in 1990, per the new report. This is a staggering increase.

But the blame for rising emissions does not fall on everyone equally.

'The 10% of households with the highest per capita emissions contribute a disproportionately large share of global [greenhouse gas] emissions,' according to a summary of the new report. For example, in 2019, Small Island Developing States are estimated to have released 0.6% of global greenhouse gas emissions.

The only way to prevent widespread climate damage is to immediately stop this trend. To keep the 1.5 degree Celsius future alive, per the report, people worldwide must collectively peak their emissions by 2025 and then reduce emissions 43% by 2030. Crucially, this involves cutting emissions of the potent greenhouse gas methane by 34% by 2030.

Finally, by 2050, people must achieve net zero emissions, which is when they are releasing into the atmosphere the same levels of emissions they are pulling out of it.

UN Secretary-General further contributed to the hysteria by declaring that humanity is on 'the fast track to climate disaster'.

'We are on a fast track to climate disaster,' United Nations Secretary-General António Guterres said on Monday while announcing the new report by the United Nation's preeminent climate body, the Intergovernmental Panel on Climate Change.

'This is not fiction or exaggeration,' he added. 'It is what science tells us will result from our current energy policies. We are on a pathway to global warming of more than double 1.5 degrees.'

One of the author's of the report added that humanity must act now, or accept the worst-case scenario that climate activists have long described.

'It's now or never, if we want to limit global warming to 1.5 degrees Celsius (2.7 degrees Fahrenheit),' Imperial College London's Jim Skea, one of the report co-authors, said in a statement. 'Without immediate and deep emissions reductions across all sectors, it will be impossible.'

So, according to the climate radicals, the world has seen the timeline for the climate apocalypse move from roughly a decade to just three years, even as the growth of emissions has been slowing this entire time.

Is it just us, or does something not add up here?[9]

[ 1]: [*https://www.zerohedge.com/energy/we-are-fast-track-disaster-green-radicals-claim-humanity-has-only-3-years-left-stop-climate*](https://www.zerohedge.com/energy/we-are-fast-track-disaster-green-radicals-claim-humanity-has-only-3-years-left-stop-climate) [ 2]: [*https://www.zerohedge.com/energy/we-are-fast-track-disaster-green-radicals-claim-humanity-has-only-3-years-left-stop-climate*](https://www.zerohedge.com/energy/we-are-fast-track-disaster-green-radicals-claim-humanity-has-only-3-years-left-stop-climate) [ 3]: [*https://www.zerohedge.com/energy/watch-live-democrats-interrogate-oil-executives-about-americas-pain-pump*](https://www.zerohedge.com/energy/watch-live-democrats-interrogate-oil-executives-about-americas-pain-pump) [ 4]: [*https://www.zerohedge.com/markets/bidens-oil-polices-are-bat-shit-crazy-creating-turmoil-markets-usf-geology-professor*](https://www.zerohedge.com/markets/bidens-oil-polices-are-bat-shit-crazy-creating-turmoil-markets-usf-geology-professor) [ 5]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 6]: [*https://www.zerohedge.com/political/investigating-mass-hysteria-over-1-degree-climate-change-1850*](https://www.zerohedge.com/political/investigating-mass-hysteria-over-1-degree-climate-change-1850) [ 7]: [*https://www.theguardian.com/commentisfree/2022/apr/06/climate-scientists-are-desperate-were-crying-begging-and-getting-arrested?CMP=twt\_a-environment\_b-gdneco*](https://www.theguardian.com/commentisfree/2022/apr/06/climate-scientists-are-desperate-were-crying-begging-and-getting-arrested?CMP=twt_a-environment_b-gdneco) [ 8]: [*https://www.buzzfeednews.com/article/zahrahirji/climate-change-report-warning-****ipcc***](https://www.buzzfeednews.com/article/zahrahirji/climate-change-report-warning-ipcc) [ 9]: [*https://www.zerohedge.com/political/happy-birthday-global-warming-climate-change-33*](https://www.zerohedge.com/political/happy-birthday-global-warming-climate-change-33)

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[***U.N. Scientists Latest Report Offers Hope as New Poll Shows Americans Support Natural Infrastructure Solutions to #ClimateChange — The Walton Foundation #ActOnClimate***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656B-3ND1-JCMN-Y3MB-00000-00&context=1516831)

Newstex Blogs

Coyote Gulch

April 10, 2022 Sunday 3:45 PM EST

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**Length:** 981 words

**Byline:** Coyote Gulch

**Body**

Apr 10, 2022( Coyote Gulch: https://coyotegulch.blog/ Delivered by Newstex)

[*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_SummaryForPolicymakers.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_SummaryForPolicymakers.pdf)

Click the link to read the article on the Walton Family Foundation website[1] (Mark Shields):

As the Intergovernmental Panel on Climate Change (***IPCC***) released its latest report[2] on mitigating the impacts of climate change, a new poll from the Walton Family Foundation, in collaboration with Morning Consult, reveals how Americans think about climate change solutions. Specifically, when asked about natural infrastructure, described as the use of naturally occurring landscape features or nature-based solutions that promote, use, restore, or emulate natural ecological features, three-in-four voters (76%) supported the use of natural infrastructure to address climate change.

Natural infrastructure is a bipartisan solution to addressing climate change. At least seven-in-ten Democrats and Republicans nationally support these solutions.

'Climate change is water change. As Americans reckon with the changes in climate that are already underway, we see that voters understand that we need to seek solutions to use the power of nature to help solve problems - and that's what natural infrastructure is all about,' said Moira Mcdonald, Environment Program Director of the Walton Family Foundation. 'Despite political divisions in our country, Americans agree on protecting our planet, and it is time we put this unity into action.'

As leaders from local, state, and federal offices consider how to apply funding made available through the bipartisan Infrastructure Investment and Jobs Act, voters strongly support natural infrastructure solutions, including:

Shoring up coastline and river communities to better withstand increasingly frequent and intense storms and flooding (80% support); Restoring wetlands to mitigate climate impacts including soaking up water from storms and rehydrating landscapes to prevent wildfires (82% support); Protecting groundwater supplies to increase available water while also supporting rivers and streams (83%); Using floodplains to reduce flooding, and protect communities, farmlands, and wildlife (83%).

Other key findings from the poll include:

A majority of Americans agree climate change will alter important aspects of life in the U.S. such as agriculture (76% total, 89% Democrats, and 61% Republicans), water resources (76% total, 90% Democrats, and 59% Republicans) and the economy (71% total, 87% Democrats, and 55% Republicans). 73% of Americans are worried about climate change and water scarcity, with at least three-in-five voters saying that drought, increased temperatures, wildfires, extreme weather and flooding are a product of climate change's effect on water resources. Black and Hispanic voters expressed more concern about climate change's impacts on the economy (84% Black, 81% Hispanic, 68% White), health (88% Black, 78% Hispanic, 67% White), and issues around equality (69% Black voters, 62% Hispanic voters, 44% White). One-quarter of American voters believe their state will not have enough water during their grandchildren's lifetimes (the next 100 years). The numbers are even higher in western states - 55% in Colorado said their state would not have enough water in the next 100 years and 53% said the same in Arizona.

To read the full poll results, visit [*http://waltonfamilyfoundation.org/worldwaterday*](http://waltonfamilyfoundation.org/worldwaterday)[3].

Polling Methodology:

The national poll was conducted between March 4-March 6, 2022 among a sample of 2005 Registered Voters across the United States. The interviews were conducted online, and the data were weighted to approximate a target sample of Registered Voters based on gender by age, educational attainment, race, marital status, homeownership, race by educational attainment, 2020 presidential vote, and region. Results from the full survey have a margin of error of plus or minus 2 percentage points.

The state-level polls were conducted between March 4-March 8, 2022, among a sample of 298 Registered Voters in Arizona and a sample of 300 Registered voters in Colorado. The interviews were conducted online, and the data were weighted to approximate a target sample of Registered Voters based on gender, age, education, race, ethnicity, marital status, homeownership, and 2020 vote choice. Results from the full survey have a margin of error of plus or minus 6 percentage points.

[ 1]: [*https://www.waltonfamilyfoundation.org/new-poll-shows-americans-support-natural-infrastructure-solutions-to-climate-change*](https://www.waltonfamilyfoundation.org/new-poll-shows-americans-support-natural-infrastructure-solutions-to-climate-change) [ 2]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 3]: [*http://waltonfamilyfoundation.org/worldwaterday*](http://waltonfamilyfoundation.org/worldwaterday)

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[***India's banks unprepared for climate breaking points***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655D-WXG1-F03R-N0D6-00000-00&context=1516831)

Newstex Blogs

The Third Pole

April 6, 2022 Wednesday 7:07 AM EST

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**Byline:** Lou del Bello

**Body**

Apr 06, 2022( The Third Pole: [*https://www.thethirdpole.net/en*](https://www.thethirdpole.net/en)/ Delivered by Newstex)

India has always been a land of brutal but predictable weather. Now, the climate crisis is expected to change that, with increasingly erratic heat and water extremes unleashed at unusual times, or even simultaneously. While the country has proved to be a model[1] of disaster preparedness in the past, the rising probability of highly disruptive compound weather events - known as 'black swans' - represents an unprecedented risk to the economy at large. And despite the mounting warnings from experts, India's big banks appear to be turning a blind eye to climate risk. Climate scorecard for India's banks A recent analysis[2] offers a rare glimpse into how India's largest commercial banks think about climate change. It finds that they are both underestimating risks to their investors and neglecting the urgency of cutting their own emissions. Researchers at the think tank Climate Risk Horizons[3] examined publicly available information on the 34 largest banks on the Bombay Stock Exchange, representing USD 354 billion (INR 26.81 trillion) as of March 2021.

They found that none of the banks analysed had a comprehensive plan to reach net zero which targeted the full scope of its emissions. These include those produced directly through the bank's activities, such as heating or emissions from vehicles used for routine operations (known as 'scope 1'); indirect emissions related for example to energy consumption (known as 'scope 2'); and those generated up and down the value chain, such as the climate risk exposure resulting from lending for carbon heavy investments (or 'scope 3)'. Only two of the banks analysed have plans to address scope 1 and 2 emissions by the end of this decade. Recommended There has been 'very little movement' on most of the 10 criteria the study assessed, says Ashish Fernandes, CEO at Climate Risk Horizons and an author of the study. 'Especially on things like fossil fuels exclusion policies, net zero targets, and long-term scenario analysis for their portfolio.'

Of the banks analysed, only two - Federal Bank and Suryoday Small Finance Bank - have chosen not to finance the construction of new coal power plants or the extension of existing ones, the analysis finds, while Federal Bank has promised it will stop supporting oil and gas exploration. None of the banks analysed have undertaken assessments to understand how climate change may affect their portfolios and, in turn, their investors. Black swan events 'Black swans' are low-probability, high impact events that according to the UN Intergovernmental Panel on Climate Change (***IPCC***[4]) are going to become more frequent[5] as global warming increases. These could include heat waves, agricultural drought or heavy rainfall of unprecedented intensity. South Asia in particular[6], the ***IPCC*** says, will face greater heat and humidity stress throughout the 21st century, as well as more severe rains during the monsoon season.

43

of the world's 100 most climate-vulnerable cities are in India

'These issues are extremely complicated, but banks need to start looking at it because they do have economy-wide implications. You're talking about extremely large banks,' Fernandes says. 'God forbid, there's a black swan event in India, or maybe two or three smaller black swan events that affect different sectors in a row,' such as a heat wave occurring during crop growing season, combined with a failed monsoon. 'You'd have knock on effects not just on agriculture, but on the rural economy at large for the following years.' Economy-wide threats 'If you look at the climate projections for India, it's pretty clear that within the next couple of decades no sector is going to stay untouched,' says Fernandes. 'Take energy or large infrastructure, there are going to be impacts.' The severity of these impacts for India's banks will depend on their specific investments, for example 'if a bank's portfolio is overly reliant on coal, or on large hydro in the Himalayas'. The construction sector will surely be affected, he says, and there are going to be significant impacts on agricultural businesses as well.

Failing to identify climate risks is particularly problematic for India and the South Asian region at large, given its high vulnerability. The UK consultancy Verisk Maplecroft ranked[7] 576 of the world's largest cities based on their exposure to environmental and climate-related risks. It found that Asia is home to 99 of the 100 most vulnerable cities, of which 43 are in India. While Jakarta topped the list, Delhi ranked second, followed by Chennai, Agra and Kanpur in third, sixth and tenth place respectively. India's state-owned enterprises haven't, in my view, embraced climate action to the scale and speed that the world needsBalasubramanian Viswanathan, IISD 'The Indian government lags significantly[8] on climate action, and national greenhouse gas reduction targets are not consistent with restricting global warming to within 2 degrees Celsius compared to pre-industrial temperatures,' says Rory Clisby, a senior analyst with Verisk Maplecroft, 'so it is not surprising that both private and federally-owned Indian banks are also dragging their heels on climate risk reporting.' Investors and customers will increasingly ask these questions, he says, even if regulators don't - and will move business to jurisdictions with more robust regulation if they don't get the right answers. Lessons for India's public energy giants The need for more incisive climate action and disclosure doesn't just apply to banks, but to most public sector energy giants too, says Balasubramanian Viswanathan, a policy adviser with the think tank International Institute for Sustainable Development (IISD). 'India's state-owned enterprises are huge entities, and they are some of the biggest financiers,' he explains. They also invest in each other: for example, the State Bank of India is a major shareholder of Coal India Limited, the government-owned coal mining and refining giant.

'These companies haven't, in my view, embraced climate action to the scale and speed that the world needs and [the rest of the world] is heading towards,' he says. They are currently expanding their clean energy portfolio, Viswanathan says, but when it comes to decarbonising their fossil assets 'there is no plan for thinking beyond coal'. Recommended Some of India's biggest private conglomerates such as Reliance and Adani[9] have laid out decarbonisation plans. Reliance plans to achieve net zero by 2035[10], and Adani aims to become the world's largest renewable energy producer[11], with a $70 billion investment by 2030. They are doing so by setting out long term plans and building capacity, including acquiring or teaming up with specialised operators in the fields of hydrogen[12], batteries[13] and more.

On the other hand, other public financial institutions and energy giants are still focusing on short term goals such as avoiding energy shocks and strengthening security, and fossil fuels are still seen as a quick fix for these issues, says Viswanathan. But time is running out.

A key reason why India's banks and public institutions should act now to address climate risk, Viswanathan says, is that 'at the moment they have a very strong balance sheet, and are able to raise a lot of capital at favourable interest rates'. But as investors' perspectives on these companies change due to their fossil-intensive assets, they will not be able to raise capital as easily, and planning for an energy transition will become much harder.

This article was first published by Lights On[14]

[ 1]: [*https://www.nrdc.org/sites/default/files/india-heat-resilient-cities-ib.pdf*](https://www.nrdc.org/sites/default/files/india-heat-resilient-cities-ib.pdf) [ 2]: [*https://climateriskhorizons.com/research/Unprepared.pdf*](https://climateriskhorizons.com/research/Unprepared.pdf) [ 3]: [*https://climateriskhorizons.com*](https://climateriskhorizons.com)/ [ 4]: [*https://www.thethirdpole.net/en/climate/what-is-the-****ipcc****/*](https://www.thethirdpole.net/en/climate/what-is-the-ipcc/) [ 5]: [*https://www.****ipcc****.ch/report/ar6/wg1/downloads/report/****IPCC****\_AR6\_WGI\_Full\_Report.pdf*](https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_Full_Report.pdf) [ 6]: [*https://www.****ipcc****.ch/report/ar6/wg1/downloads/factsheets/****IPCC****\_AR6\_WGI\_Regional\_Fact\_Sheet\_Asia.pdf*](https://www.ipcc.ch/report/ar6/wg1/downloads/factsheets/IPCC_AR6_WGI_Regional_Fact_Sheet_Asia.pdf) [ 7]: [*https://www.maplecroft.com/insights/analysis/asian-cities-in-eye-of-environmental-storm-global-ranking/*](https://www.maplecroft.com/insights/analysis/asian-cities-in-eye-of-environmental-storm-global-ranking/) [ 8]: [*https://www.thethirdpole.net/en/climate/beyond-net-zero-2070-india-climate-pledges-explained/*](https://www.thethirdpole.net/en/climate/beyond-net-zero-2070-india-climate-pledges-explained/) [ 9]: [*https://www.businessinsider.in/science/environment/news/from-mukesh-ambani-to-gautam-adani-indias-billionaires-and-big-corporations-made-huge-promises-this-year-to-fight-climate-change/slidelist/88208860.cms#slideid=88209146*](https://www.businessinsider.in/science/environment/news/from-mukesh-ambani-to-gautam-adani-indias-billionaires-and-big-corporations-made-huge-promises-this-year-to-fight-climate-change/slidelist/88208860.cms#slideid=88209146) [ 10]: [*https://www.ril.com/ar2020-21/natural-capital.html*](https://www.ril.com/ar2020-21/natural-capital.html) [ 11]: [*https://www.livemint.com/companies/news/gautam-adani-s-70-billion-pledge-now-includes-greenest-data-centers-11636693056884.html*](https://www.livemint.com/companies/news/gautam-adani-s-70-billion-pledge-now-includes-greenest-data-centers-11636693056884.html) [ 12]: [*https://www.livemint.com/companies/news/adani-group-ties-up-with-canada-s-ballard-for-hydrogen-fuel-cells-in-india-11645461907159.html*](https://www.livemint.com/companies/news/adani-group-ties-up-with-canada-s-ballard-for-hydrogen-fuel-cells-in-india-11645461907159.html) [ 13]: [*https://www.livemint.com/companies/news/reliance-industries-bill-gates-others-to-invest-144-million-in-battery-storage-company-11628568352392.html*](https://www.livemint.com/companies/news/reliance-industries-bill-gates-others-to-invest-144-million-in-battery-storage-company-11628568352392.html) [ 14]: [*https://lightson.news/c/the-climate-breaking-points-looming-over-indias-big-banks*](https://lightson.news/c/the-climate-breaking-points-looming-over-indias-big-banks)

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[***2022 SkS Weekly Climate Change & Global Warming News Roundup #14***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6568-VXN1-JCMN-Y44J-00000-00&context=1516831)

Newstex Blogs

Skeptical Science

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Apr 10, 2022( Skeptical Science: [*http://www.skepticalscience.com*](http://www.skepticalscience.com) Delivered by Newstex)

Listing of articles linked to on theSkeptical Science Facebook Page[1] during the past week: Sun, April 3, 2022 through Sat, April 99, 2022.

The following articles sparked above average interest during the week (bolded articles are from SkS authors): 'Superblooms of fungus': Climate change is making valley fever worse[2], Why teach critical thinking about climate change?[3], Pinterest bans misinformation about climate change[4], The 1.5-Degree Goal Is All But Dead[5], and Climate Revolution': Scientists Launch Global Civil Disobedience Campaign[6].

Articles Linked to on Facebook

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Newstex Blogs

Digital Journal

April 5, 2022 Tuesday 4:00 PM EST

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Apr 05, 2022( Digital Journal: [*http://www.digitaljournal.com*](http://www.digitaljournal.com) Delivered by Newstex)

Oil platforms, pipelines, coal power plants and other fossil fuel assets could lose trillions of dollars in the battle against climate change in the coming decades, experts say.

The warning was issued in a 3,000-page report by UN experts who said fossil fuel assets must be retired and replaced with clean energy faster to mitigate financial losses.

Such assets will become 'stranded' and worth less than expected because they may never be used since fossil fuel demand must fall in the near future to limit greenhouse gas emissions.

Limiting warming to the aspirational 1.5 degree Celsius target in the Paris Agreement, or the more conservative 2C goal, 'will strand fossil-related assets', said the UN's Intergovernmental Panel on Climate Change (***IPCC***) in its latest report Monday.

'The combined global discounted value of the unburned fossil fuels and stranded fossil fuel infrastructure has been projected to be around 1-4 trillion dollars from 2015 to 2050 to limit global warming to approximately 2C, and it will be higher if global warming is limited to approximately 1.5C,' the ***IPCC*** said.

Any move to alleviate the impact of climate change means using less fossil fuel, thus rendering assets obsolete as companies are under pressure to move away from harmful energy production.

The ***IPCC*** said that if current oil, gas and coal energy infrastructure were to operate for their designed lifetime — without technology to capture and store carbon — capping global warming at the 1.5C target would be impossible.

It said nations should stop burning coal completely and cut oil and gas use by 60 and 70 percent respectively by 2050 to keep within the Paris deal goals, noting that both solar and wind were now cheaper than fossil fuels in many places.

The idea of 'stranded assets' dates back to the 2010s and was put forward by think tank Carbon Tracker.

Companies could be further affected by governments taking decisions such as increasing the price of coal or even banning certain energies.

Consumers could also turn to other products like electric vehicles.

Other assets impacted include infrastructure such as drilling platforms, which have become useless quicker than expected.

Some fossil fuel reserves will become too costly to exploit due to falling prices.

- Risky bets -

For the ***IPCC***, coal-related assets are the most vulnerable before 2030, than those that are oil- and gas-related towards mid-century.

The idea of stranded assets, taken up by both environmentalists and investors, has gained popularity and has been used in shareholder meetings of energy companies such as ExxonMobil or TotalEnergies.

The climate issue has in fact become central to some companies, even if it has taken three decades after the ***IPCC***'s creation in 1988.

'It's really the financial risk that originally created this spark, which took a long time,' said Hugues Chenet, research associate at Polytechnique and the University College London.

That 'convinced financial actors there was a problem.'

The idea of 'stranded assets' — which Chenet prefers to call 'obsolete' — has made it possible to pinpoint a 'contradiction'.

There is one 'path that says we must live without fossil fuels, facing an economy that is rather more geared up to do the opposite'.

Lucie Pinson of NGO Reclaim Finance, who does not find the climate commitments of major companies like TotalEnergies credible, also pointed out the inconsistency.

'We can see that (TotalEnergies) doesn't believe in its own (climate) rhetoric, because if it believed it, it would not develop projects which have no future,' she added.

- Revenue losses -

It's decision time for countries which get revenue from fossil fuels.

From Azerbaijan to Angola to Nigeria and Saudi Arabia, oil producers risk losing a significant amount of their revenue over the next 20 years, warned Carbon Tracker.

But 'if they continue to invest, you're betting on the failure of policy action on climate but you're also betting on the failure of renewables and other low carbon technologies to displace oil and gas', said Carbon Tracker's Mike Coffin, who calls on countries to diversify.

Another risky bet would be to ignore acting against climate change, hoping to make profits from oil and gas.

But 'you'll lose way more on all your other assets when you've got forest fires, global migrations, famine,' he said.

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The post World's fossil fuel assets risk evaporating in climate fight[1] appeared first on Digital Journal[2].

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Newstex Blogs

Niagara At Large

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**Body**

Apr 10, 2022( Niagara At Large: [*https://niagaraatlarge.com*](https://niagaraatlarge.com) Delivered by Newstex)

By Not Acting Now, We also Waste Away the Right to a Good Life for our Children

'The jury has reached a verdict and it is damning. We are on a fast track to climate disaster. It is time to stop burning our planet and start investing in the abundant renewable energy all around us.' - an excerpt from a message from United Nations Secretary-General Antonio Guterres

A Commentary by Niagara At Large reporter and publisher Doug Draper, followed by the latest climate emergency report released by the U.N.'s Intergovernmental Panel on Climate Change (***IPCC***).

Posted April 10th, 2022 on Niagara At Large

Of all the pressing problems we now face in this world - from affordable housing and galloping inflation to COVID-18 and the war crimes in the Ukraine - there is one that will continue to ravage life on this planet for generations to come if we don't take decisive action to solve it now.

That problem is climate change and in yet another detailed report released this April 4th by scientists working under the umbrella of the Unite Nation's Intergovernmental Panel on climate change, we have been presented with one of the starkest warnings yet that we are on the road to a global meltdown if we continue to deny, delay or lie our way out of addressing this most perilous or problems.

Canada's west in these recent years of unprecedented wildfires. Yet too many of our politicial leaders are willing to risk more of this over taking decisive action to deal with the causes of climate change.

As we approach the 52nd anniversary of Earth Day on this coming Friday, April 22nd, one of this aging environment reporter's worst fears is that other pressing problems like the pandemic and the war Putin ignited in eastern Europe has put all of the attention and energy that the climate crisis finally began to receive before the COVID-19 plague began on the backburner.

Teen activist Greta Thunberg helped ignite a global climate action movement

Thanks to a heroic teenager named Greta Thunberg and to multi-millions of other young people around the world, and to all of us older people who made a genuine effort to support them, we entered this decade of the 21st century with legions of people, marching in the streets of cities and towns around the world for governments to finally act on what is already unfolding as code-red climate emergency.

When the dark clouds of the COVID plague swept over us, those great marches for action all but ended even as - as recently as this past year we could turn on the news almost any day of the week and witness the destructive impacts of unprecedented wind storms, floods, droughts and wildfires that, in some cases, wiped out whole communities.

At the same time, we have our own federal government in Canada table a budget this first week of April that continues to subsidies the production of climate-ravaging fossil fuel operations, and a Premier in Ontario who can't build enough highways, and too many politicians and planning staff at the municipal level who continue to allow development that wipes out woodlands, wetlands and food-growing lands.

Right her in Niagara, Ontario we have volunteer citizens still fighting Dave vs. Goliath battles to save significant natural assets like Waverly Woods in Fort Erie and the Thundering Waters Forest and its bevy of provincially significant wetlands in Niagara Falls from predatory developers.

We still have too many individuals in politics and on staff for governments who don't understand the real cost of doing little or nothing.

We have a Niagara regional government that continues to consider proposals to expand urban boundaries into rural areas that hose what is left of our green resources.

There are good municipal councillors fighting such plans and proposals, that should have been buried in graves in the last century, but unfortunately there are still not enough of them and the staff our municipalities and other government bodies need to make sound, 21st century planning decisions.

So here we are, and it is our children and grandchildren who will suffer the most if we don't clean up our act now.

Will we? I am sorry to say that approaching the even of this Earth Day, I am not sure.

Now here is a statement the United Nation's Secretary-General issued as a warning this past April 4th, followed by links to the April 4th report released by scientists for the U.N.s Intergovernmental Panel on Climate Change (***IPCC***) -

Secretary-General Antonio Guterres Warns of Climate Emergency, Calling Intergovernmental Panel'sReport 'a File of Shame', While Saying Leaders 'Are Lying', Fuelling Flames

United Nationsl Secretary-General Antonio Guterres

'Following is the text of UN Secretary-General António Guterres' video message on the launch of the third Intergovernmental Panel on Climate Change (***IPCC***) report, in New York today:

The jury has reached a verdict. And it is damning. This report of the Intergovernmental Panel on Climate Change is a litany of broken climate promises. It is a file of shame, cataloguing the empty pledges that put us firmly on track towards an unlivable world.

We are on a fast track to climate disaster. Major cities under water. Unprecedented heat waves. Terrifying storms. Widespread water shortages. The extinction of a million species of plants and animals. This is not fiction or exaggeration. It is what science tells us will result from our current energy policies.

We are on a pathway to global warming of more than double the 1.5C limit agreed in Paris. Some Government and business leaders are saying one thing, but doing another. Simply put, they are lying. And the results will be catastrophic. This is a climate emergency.

Climate scientists warn that we are already perilously close to tipping points that could lead to cascading and irreversible climate impacts. But, high‑emitting Governments and corporations are not just turning a blind eye, they are adding fuel to the flames.

They are choking our planet, based on their vested interests and historic investments in fossil fuels, when cheaper, renewable solutions provide green jobs, energy security and greater price stability.

We left COP26 [twenty-sixth Conference of the Parties to the United Nations Framework Convention on Climate Change] in Glasgow with a nave optimism, based on new promises and commitments. But, the main problem — the enormous, growing emissions gap — was all but ignored. The science is clear: to keep the 1.5C limit agreed in Paris within reach, we need to cut global emissions by 45percent this decade.

But, current climate pledges would mean a 14percent increase in emissions. And most major emitters are not taking the steps needed to fulfil even these inadequate promises.

Canadian Green Party leader Elizabeth May arrested six years ago for protesting construction of tar sands pipeline in British Columbia. No corporate leader responsible for pumping harmful quantities of carbon gases into the atmosphere has ever been arrested in Canada

Climate activists are sometimes depicted as dangerous radicals. But, the truly dangerous radicals are the countries that are increasing the production of fossil fuels.

Investing in new fossil fuels infrastructure is moral and economic madness. Such investments will soon be stranded assets — a blot on the landscape and a blight on investment portfolios. But, it doesn't have to be this way.

Today's report is focused on mitigation — cutting emissions. It sets out viable, financially sound options in every sector that can keep the possibility of limiting warming to 1.5C alive.

First and foremost, we must triple the speed of the shift to renewable energy. That means moving investments and subsidies from fossil fuels to renewables — now. In most cases, renewables are already far cheaper. It means Governments ending the funding of coal, not just abroad, but at home.

It means climate coalitions, made up of developed countries, multilateral development banks, private financial institutions and corporations, supporting major emerging economies in making this shift. It means protecting forests and ecosystems as powerful climate solutions. It means rapid progress in reducing methane emissions. And it means implementing the pledges made in Paris and Glasgow.

Leaders must lead. But, all of us can do our part. We owe a debt to young people, civil society and indigenous communities for sounding the alarm and holding leaders accountable. We need to build on their work to create a grass‑roots movement that cannot be ignored.

If you live in a big city, a rural area or a small island State; if you invest in the stock market; if you care about justice and our children's future; I am appealing directly to you: demand that renewable energy is introduced now — at speed and at scale; demand an end to coal-fired power; demand an end to all fossil fuel subsidies.

Why are residents in Ontario suffering through so many record-breaking floods? Climate laggards like Ontario Premier Doug Ford may still be trying to figure that out, even as he takes a trip to Ottawa a few years ago to inspect costly flood damage to homes and businesses.

Today's report comes at a time of global turbulence. Inequalities are at unprecedented levels. The recovery from the COVID-19 pandemic is scandalously uneven. Inflation is rising, and the war in Ukraine is causing food and energy prices to skyrocket. But, increasing fossil‑fuel production will only make matters worse.

Choices made by countries now will make or break the commitment to 1.5C . A shift to renewables will mend our broken global energy mix and offer hope to millions of people suffering climate impacts today. Climate promises and plans must be turned into reality and action, now. It is time to stop burning our planet and start investing in the abundant renewable energy all around us.'

For a link to the IPPC report, click on - [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_FinalDraft\_FullReport.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_FinalDraft_FullReport.pdf)[1]

NIAGARA AT LARGE Encourages You To Join The Conversation By Sharing Your Views On This Post In The Space Following The Bernie Sanders Quote Below.

'A Politician Thinks Of The Next Election. A Leader Thinks Of The Next Generation.' - Bernie Sanders

[ 1]: [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_FinalDraft\_FullReport.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_FinalDraft_FullReport.pdf)

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[***The SEC's climate proposal is not grounded in sound science***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656B-3ND1-JCMN-Y3H3-00000-00&context=1516831)

Newstex Blogs

Watts Up With That?

April 10, 2022 Sunday 5:11 PM EST

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**Length:** 421 words

**Byline:** Andy May

**Body**

Apr 10, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

By Andy May

On March 22, 2022, the SEC released a new rule for public comment that would require public companies to report the climate-related impact of their businesses. Since it has been well established in multiple ***IPCC*** reports that the human impact on climate has never been observed, only modeled, this seems unnecessary. The climate models, used by the ***IPCC*** and NOAA to 'compute' the human impact on climate have already been invalidated by Dr. Ross McKitrick and Dr. John Christy in their well-known 2020 Earth and Space Science peer-reviewed paper[1].

As you might imagine I had quite a lot more to say about this foolish rule that forces companies to make up costs that have an imaginary effect on an imaginary modeled climate future. You can find it in my Washington Examiner op-ed, here[2].

To read the full uncut Author's version of the op-ed, see here[3].

Article Rating

[ 1]: [*https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2020EA001281*](https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2020EA001281) [ 2]: [*https://www.washingtonexaminer.com/opinion/op-eds/the-secs-climate-proposal-is-not-grounded-in-sound-science*](https://www.washingtonexaminer.com/opinion/op-eds/the-secs-climate-proposal-is-not-grounded-in-sound-science) [ 3]: [*https://andymaypetrophysicist.com/2022/04/10/the-sec-climate-change-proposal-is-not-grounded-in-science-authors-cut/*](https://andymaypetrophysicist.com/2022/04/10/the-sec-climate-change-proposal-is-not-grounded-in-science-authors-cut/)

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[***UN: 18 nations have gone green on climate, raked in green***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655C-JTR1-F03R-N3CP-00000-00&context=1516831)

Newstex Blogs

MarketBeat

April 5, 2022 Tuesday 10:05 PM EST

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**Length:** 1504 words

**Body**

Apr 05, 2022( MarketBeat: [*https://www.marketbeat.com*](https://www.marketbeat.com)/ Delivered by Newstex)

Wind turbines turn behind a solar farm in Rapshagen, Germany, Thursday, Oct. 28, 2021. Proponents of clean energy and thinks tanks have long said it's possible to reduce emissions and keep an economy growing. Now the latest report from the world's top climate scientists says 18 countries have done just that, sustaining emissions reductions 'for at least a decade' as their economies continued to grow. (AP Photo/Michael Sohn, File)

Proponents of clean energy and thinks tanks have long said it's possible to reduce emissions and keep an economy growing. Now the latest report from the world's top climate scientists says 18 countries have done just that, sustaining emissions reductions 'for at least a decade' as their economies continued to grow.

The United Nation's Intergovernmental Panel on Climate Change (***IPCC***) did not name the countries, citing inconsistency in the data.

But using figures from Global Carbon Project, which are not part of the report, The Associated Press found 19 nations where the pre-pandemic annual carbon dioxide emissions were at least 10 million metric tons less in 2019 than in 2010. They are the United States, the United Kingdom, Germany, Japan, Italy, Ukraine, France, Spain, Greece, Netherlands, Mexico, Finland, Singapore, Denmark, the Czech Republic, Belgium, Poland, Romania and Sweden.

The ***IPCC*** identified three common factors for countries that have been able to decarbonize: They used less energy, transitioned away from fossil fuels to renewable energy and increased the energy efficiency of their products.

Such countries 'can export a model that shows we can reduce emissions and still have high levels of well-being," said Greg Nemet, a professor of energy and public policy at the University of Wisconsin-Madison La Follette School of Public Affairs. 'We can export policies that have played a role in achieving that.'

While the list of countries points a way forward, it also raises questions of equity. The United States, Germany, Japan and the United Kingdom are among the largest contributors to historical carbon emissions. Their residents already have electricity and to a large degree, vehicles.

Nemet, who is also a lead author of the ***IPCC*** report, added that developed countries that have been historical contributors to climate change and have been able to decarbonize need to take a 'leadership' role in helping developing countries do the same. (Ad) Nevada may be known as the "Silver State," but it's also the hot spot for North American lithium. With China controlling 80% of the world's lithium supply, the defense industry and electric vehicle manufacturers are scrambling for more domestic sources of the valuable metal.

Historic emissions and discussions of responsibility are always discussed during U.N. climate conferences. But getting industrialized countries to agree on whether compensation for damages is warranted or how much they should pay to help poorer countries invest in green technologies, has all proved elusive.

The least developed countries in the world are estimated to have emitted just 3.3% of global greenhouse gases in 2019, Inger Andersen, executive director of the United Nations Environment Programme, pointed out in a statement to the AP. Some experts note that developing countries often are forced to borrow money at higher rates of interest than developed nations, which can make large capital projects prohibitive.

'The 18 countries that have balanced emissions reduction and economic growth are indeed examples that give us hope for the future but... all developed nations have a historic responsibility to ensure that they lean in - whether on the Paris Accord targets of delivering $100 billion a year in climate finance, on ensuring poorer countries have access to technology and knowledge to make these shifts," or by leading, making these transitions first, she said.

Michael Grubb, a lead writer on the ***IPCC*** report and professor of energy and climate change at the University College of London, said in the report that scientists ran economic and emissions scenarios to see what would happen globally at different levels of carbon pollution reduction. In nearly every scenario -- including the 'most aggressive' ones to cut carbon emissions -- the global gross domestic product still nearly doubled by mid-century. Even in the scenario with the deepest emission cuts, GDP jumped 96%, Grubb said.

'The point is in practice, what we do in climate mitigation in macroeconomic terms is really going to be lost in the noise of the overall effectiveness of our economic policies,' he said.

Grubb said the ***IPCC*** report declined to name the 18 countries because the data for some counted only carbon dioxide while for others included all greenhouse gases. Baseline years also differed. Depending on the parameters, there are more nations that reduced emissions while growing their economies, he said.

Patricia Romero-Lankao, a senior scientist at the National Renewable Energy Laboratory and lead author of the portion of the ***IPCC*** report on national and subnational policies, said she's optimistic. But she stressed how much more must be done to aid disadvantaged communities and regions in decarbonizing and repairing the impacts of climate change.

'This is not a technical problem,' she said. 'We need to understand what they need, what challenges they face and how we can adapt our toolset to help us respond to that.'

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The Associated Press Health and Science Department receives support from the Howard Hughes Medical Institute's Department of Science Education. The AP is solely responsible for all content.

7 E-Commerce Stocks That Aren't Tangled in the Supply Chain[1] E-commerce is being identified as a prime contributor to our current supply chain difficulties. Flush with cash during the pandemic, many Americans took to shopping online as part of their new normal. Demand quickly outpaced supply, particularly as many factories were dealing with labor shortages due to Covid-19 restrictions.

While that may oversimplify the problem with the global supply chain, there's little doubt that e-commerce transactions have made an impact. In fact, e-commerce was one of the fastest-growing segments of the economy prior to the Covid-19 pandemic. It's part of the continuing digitization of the economy. And that makes it a segment that investors can't afford to ignore.

Just how much of an impact does e-commerce make? In 2020 alone, there were 454 billion transactions worldwide totaling $4.2 trillion in sales. But that only tells part of the story. As big as that number is, it makes up less than 20% (17.8%) of all retail sales worldwide. A large number of those transactions go through Amazon (NASDAQ: AMZN).

However, if you missed out on buying Amazon when it was still 'just' an online bookseller, you may find a share price of over $3,000 per share a little tough to swallow. That's why we've put together this special presentation. We've identified seven companies that are likely to perform well despite the current supply chain crisis and have business models that will be sustainable even when supply and demand get back into balance.

View the "7 E-Commerce Stocks That Aren't Tangled in the Supply Chain"[2].

[ 1]: [*https://www.marketbeat.com/slideshows/7-e-commerce-stocks-that-arent-tangled-in-the-supply-chain/1.aspx?utm\_source=BottomOfArticle&utm\_medium=WebsiteInternal&utm\_campaign=7-e-commerce-stocks-that-arent-tangled-in-the-supply-chain*](https://www.marketbeat.com/slideshows/7-e-commerce-stocks-that-arent-tangled-in-the-supply-chain/1.aspx?utm_source=BottomOfArticle&utm_medium=WebsiteInternal&utm_campaign=7-e-commerce-stocks-that-arent-tangled-in-the-supply-chain) [ 2]: [*https://www.marketbeat.com/slideshows/7-e-commerce-stocks-that-arent-tangled-in-the-supply-chain/1.aspx?utm\_source=BottomOfArticle&utm\_medium=WebsiteInternal&utm\_campaign=7-e-commerce-stocks-that-arent-tangled-in-the-supply-chain*](https://www.marketbeat.com/slideshows/7-e-commerce-stocks-that-arent-tangled-in-the-supply-chain/1.aspx?utm_source=BottomOfArticle&utm_medium=WebsiteInternal&utm_campaign=7-e-commerce-stocks-that-arent-tangled-in-the-supply-chain)

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[***Fly Less? Go Vegan? How People Can Take Climate Action***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6555-K8N1-JCMN-Y20H-00000-00&context=1516831)

Newstex Blogs

International Business Times News

April 5, 2022 Tuesday 1:50 AM EST

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**Length:** 977 words

**Body**

Apr 05, 2022( International Business Times News: [*http://www.ibtimes.com*](http://www.ibtimes.com) Delivered by Newstex)

Individuals along with economy-wide efficiencies can make a major difference in the drive to avert the worst of global warming, UN climate experts say, estimating that sharp cuts to demand for energy-guzzling services could slash emissions up to 70 percent by 2050.

Avoiding airplanes, eating less meat, insulating your home could all make a dent, particularly when broad swathes of societies embrace change, says the United Nations Intergovernmental Panel on Climate Change.

To cut emissions, switch to a plant-based diet Photo: AFP / Karim SAHIB

While research often focuses on cutting emissions in the supply of goods and services -- energy generation, transport, agriculture, construction -- the ***IPCC*** has for the first time dedicated a whole chapter of its climate solutions report to the demand that drives these industries.

"Having the right policies, infrastructure and technology in place to enable changes to our lifestyles and behaviours can result in a 40-70 percent reduction in greenhouse gas emissions by 2050," said Priyadarshi Shukla co-chair of ***IPCC*** working group that produced the 3,000 page report.

But where can "this untapped potential", as Shukla calls it, be found?

The single best thing you can do is to not fly long-haul Photo: AFP / Valery HACHE

"Avoid, shift, improve" -- these are the key ways to curb demand, the report says.

You can avoid energy-intensive behaviour, switch to low-carbon technologies and improve the efficiency of existing tech.

Even within countries there can be dramatic differences in carbon footprint Photo: AFP / GREG BAKER

In general, there are plenty of opportunities for improvement in the ways people travel from point A to point B.

You can change an internal combustion engine car to an electric one ("improve"), or even "shift" your daily commute to cycling or walking.

When possible the report says people should travel by train instead of plane - but that requires infrastructure Photo: AFP / Charly TRIBALLEAU

The biggest potential for avoidance is reducing long-haul flights. If people took fewer long distance flights and took the train where possible, overall aviation emissions could be reduced by 10 to 40 percent by 2040.

Meanwhile, increasing energy efficiency in homes and other buildings takes first place in the "improve" category.

And the most important "shift" you can make is to adopt a plant-based diet. But becoming a vegetarian or even vegan would have less of an emissions impact than cutting out one long-haul flight a year.

People in Afghanistan have some of the world's lowest per capita carbon footprints Photo: AFP / Javed TANVEER

The report also highlights the need to reduce all types of waste, from energy or food for example.

"Choosing low-carbon options, such as car-free living, plant-based diets without or very little animal products, low-carbon sources of electricity and heating at home as well as local holiday plans," can reduce an individual's carbon footprint by up to nine tonnes of CO2 equivalent, says the ***IPCC***.

Most people in the world never take long-haul flights in the first place and do not have access to nutritious food.

Billions of people have a carbon footprint far below nine tonnes of CO2 equivalent.

For example, the average carbon footprint per inhabitant in Afghanistan is less than one tonne, according to the report, while in most western developed nations it is well over 10 tonnes.

And within countries there can also be an enormous split between the lavish energy consumption of the rich and the meagre carbon footprint of poorer people.

In fact, about half of the world's emissions can be attributed to the consumption of the richest 10 percent of the global population, the report said.

At the bottom of the wealth pyramid, the poorest half of the world contributes around 10 percent of consumption emissions.

"Wealthy individuals contribute disproportionately to higher emissions and have a high potential for emissions reductions while maintaining decent living standards and well-being," the report said.

The responsibility for transforming the world's energy use and economic system to deal with climate change cannot be borne on the shoulders of individuals alone, the report stresses.

While people can make a difference with their lifestyle choices, the ***IPCC*** says transformative change involves more than just individuals' consumption choices.

There also need to be shifts in culture and social norms, business investment, political drivers from institutions, and changes in infrastructure.

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[***Guardian: Media 'Barely Reporting' UN Climate Catastrophe Warnings***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BFC1-JCMN-Y3CW-00000-00&context=1516831)

Newstex Blogs

Watts Up With That?

April 4, 2022 Monday 6:10 PM EST

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**Length:** 729 words

**Byline:** Eric Worrall

**Body**

Apr 04, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

Essay by Eric Worrall

Climate warnings appear to have finally jumped the shark even with liberal media audiences, with reporters focusing on issues people care about, like the economy and Russia's war with Ukraine.

Dire warning on climate change 'is being ignored' amid war and economic turmoil

The third segment of the Intergovernmental Panel on Climate Change report is being overshadowed, just like the previous one

Fiona Harvey[1] Sun 3 Apr 2022 17.45 AEST

Scientists fear that their last-ditch climate warnings are going unheeded amid international turmoil caused by the war in Ukraine, and soaring energy prices.

But theprevious instalment[2]of the vast report - known asworking group 2 of the ***IPCC***[3]- was published a month ago, just as Russia invaded Ukraine, and received onlymuted attention[4], despite warning ofcatastrophic and irreversible upheavals that can only narrowly be avoided[5]by urgent action now. Scientists told theObserverthat Monday's fresh scientific warning must spur governments to belated action.Advertisement[*https://43324aa3403c63d52032174b2f6f751f.safeframe.googlesyndication.com/safeframe/1-0-38/html/container.html*](https://43324aa3403c63d52032174b2f6f751f.safeframe.googlesyndication.com/safeframe/1-0-38/html/container.html)

Deborah Brosnan, adjunct professor of biology at Virginia Tech University in the US and a scientific consultant, told theObserver: 'That [working group 2] report was widely anticipated, but completely ignored. Eclipsed mostly by the war in Ukraine, and domestic issues such as inflation, most major media have barely reported let alone analysed the findings.'

She said people were shocked by the Ukraine war, and concerned about soaring prices, but that the climate crisis also needed urgent attention. 'The war in Ukraine is a terrible tragedy playing out before our eyes, and families rightly fear being pushed into poverty by inflation. Yet we seem blind to the fact that an even larger and existential crisis is already unfolding today - one that will result in a global humanitarian crisis and on a scale never seen before.'

Read more: [*https://www.theguardian.com/environment/2022/apr/03/dire-warning-on-climate-change-is-being-ignored-amid-war-and-economic-turmoil*](https://www.theguardian.com/environment/2022/apr/03/dire-warning-on-climate-change-is-being-ignored-amid-war-and-economic-turmoil)[6]

Poor climate alarmists. They thought they had everything neatly worked out, a carefully planned campaign of interlocking claims, carefully orchestrated to try to ratchet up the alarm and shake the public out of their entirely justified climate apathy. Then a real problem arose and messed up their entire campaign.

4.7 3 votes Article Rating

[ 1]: [*https://www.theguardian.com/profile/fiona-harvey*](https://www.theguardian.com/profile/fiona-harvey) [ 2]: [*https://www.theguardian.com/environment/2022/feb/28/****ipcc****-issues-bleakest-warning-yet-impacts-climate-breakdown*](https://www.theguardian.com/environment/2022/feb/28/ipcc-issues-bleakest-warning-yet-impacts-climate-breakdown) [ 3]: [*https://www.****ipcc****.ch/assessment-report/ar6/*](https://www.ipcc.ch/assessment-report/ar6/) [ 4]: [*https://www.theguardian.com/environment/2022/mar/05/qa-has-the-ipccs-bleak-warning-of-climate-breakdown-been-heard*](https://www.theguardian.com/environment/2022/mar/05/qa-has-the-ipccs-bleak-warning-of-climate-breakdown-been-heard) [ 5]: [*https://www.theguardian.com/environment/2022/feb/28/what-at-stake-climate-crisis-report-everything*](https://www.theguardian.com/environment/2022/feb/28/what-at-stake-climate-crisis-report-everything) [ 6]: [*https://www.theguardian.com/environment/2022/apr/03/dire-warning-on-climate-change-is-being-ignored-amid-war-and-economic-turmoil*](https://www.theguardian.com/environment/2022/apr/03/dire-warning-on-climate-change-is-being-ignored-amid-war-and-economic-turmoil)

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[***Food, Farming And Forestry Must Be Transformed To Curb Global Warming, U.N. Says***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9M51-JCMN-Y1YM-00000-00&context=1516831)

Newstex Blogs

International Business Times News

April 5, 2022 Tuesday 4:45 PM EST

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**Length:** 766 words

**Body**

Apr 05, 2022( International Business Times News: [*http://www.ibtimes.com*](http://www.ibtimes.com) Delivered by Newstex)

Protecting forests, changing diets, and altering farming methods could contribute around a quarter of the greenhouse gas cuts needed to avert the worst impacts of climate change, according to the United Nations' climate panel.

But the changes are unlikely to happen unless governments act to spur them along, the report from the Intergovernmental Panel on Climate Change released on Monday found.

"We are in the early stages of climate and agriculture policy development, but we need to start with acknowledging the urgency of the challenge," said Ben Lilliston, director of rural strategies and climate change for the Institute for Agriculture and Trade Policy. "The ***IPCC*** warns that governments thus far have not been up to the task."

About 22% of global greenhouse gas emissions came from agriculture, forestry, and other land use sectors in 2019, the report said, around half of which were from deforestation. Much of the rest came from the combustion of fossil fuels.

Mitigation measures in those sectors - including protecting forests from clearcutting, sequestering carbon in agricultural soils, and more sustainable diets - can provide as much as 20%-30% of the emissions reductions needed to limit global warming to 1.5 or 2 degrees Celsius above pre-industrial levels.

Scientists say that is the threshhold at which climate change risks spinning out of control.

"Indigenous Peoples, private forest owners, local farmers and communities manage a significant share of global forests and agricultural land and play a central role in land-based mitigation options," the report said.

While the changes required in the agriculture, forestry and other land use sectors - dubbed AFOLU by climate specialists - would not cost much to implement, there is little momentum so far to trigger them, the report said.

A lack of institutional and financial support, uncertainty over long-term tradeoffs of how land is managed, and the dispersed nature of private land holdings have hindered implementation so far, it said.

"Land provides us with so much, for example, food, nature, and our livelihoods," said Di?na ?rge-Vorsatz, vice chair of the ***IPCC*** working group that authored the report. "These competing demands have to be carefully managed."

One major obstacle is that dictating diet is divisive.

The ***IPCC*** panel's initial report summary included a recommendation that consumers shift to plant-based diets and reduce their intake of meat, according to a draft seen by Reuters.

But the final version of the summary included a recommendation instead for balanced diets that include sustainably produced animal products alongside plants like grains and legumes.

Asked about the changes, Joanna House, an expert on land use at the University of Bristol and an author of the report, said she could not comment on why the changes were made but said the issue of dietary changes is complex.

"If meat is produced sustainably, it can be low carbon and support soil carbon and nutrients," she said. "If produced unsustainably, particularly in intense systems requiring large amounts of animal feed that result in deforestation, it can cause large net emissions."

Global demand for livestock products is growing, a headwind to cutting agriculture's emissions, the report said.

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[***Tuesday News: 'New IPCC report says it's fossil fuels or our future'; 'Zelenskyy to address U.N. amid outrage over Bucha'; 'DeSantis's Threats to Disney Is What Post-Trump Authoritarianism Looks Like'; 'Accelerate the energy transition to protect national security'***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9M51-JCMN-Y154-00000-00&context=1516831)

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Home[1] Climate change[2] Tuesday News: &8220;New ***IPCC*** report says it&8217;s fossil fuels or our future&8221;;...

[*https://bluevirginia.us/2022/04/tuesday-news-new-****ipcc****-report-says-its-fossil-fuels-or-our-future-zelenskyy-to-address-u-n-amid-outrage-over-bucha-desantiss-threats-to-disney-is-what-post-trump-authoritarianism-look*](https://bluevirginia.us/2022/04/tuesday-news-new-ipcc-report-says-its-fossil-fuels-or-our-future-zelenskyy-to-address-u-n-amid-outrage-over-bucha-desantiss-threats-to-disney-is-what-post-trump-authoritarianism-look) by Lowell

Here are a few international, national and Virginia news headlines, political and otherwise, for Tuesday, April 5.

&8216;We are at a crossroads&8217;: New ***IPCC*** report says it&8217;s fossil fuels or our future[3] Stopping Climate Change Is Doable, but Time Is Short, U.N. Panel Warns[4] &8216;It&8217;s now or never&8217;: World&8217;s top climate scientists issue ultimatum on critical temperature limit[5] &8220;Dangerous radicals:&8221; UN takes aim at Australia over fossil fuels and climate lies[6] (At this point, anyone pushing fossil fuels, which are trashing our planet, is a dangerous radical.) Wind energy needs dramatic increase to hit net-zero goals, new report says[7] As Russia&8217;s War In Ukraine Disrupts Food Production, Experts Question the Expanding Use of Cropland for Biofuels[8] (Obviously, ditch insane stuff like corn-based ethanol.) The climate cost of the war in Ukraine[9] (&8220;There&8217;s concern the U.S. push to send more natural gas to Europe will increase climate warming emissions. But energy experts say the crisis might actually speed up the shift to cleaner energy.&8221; Exactly &8211; this increases the urgency, if that&8217;s even possible, for getting off of fossil fuels ASAP!) What&8217;s really holding the world back from stopping climate change[10] (&8220;The latest UN climate report suggests the world has to end new fossil fuel infrastructure to meet current goals.&8221; That includes the Mountain Valley Pipeline here in Virginia!) Another booster? A vaccine for omicron? Here&8217;s what could be next for COVID vaccines[11] Putin&8217;s War Has Started a Global Food Crisis[12] Beatings, threats and mock executions: Residents of one town described the Russian occupation as a terrifying ordeal.[13] Zelenskyy to address U.N. amid outrage over Bucha[14] U.N. to Meet as Horror and Atrocities Mount in Ukraine[15] Bucha Has Joined the Atlas of World Barbarism[16] The Horror of Bucha[17] (&8220;Russian invaders are now treating the entirety of the Ukrainian population as combatants, as dirt to be cleansed.&8221;) Kremlin reverts to type in denial of alleged war crimes in Ukraine&8217;s Bucha[18] (Everything Putin&8217;s regime says is a lie.) &8216;Why did they do this to us?&8217;: Bucha&8217;s survivors come out of hiding[19] (&8220;With the Russians gone, the Ukrainian town&8217;s inhabitants are trying to make sense of the carnage and horror they witnessed&8221;) The Bucha massacre should prompt a forceful response[20] Bucha fills Ukrainians with rage and fear for other unseen atrocities[21] (&8220;How many Buchas will Ukraine have to uncover before the world directly challenges the bloodthirsty dictator in Moscow?&8221;) The bodies of Bucha have set a difficult test for the west[22] (&8220;Analysis: From Ukraine&8217;s point of view, this has to be the time to pile pressure on Germany in particular&8221;) Zelenskyy To Address UN Amid Outrage Over Civilian Deaths[23] (&8220;Germany and France reacted by expelling dozens of Russian diplomats, while President Joe Biden said Russian leader Vladimir Putin should be tried for war crimes.&8221;) Ukraine says Russia preparing offensive in southeast[24] Bristling Against the West, China Rallies Domestic Sympathy for Russia[25] China-Ukraine Diplomats&8217; Call Signals Xi May Finally Speak With Zelenskiy[26] Ukrainian villagers describe cruel and brutal Russian occupation[27] Why Putin faces &8216;more NATO&8217; in the Arctic after Ukraine invasion[28] Satellite images show bodies lay in Bucha for weeks, despite Russian claims.[29] As Russia retreats from Kyiv, U.S. sees uglier fights to come[30] Zelensky: &8216;Very difficult&8217; to negotiate with Russia after Bucha[31] (&8220;Ukrainian President warns worse atrocities may emerge, after hundreds of civilian bodies were found&8221;) US tested hypersonic missile in mid-March but kept it quiet to avoid escalating tensions with Russia[32] Treasury Stops Russia From Paying Debt Through U.S. Accounts[33] Payments to Russia are covered in blood, Kyiv mayor tells EU[34] EU to Propose Banning Russian Coal Imports After Atrocities[35] U.S. Drones for Ukraine Will Include Latest Tank Killers[36] U.S. seizes mega yacht owned by oligarch with close ties to Putin[37] More Than 300 Dogs Found Dead In Ukraine Shelter After Weeks Without Food Or Water[38] (More horrors&8230;) The War in Ukraine Is Shifting, Not Ending[39] Zelensky fears worst atrocities still to be found[40] Orban&8217;s victory sends a warning to the west[41](&8220;The Hungarian leader has long walked a tightrope between the EU and fellow strongmen &8212; but it is getting harder to keep up his balancing act&8221;) Europe has tools to stop Hungary&8217;s toxic ruler. It&8217;s time to use them.[42] (Absolutely; the EU should have done so years ago.) Europe&8217;s other threat to democracy[43] (&8220;While Putin batters Ukraine, his ally Viktor Orb&225;n just strengthened his hold on Hungary.&8221;) The Worst People on the Planet Are Cheering the Reelection of Hungary&8217;s Authoritarian Leader[44] North Korea warns of nuclear response if South provokes it[45] A Flight Over China in Clear Skies, Followed by a Nosedive[46] (Very, very suspicious.) Accelerate the energy transition to protect national security[47] (&8220;Transitioning to a clean-energy future is not just a matter of environmental stewardship, but an investment in national security.&8221; Exactly!) Democratic, GOP Senate bargainers reach $10B COVID agreement[48] Ted Cruz and Josh Hawley Got What They Wanted From Their Child Porn Smear[49] The GOP won&8217;t be honest about opposition to Judge Jackson[50] (&8220;Their reasons cover up the nub of the problem.&8221;) The significance of Judge Ketanji Brown Jackson[51] Lindsey Graham Throws an Impotent S&8211;t Fit Over Ketanji Brown Jackson&8217;s Supreme Court Nomination[52] (Nutjob.) Supreme Court nominee Ketanji Brown Jackson expected to be confirmed this week after bipartisan procedural vote Monday[53] Murkowski, Romney back Jackson, all but assure confirmation[54] Jackson on course for confirmation, with 2 more GOP senators in favor[55] Lindsey Graham: If GOP Controlled Senate, Ketanji Brown Jackson Wouldn&8217;t Get a Hearing[56] (We&8217;d all better make damned sure the Trump Republican Party doesn&8217;t ever control the Senate again.) &8216;Swallowing a toad&8217;: Progressives warm to Manchin&8217;s fossil fuel demands to clinch climate package[57] Can Democrats Make a Deal With Mitt Romney?[58] Why nurses are raging and quitting after the RaDonda Vaught verdict[59] Maybe Amazon Shouldn&8217;t Have Dissed Its Own Workers[60] A Covert Network of Activists Is Preparing for the End of Roe[61] Four things Biden could do to help Democrats in the midterms[62] (&8220;Biden needs to sharpen his message and narrow his agenda.&8221;) Biden-Obama: White House reunion to celebrate health law[63] Democrats hope Obama will give Biden a jolt[64] How Redistricting Affects The Battle For State Legislatures[65] Republicans Just Proved &8216;Right-Wing Populism&8217; Is a Con Job [66] (They&8217;re proved that about a gazillion times over many, many years, but&8230;yes, they proved it AGAIN with their votes against putting a modest cap on the price of insulin.) Book Banning And Threats Against Librarians Soared Over Past Year, Report Shows[67] DeSantis&8217;s Threats to Disney Is What Post-Trump Authoritarianism Looks Like[68] Ron DeSantis&8217;s repulsive war on Disney will soon face a reckoning[69] Fox News Anchor Forced to Remind GOP Senator That Nord Stream 2 Isn&8217;t Operational[70] Biden Sees Rupert Murdoch as &8220;Most Dangerous Man in the World&8221;[71] For Spanish speakers, far-right news site Tierra Pura opens the floodgates to American misinformation[72] Fox News editor covering LGBTQ issues is a conversion therapy proponent who says &8220;transgender identity is dangerous&8221;[73] Analysis: Tesla&8217;s Musk may add to SEC ire with late report about Twitter stake[74] Musk&8217;s Twitter Investment Raises Red Flags for SEC[75] (&8220;The Tesla CEO has set the stage for a new fight with regulators, this time over how he disclosed his investment in the social-media platform.&8221;) Why Elon Musk Is Buying into Twitter[76] (&8220;Like other billionaires, Musk can&8217;t resist the siren call of owning big media.&8221; This won&8217;t end well.) Elon Musk asks Twitter users if they want an edit button; shares rise in premarket trading[77] Trump upset with the state of his new social media site, eyes shakeup[78] Report: Trump&8217;s Truth Social Is an Even Bigger Humiliation Than His Other Business Failures[79] Democrats must hit back hard at GOP book bans. Here&8217;s a start.[80] (&8220;Someone needs to speak for the majority of Americans appalled by the conservative book-banning wave.&8221;) Sarah Palin is back, for a GOP that was remade in her image[81] This Republican about-face is so much worse than &8216;cancel culture&8217;[82] Shooters still at large following mass killing in Sacramento[83] Michigan GOP roils as Trump injects 2020 grievances into midterms[84] Gov. Larry Hogan Approves New Maryland Congressional Map [85] DirecTV to Drop One America News on Tuesday Despite Pressure[86] Photos: Senators Mark Warner, Tim Kaine Meet with Supreme Court Nominee Ketanji Brown Jackson as She Nears Historic Confirmation Vote[87] Rep. Luria: Jan. 6 committee has &8216;responsibility&8217; to refer crimes to DOJ[88] &8216;Many, many issues&8217; &8212; Spanberger reacts to report on I-95 traffic nightmare[89] Rep. Don Beyer (D-VA08) Continues Opposition To Taxpayer-Funded Stadium Construction As Possible Legislation Looms In Richmond[90] (&8220;Super-rich sports team owners like Dan Snyder do not need&8221; taxpayer support) Special Session: Governor Youngkin&8217;s Incompetence Continues to Hurt the Commonwealth[91] (&8220;It is embarrassing and unprecedented for a Governor who has the majority in the House to still not have an agreement on the budget&8230;&8221;) ICYMI: Governor Youngkin Attacks Public Schools Again, Establishes Big Brother Watchdog Office [92] (&8220;Once again the Governor is attempting to bully our teachers&8221;) Youngkin sends gas-tax holiday bills to legislature[93] &8220;Today, we return to Richmond to reaffirm and defend Virginia&8217;s traditions of investing in our people and public servants in a fiscally conservative manner while balancing our budget instead of $3.2B of reckless tax cut gimmicks&8221;[94] House budget leader: Negotiators &8216;aren&8217;t that far apart&8217;[95] General Assembly begins special session, but has little to show for it[96] Va. General Assembly makes brief return to Capitol amid budget impasse[97] Thorny politics get in the way of filling Virginia Supreme Court vacancies[98] Virginia 10-Day New COVID-19 Cases Down 96% Compared to 1/19; Hospitalizations Down to 230 From ~4,000 in January[99] Governor Youngkin signs &8220;beagle bills&8221;[100] &8216;Good day to be a dog or cat&8217; as protections become Virginia law[101] (Now do other animals&8230;and not just at Envigo.) Full Disclosure Briefing: Virginia&8217;s move to renewable energy[102] Video: Far-Right VA Sen. Mark Peake (R) Apparently &8220;Triggered&8221; by Sen. Jennifer McClellan (D)&8217;s Powerful Remarks About Martin Luther King, Jr., Judge Ketanji Brown Jackson[103] (After McClellan&8217;s speech, Peake rants about how Robert Bork, Clarence Thomas and Brett Kavanaugh were treated&8230;) Collective Bargaining: Good For Falls Church Schools, And For All Virginia Localities![104] Video: On 54th Anniversary of Martin Luther King, Jr&8217;s Assassination, Del. Candi King (D-HD2) Says &8220;the current social climate requires that we stay committed to his mission&8221;[105] (&8220;Had Dr. King not been taken from us by white supremacy&8230;would [it have taken] this long to see a Black woman ascend to our highest court?&8221;) Sen. Reeves opposes Amazon data-centers site in Stevensburg, aims to preserve historic &8216;treasures&8217;[106] D.C.-area forecast: Trending wetter and somewhat warmer the next few days[107]

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The shock of the death of my friend and comrade Eric Boehlert[1] is more than I have yet been able even to assimilate. Eric was a mensch in every sense of the word. Personally, he was a model of decency, good humor, and generous instincts. Like so many of us, he was furious at the countless failings of our mainstream media, the purposeful lies of those who exploit these for the benefit of those who would destroy our liberties, our planet, and what remains of the meager protections offered to the most vulnerable among us. But unlike most of us, he not only did something about it in a fashion that often made me tired just to think about, much less to keep up with, but did so with a genial, often funny, ironic attitude that should prove a model to those of us who often find that (entirely justified) anger is getting the best of us.

For the tiniest example of what I mean, here[2] is a tweet from Eric that, I swear, I read aloud to my partner just the other night:

One of the rituals I've embraced in writing this newsletter has been to wait to read Eric's Press Run columns until after I've drafted my own. I did this because had I read them first, I would likely have allowed myself to be overly influenced by his observations and reporting, and I wished to avoid this. But I also knew it would be irresponsible to write almost anything about the media in any given week without knowing what Eric had uncovered and/or revealed. I can't tell you how many times I had to throw away items because Eric had done them sooner and better; or how many items came to my readers much improved because he had noticed connections I had missed or whose significance I initially failed to understand. His never-ending string of tweets went a long way toward justifying Twitter's existence, if such a thing is even possible.

Eric and I became friends decades ago. We worked together briefly and went to concerts and sometimes conferences together. He and his family visited mine on vacation once or twice. But mostly I experienced Eric the way his hundreds of thousands of fans and followers did: as perhaps the most tireless and relentless media critic in all of America. To be honest, I don't know how he did it. I find watching cable TV news to be soul-destroying and have banished it from my life. But Eric appeared to catch everything and expose (or mock) it by doing so in context, a rarity in our benighted political discourse.

Read more Altercation[3]

Eric and I did not have identical political views. He was less apt to criticize mainstream Democratic Party figures like Hillary Clinton or Chuck Schumer than I am, as well as some of their surrogates on MSNBC. Even so, it was a rare moment indeed when Eric and I did not end up in a similar political place. I make this distinction not to hold my path up as necessarily superior, but to point out that while Eric stuck to criticizing sins committed against Democrats rather than those of which its members were sometimes guilty, he never strayed from the truth. The integrity of his work speaks to the profound difference between the two sides in our political discourse and the most significant failing of the mainstream media. Eric was a Democratic Party partisan and stuck to honest, evidence-based arguments. It is literally impossible to identify a Republican Party partisan who does so, because to argue on behalf of that party is to give oneself over to lies. Never mind the racism, the homophobia, the sexism, the ethnocentrism, and the Marjorie Taylor Greene-level insanity. It's a party built on lies. It no longer has any honest partisans. Its supporters in the media are, if they believe themselves to be journalists, by definition betraying their readers by participating in what Hannah Arendt described as the 'consistent and total substitution of lies for factual truth.'[4] The very fact of the honesty and decency of Eric's work tells us of the moral and intellectual bankruptcy of the mainstream media's commitment to bothsidesism, together with the dangers it poses to the future of our democracy.

Tributes to Eric went up quickly on Wednesday. Charles Pierce wrote: 'He was 57, but his spirit was decades younger and his wisdom was decades older, and that's just the way that was, too[5],' and James Fallows wrote this post in his honor[6]. But even more so, I also urge you to check out not only Eric's wonderful Twitter feed[7] and the back issues of Press Run[8] columns, but also and most especially his two books: Lapdogs: How the Press Rolled Over for Bush[9] and Bloggers on the Bus: How the Internet Changed Politics and the Press[10].

My deepest condolences go to Eric's wife Tracy and their children. As for the rest of us, once the shock and the pain have passed, well, let's all try to make his memory a blessing.

So, it's sort of official: We are going to let the planet go to hell to the point where it will become uninhabitable for hundreds of millions of people. There are many culprits in this process. Frogs do not actually allow themselves to be boiled slowly—they jump out of the water—but planets do. Being inanimate objects, they have no choice.

As The Observer's Fiona Harvey reports[11]: 'Scientists fear that their last-ditch climate warnings are going unheeded amid international turmoil caused by the war in Ukraine, and soaring energy prices.' This is their conclusion based on the release of the third segment of the landmark scientific report from the Intergovernmental Panel on Climate Change, likely its last one 'to be published while there is still time to avoid the worst ravages of climate breakdown.' It is warning, Harvey writes, 'that the world is not shifting quickly enough to a low-carbon economy.' Moreover, it is also regardless of the fact that 'the previous instalment[12] of the vast report—known as working group 2 of the ***IPCC***[13]—was published a month ago, just as Russia invaded Ukraine, and received only muted attention[14], despite warning of catastrophic and irreversible upheavals that can only narrowly be avoided[15] by urgent action now.' This is obviously not going to happen. We've been to this movie many times before, and while each version keeps getting scarier, they are also becoming ever more predictable.

What is perhaps most depressing about the ***IPCC*** report is that just a little adjustment regarding our use of fossil fuels would go a long way toward addressing the crisis—and yet, for political reasons, this turns out to be impossible. Here[16] again is Harvey: 'The world can still hope to stave off the worst ravages of climate breakdown but only through a 'now or never' dash to a low-carbon economy and society, scientists have said in what is in effect a final warning for governments on the climate. Greenhouse gas emissions must peak by 2025, and can be nearly halved this decade, according to the Intergovernmental Panel on Climate Change (***IPCC***), to give the world a chance of limiting future heating to 1.5C above pre-industrial levels The final cost of doing so will be minimal, amounting to just a few percent of global GDP by mid-century, though it will require a massive effort by governments, businesses and individuals.'

In fact, the opposite is happening. 'Soaring energy prices and the war in Ukraine have prompted governments to rethink their energy policies. Many countries—including the US, the UK and the EU—are considering ramping up fossil fuels[17] as part of their response.' There are countless culprits in this story. You (and I) are likely among them. But I have to agree with Joe Biden that, in this context, as in so many others, while it may be a close contest with say, the Koch brothers, it is Rupert Murdoch who in this, as in so many other contexts, is the 'most dangerous man in the world[18].' If you want to know why, I suggest you read Eric Boehlert on 'The Murdoch Cancer[19],' or Eric Boehlert on 'How Rupert Murdoch Pushed Australia Into a Climate Change Retreat[20],' or yours truly, quoting Eric Boehlert, on 'The Wall Street Journal Riddle[21].' Damn it. Damn it. Damn it.

I leave you with this video of one of the two nights in March 2009 when Eric Clapton joined the Allman Brothers at the Beacon Theatre[22] for an incredible 54-minute set. It was already a wonderful memory for me, but it will now always be both sadder and sweeter because I got to share it with my friend and comrade Eric Boehlert[23].

[ 1]: [*https://www.nytimes.com/2022/04/06/business/media/eric-boehlert-death.html*](https://www.nytimes.com/2022/04/06/business/media/eric-boehlert-death.html) [ 2]: [*https://twitter.com/EricBoehlert/status/1510310529981730822*](https://twitter.com/EricBoehlert/status/1510310529981730822) [ 3]: [*https://prospect.org/topics/altercation/*](https://prospect.org/topics/altercation/) [ 4]: [*https://www.newyorker.com/magazine/1967/02/25/truth-and-politics*](https://www.newyorker.com/magazine/1967/02/25/truth-and-politics) [ 5]: [*https://www.esquire.com/news-politics/politics/a39655101/eric-boehlert-dies-age-57-media-critic/*](https://www.esquire.com/news-politics/politics/a39655101/eric-boehlert-dies-age-57-media-critic/) [ 6]: [*https://fallows.substack.com/p/framing-in-honor-of-eric-boehlert*](https://fallows.substack.com/p/framing-in-honor-of-eric-boehlert) [ 7]: [*https://twitter.com/EricBoehlert*](https://twitter.com/EricBoehlert)/ [ 8]: [*https://pressrun.media*](https://pressrun.media)/ [ 9]: [*https://www.simonandschuster.com/books/Lapdogs/Eric-Boehlert/9780743299169*](https://www.simonandschuster.com/books/Lapdogs/Eric-Boehlert/9780743299169) [ 10]: [*https://www.simonandschuster.com/books/Bloggers-on-the-Bus/Eric-Boehlert/9781416560111*](https://www.simonandschuster.com/books/Bloggers-on-the-Bus/Eric-Boehlert/9781416560111) [ 11]: [*https://www.theguardian.com/environment/2022/apr/03/dire-warning-on-climate-change-is-being-ignored-amid-war-and-economic-turmoil*](https://www.theguardian.com/environment/2022/apr/03/dire-warning-on-climate-change-is-being-ignored-amid-war-and-economic-turmoil) [ 12]: [*https://www.theguardian.com/environment/2022/feb/28/****ipcc****-issues-bleakest-warning-yet-impacts-climate-breakdown*](https://www.theguardian.com/environment/2022/feb/28/ipcc-issues-bleakest-warning-yet-impacts-climate-breakdown) [ 13]: [*https://www.****ipcc****.ch/assessment-report/ar6/*](https://www.ipcc.ch/assessment-report/ar6/) [ 14]: [*https://www.theguardian.com/environment/2022/mar/05/qa-has-the-ipccs-bleak-warning-of-climate-breakdown-been-heard*](https://www.theguardian.com/environment/2022/mar/05/qa-has-the-ipccs-bleak-warning-of-climate-breakdown-been-heard) [ 15]: [*https://www.theguardian.com/environment/2022/feb/28/what-at-stake-climate-crisis-report-everything*](https://www.theguardian.com/environment/2022/feb/28/what-at-stake-climate-crisis-report-everything) [ 16]: [*https://www.theguardian.com/environment/2022/apr/04/****ipcc****-report-now-or-never-if-world-stave-off-climate-disaster*](https://www.theguardian.com/environment/2022/apr/04/ipcc-report-now-or-never-if-world-stave-off-climate-disaster) [ 17]: [*https://www.theguardian.com/environment/2022/mar/18/could-ukraine-war-help-end-wests-reliance-on-hydrocarbons*](https://www.theguardian.com/environment/2022/mar/18/could-ukraine-war-help-end-wests-reliance-on-hydrocarbons) [ 18]: [*https://www.cnn.com/2022/04/03/media/reliable-sources-biden-murdoch-fox-news/index.html*](https://www.cnn.com/2022/04/03/media/reliable-sources-biden-murdoch-fox-news/index.html) [ 19]: [*https://pressrun.media/p/the-murdoch-cancer-how-one-country*](https://pressrun.media/p/the-murdoch-cancer-how-one-country) [ 20]: [*https://www.mediamatters.org/murdoch-family/how-rupert-murdoch-pushed-australia-climate-change-retreat*](https://www.mediamatters.org/murdoch-family/how-rupert-murdoch-pushed-australia-climate-change-retreat) [ 21]: [*https://www.mediamatters.org/wall-street-journal/wall-street-journal-riddle*](https://www.mediamatters.org/wall-street-journal/wall-street-journal-riddle) [ 22]: [*https://youtu.be/pb22MYqdugE*](https://youtu.be/pb22MYqdugE) [ 23]: [*https://www.washingtonpost.com/media/2022/04/06/eric-boehlert/*](https://www.washingtonpost.com/media/2022/04/06/eric-boehlert/)

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[***UN Calls For Substantial Reduction In Fossil Fuels***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6552-BCF1-F03R-N1PM-00000-00&context=1516831)

Newstex Blogs

The Independent View

April 4, 2022 Monday 4:07 PM EST

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**Length:** 838 words

**Byline:** mhdrucker

**Body**

Apr 04, 2022( The Independent View: [*http://ipview.blospot.com*](http://ipview.blospot.com) Delivered by Newstex)

The United Nations' Climate Change Panel is calling for a 'substantial reduction' in the Global use of Fossil Fuels, in order to avoid the worst impacts of Climate Change.

The Panel says that by 2030, Greenhouse Gas Emissions need to be Cut by at least 43% to prevent 1.5 degrees Celsius of Warming at the end of the Century, a key Threshold that would help the World evade much of the potential Climate Damage. 'We have a really, really stark task ahead of us,' said Stephanie Roe, a Lead Author of the Report[1] and Global Climate and Energy Lead Scientist at the World Wildlife Fund.

'The amount of emission reductions that we need to achieve over the next decade is unprecedented and it needs to be almost immediate, as soon a possible, and it needs to be at a very large scale,' Roe said.

To make the necessary Reductions, the Report calls for Limiting the use of Fossil Fuels. Combustion of Fossil Fuels and Industrial Processes are responsible for about 78% of Climate-Warming Emissions over the past several Decades. In particular, the U.N. Report calls for Limiting the use of Coal by 95%, Oil by 60%, and Natural Gas by 45% in 2050 when compared to their use in 2019. To Limit Warming to 2 degrees Celsius, which would allow substantially more Climate-caused Harm, the use of these Fuels would need to be cut by 85%, 30%, and 15%, respectively, by 2050 compared to their 2019 level.

These Ddeclines factor in the use of Carbon Capture, a still developing Technology, that is used to Capture and Store Emissions from burning Fossil Fuels and other Emitting Activities Without Carbon Capture, limiting Warming to 1.5 degrees Celsius would require a 100% cut in the use of Coal, and a 70% cut in the use of Natural Gas by 2050, the Report said.

The Report says that existing and planned Fossil Fuel infrastructure will leave the 1.5 degree target out of reach, unless steps are taken quickly to Cut Emissions. Many of the World's largest Emitters, including the U.S., China, Russia, and India, have been hesitant to Cut down their use of these Fuels.

This Third Installment of the Intergovernmental Panel on Climate Change's (***IPCC***) Sixth Climate Report, focuses on Climate Solutions. Earlier installments, issued last year and earlier this year, highlighted the 'unequivocal' Scientific basis for Climate Change and its deadly impacts.

These and other Reports have linked Climate Change to: Rising Sea levels, Floods, and Heat Waves, as well as more intense Hurricanes.

A prior Special Report from the ***IPCC***, warned that if Warming is Not limited to 1.5 degrees, it would result in Hotter Temperatures and more Hot Extremes, among other risks.

While Fossil Fuels are the Main driver of Climate Change, other Sectors like Agriculture and Construction also contribute to Warming Temperatures, and the Report calls for Limiting their Emissions as well.

It said that Policies to Limit Emissions from the Agriculture, Forestry, and other Land use sectors 'can deliver large-scale GHG emission reductions' but also Warned that it 'cannot fully compensate for delayed action in other sectors.'

NYC Wins When Everyone Can Vote! Michael H. Drucker

[*http://feeds.feedblitz.com/~/t/0/0/ipview/~reddit.com/submit?url=https://ipview.blogspot.com/2022/04/un-calls-for-substantial-reduction-in.html&title=UN%20Calls%20For%20Substantial%20Reduction%20In%20Fossil%20Fuels*](http://feeds.feedblitz.com/~/t/0/0/ipview/~reddit.com/submit?url=https://ipview.blogspot.com/2022/04/un-calls-for-substantial-reduction-in.html&title=UN%20Calls%20For%20Substantial%20Reduction%20In%20Fossil%20Fuels)

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[***Costa Rica's 'leave it in the ground' policy in doubt after election***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655G-89N1-F03R-N20T-00000-00&context=1516831)

Newstex Blogs

Climate Home News

April 6, 2022 Wednesday 4:00 PM EST

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**Length:** 935 words

**Byline:** Joe Lo

**Body**

Apr 06, 2022( Climate Home News: [*http://www.climatechangenews.com*](http://www.climatechangenews.com) Delivered by Newstex)

Costa Rica's new president may abandon the nation's policy of not producing oil and gas, undermining efforts by the previous administration to lead a global movement.

Conservative economist Rodrigo Chaves Robles was elected president of the central American nation on Sunday night, defeating Jos Mara Figueres.

Asked about oil and gas production during the campaign, Chaves told La Republica[1] he was against oil exploration but 'regarding gas, it is a technical question'.

He continued: 'I do not see a contradiction between the environment and the rational management of natural resources. Norway has done it and has done it super well.'

Norway is Europe's largest producer of gas[2] while also leading on electric vehicle adoption and on contributing money[3] to combat climate change internationally.

Saudi Arabia dilutes fossil fuel phase out language with techno fixes in ***IPCC*** report[4]

Under the outgoing president Carlos Alvarado Quesada and environment minister Andrea Meza, Costa Rica co-founded the Beyond Oil and Gas Alliance with Denmark.

This alliance promised to set an end date for oil and gas extraction and end new concessions, licensing or leasing rounds.

At Cop26 climate talks in Glasgow, UK last November, Costa Rica and Denmark signed up[5] countries including France, Portugal and Sweden representing 0.2% of global oil production.

Ana Mara Durn-Quesada, a physicist and member of Costa Rica's Scientific Climate Change Committee, said that there were 'concerns' about potential gas exploration but 'that's something in which we do not really have a certainty what the direction would be'.

There's no data on how much oil and gas, if any, Costa Rica has. There were attempts decades ago to explore offshore but Costa Rica's stringent conservation rules stopped them.

Global hub launched to help countries slash methane emissions[6]

Sam Goodman is a Costa Rica-based campaigner for La Ruta Del Clima. He said that while the direct impact of gas exploration would be limited, it would have a broader reputational impact.

'We'll have Costa Rica, one of the co-chairs of the Beyond Oil and Gas Alliance and they start the exploratory process for natural gas. How will that look? Because the world looks to Costa Rica as the international leader. A lot of that may be in jeopardy,' Goodman said.

He told Climate Home 'we're definitely going to see some backsliding but it's unclear how significant the backslide will be'.

In Denmark, campaigners are also concerned. Danish Church Aid adviser Mattias Sodeberg told Climate Home 'it is worrying if Costa Rica will change its approach to gas'.

'Their leadership is essential to push the Beyond Oil and Gas Alliance campaign forward. I do hope that they will reconsider carefully before changing their positions, or else they risk losing their leadership position in the climate debate,' he added.

Five takeaways from the ***IPCC***'s report on limiting dangerous global heating[7]

Chaves' choice for environment minister is likely to be made in the next few weeks. This will give a good indication of his environmental policy, Goodman and Durn-Quesada said.

Costa Rica has consistently punched above its weight in climate diplomacy and is known for getting nearly all its electricity from renewable sources - mostly hydropower. The architect of the Paris Agreement, Cristiana Figueres, is a Costa Rican former diplomat and the sister of defeated presidential candidate Figueres.

[ 1]: [*https://www.larepublica.net/noticia/rodrigo-chaves-costa-rica-es-un-pais-rico-y-mal-administrado-que-sigue-los-pasos-de-venezuela*](https://www.larepublica.net/noticia/rodrigo-chaves-costa-rica-es-un-pais-rico-y-mal-administrado-que-sigue-los-pasos-de-venezuela) [ 2]: [*https://www.bp.com/content/dam/bp/business-sites/en/global/corporate/pdfs/energy-economics/statistical-review/bp-stats-review-2021-full-report.pdf*](https://www.bp.com/content/dam/bp/business-sites/en/global/corporate/pdfs/energy-economics/statistical-review/bp-stats-review-2021-full-report.pdf) [ 3]: [*https://cdn.odi.org/media/documents/ODI\_WP\_fairshare\_final0709.pdf*](https://cdn.odi.org/media/documents/ODI_WP_fairshare_final0709.pdf) [ 4]: [*https://climatechangenews.com/2022/04/04/saudi-arabia-dilutes-fossil-fuel-phase-out-language-with-techno-fixes-in-****ipcc****-report/*](https://climatechangenews.com/2022/04/04/saudi-arabia-dilutes-fossil-fuel-phase-out-language-with-techno-fixes-in-ipcc-report/) [ 5]: [*https://climatechangenews.com/2021/11/11/space-opening-discuss-oil-gas-exit-cop26-lobbyists-pushing-back/*](https://climatechangenews.com/2021/11/11/space-opening-discuss-oil-gas-exit-cop26-lobbyists-pushing-back/) [ 6]: [*https://climatechangenews.com/2022/04/05/global-hub-launched-to-help-countries-slash-methane-emissions/*](https://climatechangenews.com/2022/04/05/global-hub-launched-to-help-countries-slash-methane-emissions/) [ 7]: [*https://climatechangenews.com/2022/04/04/five-takeaways-from-the-ipccs-report-on-limiting-dangerous-global-heating/*](https://climatechangenews.com/2022/04/04/five-takeaways-from-the-ipccs-report-on-limiting-dangerous-global-heating/)

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[***Weekly Climate and Energy News Roundup #499***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656G-R311-JCMN-Y30G-00000-00&context=1516831)

Newstex Blogs

Watts Up With That?

April 11, 2022 Monday 10:07 AM EST

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**Length:** 12607 words

**Byline:** Guest Blogger

**Body**

Apr 11, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

The Week That Was: 2022-04-09 (April 9, 2022) Brought to You by SEPP ([*www.SEPP.org*](http://www.SEPP.org)[1]) The Science and Environmental Policy Project

Quote of the Week: 'When a politician says the debate is over, you can be sure of two things: the debate is raging, and he's losing it' - George Will, political commentator [H/t Ron Clutz]

Number of the Week: 18,000

THIS WEEK: By Ken Haapala, President, Science and Environmental Policy Project (SEPP)

Scope: The third part in the four-part series called the 6th Assessment Report (AR6) of the UN Intergovernmental Panel on Climate Change (***IPCC***). This episode is called 'Mitigation of Climate Change' and it is the product of Working Group III which 'focuses on climate change mitigation, assessing methods for reducing greenhouse gas emissions, and removing greenhouse gases from the atmosphere.' Of course, the key assumption is that the group understands climate change and its causes, which it does not. TWTW will discuss a few of the deficiencies in the report. [*https://www.****ipcc****.ch/working-group/wg3/*](https://www.ipcc.ch/working-group/wg3/)[2]

Ross McKitrick published a paper showing another set of errors in using statistics to falsely attribute natural events to human caused climate change. After over thirty years the ***IPCC*** has not learned to use competent statisticians to examine studies claiming human cause.

As Richard Feynman stated: 'If there is something very slightly wrong in our definition of the theories, then the full mathematical rigor may convert these errors into ridiculous conclusions.' (TWTW, Mar 26). The problem is that many politicized scientist, bureaucrats, and politicians claim the ridiculous conclusions are science facts, the same as physical evidence. TWTW will discuss several more examples from NOAA and The Lancet.

The UK government announced it will address the problems brought by not importing Russian gas by relying on more unreliable, expensive wind power and reliable, expensive nuclear power. As discussed below, the problem is that they are fundamentally incompatible.

Francis Menton mentions a graph by the International Energy Agency (IEA) showing that the 'Per-capita CO2 emissions in China now exceed the average in advanced economies.' Of course, this graph renders foolish the claims that advanced economies must curtail carbon dioxide (CO2) emissions. China and Southeast Asia will not stop the use of fossil fuels that is bringing them out of poverty. It takes more than one generation to forget what poverty is.

With Russia's invasion of Ukraine, energy prices are exploding. For the US and Canada, which can be independent of imported fossil fuels, politicians are doing their best to promote temporary 'fixes' as permanent solutions to the problems their policies create. A few examples will be discussed.

Howard Hayden corrected a small error in essay # 6 of his Basic Climate Physics. Correction of error is critical for science to advance. Failure to correct error is one reason ***IPCC*** science has stagnated.

For readers who live in the Washington Metropolitan area, solar physicist Willie Soon is giving a lecture on Monday evening, on 'The Weaponization of Science: Politics, Vilification, and the Climate Debate' at the Hillsdale College Center on Capitol Hill.

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Mitigation of Climate Change? To lessen harmful climate change the ***IPCC*** must identify the causes. It claims that 80% of global warming is caused by human emissions of greenhouse gases, without giving any physical evidence. It claims as physical evidence the projections, forecasts, and predictions from climate models which fail basic testing against physical evidence. Thus, as a physical science, the models are worthless for prediction. As discussed a number of times in TWTWs, such as in the January 29, 2022, climate modeler Mototaka Nakamura and physicist Stephen Koonin have stated that climate simulation models may be a useful teaching tool but are of no value for prediction. Nakamura wrote:

'Before pointing out a few of the serious flaws in climate simulation models, in defense of those climate researchers who use climate simulation models for various meaningful scientific projects, I want to emphasize here that climate simulation models are fine tools to study the climate system, so long as the users are aware of the limitations of the models and exercise caution in designing experiments and interpreting their output. In this sense, experiments to study the response of simplified climate systems, such as those generated by the 'state-of-the-art' climate simulation models, to major increases in atmospheric carbon dioxide or other greenhouse gases are also interesting and meaningful academic projects that are certainly worth pursuing. So long as the results of such projects are presented with disclaimers that unambiguously state the extent to which the results can be compared with the real world, I would not have any problem with such projects. The models just become useless pieces of junk or worse (worse, in a sense that they can produce gravely misleading output) only when they are used for climate forecasting.

'All climate simulation models have many details that become fatal flaws when they are used as climate forecasting tools, especially for mid- to long-term (several years and longer) climate variations and changes. These models completely lack some of critically important climate processes and feedbacks and represent some other critically important climate processes and feedbacks in grossly distorted manners to the extent that makes these models useless for any meaningful climate prediction. It means that they are also completely useless for assessing the effects of the past atmospheric carbon dioxide increase on the climate. I myself used to use climate simulation models for scientific studies, not for predictions, and learned about their problems and limitations in the process.' [Boldface added]

The same TWTW discussed a paper by Richard Lindzen which identified major problems of the ***IPCC*** reports, part of which are below:

The core of the system consists in two turbulent fluids (the atmosphere and oceans) interacting with each other.

The two fluids are on a rotating planet that is differentially [unevenly] heated by the sun and unevenly absorbing the solar warming. Solar rays directly hit the equator and skim the earth at the poles resulting in uneven heating, which drives the circulation of the atmosphere. The result is heat transport from the equator towards the poles (meridional).

The earth's climate system is never in equilibrium. [Boldface added]

In addition to the oceans, the atmosphere is interacting with a hugely irregular land surface distorting the airflow, causing planetary scale waves, which are not accurately described in climate models.

A vital component of the atmosphere is water in its liquid, solid, and vapor phases, and the changes in phases have immense dynamic consequences. Each phase affects incoming and outgoing radiation differently. Substantial heat is released when water vapor condenses, driving thunder clouds. Further, clouds consist of water in the form of fine droplets and ice crystals. Normally, these are suspended by rising air currents, but when these grow large enough, they fall as rain and snow. The energies involved in phase changes are important, as well as the fact that both water vapor and clouds strongly affect radiation.

'The two most important greenhouse substances by far are water vapor and clouds. Clouds are also important reflectors of sunlight. These matters are discussed in detail in the ***IPCC*** WG1 reports, each of which openly acknowledge clouds as major sources of uncertainty in climate modeling.' [Boldface added]

Despite great advances in understanding the atmosphere over the past 40 plus years, the ***IPCC*** continues to ignore its characteristics, including atmospheric temperature trends. In reporting the latest findings by the Earth System Science Center at the University of Alabama in Huntsville, including March 2022, Roy Spencer writes:

'The linear warming trend since January 1979 still stands at +0.13 C/decade (+0.12 C/decade over the global-averaged oceans, and +0.18 C/decade over global-averaged land).'

This modest rise is within natural variability and does not constitute a climate crisis. Nor does it mean that the linear trend will continue at the same rate.

In addition, the work of W. A. van Wijngaarden & W. Happer for a cloud-free atmosphere shows that there is no generalized theory for the greenhouse effect. That the influence of greenhouse gases on temperature changes with altitude and latitude. For example, the influence of Ozone increases from the surface to the Stratosphere up to about 40 km (25 mi) in the mid-latitudes before declining. Further, all five of major greenhouse gases are saturated, meaning that their effectiveness declines with increasing concentration and carbon dioxide and water vapor are strongly saturated.

Using the work of W. A. van Wijngaarden & W. Happer, Atomic, Molecular, and Optical physicist Howard Hayden developed ten essays on Basic Climate Physics, posted on the SEPP website. These essays show that the UN ***IPCC*** can account for less than 25% of the heat needed to raise the earth's surface temperature by 3 degrees C from a doubling of greenhouse gases which is the average claim of the ***IPCC***.

Any organization that claims to be able to forecast the earth's climate without correctly considering the characteristics of the atmosphere is a political organization, not a scientific one. The findings of the UN ***IPCC*** are political, not scientific. See links under Challenging the Orthodoxy, Defending the Orthodoxy, Measurement Issues - Atmosphere, past TWTWs, [*https://wvanwijngaarden.info.yorku.ca/files/2021/03/WPotency.pdf?x45936*](https://wvanwijngaarden.info.yorku.ca/files/2021/03/WPotency.pdf?x45936)[3], and

[*http://www.sepp.org/science\_papers.cfm*](http://www.sepp.org/science_papers.cfm)[4],

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Incompetent Statistics? Statistician Stephen McIntyre and Econometrician Ross McKitrick demolished the notorious hockey-stick featured in the ***IPCC*** Third Assessment Report (AR3, 2001).

In addition, McIntyre has shown that the 2000-year hockey-stick featured in the Summary for Policymakers of The Physical Science Basis, of the Sixth Assessment Report (AR6, 2021) is statistical nonsense. The authors assemble many examples of unrelated proxy data into a hockey-stick and assert that the data sources are related. But they fail to use physical evidence showing their relationships and are contradicted by well-established long-term proxies.

McKitrick has shown that attributing probabilities of human cause to unusual weather events is without an established theoretical basis in Ordinary Least Squares (OLS) Theory and is most likely highly biased.

Now, McKitrick shows huge problems in a different statistical technique used by climate researchers, Total Least Squares (TLS) in assigning human cause to weather events. McKitrick writes:

Continuing my exploration of the statistical elements of the ***IPCC*** climate attribution methodology I have a couple of papers under review at journals in which I use Monte Carlo simulations to analyse the properties of Total Least Squares (TLS, the preferred regression method) under conditions typical in a signal detection regression. There is very little underlying theory about when TLS yields consistent or unbiased results. In a single-variable model with a random explanatory variable TLS corrects a downward bias in Ordinary Least Squares (OLS, the standard regression method). But in many other cases it over-corrects or introduces new biases, and consistency results are not available without imposing unrealistic and untestable assumptions. In one paper I examine the consequences of omitted variables bias, and I will disseminate that paper separately. In this paper I look at what happens if the explanatory variables are allowed to be correlated (as they are in signal detection regressions). The results are, frankly, bizarre. I have posted a draft of the paper on the Earth and Space Science pre-print archive here: [Boldface added, see link below]

The term 'bizarre' may be an understatement. Organizations that use statistics need to have their work reviewed by competent statisticians. Unfortunately, with the use of 'packaged statistical programs,' many users do not understand the theoretical limitations of statistics. It will be interesting to see if the final episode of AR6, The Synthesis Report, due in September contains the same statistical nonsense. See links under Challenging the Orthodoxy.

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Bandwagon Science: NOAA has gone on the methane emissions bandwagon by developing mathematical absurdities. NOAA administrator Rick Spinrad stated:

'The evidence is consistent, alarming, and undeniable. We need to build a Climate Ready Nation to adapt for what's already here and prepare for what's to come. At the same time, we can no longer afford to delay urgent and effective action needed to address the cause of the problem - greenhouse gas pollution,'

According to the NOAA report:

''Reducing methane emissions is an important tool we can use right now to lessen the impacts of climate change in the near term, and rapidly reduce the rate of warming,' Spinrad said. 'Let's not forget that methane also contributes to ground-level ozone formation, which causes roughly 500,000 premature deaths each year around the world.''

Without physical evidence, the claim is a mathematically absurdity. Breathing indoor air from burning dung is a health risk, but ground level ozone from methane is another matter. Is living near swamps in Southeast US deadly? The W. A. van Wijngaarden & W. Happer paper covers the positive climate feedbacks of methane. Strangely, the ***IPCC*** has no negative feedbacks to global warming except humans darkening the skies. Yet the earth has cooled before. NOAA's Global Monitoring Laboratory loses credibility with such reports.

Donn Dears reports on another study showing Americans are villains who produce more than their 'fair share' of carbon dioxide.

'Cutting the carbon footprint of rich countries is useless because these emissions will be replaced by emissions from growing nations.'

'This paper exposes these claims as willfully ignorant, at best. By far the worst polluters are the super-rich, most of whom live in high income countries.'

Do academics who advocate a subsistence lifestyle for Americans lead by example to show how it is done? In their calculations do they include the carbon costs of their computers which require extremely reliable electricity to manufacture? Or the costs of storing data on the cloud, which requires reliable electricity?

The once respected medical journal The Lancet now has a section called Planetary Health. It ran an article stating: 'National responsibility for ecological breakdown: a fair-shares assessment of resource use, 1970-2017' claiming wealthy nations are responsible for 74% of worldwide ecological harm. Obviously, they fail to account for the benefits of adding CO2 to the atmosphere and the enormous damage of subsistence farming. See links under Defending the Orthodoxy - Bandwagon Science.

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Continued Failure of Wind: The UK government is providing a great example of what not to do. Instead of trying to develop domestic sources of natural gas, which can complement shortcomings as nuclear comes online, it is going for wind and nuclear. John Constable writes:

'OUR energy policy has been an incoherent mess since the early 2000s when Tony Blair forced the UK off the carefully engineered and economical gas-to- nuclear strategy that was then under way.'

'Far from clearing up Tony's mess, Boris and his Government appear to have learned nothing from the failure of the New Labour energy policies.'

Constable and Paul Homewood point out that wind and nuclear power are incompatible. Both types of electrical generation are expensive, but the former is highly erratic, unstable, and unreliable, while nuclear is stable and reliable. To TWTW that a large part of the cost of nuclear power is due to concerns with safety that border on neurotic.

As Homewood writes concerning nuclear expansion:

'The current strike price for Hinkley Point C [nuclear] is 113.83/MWh. If prices could be reduced to below 100/MWh, it would make economic sense given current power prices of double that.

'There are two issues raised by this strategy:

'1) Who will build and fund them? [the nuclear reactors]

'2) A nuclear strategy rather undermines the case for wind and solar power. With the baseload provided by nuclear, wind and solar power will be redundant much of the time.

'And, of course, you cannot simply ramp nuclear up and down to match the vagaries of renewables. Quite apart from the technical issues, the economic case for nuclear depends on 24/7 operation.' See links under Energy Issues - Non-US and Nuclear Energy and Fears

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Unreal! The problems for the UK and EU for cutting off Russian oil and gas are real. It takes time to convert to other forms of electricity generation and wind and solar are unreliable unless an affordable, utility scale form of storage is found. As Francis Menton discussed in last week's TWTW and below 'Reality Cannot Penetrate Into The Fantasy World Of Climate Campaigners.'

'For example, why would a small-population jurisdiction like New York — with about 20 million people, compared to about 2.8 billion for the combination of China and India, and with existing fossil-fuel electricity generation capacity of about 25 GW — struggle to reduce its fossil-fueled electricity generation by, say, one GW per year, when China alone is adding 38 GW of coal-fired power plants this year, and another 47 GW next year, with hundreds more gigawatts worth of coal plants already in the pipeline?'

Further, false promises abound. In discussing a report by the Lazard consulting firm, Andrew Montford writes:

'The graph apparently shows a dramatic fall in the costs of various forms of renewable energy. However, with the best will in the world, the numbers it shows are, well, junk.'

'And the Lazard figure doesn't look anything like the equivalent figures for UK offshore windfarms either. The UK is important in this field because it has half of the global offshore wind fleet, as well as completely transparent cost data, in the form of Companies House audited accounts. This data shows that the typical capital cost is now around 3.5m/MW, so up to twice the figure suggested by Lazards.'

US offshore wind plans also show imaginative accounting. Add to this the false climate crisis and China, alone, exceeded per capita emissions of advanced economies according to the EIA:

'On a per capita basis, CO2 emissions in advanced economies have fallen to 8.2 tonnes on average and are now below the average of 8.4 tonnes in China. However, the overall average for advanced economies masks significant differences: per capita emissions average 14 tonnes in the United States, 6 tonnes in the European Union, and 3.2 tonnes in Mexico.'

See links under Challenging the Orthodoxy. Energy Issues - US, Alternative, Green ('Clean') Energy - Storage and Article # 1.

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Small Correction: In Basic Climate Physics #6, Howard Hayden corrects an error on the graph on the first page, Climate Constraint Equation. The values on the vertical axis, Greenhouse Gas Effect G were corrected to a range of 70 to 250 with the value of the horizontal line in the graph showing 159 rather than the previous 398. In entering data, a small typo can make a big difference. Correcting errors advances science, ignoring them does not. See [*http://www.sepp.org/science\_papers.cfm*](http://www.sepp.org/science_papers.cfm)[5]

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Monday Evening Lecture: As seen through his own case concerning climate science, award-winning astrophysicist and geoscientist Willie Soon will explain how science has become politicized to target scientists who disagree with the dominant narrative of the scientific community. Dr. Soon will also consider how science could be reformed to be more open and better able to investigate and debate questions of public policy. There is no cost, but reservations are recommended to attend. See link under Challenging the Orthodoxy.

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SEPP'S APRIL FOOLS AWARD - THE JACKSON

SEPP is conducting its annual vote for the recipient of the coveted trophy, The Jackson, a lump of coal. Readers are asked to nominate and vote for who they think is most deserving. The entire Biden Administration won in 2021, so individuals in it are still eligible.

The voting will close on July 30. Please send your nominee and a brief reason the person is qualified for the honor to [*Ken@SEPP.org*](mailto:Ken@SEPP.org) . The awardee will be announced at the annual meeting of the Doctors for Disaster Preparedness on August 14 to 16.;

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Number of the Week: 18,000. According to promotional material: 'The ***IPCC*** report included 278 authors from 65 countries reviewing over 18,000 scientific papers' all in an effort to avoid discussing the characteristics of the atmosphere where the greenhouse effect occurs. If the greenhouse effect is not significantly increasing in the atmosphere, it cannot cause dangerous warming of the surface. See links under Defending the Orthodoxy.

Challenging the Orthodoxy — NIPCC

Climate Change Reconsidered II: Physical Science

Idso, Carter, and Singer, Lead Authors/Editors, Nongovernmental International Panel on Climate Change (NIPCC), 2013

Summary: [*https://www.heartland.org/\_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf*](https://www.heartland.org/_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf)[6]

Climate Change Reconsidered II: Biological Impacts

Idso, Idso, Carter, and Singer, Lead Authors/Editors, Nongovernmental International Panel on Climate Change (NIPCC), 2014

[*http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts*](http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts)/[7]

Summary: [*https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf*](https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf)[8]

Climate Change Reconsidered II: Fossil Fuels

By Multiple Authors, Bezdek, Idso, Legates, and Singer eds., Nongovernmental International Panel on Climate Change, April 2019

[*http://store.heartland.org/shop/ccr-ii-fossil-fuels/*](http://store.heartland.org/shop/ccr-ii-fossil-fuels/)[9]

Download with no charge:

[*http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf*](http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf)[10]

Why Scientists Disagree About Global Warming

The NIPCC Report on the Scientific Consensus

By Craig D. Idso, Robert M. Carter, and S. Fred Singer, Nongovernmental International Panel on Climate Change (NIPCC), Nov 23, 2015

[*http://climatechangereconsidered.org*](http://climatechangereconsidered.org)/[11]

Download with no charge:

[*https://www.heartland.org/policy-documents/why-scientists-disagree-about-global-warming*](https://www.heartland.org/policy-documents/why-scientists-disagree-about-global-warming)

Nature, Not Human Activity, Rules the Climate

S. Fred Singer, Editor, NIPCC, 2008

[*http://www.sepp.org/publications/nipcc\_final.pdf*](http://www.sepp.org/publications/nipcc_final.pdf)[12]

Global Sea-Level Rise: An Evaluation of the Data

By Craig D. Idso, David Legates, and S. Fred Singer, Heartland Policy Brief, May 20, 2019

Challenging the Orthodoxy

The Weaponization of Science: Politics, Vilification, and the Climate Debate.

By Dr. Willie Soon, Hillsdale College Allan P. Kirby, Jr. Center, 6:30 pm, April 11, 2022

227 Massachusetts Avenue Northeast, Washington, DC 20002

Something Weird About Total Least Squares in Optimal Fingerprinting-Type Regressions

By Ross McKitrick, His Blog, Mar 25, 2022

[*https://www.rossmckitrick.com/;*](https://www.rossmckitrick.com/;)

Link to paper: Total Least Squares Bias when Explanatory Variables are Correlated

By Ross McKitrick, Earth and Space Science, (EssoAr), Mar 24, 2022

[*https://www.essoar.org/doi/10.1002/essoar.10510919.1*](https://www.essoar.org/doi/10.1002/essoar.10510919.1)

online paper

Reality Cannot Penetrate Into The Fantasy World Of Climate Campaigners

By Francis Menton, Manhattan Contrarian, Apr 5, 2022

[*https://www.manhattancontrarian.com/blog/2022-4-5-reality-cannot-penetrate-into-the-fantasy-world-of-climate-campaigners*](https://www.manhattancontrarian.com/blog/2022-4-5-reality-cannot-penetrate-into-the-fantasy-world-of-climate-campaigners)

On Lazard

Renewables Are a Catastrophic Mistake

By Andrew Montford, Net Zero Watch, Apr 4, 2022

Link to report by Lazard

Lazard's Levelized Cost of Energy ('LCOE') analysis addresses the following topics:

By Staff, Lazard, November 2019

Climate Alarmist Claim Fact Checks

By Joseph D'Aleo, CCM, Apr 7, 2022

[*http://icecap.us/index.php/go/political-climate/alarmist\_claim\_rebuttals\_updated/*](http://icecap.us/index.php/go/political-climate/alarmist_claim_rebuttals_updated/)[13];

New ***IPCC*** Report Deals in Politically Convenient Fictions Rather than Fact-Based Reality

By Patrick J. Michaels, CEI, Apr 4, 2022

[*https://cei.org/news\_releases/new-****ipcc****-report-deals-in-politically-convenient-fictions-rather-than-fact-based-reality/*](https://cei.org/news_releases/new-ipcc-report-deals-in-politically-convenient-fictions-rather-than-fact-based-reality/)

And if they don't know that

By John Robson, Climate Discussion Nexus, Apr 6, 2022

'In fact we already have. We did a whole video on it. Which he seems to have missed. So here's the brief summary: ECS, which stands for Equilibrium Climate Sensitivity, is central to the discussion of atmospheric CO2 because what the science actually says is that if CO2 has the warming effects many scientists have believed since Svante Arrhenius's pioneering work, then as Barmby says 'The relationship between global warming to carbon dioxide in the atmosphere is not linear, it is logarithmic.''

Wildfires and mudslides already in the environmental media

By Joseph D'Aleo, CCM, ICECAP, Apr 4, 2022

[*http://icecap.us/index.php/go/joes-blog/wildfires\_already\_in\_the\_environmental\_news1/*](http://icecap.us/index.php/go/joes-blog/wildfires_already_in_the_environmental_news1/)[14]

China Continues To Laugh At Western 'Green Energy' Foolishness

By Francis Menton, Manhattan Contrarian, Apr 2, 2022

[*https://www.manhattancontrarian.com/blog/2022-4-2-china-continues-to-laugh-at-western-green-energy-foolishness*](https://www.manhattancontrarian.com/blog/2022-4-2-china-continues-to-laugh-at-western-green-energy-foolishness)

Link to IEA report: Global Energy Review: CO2 Emissions in 2021

By Staff, EIA, March 2022

[*https://www.iea.org/reports/global-energy-review-co2-emissions-in-2021-2;*](https://www.iea.org/reports/global-energy-review-co2-emissions-in-2021-2;)

You'll Miss Fossil Fuels When They're Gone

Progressives may loathe oil and gas, but modern life doesn't work without them.

By Paul Homewood, Not a Lot of People Know That, Apr 8, 2022

'The following article appeared in the Wall Street Journal:' [By Allysia Finley]

Population Bombing

By Kip Hansen, WUWT, Apr 6, 2022

Defending the Orthodoxy

***IPCC***: Window to avert catastrophic climate change is quickly closing

By Ben Adler, Yahoo News, Apr 4, 2022

[*https://news.yahoo.com/****ipcc****-window-to-avert-catastrophic-climate-change-is-quickly-closing-161926811.html*](https://news.yahoo.com/ipcc-window-to-avert-catastrophic-climate-change-is-quickly-closing-161926811.html)

Climate Change 2022: Mitigation of Climate Change, Summary for Policymakers

Working Group III contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change

By Staff, ***IPCC***, WMO, UNEP, Working Group III, April 7, 2022

White House details 'immense' risks of climate change for federal budget

By Zack Budryk, The Hill, Apr 4, 2022

Meanwhile, OMB analyses determined climate change could cost federal revenues of about 7.1 percent, or $2 trillion a year, by the end of the century.

[SEPP Comment: Destroy the economy now so it won't be damaged in 80 years?]

Climate Intervention

A Policy Statement of the American Meteorological Society

Adopted by the AMS Council on 2 February 2022 [H/t Edwin Berry]

[*https://www.ametsoc.org/index.cfm/ams/about-ams/ams-statements/statements-of-the-ams-in-force/climate-intervention/?utm\_source=Subscribers&utm\_medium=Email&utm\_campaign=Newsletter&\_zs=v5ihc1&\_zl=tN3H8*](https://www.ametsoc.org/index.cfm/ams/about-ams/ams-statements/statements-of-the-ams-in-force/climate-intervention/?utm_source=Subscribers&utm_medium=Email&utm_campaign=Newsletter&_zs=v5ihc1&_zl=tN3H8)

'Greenhouse gas emissions, particularly of carbon dioxide from burning fossil fuels, have already contributed and will continue to contribute to widespread climate changes, with major negative consequences for most humans and ecosystems. This has motivated discussion of mechanisms to reduce warming of the Earth system through intentional interventions, with the goal of reducing the negative impacts of climate change.'

Five Takeaways from the UN's Latest 3,000-Page Climate Report

We read it so you don't have to.

By Eric Roston, Bloomberg, Apr 4, 2022

[*https://www.bloomberg.com/news/articles/2022-04-04/five-takeaways-from-the-un-s-latest-3-000-page-climate-report*](https://www.bloomberg.com/news/articles/2022-04-04/five-takeaways-from-the-un-s-latest-3-000-page-climate-report)

1. 1.5C is almost out of reach

2. We know what to do and have the tools to do it

3. Carbon removal is 'unavoidable' to reach net zero

4. Behavior matters

5. Politics shapes the process

'It's now or never': World's top climate scientists issue ultimatum on critical temperature limit

By Sam Meredith, CNBC, Sustainable Future, Apr 4, 2022

[*https://www.cnbc.com/2022/04/04/****ipcc****-report-climate-scientists-issue-ultimatum-on-1point5-degrees-goal.html*](https://www.cnbc.com/2022/04/04/ipcc-report-climate-scientists-issue-ultimatum-on-1point5-degrees-goal.html)

Defending the Orthodoxy - Bandwagon Science

Americans are the Villains

By Donn Dears, Power For USA, Apr 8, 2022

Link to paper: Impacts of poverty alleviation on national and global carbon emissions

By Benedikt Bruckner, Klaus Hubacek, et al. Nature Sustainability, Feb 14. 2022

[*https://www.nature.com/articles/s41893-021-00842-z*](https://www.nature.com/articles/s41893-021-00842-z)

Wealthy nations responsible for 74 percent of ecological harm: study

By Zack Budryk, The Hill, Apr 8, 2022

Link to paper: National responsibility for ecological breakdown: a fair-shares assessment of resource use, 1970-2017

By Prof Jason Hickel, et al, The Lancet: Planetary Health,

[*https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(22)00044-4/fulltext*](https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(22)00044-4/fulltext)

[SEPP Comment: China is wealthy? How about Vietnam?]

Methane emissions break record for second consecutive year: NOAA

By Zack Budryk, The Hill, Apr 7, 20222

Link to report: Increase in atmospheric methane set another record during 2021

Carbon dioxide levels also record a big jump

By Staff, NOAA, Apr 7, 2022

[*https://www.noaa.gov/news-release/increase-in-atmospheric-methane-set-another-record-during-2021;*](https://www.noaa.gov/news-release/increase-in-atmospheric-methane-set-another-record-during-2021;)

Questioning the Orthodoxy

New evidence of climate model hot biases Part I

By John Robson, Climate Discussion Nexus, Apr 6, 2022

Heartland Institute Climate Experts React to Latest UN ***IPCC*** Report

Press Release, The Heartland Institute, Apr 7, 2022

[*https://www.heartland.org/news-opinion/news/press-release-heartland-institute-climate-experts-react-to-latest-un-****ipcc****-report?utm\_source=ActiveCampaign&utm\_medium=email&utm\_content=Heartland+Weekly%3A+Heartland+Climate+Experts+React+to+Latest+Alarmist+UN+****IPCC****+Report&utm\_campaign=HW+%2804-09-22%29&vgo\_ee=K3MjnNRCJr0oiS9v4U%2BHzw%3D%3D*](https://www.heartland.org/news-opinion/news/press-release-heartland-institute-climate-experts-react-to-latest-un-ipcc-report?utm_source=ActiveCampaign&utm_medium=email&utm_content=Heartland+Weekly%3A+Heartland+Climate+Experts+React+to+Latest+Alarmist+UN+IPCC+Report&utm_campaign=HW+%2804-09-22%29&vgo_ee=K3MjnNRCJr0oiS9v4U%2BHzw%3D%3D)

'#8216;The ***IPCC*** has been scandalously wrong regarding virtually all of their past predictions. There is no reason to believe this version will be any more accurate.''

What do you call a leader with no followers?

By John Robson, Climate Discussion Nexus, Apr 6, 2022

'Murphy provides his own concluding answer: 'We are not leaders in the fight against global climate change. We are stooges in a mock show of virtue signaling.''

What if reducing and eliminating fossil fuels is the biggest THREAT to our planet?

By Staff, Blaze TW, Apr 1, 2022 [H/t Bernie Kepshire]

[*https://www.theblaze.com/shows/you-are-here/what-if-reducing-and-eliminating-fossil-fuels-is-the-biggest-threat-to-our-planet?utm\_source=theblaze-7DayTrendingTest&utm\_medium=email&utm\_campaign=Afternoon%20Auto%20Trending%207%20Day%20Engaged%202022-04-02&utm\_term=ACTIVE%20LIST%20-%207%20Day%20Engagement*](https://www.theblaze.com/shows/you-are-here/what-if-reducing-and-eliminating-fossil-fuels-is-the-biggest-threat-to-our-planet?utm_source=theblaze-7DayTrendingTest&utm_medium=email&utm_campaign=Afternoon%20Auto%20Trending%207%20Day%20Engaged%202022-04-02&utm_term=ACTIVE%20LIST%20-%207%20Day%20Engagement)

The dread 1.5 degree target is dead

By David Wojick, CFACT, Apr 8, 2022

[*https://www.cfact.org/2022/04/08/the-dread-1-5-degree-target-is-dead/*](https://www.cfact.org/2022/04/08/the-dread-1-5-degree-target-is-dead/)

'Who's Talking Climate Change Now?': Arab States Respond to Global Demand for Energy Security

By Eric Worrall, WUWT, Apr 2, 2022

In praise of ineffectual government

By John Robson, Climate Discussion Nexus, Apr 6, 2022

'The end result is that these people have so little idea what they're doing in designing the plan that the only real consolation is that its execution will be in the hands of people who also have no idea what they're doing and will end up accomplishing little and pretending much.'

Here Comes Another Climate Deadline That Will Pass Without Notice

By I & I Editorial Board, Apr 6, 2022

'The media, which loves to breathlessly report the demise of the world caused by human carbon dioxide emissions, says the 1.5-degree limit 'is recognized as a crucial global target because beyond this level, so-called tipping points become more likely. These are thresholds at which small changes can lead to dramatic shifts in Earth's entire life support system.''

[SEPP Comment: If the ***IPCC*** were the head of European exploration in the 1400s, it would have banned the voyage of Columbus in fear the ships would reach a tipping point and sail of the edge of the earth.]

How Climatologists Forgot the Sun Was Shining: Your Questions Answered

By Christopher Monckton of Brenchley, WUWT, Apr 6, 2022

Chile's Economic Destruction is a Preview of what's in Store for Biden's America

By Jay Lehr and Tom Harris, Environment & Climate News, Mar 30, 2022

Deliberately Alarmist 'The Last Time CO2 Was This High' Claims Are Rooted In Guesswork, Not Science

By Kenneth Richard, No Tricks Zone, Apr 4, 2022

Link to latest study: Revised alkenone δ <sup >13 </sup >C based CO <sub >2 </sub > estimates during the Plio-Pleistocene

By Osamu Seki and James Bendle, a book, 2021

[*https://www.researchgate.net/publication/352490480\_Revised\_alkenone\_d13C\_based\_CO2\_estimates\_during\_the\_Plio-Pleistocene;*](https://www.researchgate.net/publication/352490480_Revised_alkenone_d13C_based_CO2_estimates_during_the_Plio-Pleistocene;)

Death By a Thousand Cuts Until Climate Scare Defeated

By Tom Harris, Real Clear Energy April 04, 2022

[*https://www.realclearenergy.org/articles/2022/04/04/death\_by\_a\_thousand\_cuts\_until\_climate\_scare\_defeated\_825259.html*](https://www.realclearenergy.org/articles/2022/04/04/death_by_a_thousand_cuts_until_climate_scare_defeated_825259.html)

Master Resource: New Principals Joining In

By Robert Bradley Jr., Master Resource, Apr 5, 2022

After Paris!

Time for a Sensible Sense of Congress Resolution on the Paris Agreement

By Marlo Lewis, Jr., CEI, Apr 8, 2022

[*https://cei.org/blog/time-for-a-sensible-sense-of-congress-resolution-on-the-paris-agreement/*](https://cei.org/blog/time-for-a-sensible-sense-of-congress-resolution-on-the-paris-agreement/)

[SEPP Comment: Is it not an agreement made by Obama to be ignored by future presidents just like Obama ignored the Clinton agreement to protect the sovereignty of Ukraine?]

Change in US Administrations

America Needs Proactive Energy Solutions, Not False Recriminations

By William Shughart II, Real Clear Energy, April 07, 2022

[*https://www.realclearenergy.org/articles/2022/04/07/america\_needs\_proactive\_energy\_solutions\_not\_false\_recriminations\_825953.html*](https://www.realclearenergy.org/articles/2022/04/07/america_needs_proactive_energy_solutions_not_false_recriminations_825953.html)

'The Biden administration created a bottleneck in the crude oil supply chain by canceling the Keystone XL pipeline that would have carried oil from fields in Canada and the Dakotas to refineries on the Gulf Coast. It's far too late in the current crisis for restarting that project to have any immediate effect. Nor will releasing 180 million barrels of crude oil from the Strategic Petroleum Reserve do much to lessen the pain caused by Biden's green energy policy agenda.'

Biden's Budget Contains More Anti-Oil Proposals

By Staff, Institute for Energy Research, Apr 1, 2022

Biden's plan to starve America of fossil fuels

By Paul Driessen, CFACT, Mar 27, 2022

[*https://www.cfact.org/2022/03/27/bidens-plan-to-starve-america-of-fossil-fuels/*](https://www.cfact.org/2022/03/27/bidens-plan-to-starve-america-of-fossil-fuels/)

A message to Biden: We need more oil, let companies produce more oil

The Biden administration could take a few lessons from peanut farming

By Andy Puzder FOX Business, Apr 6, 2022

[*https://www.foxbusiness.com/energy/biden-we-need-more-oil-let-companies-produce-more-oil*](https://www.foxbusiness.com/energy/biden-we-need-more-oil-let-companies-produce-more-oil)

Biden only has himself to blame for America's energy crisis

It's enough with the White House's gas-price gaslighting already

By Jessica Anderson, Washington Times, Apr 6, 2022

[*https://www.washingtontimes.com/news/2022/apr/6/biden-only-has-himself-to-blame-for-americas-energ/*](https://www.washingtontimes.com/news/2022/apr/6/biden-only-has-himself-to-blame-for-americas-energ/)

American energy policy digging economic grave for folks

By Vijay Jayaraj, BPR Business & Politics, Apr 6, 2022

[*https://www.bizpacreview.com/2022/04/06/american-energy-policy-digging-economic-grave-for-folks-1222205/;*](https://www.bizpacreview.com/2022/04/06/american-energy-policy-digging-economic-grave-for-folks-1222205/;)

'The U.S. Energy Information Agency estimates 38.2 billion barrels of crude oil and 473.3 trillion cubic feet of natural gas in U.S. reserves. This ranks U.S. in the global top 10 for crude oil reserves. The current administration apparently would rather make America economically weak, spiraling towards hyper-inflation, rather than use resources readily available in its own backyard.'

Social Benefits of Carbon Dioxide

The Many Benefits of Rising Atmospheric CO2 — An Introduction

By Craig D. Idso, Maser Resource, Apr 6, 2022

Human Flourishing Or 'Living Naturally': Alex Epstein's Case For Using More Oil, Coal And Natural Gas

Tilak Doshi, Forbes, Mar 31, 2022

[*https://www.forbes.com/sites/tilakdoshi/2022/03/31/human-flourishing-or-living-naturally-alex-epsteins-case-for-using-more-oil-coal-and-natural-gas/?sh=649e9d6f30f8*](https://www.forbes.com/sites/tilakdoshi/2022/03/31/human-flourishing-or-living-naturally-alex-epsteins-case-for-using-more-oil-coal-and-natural-gas/?sh=649e9d6f30f8)

Seeking a Common Ground

How the electricity market works

A Policy of Expanding the Use of Wind Power Will Increase Consumer Prices, Even If the Costs of Wind Are Lower

By Andrew Montford, Net Zero Watch, Apr 4, 2022

'There are three things you need to understand before we can get to the nitty gritty. Firstly, cost and price are different. Cost is what it takes you to make, buy or produce something. Price is what you sell it for.

'Secondly, electricity is a commodity. In other words, when people are selling it, they are all selling the same thing.

'Thirdly, everyone in the electricity market is a rapacious capitalist (just as they are in all markets).'

Why Wishful Liberal Thinking Led to Disasters in Ukraine, Homelessness, And Climate

The good news is that everything is changing — and fast

By Michael Shellenberger, His Blog, Apr 5, 2022

[*https://michaelshellenberger.substack.com/p/why-wishful-liberal-thinking-led?s=r*](https://michaelshellenberger.substack.com/p/why-wishful-liberal-thinking-led?s=r)

After Russia Freezes Europe - While Benny Peiser Tours Australia

By Jennifer Marohasy, Her Blog, Apr 6, 2022

'I did once get to have lunch with Nigel Lawson; that was in Sydney many years ago. We had a view of the Opera House and he confirmed for me that the theory of catastrophic human-caused global warming really was the brainchild of Margaret Thatcher. She detested coal miners and wanted that industry closed. She succeeded in the UK, and the idea was since gone global.'

Energy Affordability: The Issue Everyone Is Ignoring

By Irina Slav, Oil Price.com, Apr 4, 2022

[*https://oilprice.com/Energy/Energy-General/Energy-Affordability-The-Issue-Everyone-Is-Ignoring.html*](https://oilprice.com/Energy/Energy-General/Energy-Affordability-The-Issue-Everyone-Is-Ignoring.html)

Science, Policy, and Evidence

End U.S. Dependence on Mining in China

By Aaron Ringel, Real Clear Energy, April 05, 2022

[*https://www.realclearenergy.org/articles/2022/04/05/end\_us\_dependence\_on\_mining\_in\_china\_825505.html*](https://www.realclearenergy.org/articles/2022/04/05/end_us_dependence_on_mining_in_china_825505.html)

Models v. Observations

Estimates of the carbon cycle - vital to predicting climate change - are incorrect, Virginia Tech researchers show

The findings do not counter the established science of climate change but highlight how the accounting of the amount of carbon withdrawn by plants and returned by soil is not accurate.

Press Release, By Max Esterhuizen, Virginia Tech, Apr 1, 2022 [H/t WUWT]

[*https://vtx.vt.edu/articles/2022/03/cals-carbon-cycle.html;*](https://vtx.vt.edu/articles/2022/03/cals-carbon-cycle.html;)

Link to paper: Historically inconsistent productivity and respiration fluxes in the global terrestrial carbon cycle

By Jinshi Jian, et al. Nature Communications, Apr 1, 2022

[*https://www.nature.com/articles/s41467-022-29391-5*](https://www.nature.com/articles/s41467-022-29391-5)

New Study Finds Claims Of A Human-Induced Increase In Extreme Daily Rainfall Are Flawed And False

By Kenneth Richard, No Tricks Zone, Apr 7, 2022

Link to paper: Effect of Time-Resolution of Rainfall Data on Trend Estimation for Annual Maximum Depths with a Duration of 24 Hours

By Renato Morbidelli, et al. Water, Nov 17, 2022

[*https://www.mdpi.com/2073-4441/13/22/3264/htm*](https://www.mdpi.com/2073-4441/13/22/3264/htm)

Model Issues

A tool for predicting the future

By Adam Zewe for MIT News. Boston MA (SPX), Mar 30, 2022

[*https://www.spacedaily.com/reports/A\_tool\_for\_predicting\_the\_future\_999.html*](https://www.spacedaily.com/reports/A_tool_for_predicting_the_future_999.html)

Link to report: On Multivariate Singular Spectrum Analysis and its Variants

By Anis Agarwal, et al, Preprint

'Making predictions using time-series data typically requires several data-processing steps and the use of complex machine-learning algorithms, which have such a steep learning curve they aren't readily accessible to nonexperts.'

[SEPP Comment: Giving climate 'experts' another tool to claim their ignorance is knowledge?]

Measurement Issues — Surface

The new Pause lengthens - now7 years 6 months

By Christopher Monckton of Brenchley, WUWT, Apr 3, 2022

Measurement Issues — Atmosphere

UAH Global Temperature Update for March, 2022: +0.15

By Roy Spencer, His Blog, Apr 2, 2022

Changing Weather

Climate Change causes Frosts now: French Winegrowers lighting fires, candles to protect crops

By Jo Nova, Her Blog, Apr 6, 2022

A 'Spike' Heatwave on Thursday

By Cliff Mass, Weather Blog, Apr 6, 2022

[*https://cliffmass.blogspot.com/2022/04/a-spike-heatwave-on-thursday.html*](https://cliffmass.blogspot.com/2022/04/a-spike-heatwave-on-thursday.html)

1886: Most Active US Hurricane Year

By Tony Heller, His Blog, Apr 7, 2022

[*https://realclimatescience.com/2022/04/1886-most-active-us-hurricane-year/*](https://realclimatescience.com/2022/04/1886-most-active-us-hurricane-year/)

A Powerful Pacific Jet Stream, Heavy Precipitation of the Northwest, and Strong Trade Wind over Hawaii: It is All Connected.

By Cliff Mass, Weather Blog, Apr 2, 2022

[*https://cliffmass.blogspot.com/2022/04/a-powerful-pacific-jet-stream-heavy.html*](https://cliffmass.blogspot.com/2022/04/a-powerful-pacific-jet-stream-heavy.html)

'The Japan Airlines flight from Tokyo to Seattle did in in less than 8 hours yesterday!

'But the atmosphere is interconnected and there are implications of this flow pattern all over the north Pacific.'

1871 Hurricanes

By Tony Heller, His Blog, Apr 7, 2022

[*https://realclimatescience.com/2022/04/1871-hurricanes/*](https://realclimatescience.com/2022/04/1871-hurricanes/)

Changing Climate

The 100,000 Year Problem or lack thereof

By John Robson, Climate Discussion Nexus, Apr 6, 2022

Into the ice: A crab boat's quest for snow crab in a Bering Sea upended by climate change

Special report: Ocean warming has put at risk the historic Alaska crab fishery. After a dismal summer survey, state biologists slashed this year's harvest of snow crab by nearly 90% from 2021 levels.

By Hal Bernton, Seattle Times, Via Anchorage Daily News, Apr 3, 2022 [H/t Jim Buell]

[*https://www.adn.com/alaska-news/2022/04/03/into-the-ice-a-crab-boats-quest-for-snow-crab-in-a-bering-sea-upended-by-climate-change/*](https://www.adn.com/alaska-news/2022/04/03/into-the-ice-a-crab-boats-quest-for-snow-crab-in-a-bering-sea-upended-by-climate-change/)

'The 2018 Bering Sea ice cover was at the lowest point in 5,500 years, according to a study led by U.S. Geological Survey geologist Miriam Jones published in 2021 in Science Advances. In a feat of scientific sleuthing, Jones and her colleagues analyzed two oxygen isotopes contained in a peat bog core sample pulled that year from a remote island. They used this information to reconstruct the winter ice through the millennia.

'Jones said that the Bering Sea ice is sensitive to the release of carbon dioxide emissions by human activities, and that modeling indicates it could be lost entirely by 2070 or 2090, depending on how fast this pollution concentrates in the atmosphere.'

[SEPP Comment: According to the article, the crab fleet has shifted north because there are more crabs there. In brief, more sea ice leads to larger pools of cold water in the summer, which predators such as cod avoid. Less ice means more feasting on juvenile crab by cod. In the last couple of years sea ice has advanced in late winter, creating hazards for crabbers.]

Changing Seas

CDN by the sea: Monterey California

By John Robson, Climate Discussion Nexus, Apr 6, 2022

Changing Cryosphere - Land / Sea Ice

Sea ice average for March is the metric used to compare to previous winters

By Susan Crockford, Polar Bear Science, Apr 5, 2022

1922: 'Radical Change in Climatic Conditions In North'

By Tony Heller, His Blog, Apr 8, 2022

[*https://realclimatescience.com/2022/04/1922-radical-change-in-climatic-conditions-in-north/*](https://realclimatescience.com/2022/04/1922-radical-change-in-climatic-conditions-in-north/)

[SEPP Comment: Radical changes in the Arctic are not new!

Polar bear attempted to break down front door of house in Newfoundland with people inside

By Susan Crockford, Polar Bear Science, Apr 4, 2022

Agriculture Issues & Fear of Famine

Europe History Shows WARM Temperatures Led To Larger Grain Harvests, Lower Prices, Less Hunger

By P Gosselin, No Tricks Zone, Apr 5, 2022

Link to paper: The significance of climate variability on early modern European grain prices

By Fredrik Charpentier Ljungqvist, et al, Cliometrica, Mar 21, 2021

[*https://link.springer.com/article/10.1007/s11698-021-00224-7*](https://link.springer.com/article/10.1007/s11698-021-00224-7)

[SEPP Comment: Herschel's 1801 hypothesis is questioned. 'An anti-correlation between sunspot numbers and wheat prices was originally proposed by Herschel (1801): for the period 1646-1755, he identified five periods with low sunspot numbers and higher wheat prices and five periods with high sunspot numbers and lower wheat prices. This led Herschel (1801) to conclude that fewer sunspots resulted in poorer climate conditions for wheat and therefore triggered higher prices.']

Ukraine War Exposes Folly Of Anti-GMO Protectionism

By Cameron English, ACSH, Mar 22, 2022

[*https://www.acsh.org/news/2022/03/22/ukraine-war-exposes-folly-anti-gmo-protectionism-16199*](https://www.acsh.org/news/2022/03/22/ukraine-war-exposes-folly-anti-gmo-protectionism-16199)

[SEPP Comment: The purchases of wheat from Russia and Ukraine by the United Nations' World Food Program (WFP) are concerning.]

Lowering Standards

Long lost forgotten rain bombs — the BoM yells 'unprecedented' while ignoring 120 years of history

If Climate Change was a real threat, the Bureau of Meteorology might even look at their own historic records.

By Jo Nova, Her Blog, Apr 4, 2022

The Salt Lake Tribune Botches Medical and Climate Science in a Single Article

By Anthony Watts, Climate Realism, Apr 4, 2022

Communicating Better to the Public - Exaggerate, or be Vague?

NASA [GISS] researcher finding ways to turn down the heat in cities

By Jordan Hickey and Jessica Evans for GSFC News, Greenbelt MD (SPX) Mar 29, 2022

[*https://www.spacedaily.com/reports/NASA\_researcher\_finding\_ways\_to\_turn\_down\_the\_heat\_in\_cities\_999.html*](https://www.spacedaily.com/reports/NASA_researcher_finding_ways_to_turn_down_the_heat_in_cities_999.html)

'The GISS team studied three sites in Chicago to see how green roofs affected surface temperatures around those buildings, and whether there was a difference between those sites and others nearby without green roofs.'

Communicating Better to the Public - Make things up.

99 percent of people worldwide breathe air that doesn't meet WHO standard

By Rachel Frazin, The Hill, Apr 4, 2022

Press Release: Billions of people still breathe unhealthy air: new WHO data

Over 6000 cities now monitor air quality

By Staff, Press Release, Apr 4, 2022

[*https://www.who.int/news/item/04-04-2022-billions-of-people-still-breathe-unhealthy-air-new-who-data;*](https://www.who.int/news/item/04-04-2022-billions-of-people-still-breathe-unhealthy-air-new-who-data;)

The Report: Air quality database

By Staff, WHO, Apr 2022

[*https://www.who.int/data/gho/data/themes/air-pollution/who-air-quality-database*](https://www.who.int/data/gho/data/themes/air-pollution/who-air-quality-database)

[SEPP Comment: Humans will live for infinity if not for air pollution?]

Claim: Global team of scientists determine 'fingerprint' for how much heat, drought is too much for forests

Press Release, Via WUWT, Apr 5, 2022

Link to paper: Global field observations of tree die-off reveal hotter-drought fingerprint for Earth's forests

By William M. Hammond, et al., Nature Communications, Apr 5, 2022

[*https://www.nature.com/articles/s41467-022-29289-2*](https://www.nature.com/articles/s41467-022-29289-2)

Abstract begins: 'Earth's forests face grave challenges in the Anthropocene, including hotter droughts increasingly associated with widespread forest die-off events. But despite the vital importance of forests to global ecosystem services, their fates in a warming world remain highly uncertain.'

[SEPP Comment: Imagine what the earth's forests 'faced' as the last Ice Age glaciation declined 18,000 years ago!]

Claim: 'Flash droughts' coming on faster, global study shows

Press Release, University of Texas at Austin, Apr 1, 2022 [H/t WUWT]

[*https://www.eurekalert.org/news-releases/948524*](https://www.eurekalert.org/news-releases/948524)

Link to paper: Accelerating flash droughts induced by the joint influence of soil moisture depletion and atmospheric aridity

By Yamin Qing, et al. Nature Communications, Mar 2, 2022

[*https://www.nature.com/articles/s41467-022-28752-4*](https://www.nature.com/articles/s41467-022-28752-4)

Mark Svoboda, the director of the National Drought Mitigation Center and originator of the term 'flash drought,' said the advancement in drought-detecting technology and modeling tools — such as those used in this study — has led to growing awareness of the influence and impact of flash droughts. He said the next big step is translating this knowledge into on-the-ground planning.

[SEPP Comment: Now a dry summer is a 'flash drought?' Is this an April Fools joke?]

Communicating Better to the Public - Do a Poll?

Brits support an end to fracking ban

By Staff, Net Zero Watch, Apr 6, 2022

From the archives - Pew Research Findings of what real scientists believed

By Kenneth Richard, No Tricks Zone 2016, ICECAP, Apr 4, 2022

[*http://icecap.us/index.php/go/new-and-cool/from\_the\_archives\_pew\_research\_findings\_of\_what\_real\_scientists\_believed2/*](http://icecap.us/index.php/go/new-and-cool/from_the_archives_pew_research_findings_of_what_real_scientists_believed2/)[15]

'To put it non-delicately, the claim that 'almost all' scientists (i.e., 97%) believe that most changes in the climate system are caused by humans is bunk.

'And most Americans already knew that.'

Communicating Better to the Public - Use Propaganda

Weaponized Claims of Disinformation

By Ron Clutz, Science Matters, Apr 8, 2022

Abundant cheap scarce expensive energy

By John Robson, Climate Discussion Nexus, Apr 6, 2022

' Especially since the planned release is just 5% of American consumption and 1% of world consumption. Big enough to cause panic at the ataxic nature of policy development, but far too small to calm fears about the underlying problem.'

Can Australian Green Hydrogen Replace Russian Gas?

By Paul Homewood, Not a Lot of People Know That, Apr 5, 2022

[SEPP Comment: Lots of subsidies needed to do little?]

What Would Happen if They Threw a War and it Upset Europe's Climate Plans?

By David Middleton, WUWT, Apr 7, 2022

[SEPP Comment: NPR has no idea how Washington is derailing LNG exports.]

Communicating Better to the Public - Use Propaganda on Children

How the UK Combats Activism in the Classroom

By Tony Thomas, Quadrant, Apr 7, 2022

Communicating Better to the Public - Protest

EU targets Russian coal in fresh package of sanctions

By Sharon Udasin, The Hill, Apr 5, 2022

Shell says pulling out of Russia has already cost it $5 billion

By Staff, AP, Apr 7, 2022

Coal Trains and Climate Protest: It's Spring in New England

What connects anti-war demonstrations in Russia with climate activists in the US? An opposition to fossil capital.

By Wen Stephenson, The Nation, Mar 30, 2022

[*https://www.thenation.com/article/activism/bow-coal-train-protest/*](https://www.thenation.com/article/activism/bow-coal-train-protest/)

Expanding the Orthodoxy

Benefits And Costs Of The SEC's Proposed Climate-Related Disclosures For Investors

By Ed Hirs, Forbes, Apr 4, 2022

[*https://www.forbes.com/sites/edhirs/2022/04/04/benefits-and-costs-of-the-secs-proposed-climate-related-disclosures-for-investors/?sh=60d40f6622d5*](https://www.forbes.com/sites/edhirs/2022/04/04/benefits-and-costs-of-the-secs-proposed-climate-related-disclosures-for-investors/?sh=60d40f6622d5)

'The most glaring concern is that the commission is unable to quantify the benefits for society, while conceding that the costs to companies in terms of compliance and more accurately measuring emissions, as well as to the SEC itself, will be in the millions.'

'Noticeably absent from the cost studies is any study broaching an estimate of what economy-wide, mandatory climate disclosures may reasonably cost in practice. Without that, the proposal is indefensible.'

[SEPP Comment: Another regulation of little value designed to assure employment of lawyers.]

Climate Police Occupy Wall Street

By Marlo Lewis, Jr., CEI, Mar 24, 2022

[*https://cei.org/blog/climate-police-occupy-wall-street/*](https://cei.org/blog/climate-police-occupy-wall-street/)

Energy transition disruption might bite the SEC

By David Wojick, CFACT, Apr 2, 2022

[*https://www.cfact.org/2022/04/02/energy-transition-disruption-might-bite-the-sec/*](https://www.cfact.org/2022/04/02/energy-transition-disruption-might-bite-the-sec/)

Republican senators press Biden's SEC to withdraw proposed climate disclosure rule

New rule would require publicly traded companies to produce reports on climate risks

By Anders Hagstrom, FOX Business, Apr 5, 2022

[*https://www.foxbusiness.com/politics/republican-senators-sec-biden-climate-rule*](https://www.foxbusiness.com/politics/republican-senators-sec-biden-climate-rule)

Questioning European Green

Dark Winter: Green EU States Activating Emergency Fuel Rationing Plans

By Eric Worrall, WUWT, Apr 3, 2022

Questioning Green Elsewhere

If we want more renewables, we're going to need a lot more mining first

By Sen. John Barrasso, Washington Examiner, Apr 4, 2022

[*https://www.washingtonexaminer.com/opinion/op-eds/if-we-want-more-renewables-were-going-to-need-a-lot-more-mining-first*](https://www.washingtonexaminer.com/opinion/op-eds/if-we-want-more-renewables-were-going-to-need-a-lot-more-mining-first)

'Russia's invasion of Ukraine should teach us we can't go back to paying our adversaries for resources we can produce here. The president needs to stop sleepwalking and wake up to the fact that our energy future needs to be made in the U.S.'

China Continues to Laugh at Western 'Green Energy' Foolishness

By Francis Menton, Manhattan Contrarian, Apr 2, 2022

[*https://www.manhattancontrarian.com/blog/2022-4-2-china-continues-to-laugh-at-western-green-energy-foolishness*](https://www.manhattancontrarian.com/blog/2022-4-2-china-continues-to-laugh-at-western-green-energy-foolishness)

Column: The federal climate plan - far out of touch with the world, with First Nations, with its regions, and the feds just don't care

By Terry Etam, BOE Report (Canada), Apr 7, 2022 [H/t WUWT]

'So: I would evaluate Trudeau's climate plan thusly: 'Yes world, we hear you, you need more hydrocarbons, and we will help but only for a few months. Our stated goal is to discourage all investment in those fuels you are so desperately in need of. We aren't interested in First Nations ideas if they run counter to our federal ideology, but don't call that colonization because we don't like it when you do that.'

Conflict in Ukraine Used to Push Green Agenda

By Charles Rotter, WUWT, Apr 3, 2022

Video interview of Marc Morano

A plan to plan for a plan

By John Robson, Climate Discussion Nexus, Apr 6, 2022

'After much fancy talk the Canadian government finally unveiled a real plan to combat climate change. Or so they'd have you think and appear to think themselves. They and the press can't get enough of the phrase 'an ambitious and achievable roadmap' which the PM tweeted and the Environment Minister obsequiously retweeted, and which suggests sober balance between high ideals and down-to-earth practicality.'

Democrats' Approach to Rising Gas Prices Reveals Their Economic Illiteracy

By Kat Dwyer, Real Clear Energy, April 07, 2022

[*https://www.realclearenergy.org/articles/2022/04/07/democrats\_approach\_to\_rising\_gas\_prices\_reveals\_their\_economic\_illiteracy\_825805.html*](https://www.realclearenergy.org/articles/2022/04/07/democrats_approach_to_rising_gas_prices_reveals_their_economic_illiteracy_825805.html)

'Inflation is hitting voters where it hurts the most, forcing policymakers to pay attention—and revealing the economic illiteracy of the Left.'

The Political Games Continue

Democrat presses EPA administrator on climate rule pace: 'How long do you think you have?'

By Rachel Frazin, The Hill, Apr 6, 2022

''The problem is that in an emergency, effort doesn't count, results count,' [Sen] Whitehouse shot back.

Oil Industry Executives Smack Down House Democrats in Congressional Hearing

By David Middleton, WUWT, Apr 6, 2022

Lawmakers press oil CEOs on high gas prices

By Zack Budryk, The Hill, Apr 6, 2022

'Democratic lawmakers introduced a bill last week that would tax the industry's windfall profits,'

[SEPP Comment: Will they compensate big oil for losses from pulling investments in Russia?]

Labour Lose The Plot! [UK]

By Paul Homewood, Not a Lot of People Know That, Apr 3, 2022

[SEPP Comment: April 3, 2022, secondary headline: 'Labour Says Prepare to Ration Gas'

Rep. Bill Johnson Asks Oil CEOs to Stop Apologizing and Be Proud of Producing Energy

By Myron Ebell, CEI, Apr 7, 2022

[*https://cei.org/blog/rep-bill-johnson-asks-oil-ceos-to-stop-apologizing-and-be-proud-of-producing-energy/*](https://cei.org/blog/rep-bill-johnson-asks-oil-ceos-to-stop-apologizing-and-be-proud-of-producing-energy/)

Litigation Issues

Major Wind Power Producer Sentenced in Wind Farm Eagle Deaths

By Sonal Patel, Power Mag, Apr 7, 2022

'ESI also acknowledged 'that at least 150 bald and golden eagles have died in total since 2012, across 50 of its 154 wind energy facilities,' the DOJ said. At least 136 of those deaths 'have been affirmatively determined to be attributable to the eagle being struck by a wind turbine blade,' it said.'

Pennsylvania GOP leader promises to take RGGI to court

By Bridget Reed Morawski, Energy News Network, Apr 5, 2022

'New Jersey was once one of the best places to do business in the solar industry; ???'

Subsidies and Mandates Forever

It's not too late to stave off the climate crisis, U.N. report finds. Here's how

By Lauren Sommer, NPR, Apr 4, 2022

[*https://www.npr.org/2022/04/04/1090577162/climate-change-un-****ipcc****-report*](https://www.npr.org/2022/04/04/1090577162/climate-change-un-ipcc-report)

'Changing the way humans work, live and eat in cities and buildings can have a major impact on reducing emissions, as much as 40 to 70 percent in some of those sectors, the report finds.'

Windfall Profits For ROC Generators Running At 1 Billion A Month

By Paul Homewood, Not a Lot of People Know That, Apr 5, 2022

'Under the Renewable Obligation scheme, renewable generators are subsidised by ROC's. Last year , the total subsidy was worth over 6 billion, all of which is added to our energy bills.

'On top of this subsidy, of course, generators also receive an income from electricity sales.

'Virtually all of our onshore wind generation, about 95%, is subsidised via Renewable Obligation Certificates, ROCs. Something like two thirds of offshore wind and half of solar output is also covered.

'BEIS have now published the generation data for all ROC schemes for last November, as per the table below' [Not shown}

[SEPP Comment: When it comes to costs and prices of wind and solar, rely on audited books, not what politicians and promoters say.]

EPA and other Regulators on the March

EPA proposes ban on common type of asbestos

By Rachel; Frazin. The Hill, Apr 5, 2022

'The Environmental Protection Agency (EPA) on Tuesday proposed a major step to limit exposure to asbestos, a carcinogen that kills 40,000 Americans each year.'

[SEPP Comment: With no physical evidence, the EPA assumes that the asbestos mined in North America (chrysotile) kills people. Other types of asbestos with totally different physicals properties (crocidolite) are harmful. The failure of the EPA to distinguish between these two different minerals is an example of EPA's ignorance of science.]

EPA denies requests for biofuel blending exemptions

By Rachel Frazin, The Hill, Apr 7, 2022

Energy Issues - Non-US

Government accused of being in denial of energy cost crisis

Net Zero Watch has branded the government's energy security strategy an exercise in magical thinking and accused Boris Johnson of being in denial of the severity of the energy cost crisis.

Press Release, Net Zero Watch, Apr 7, 2022

HOT AIR Boris' energy strategy and obsession with wind power is a load of hot air - fracking and nuclear are what we need

By John Constable, The Sun, Apr 7, 2022 [H/t Paul Homewood]

[*https://www.thesun.co.uk/news/18202425/boris-energy-strategy-fracking-nuclear/;*](https://www.thesun.co.uk/news/18202425/boris-energy-strategy-fracking-nuclear/;)

Energy Issues - Australia

Guest post by Rafe Champion. Be a wind watcher and get savvy about wind droughts

By Rafe Champion, Jo Nova's Blog, Apr 4, 2022

Link to: 20.2 Four Icebergs in the Path of Renewables Titanic

By Staff, Rite-On, Accessed Apr 8, 2022

'Supply-and-Demand Widget'

Supported by RenewEconomy, Accerssed Apr 8, 2022

Energy Issues — US

The Greatest Energy Mistake Ever Made

By David Holt, Real Clear Energy, April 07, 2022

[*https://www.realclearenergy.org/articles/2022/04/07/the\_greatest\_energy\_mistake\_ever\_made\_825524.html*](https://www.realclearenergy.org/articles/2022/04/07/the_greatest_energy_mistake_ever_made_825524.html)

EIA explores effects of not building future interstate natural gas pipelines

By Stephen York et al., EIA, Apr 4, 2022

[*https://www.eia.gov/todayinenergy/detail.php?id=51898&src=email*](https://www.eia.gov/todayinenergy/detail.php?id=51898&src=email)

[SEPP Comment: Does not consider that wind and solar fail to generate reliable electricity.]

AG Expert: Wind Project Unneeded, Accounting Off

By Steve Haner, Bacons Rebellion, (VA) Apr 4, 2022

New Yorkers to get gas tax holiday

By Sharon Udasin, The Hill, Apr 8, 2022

'The gas tax suspension — equivalent to about 16 cents per gallon — will result in a total of about $585 million in relief for families and businesses across New York, according to [Gov.] Hochul.'

[SEPP Comment: Saving her job?]

Wolf administration climate rule survives veto override attempt in Pa. Legislature

By Laura Legere, Pittsburgh Post-Gazette, Apr 5, 2022

[*https://www.post-gazette.com/business/powersource/2022/04/04/wolf-climate-carbon-power-plant-rule-survives-veto-attempt-in-pennsylvania-senate-rggi/stories/202204040109*](https://www.post-gazette.com/business/powersource/2022/04/04/wolf-climate-carbon-power-plant-rule-survives-veto-attempt-in-pennsylvania-senate-rggi/stories/202204040109)

'The Wolf administration's plan to begin requiring coal and natural gas power plants to pay for their greenhouse gas emissions cleared a major hurdle on Monday when the Senate fell short in its attempt to block the rule from taking effect.'

'The vote came on the same day as a major report from the United Nations' Intergovernmental Panel on Climate Change, which found that 'without immediate and deep emissions reductions across all sectors,' the international goal of limiting global warming to 1.5 degrees Celsius will be 'beyond reach.''

Washington's Control of Energy

How Biden's Huge Strategic Oil Release Could Backfire

By Irina Slav, Oil Price.com, Apr 3, 2022

[*https://oilprice.com/Energy/Crude-Oil/How-Bidens-Huge-Strategic-Oil-Release-Could-Backfire.html*](https://oilprice.com/Energy/Crude-Oil/How-Bidens-Huge-Strategic-Oil-Release-Could-Backfire.html)

'According to the IEA, the shortfall could be 3 million barrels daily, to be felt this quarter. OPEC+ is not straying from its course. In some good news, at least, U.S. oil production rose last week for the first time in more than two months, by a modest 100,000 bpd.'

Biden boasts big gulp from Strategic Petroleum Reserve will lower gasoline prices

By Jeff Mordock and Ramsey Touchberry, The Washington Times, March 31, 2022

[*https://www.washingtontimes.com/news/2022/mar/31/biden-boasts-big-gulp-strategic-petroleum-reserve-/*](https://www.washingtontimes.com/news/2022/mar/31/biden-boasts-big-gulp-strategic-petroleum-reserve-/)

Stalled Progress on 5-Year Offshore Oil Leasing Program Threatens U.S. Energy Security

By Frank J. Macchiarola, Real Clear Energy, April 03, 2022

[*https://www.realclearenergy.org/articles/2022/04/03/stalled\_progress\_on\_5-year\_offshore\_oil\_leasing\_program\_threatens\_us\_energy\_security\_824951.html*](https://www.realclearenergy.org/articles/2022/04/03/stalled_progress_on_5-year_offshore_oil_leasing_program_threatens_us_energy_security_824951.html)

Invoking Defense Production Act Won't Unleash Domestic Mining

By Ben Lieberman, CEI, Mar 31, 2022

[*https://cei.org/blog/invoking-defense-production-act-wont-unleash-domestic-mining/*](https://cei.org/blog/invoking-defense-production-act-wont-unleash-domestic-mining/)

Oil and Natural Gas - the Future or the Past?

Did You Know? US Oil & Gas Drilling Up 60% This Year

By David Middleton, WUWT, Apr 5, 2022

Exxon expects a profit boom thanks to high oil prices. But exiting Russia will come at a cost

By Matt Egan, CNN Business, Apr 4, 2022

[*https://www.cnn.com/2022/04/04/energy/exxon-profit-boom-russia-loss/index.html*](https://www.cnn.com/2022/04/04/energy/exxon-profit-boom-russia-loss/index.html)

Natural Gas for Africa: Ready, Set, Go!

By Robert Bradley Jr., Master Resource, Apr 7, 2022

Oil production in Iran reaches pre-sanction levels

By Staff, AFP, Daily Sabah, Apr 4, 2022

[*https://www.dailysabah.com/business/energy/oil-production-in-iran-reaches-pre-sanction-levels*](https://www.dailysabah.com/business/energy/oil-production-in-iran-reaches-pre-sanction-levels)

U.S. liquefied natural gas exports rise 16%, to new record

By Marcy de Luna, Reuters, Apr 1, 2022

[*https://www.reuters.com/business/energy/us-liquefied-natural-gas-exports-rise-16-new-record-2022-04-01/*](https://www.reuters.com/business/energy/us-liquefied-natural-gas-exports-rise-16-new-record-2022-04-01/)

Return of King Coal?

Homer City Coal Plant to Keep All Three Units Operating

By Aaron Larson, Power Mag, Apr 6, 2022

Nuclear Energy and Fears

Govt's New Energy Strategy

By Paul Homewood, Not a Lot of People Know That, Apr 8, 2022

Japan flips on nuclear — it tried to go Green without it but now wants to reopen closed plants

By Jo Nova, Her Blog, Apr 2, 2022

India To Build Nuclear Power Plants In 'Fleet Mode' From 2023

In 2017, the[Department of Atomic Energy] for the first time, approved building 10 nuclear power reactors in one go with an aim to reduce costs and speed up construction time.

By Staff, Press Trust of India, Mar 27, 2022 [H/t Eduard Harinck]

[*https://www.ndtv.com/india-news/beginning-2023-india-to-start-building-nuclear-power-plants-in-fleet-mode-2845650?fbclid=IwAR1vdRNuKqwZlP-khwLinyVygkY9M\_Iq75WwxQ56S0WhJUZLCkhKHGjoJaU*](https://www.ndtv.com/india-news/beginning-2023-india-to-start-building-nuclear-power-plants-in-fleet-mode-2845650?fbclid=IwAR1vdRNuKqwZlP-khwLinyVygkY9M_Iq75WwxQ56S0WhJUZLCkhKHGjoJaU)

Alternative, Green ('Clean') Solar and Wind

Why Renewables Can't Solve Europe's Energy Crisis

By Irina Slav, Oil Price.com, Apr 4, 2022

[*https://oilprice.com/Energy/Energy-General/Why-Renewables-Cant-Solve-Europes-Energy-Crisis.html*](https://oilprice.com/Energy/Energy-General/Why-Renewables-Cant-Solve-Europes-Energy-Crisis.html)

'It seems, then, that the reality of energy supply and consumption is reasserting itself as the EU finds itself in a gas pickle. If its plan involves so much more consumption of fossil fuels, then fossil fuels must be easier - and quicker - to come by and, just maybe, cheaper, than wind and solar. Otherwise, why pick them over renewables?'

It'd be fine if we could put electricity in shoe boxes. (Wind power is 98% unreliable)

By Jo Nova, Her Blog, Apr 3, 2022

'The monthly average generation is about 30% of capacity. But the world doesn't run on average electricity.'

Wind Turbines Out West Part II

By Kevin Kilty, WUWT, Apr 3, 2022

Biden administration announces $500M for energy efficiency in public schools

By Zack Budryk, The Hill, Apr 4, 2022

'Vice President Harris is set to announce the initiative Monday afternoon at Neville Thomas Elementary School in Washington, D.C., which installed solar panels in 2016 that now comprise 10 percent of its energy usage.'

[SEPP Comment: Forget night school?]

Data insight: The 2030 European wind gap

The EU is set for 360GW of wind power by 2030 - which is about 20% below what is required for it to meet its 2030 climate targets.

By Nick Ferris, Energy Monitor, Apr 6, 2022

[SEPP Comment: Assuming 'pixie dust' storage works.]

Alternative, Green ('Clean') Energy — Other

Royal Society-Role Of Hydrogen

By Paul Homewood, Not a Lot of People Know That, Apr 8, 2022

'Projections of falling costs are not creditable, given that all the evidence suggests that offshore wind costs are much higher than assumed, and that solar panel costs are likely to head up and not down, as consequences of higher energy costs and raw material shortages.

'$3.00 to $6.60/kg equates to about 75.00 to 165.00/MWh. A large range of uncertainty, but even at the bottom end is five times the historic cost of natural gas.'

Alternative, Green ('Clean') Energy — Storage

Report On The Status Of The U.S. Energy Storage Project

By Francis Menton, Manhattan Contrarian, Apr 7, 2022

[*https://www.manhattancontrarian.com/blog/2022-4-7-report-on-the-status-of-the-us-energy-storage-project*](https://www.manhattancontrarian.com/blog/2022-4-7-report-on-the-status-of-the-us-energy-storage-project)

[SEPP Comment: Menton explains why its foolish to believe grand announcements regarding storage of wind and solar electricity generation.]

How the war in Ukraine could speed up Europe's climate plans

By Laura Benshoff, NPR, April 5, 2022

[*https://www.npr.org/2022/04/05/1090955568/the-climate-cost-of-the-war-in-ukraine*](https://www.npr.org/2022/04/05/1090955568/the-climate-cost-of-the-war-in-ukraine)

'The latest report from the Intergovernmental Panel on Climate Change (***IPCC***) calls for an immediate switch to renewable energy and says the world will need to capture carbon from the atmosphere to stay within 1.5 degrees Celsius of warming.'

[SEPP Comment: Exposing the absurdity of UN ***IPCC*** thinking?]

SDG&E Adds More Energy Storage to CAISO Grid

By Darrell Proctor, Power Mag, Mar 30, 2020

'San Diego Gas & Electric (SDG&E) has completed a second energy storage project in its home city, a 20-MW/80-MWh facility located in Kearny Mesa.'

[SEPP Comment: No statement of how much this peanut storage costs!]

Alternative, Green ('Clean') Vehicles

More than half of all new UK cars to be electric by 2028 in bid to ditch petrol and diesel

By Paul Homewood, Not a Lot of People Know That, Apr 8, 2022

'This whole business is an example of how we are all gradually losing our freedom of choice.

Other News that May Be of Interest

Vladimir Putin, You Have My Deepest Gratitude

By Michael Galak, Quadrant, Apr 9, 2022

BELOW THE BOTTOM LINE

Just Stop Oil Protestors

By Paul Homewood, Not a Lot of People Know That, Apr 2, 2022

'It is incredibly sad how paranoid ostensibly sensible people have been made by the climate charlatans.

'This poor woman totally loses the plot around 3 minutes in:'

Unvaxxed Australians can't leave the country because of a WHO treaty: 'We're protecting the world'

By Jo Nova, Her Blog, Apr 8, 2022

Tribulations of a Climate Activist: Farhana Yamin in Search and Dissent

By Robert Bradley Jr., Master Resource, Apr 8, 2022

What AI Can Do for Climate Change, and What Climate Change Can Do for AI

To tackle the climate crisis, artificial intelligence is becoming more open and democratic

By Wai Chee Dimock, Scientific American, April 5, 2022

[*https://www.scientificamerican.com/article/what-ai-can-do-for-climate-change-and-what-climate-change-can-do-for-ai/*](https://www.scientificamerican.com/article/what-ai-can-do-for-climate-change-and-what-climate-change-can-do-for-ai/)

Worried About Climate Change? Come Borrow Some Money!

By Paul Homewood, Not a Lot of People Know That, Apr 4, 2022

Zeppelin Back To Life? Start-Up 'H2 Clipper' Green Dirigible Boasts 170-Ton Payload, 7500 M3 Cargo Space

Green hydrogen powered dirigible could revolutionize long haul cargo transport worldwide.

By P Gosselin, No Tricks Zone, Apr 2, 2022

[SEPP Comment: Green hydrogen will not burn or explode?]

ARTICLES

1. Climate-Change 'Solutions' That Are Worse Than the Problem

The political assault on fossil fuels comes at the expense of the poor, peace, and the environment.

By Jason De Sena Trennert, WSJ, April 6, 2022

[*https://www.wsj.com/articles/climate-change-life-expectancy-carbon-netural-oil-coal-fossil-fuels-ukraine-war-russia-china-fossil-fuels-carbon-emissions-mining-pollution-electric-car-vehicle-11649258860?mod=hp\_opin\_pos\_5*](https://www.wsj.com/articles/climate-change-life-expectancy-carbon-netural-oil-coal-fossil-fuels-ukraine-war-russia-china-fossil-fuels-carbon-emissions-mining-pollution-electric-car-vehicle-11649258860?mod=hp_opin_pos_5)

TWTW Summary: The CEO of Strategas, an investment-strategy, economic, and policy research firm writes:

'If you can afford a Tesla, you probably find it hard to imagine that there are some 3.5 billion people on Earth who have no reasonably reliable access to electricity. Even less obvious may be the way rich countries' pursuit of carbon neutrality at almost any cost limits economic opportunities for the world's poor and poses serious geopolitical risks to the West.'

After Discussing other issues, the author continues:

'Anyone on an investment committee has likely spent untold amounts of time discussing ways to mitigate the impact of climate change, but they've likely never heard anyone state one simple and incontrovertible fact: The widespread exploration and production of fossil fuels that started in Titusville, Pa., not quite 170 years ago, has done more to benefit the lives of ordinary people than any other technological advance in history.

'Before fossil fuels, people relied on burning biomass, such as timber or manure, which was a far dirtier and much less efficient source of energy. Fossil fuels let people heat their homes in the winter, reducing the risk of death from exposure. Fossil-fuel-based fertilizers greatly increased crop yields, reducing starvation and malnutrition. Before the advent of the automobile, the ability for many people to venture far from their hometown was an unfathomable dream. Oil- and coal-burning transportation opened up access to education, commerce, professional opportunities, and vital services such as medicine. There has been, and remains, a strong correlation between the use of fossil fuels and life expectancy.

'Limiting the availability of fossil fuels in the name of climate activism would cut off many of the world's poor from these benefits. Climate activists worry about a potential 'existential crisis' decades down the road, but poor people, really poor people, face an existential crisis every day. Even for those who aren't among humanity's most unfortunate, rising energy prices force serious economic trade-offs. Purposely eschewing America and Europe's own natural resources increases costs to consumers, raises the cost of doing business, and limits economic growth. Viewed with this in mind, the debate over emissions seems like an upper-class problem.

'If Chinese belligerence and increasing authoritarianism over the past two years have taught us anything, it is that no amount of trade and international cooperation will instill what are generally considered to be Western values in other civilizations who have no real desire to adopt them. Trusting China to do anything other than what is directly in its own best interests, especially when it comes to the trade-offs between economic development and climate issues, would seem to be in direct conflict with history and common sense—and it poses serious geopolitical risks to the international democratic order. The war in Ukraine has emphasized how leaving European and American fossil fuels in the ground can put the West at the will of dictators, increasing the risk of atrocities, war or even the use of weapons of mass destruction. An easing of regulations on drilling in the U.S. and easier regulations on liquefied natural gas exports to flood the global market with oil and natural gas would do far more than any sanctions to stop Vladimir Putin's barbarism.

'The climate-change solutions the West is pursuing also pose a danger to the environment. The lodestar of the environmental movement today appears to be electric vehicles. One would be hard-pressed to find a product more dependent on resources from extractive materials. An electric car requires almost four times as much copper as an automobile powered by an internal combustion engine. The widely accepted goal of having 30% of the world's vehicle sales be electric by 2030 would require enormous investments in mining industries that are decidedly not eco-friendly.

'And whatever emission cuts America and Europe manage to make by forcing electric vehicles and other inefficient technology on consumers will be negated by emissions from other nations. Regimes like Russia and China won't put aside their geopolitical ambitions for climate activism; developing countries like India won't sacrifice economic development and their peoples' well-being in the hope it'll slow global warming.

'Sadly, environmentalism has grown into a secular religion in which reasonable debate is regarded as heresy. But if politicians and voters can approach climate change with an open mind, they'll see that economic growth is likely to solve the issue without heavy-handed government intervention. History has shown that free markets produce incredible leaps in human ingenuity. The greater access the world has to all sorts of energy sources, the faster humanity will discover new technologies that are more environmentally friendly. Rationing fossil fuels would only retard the process of decreasing carbon emissions and cost lives in the process.'

Article Rating

[ 1]: [*http://www.SEPP.org*](http://www.SEPP.org)/ [ 2]: [*https://www.****ipcc****.ch/working-group/wg3/*](https://www.ipcc.ch/working-group/wg3/) [ 3]: [*https://wvanwijngaarden.info.yorku.ca/files/2021/03/WPotency.pdf?x45936*](https://wvanwijngaarden.info.yorku.ca/files/2021/03/WPotency.pdf?x45936) [ 4]: [*http://www.sepp.org/science\_papers.cfm*](http://www.sepp.org/science_papers.cfm) [ 5]: [*http://www.sepp.org/science\_papers.cfm*](http://www.sepp.org/science_papers.cfm) [ 6]: [*https://www.heartland.org/\_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf*](https://www.heartland.org/_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf) [ 7]: [*http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts*](http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts)/ [ 8]: [*https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf*](https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf) [ 9]: [*http://store.heartland.org/shop/ccr-ii-fossil-fuels/*](http://store.heartland.org/shop/ccr-ii-fossil-fuels/) [ 10]: [*http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf*](http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf) [ 11]: [*http://climatechangereconsidered.org*](http://climatechangereconsidered.org)/ [ 12]: [*http://www.sepp.org/publications/nipcc\_final.pdf*](http://www.sepp.org/publications/nipcc_final.pdf) [ 13]: [*http://icecap.us/index.php/go/political-climate/alarmist\_claim\_rebuttals\_updated/*](http://icecap.us/index.php/go/political-climate/alarmist_claim_rebuttals_updated/) [ 14]: [*http://icecap.us/index.php/go/joes-blog/wildfires\_already\_in\_the\_environmental\_news1/*](http://icecap.us/index.php/go/joes-blog/wildfires_already_in_the_environmental_news1/) [ 15]: [*http://icecap.us/index.php/go/new-and-cool/from\_the\_archives\_pew\_research\_findings\_of\_what\_real\_scientists\_believed2/*](http://icecap.us/index.php/go/new-and-cool/from_the_archives_pew_research_findings_of_what_real_scientists_believed2/)

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[***The Sun's Pro-Fracking Poll was Paid for by Climate Denial Group***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655G-89N1-F03R-N0TN-00000-00&context=1516831)

Newstex Blogs

DeSmogBlog

April 6, 2022 Wednesday 5:12 PM EST

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**Length:** 1106 words

**Byline:** Adam Barnett

**Body**

Apr 06, 2022( DeSmogBlog: [*http://desmogblog.com*](http://desmogblog.com) Delivered by Newstex)

A poll in The Sun that claims 44 percent of the British public supports fracking was paid for by a climate science denial group, DeSmog can report.&160;

The survey was published[1] in The Sun this week (5 April) with the headline &8220;FRACKING IS FINE: Nearly half of voters are in favour of lifting fracking ban&8221; and referenced[2] in the &8220;Sun Says&8221; editorial column. The story did not include any information about who was behind the poll.&160;&160;

But the survey was commissioned[3] by Net Zero Watch[4] (NZW) &8211; the campaign arm of the Global Warming Policy Foundation[5] (GWPF) &8211; which last week released a paper calling[6] for renewable energy from wind and solar to be &8220;wound down&8221; completely and for coal-fired power stations to be kept open.

It comes ahead of the UK government unveiling its new energy strategy on Thursday and after the latest report from UN climate body, the ***IPCC***, warned[7] that there are only 30 months left in which to make &8220;immediate and deep&8221; cuts to emissions to keep global warming below 1.5C.

The survey &8211; promoted[8] on Twitter by NZW &8211; uses questions which set the UK&8217;s 2050 net zero target up against &8220;national security&8221; and the cost of household bills.

The findings of the survey, which was carried out by Savanta Comres, is out of step with previous polls, including government research[9] last year that found just 17 percent of the public support hydraulic fracturing &8211; fracking &8211; for shale gas, with 45 percent against.&160;

Denial Campaign

The press release[10] for the NZW poll includes quotes from Steve Baker MP[11], a former Brexit minister, and Craig Mackinlay MP[12], who are deputy chair and chair of the Net Zero Scrutiny Group[13] (NZSG) of backbench MPs.&160;

DeSmog has previously revealed[14] how NZW/GWPF is working with these backbench MPs to oppose the UK&8217;s 2050 net zero target and push for continued use of fossil fuels, with particular stress on overturning the UK&8217;s 2019 moratorium on fracking.&160;

NZW chair Neil Record[15] recently donated[16] &163;5,000 to Baker, while NZW head of policy Harry Wilkinson[17] is a parliamentary aide[18] to Mackinlay, who also provided[19] a quote for NZW&8217;s anti-renewables paper last week.&160;

Earlier this week, Mackinlay wrote[20] a piece in Conservative Home on the need to persuade the public to support fracking.

In November, Lord Lawson[21], a NZW board member who founded the GWPF, wrote an article in which he asserted[22] that &8220;global warming is not a problem&8221;, defended the continued use of fossil fuels, and said &8220;decarbonisation, in short, would be an unparalleled economic calamity&8221;.&160;

The Sun has been contacted for comment.&160;

You can explore our profiles of climate science deniers in DeSmog&8217;s Climate Disinformation Database[23].

The post The Sun&8217;s Pro-Fracking Poll was Paid for by Climate Denial Group[24] appeared first on DeSmog[25].

[ 1]: [*https://web.archive.org/web/20220406125526/https://www.thesun.co.uk/news/18178908/half-voters-lifting-fracking-ban/*](https://web.archive.org/web/20220406125526/https://www.thesun.co.uk/news/18178908/half-voters-lifting-fracking-ban/) [ 2]: [*https://www.thesun.co.uk/news/18177975/home-office-shames-britain-betrays-ukrainians-refugees/*](https://www.thesun.co.uk/news/18177975/home-office-shames-britain-betrays-ukrainians-refugees/) [ 3]: [*https://web.archive.org/web/20220406131340/https://www.netzerowatch.com/brits-support-an-end-to-fracking-ban/*](https://web.archive.org/web/20220406131340/https://www.netzerowatch.com/brits-support-an-end-to-fracking-ban/) [ 4]: [*https://www.desmog.com/net-zero-watch*](https://www.desmog.com/net-zero-watch)/ [ 5]: [*https://www.desmog.com/global-warming-policy-foundation*](https://www.desmog.com/global-warming-policy-foundation)/ [ 6]: [*https://www.desmog.com/2022/03/30/anti-net-zero-mp-backs-laughable-report-urging-renewables-be-wound-down/?\_thumbnail\_id=45364*](https://www.desmog.com/2022/03/30/anti-net-zero-mp-backs-laughable-report-urging-renewables-be-wound-down/?_thumbnail_id=45364) [ 7]: [*https://www.****ipcc****.ch/2022/04/04/****ipcc****-ar6-wgiii-pressrelease/*](https://www.ipcc.ch/2022/04/04/ipcc-ar6-wgiii-pressrelease/) [ 8]: [*https://web.archive.org/web/20220406131209/https://twitter.com/NetZeroWatch/status/1511621627238391808?s=20&t=H1FdGYdwjuDIxq0VdurCmA*](https://web.archive.org/web/20220406131209/https://twitter.com/NetZeroWatch/status/1511621627238391808?s=20&t=H1FdGYdwjuDIxq0VdurCmA) [ 9]: [*https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\_data/file/1040725/BEIS\_PAT\_Autumn\_2021\_Energy\_Infrastructure\_and\_Energy\_Sources.pdf*](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1040725/BEIS_PAT_Autumn_2021_Energy_Infrastructure_and_Energy_Sources.pdf) [ 10]: [*https://web.archive.org/web/20220406131340/https://www.netzerowatch.com/brits-support-an-end-to-fracking-ban/*](https://web.archive.org/web/20220406131340/https://www.netzerowatch.com/brits-support-an-end-to-fracking-ban/) [ 11]: [*https://www.desmog.com/steve-baker*](https://www.desmog.com/steve-baker)/ [ 12]: [*https://www.desmog.com/craig-mackinlay*](https://www.desmog.com/craig-mackinlay)/ [ 13]: [*https://www.desmog.com/net-zero-scrutiny-group*](https://www.desmog.com/net-zero-scrutiny-group)/ [ 14]: [*https://www.desmog.com/2022/03/18/mapped-how-the-net-zero-backlash-is-tied-to-climate-denial-and-brexit/*](https://www.desmog.com/2022/03/18/mapped-how-the-net-zero-backlash-is-tied-to-climate-denial-and-brexit/) [ 15]: [*https://www.desmog.com/neil-record*](https://www.desmog.com/neil-record)/ [ 16]: [*https://www.desmog.com/2022/03/08/steve-baker-mp-took-5000-from-chair-of-climate-science-denial-group-where-he-is-unpaid-trustee/*](https://www.desmog.com/2022/03/08/steve-baker-mp-took-5000-from-chair-of-climate-science-denial-group-where-he-is-unpaid-trustee/) [ 17]: [*https://www.desmog.com/harry-wilkinson*](https://www.desmog.com/harry-wilkinson)/ [ 18]: [*https://www.desmog.com/2022/02/16/revealed-how-the-aides-of-anti-net-zero-mp-craig-mackinlay-are-linked-to-a-leading-climate-denial-group/*](https://www.desmog.com/2022/02/16/revealed-how-the-aides-of-anti-net-zero-mp-craig-mackinlay-are-linked-to-a-leading-climate-denial-group/) [ 19]: [*https://www.desmog.com/2022/03/30/anti-net-zero-mp-backs-laughable-report-urging-renewables-be-wound-down/?\_thumbnail\_id=45364*](https://www.desmog.com/2022/03/30/anti-net-zero-mp-backs-laughable-report-urging-renewables-be-wound-down/?_thumbnail_id=45364) [ 20]: [*https://www.conservativehome.com/platform/2022/04/craig-mackinlay-how-to-gain-popular-consent-for-fracking.html*](https://www.conservativehome.com/platform/2022/04/craig-mackinlay-how-to-gain-popular-consent-for-fracking.html) [ 21]: [*https://www.desmog.com/nigel-lawson*](https://www.desmog.com/nigel-lawson)/ [ 22]: [*https://www.desmog.com/2021/11/04/global-warming-is-not-a-problem-says-net-zero-watch-board-member-lord-lawson-during-cop26/*](https://www.desmog.com/2021/11/04/global-warming-is-not-a-problem-says-net-zero-watch-board-member-lord-lawson-during-cop26/) [ 23]: [*https://www.desmog.com/global-warming-denier-database-uk*](https://www.desmog.com/global-warming-denier-database-uk) [ 24]: [*https://www.desmog.com/2022/04/06/the-suns-pro-fracking-poll-was-paid-for-by-climate-denial-group/*](https://www.desmog.com/2022/04/06/the-suns-pro-fracking-poll-was-paid-for-by-climate-denial-group/) [ 25]: [*https://www.desmog.com*](https://www.desmog.com)

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[***'Asking For A Miracle': Hawaii Evaluates Global Roadmap To Avoid Climate Catastrophe***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6568-VXN1-JCMN-Y42X-00000-00&context=1516831)

Newstex Blogs

Honolulu Civil Beat

April 10, 2022 Sunday 10:30 AM EST

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**Length:** 1709 words

**Byline:** Brittany Lyte

**Body**

Apr 10, 2022( Honolulu Civil Beat: [*http://civilbeat.com*](http://civilbeat.com) Delivered by Newstex)

This week the world's top climate scientists fired off a final warning: Greenhouse gas emissions must peak worldwide by 2025 to avoid the most devastating impacts of global warming.

At stake is the habitability of large parts of the world.

One of the most impactful changes the world can make to slash emissions is to ditch fossil fuels, according to the Intergovernmental Panel on Climate Change[1], which published the last in a series of three reports on Monday prescribing a last-chance roadmap to limiting global temperature rise[2].

The report, University of Hawaii climate change expert Chip Fletcher said, is 'frankly asking for a miracle.'

Caution tape at Haleiwa Beach Park in 2019 helped protect beachgoers from a compromised seawall foundation under siege by sea level rise.Cory Lum/Civil Beat

One of the hurdles to hastening progress on global emissions goals is the glaring gap between what some nations have pledged to do to curb emissions and what they're actually doing in practice.

'Many of the world's nations have been flat out lying with regard to not keeping promises that they've made,' said Fletcher, associate dean for academic affairs at the School of Ocean and Earth Science and Technology at the University of Hawaii Manoa. 'The climate agreement that everybody signed on to back in Paris in 2015, that needs to be revisited with economic repercussions for those nations that are making promises that they're not keeping.'

A number of energy economists and think tanks are projecting that greenhouse gas emissions are likely to continue to rise through the end of this decade, eventually stabilizing by mid-century and then sinking into a decline during the second half of the century, Fletcher said.

'And that,' he said, 'is a recipe for a world that is incredibly unsafe for us and for our children.'

Large solar farms like this one on Kauai are helping Hawaii wean itself off fossil fuels. Increasing the state's renewable energy portfolio not only reduces carbon emissions, it also helps to stabilize consumer electric bills.Nathan Eagle/Civil Beat/2019

Hawaii, for its part, is farther along than most of the rest of the world in making a renewable energy transition.

With the impacts of sea level rise, drought and intensifying storms unfolding in many residents' backyards, climate change is no longer an existential threat in Hawaii but a clear and present one. As such, the state has benefited from a public consensus that the effects of climate change are happening now and therefore must be dealt with.

In 2018, the state passed a law that sets a goal of making Hawaii carbon net-negative by 2045 — the most ambitious emissions reduction goal of any state.

The Covid-19 pandemic helped the state achieve an earlier climate goal of reducing statewide greenhouse gas emissions to 1990 levels by 2020, according to a greenhouse gas emissions report[3] by the Hawaii Department of Health.

But research by the University of Hawaii Economic Research Organization[4] found that the state's post-pandemic emissions levels are likely to rebound[5], potentially threatening its ability to realize its 2045 carbon net-negative target.

Then there's this important caveat: The pent-up demand for air travel that's causing Hawaii tourism to rebound isn't reflected in the state's greenhouse gas emissions calculations because the state doesn't consider emissions from transpacific flights.

'Completely Disappointing'

Leah Laramee, interim state climate coordinator, said she anticipates some of the positive emissions reductions associated with the pandemic will stick.

Working from home is likely here to stay, at least in some capacity. That's a win for curbing transportation-related emissions, and government leaders can build on this progress by incentivizing people to use electric vehicles or improving the walkability of Hawaii's cities, towns and neighborhoods, she said.

On a global scale, the pandemic presented the world with a lost opportunity to invest stimulus funds disbursed by governments to combat an economic recession into initiatives likely to help reduce greenhouse gasses. Only about 6% of the $13 trillion in stimulus money from 19 countries and the European Union analyzed by a Johns Hopkins University study[6] funded climate-beneficial objectives.

Mile marker 14 of Maui's Honoapiilani Highway during a king tide in March 2017.Courtesy: Asa Ellison/Hawaii Sea Grant/2017

Fletcher rendered this missed chance to fund climate initiatives as 'completely disappointing.'

'It's difficult for us as a global community to keep our eye on the long-term problems,' he said. 'But, because of that, climate change is no longer just a long-term problem. It's an immediate problem and places that recognize this, like Hawaii, are doing a fairly good job addressing it. It's places like Hawaii that are leading the way.'

Combating climate change requires a holistic approach, and curbing emissions is just one piece of the puzzle, Laramee said.

As the state experiences reduced rainfall and intensifying big rain events, sometimes referred to as rain bombs, it needs to boost investment in reforestation, water systems protection and food sustainability, she said.

'Hawaii's been such a strong leader worldwide. We've set really aggressive goals,' Laramee said. 'I think it's one of those things where you're doing a lot of prep-work for something and hopefully we can move it into action. We have made pledges and statements saying we're in a climate emergency, and we need to start investing funding to recognize that.'

Small Actions Make A Difference

Many people aren't waiting for government to lead the way on climate change action.

For Lucienne de Naie, an executive committee member of the Sierra Club of Hawaii[7], there's not much new in the ***IPCC***'s latest guide to actions that could prevent the most catastrophic climate change scenarios.

'It reminds me of that line in the Tolkien book about the hobbits — they make long lists of what everybody already knows,' de Naie said. 'It's needed in many ways, but I'm a person of action: Plan an action, get some help, take an action.'

Last November more than two dozen Hawaii Preparatory Academy students on the Big Island planted 89 native plants, including wili wili and koa.Courtesy: Retree Hawaii/2021

The Sierra Club is championing public policies at the Hawaii Legislature that would facilitate the transition from fossil fuels to clean renewable energy and it's supporting county policies that facilitate managed retreat from at-risk shorelines, protect wetlands and reduce water waste, according to de Naie.

But so many people want to feel that they're doing something to combat climate change in their backyard. So de Naie said the Sierra Club supports programs that bring people together to plant trees or protect habitats essential to carbon absorption, such as watersheds.

'Obviously none of us can march over to Russia or China and say, 'Burn less oil,'' she said. 'But things do change and this is something that's going to switch during our lifetime. We might as well try to be prepared for this change that's upon us and make sensible decisions to make the transition less painful.'

Rob Weltman of ReTree Hawaii[8], a Maui-based program founded in 2019 that matches volunteers with opportunities to plant trees, said the ***IPCC*** report underscores a need to apply more pressure on politicians to do more to address climate change. But it also highlights the value of an all-hands-on-deck approach, he said.

It could be something as simple as planting a native shrub in your own backyard, he said.

Last November, Retree Hawaii hosted 68 planting events on every island except Niihau. All told, 1,426 volunteers planted 10,614 trees, shrubs and other plants at schools, hotels, golf courses, parks, roadsides, backyards and on conservation land, Weltman said.

'The fact that things are worse than we thought a year ago does not mean that small actions are useless,' Weltman said. 'To the contrary, it means that everything needs to be done to combat climate change, both big things and small things. The message should not be that the only thing that can solve this is the government.'

Civil Beat's coverage of climate change is supported by the Environmental Funders Group of the Hawaii Community Foundation, Marisla Fund of the Hawaii Community Foundation and the Frost Family Foundation.

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[ 1]: [*https://www.****ipcc****.ch*](https://www.ipcc.ch)/ [ 2]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 3]: [*https://health.hawaii.gov/cab/hawaii-greenhouse-gas-program/*](https://health.hawaii.gov/cab/hawaii-greenhouse-gas-program/) [ 4]: [*https://uhero.hawaii.edu*](https://uhero.hawaii.edu)/ [ 5]: [*https://uhero.hawaii.edu*](https://uhero.hawaii.edu)/ [ 6]: [*https://hub.jhu.edu/2022/03/02/missed-opportunity-to-address-climate-crisis-with-covid-19-stimulus/*](https://hub.jhu.edu/2022/03/02/missed-opportunity-to-address-climate-crisis-with-covid-19-stimulus/) [ 7]: [*https://sierraclubhawaii.org*](https://sierraclubhawaii.org)/ [ 8]: [*https://retree-hawaii.org*](https://retree-hawaii.org)/

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[***My latest piece in The Conversation***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655T-J6J1-JCMN-Y3V7-00000-00&context=1516831)

Newstex Blogs

John Quiggin

April 8, 2022 Friday 1:06 AM EST

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**Length:** 289 words

**Byline:** John Quiggin

**Body**

Apr 07, 2022( John Quiggin: [*http://www.johnquiggin.com*](http://www.johnquiggin.com)/ Delivered by Newstex)

A quick response to the latest ***IPCC*** report on climate change, published as Time's up: why Australia has to quit stalling and wean itself off fossil fuels[1]

Because of tight deadlines, the editor added a fair bit of material to my draft. I stand by all the content, but not all the language is mine.

[ 1]: [*https://theconversation.com/times-up-why-australia-has-to-quit-stalling-and-wean-itself-off-fossil-fuels-180666*](https://theconversation.com/times-up-why-australia-has-to-quit-stalling-and-wean-itself-off-fossil-fuels-180666)

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[***Week in review - climate edition***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6567-D8D1-F03R-N11S-00000-00&context=1516831)

Newstex Blogs

Climate Etc.

April 9, 2022 Saturday 7:06 PM EST

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**Length:** 2817 words

**Byline:** curryja

**Body**

Apr 09, 2022( Climate Etc.: [*http://judithcurry.com*](http://judithcurry.com)/ Delivered by Newstex)

by Judith Curry

A few things that caught my eye these past weeks

We find that ocean warming and ice shelf melting respond to long-term changes in the atmosphere - specifically the Southern Hemisphere westerly winds. [link[1]]

The magic and mystery of turbulence [link[2]]

Interpreting extreme climate impacts from large ensemble simulations - are they unseen or unrealistic? [link[3]]

Past world economic production constrains current energy demands [link[4]]

Problems with datasets used to estimate trends in extreme rainfall [link[5]]

Could 'lost crops' help us adapt to climate change? [link[6]]

Role of the Pacific Decadal Oscillation in driving US temperature predictability [link[7]]

The Greenland ice sheet is melting from the inside out, as well as the outside in.[link[8]]

Earth's melting glaciers contain less ice than scientists thought [link[9]]

The Lancet: mortality from non optimal temperatures. With warming, the largest decline in overall excess death ratio occurred in South-eastern Asia, whereas excess death ratio fluctuated in Southern Asia and Europe. [link[10]]

We provide new estimates of the interannual variability in supraglacial lake areas and volumes around the entire East Antarctic Ice Sheet. [link[11]]

Arctic glaciers and ice caps through the Holocene [link[12]]

Overview article on atmospheric rivers [link[13]]

Millions of historical monthly rainfall observations taken in the UK and Ireland rescued by citizen scientists [link[14]]

What was the Carrington event? [link[15]]

Where did the water from Mars' ancient rivers and lakes go? [link[16]]

'Surface ocean warming and acidification driven by rapid carbon release precedes Paleocene-Eocene Thermal Maximum' [link[17]]

' the CO2 airborne fraction has decreased by 0.014  0.010 decade−1 since 1959. This suggests that the combined land-ocean sink has been able to grow at least as fast as anthropogenic emissions' [link[18]]

links between coastal marine and terrestrial #heatwaves[19] around Australia. [link[20]]

Transient sea level response to external forcing [link[21]]

Tropical methane emissions explain large fraction of recent global increase [link[22]]

Ancient El Ninos reveals limits to future climate projections [link[23]]

The potential for soil carbon storage in croplands to mitigate global warming is much smaller than previously suggested, [link[24]]

Comparison of Holocene temperature reconstructions based on GISP2 ice cores [link[25]]

Net carbon uptake has kept pace with increasing CO2 emissions [link[26]]

permafrost peatlands in Europe and Western Siberia will soon surpass a climatic tipping point under scenarios of moderate-to-high warming. [*https://go.nature.com/3JgzAVi*](https://go.nature.com/3JgzAVi)[27]

Discrepancies in changes in precipitation characterization over the US [link[28]]

Good article on cloud seeding [link[29]]

Technology and policy

Its time for rooftop solar to compete with other renewables [link[30]]

India kept extreme poverty below 1% despite pandemic [link[31]]

The green U.S. supply chain rules set to unspool and rattle the global economy [link[32]]

Storage requirements in a 100% renewable electricity system: extreme events and interannual variability [link[33]]

America's approach to energy security is broken [link[34]]

Extracting rare earth elements from waste with a flash of heat [link[35]]

Green energy goes greener with a way to recycle solar panels [link[36]]

Why a waterless cleaning method for solar panels could be a major breakthrough for clean energy: [link[37]]

Research showed that human activities posed the biggest threats to coastlines with seagrasses, savannas, or coral reefs. Coastlines with deserts, forests, and salt marshes fared a little better. [link[38]]

The 1.5 degree goal is all but dead [link[39]]

The farmer's climate change adaptation challenge in least developed countries [*https://escholarship.org/content/qt5b55x5w5/qt5b55x5w5\_noSplash\_d0113e7b3a75cdffebc33d2a603a59df.pdf*](https://escholarship.org/content/qt5b55x5w5/qt5b55x5w5_noSplash_d0113e7b3a75cdffebc33d2a603a59df.pdf)[40]

Germany's energy fiasco [link[41]]

How to create the U.S. arsenal of energy: a roadmap for energy security [link[42]]

Debunking energy demand [link[43]]

Surging electric bills threaten California climate goals [link[44]]

Let them eat carbon: Entrenching poverty by limiting fossil fuel investment won't solve climate change, [link[45]]

Questioning the expanding use of croplands for biofuels [link[46]]

Disruptions to supplies of hydrogen and helium have led to cancellation of routine weather balloon launches [link[47]]

We can't wait for speculative tech to save us from climate change [link[48]]

How not to interpret the emissions scenarios in the ***IPCC*** report [link[49]]

These energy innovations could transform how we mitigate climate change [link[50]]

Drivers of increased crop production [link[51]]

Wind project developer charged in deaths of golden eagles [link[52]]

Carbon Brief summary of AR6 WGIII report [link[53]]

UK doubles down on nuclear power despite fierce opposition [link[54]]

A new method for recycling plastics [link[55]]

Climate as a risk factor for armed conflict [link[56]]

Forests help reduce global warming in more ways than one [link[57]]

'This article explores the various impacts on economic growth in the ***IPCC*** scenarios that limit the average global temperature increase in 2100 to 1.5oC. It finds that the impacts are generally small and that in no case is 'degrowth' required.' [link[58]]

Life in the world's hottest city [link[59]]

SwissRe: update on global catastrophe losses (no trend since 1990) [link[60]]

The Left's climate playbook is already outdated [link[61]]

Oceans + carbon removal: It's complicated [link[62]]

Replacing conventional irrigation with the efficient irrigation can lead to double benefits: improved water savings and reduced moist heat stress! For details, see our recent paper in Earth's Future (AGU): [*https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2021EF002642*](https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2021EF002642)[63]

The case for cold climate heat pumps [link[64]]

Wind and solar proponent's arithmetic problem [link[65]]

New type of UV light makes indoor air as safe as outdoors for airborne virus [link[66]]

Climate change is spurring a movement to build storm proof homes [link[67]]

'Climate smart' policies could increase southern Africa's crops by up to 500% [link[68]]

About science and scientists

Free speech: a history from Socrates to social media [link[69]]

New research has revealed fascinating details about the #evolution[70] of humans living in Europe during the #Neolithic[71] Revolution and the notable physiological changes they experienced in a short period of time. [*https://ancient-origins.net/news-evolution-human-origins/evolution-of-europeans-0016620*](https://ancient-origins.net/news-evolution-human-origins/evolution-of-europeans-0016620)[72]

Dinosaur wars: the nastiest feud in science [link[73]]

Cocooning philosophers in academia: nostalgia for the 'bad' old days [link[74]]

Against scientific gatekeeping [link[75]]

What happens in our brains when we change our minds [link[76]]

What happens when the scientists disagree? Scientific dissent should be engaged with, not suppressed [link[77][

Fascinating history of climate science in Russia [link[78]]

Myside bias, rational thinking and intelligence [link[79]]

Dissident philosophers [Dissident philosophers [link] " >link]

The future is vast: longtermism's perspective on humanity's past, present, future [link[80]]

Climate clues from the past prompt a new look at history [link[81]]

The philosopher redefining equality [link[82]]

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**Body**

Apr 04, 2022( DeSmogBlog: [*http://desmogblog.com*](http://desmogblog.com) Delivered by Newstex)

Travis Dardar, an indigenous fisherman in Cameron, Louisiana, has a front-row view of the expansion of the liquified natural gas (LNG) industry&8217;s export capacity on the Gulf Coast &8212; and it isn&8217;t pretty. &8220;It disgusts me what man is doing to the planet,&8221; Dardar told me as I photographed flares at the recently built Venture Global Calcasieu Pass LNG export facility from his boat out in the Calcasieu Ship Channel, which empties into the Gulf of Mexico.

I met Travis and his wife Nicole Dardar on March 17, before attending an air quality permit hearing held by the Louisiana Department of Environmental Quality (LDEQ) in Cameron for another proposed LNG export project by Commonwealth LNG[1], a Texas-based company.

Flare at Venture Global Calcasieu Pass LNG export facility. Credit: Julie Dermansky

The couple wasn&8217;t aware of the permit hearing for Commonwealth LNG&8217;s new export terminal project until I mentioned it to them. But they have plenty to say about why state regulators should deny the air quality permit for an export facility being built on the other side of the channel from Venture Global&8217;s existing LNG facility[2]. They told me that the facility is already polluting their air, flaring almost nonstop since December, in addition to the noise and light pollution the facility creates, first from construction and now from operations.

The Dardars live about a mile from Venture Global&8217;s new facility and already question their safety due to the seemingly constant chemical releases before the plant is even fully online, let alone what life would be like with the second one across from their front door.

&8220;Nobody told us what the blast zone for the plant is,&8221; Travis said. The couple both figure if the facility does blow their family would be killed instantly &8212; a fear that adds to the ongoing stress they have from trying to recover from Hurricane Laura, which destroyed almost everything they own.

One of many residences in Cameron Parish destroyed by Hurricane Laura. Credit: Julie Dermansky

A storm-damaged cemetery in Cameron. Credit: Julie Dermansky

&8220;I&8217;m worried about the health impacts the plant might have on my family,&8221; Nicole told me. She noticed that since the flares at the plant started, she often gets headaches. The uptick in crime and road accidents since construction at the plant started also worries her. &8220;I no longer feel like this is a safe place for our kids.&8221;

Venture Global has reported several[3] incidents[4] to LDEQ, since it recently started the first phase of its operations. Those incident reports can be found on the regulator&8217;s site &8212; if you can figure out how to navigate it &8212; except for more recent ones, including three that occurred after the March 17 permit hearing took place. The reports show that the facility has released numerous chemicals, including benzene, a known human carcinogen, and methane.

I asked Venture Global why there is nearly constant flaring at the facility, and if the company wanted to comment on the mounting number of incidents plaguing the plant as it ramps up operations, but didn&8217;t hear back before my deadline.

The Dardars believe they are going to be forced to move whether Commonwealth LNG&8217;s proposed project is permitted or not. Before Venture Global&8217;s LNG export facility was done being constructed, the company announced it planned to build Venture Global CP2 LNG[5], a second project that will greatly increase the company&8217;s footprint so that it extends right across the street from the Dardars&8217; residence.

&8220;There aren&8217;t many places I can go and still be able to make a living,&8221; said Travis, who primarily makes his living harvesting oysters. He is a member of the Isle de Jean Charles[6] Biloxi-Chitimacha-Choctaw Tribe and grew up on the island, which is facing some of the fastest land erosion along the Gulf Coast. He moved his family to Cameron about seven years ago. By that time, life on the Isle de Jean Charles had grown untenable.

Other family members of the Dardars&8217; who lived on the Isle de Jean Charles have left too, after taking the state up on its offer to relocate residents[7] further inland, with federal funds granted[8] to resettle the community out of harm&8217;s way.

However, even if the Dardars have to leave Cameron, Travis is not considering moving inland where he would no longer be able to make a living as a fisherman. He is only considering relocating somewhere else on the Gulf Coast, although available properties he has seen listed for sale are more expensive than what his land in Cameron would likely be appraised for now, since the new plant has robbed the area of its natural beauty. He and others I spoke to in the area are anticipating buyout offers, though none have been contacted about buyouts as of yet. The Dardars would welcome a fair offer, but are preparing to battle for just compensation if need be.

Contentious Hearing in Cameron

About 50 people attended the LDEQ hearing on Commonwealth LNG&8217;s proposed export facility&8217;s draft 850-page air quality permit application. If approved, the permit would allow a massive natural gas liquefaction and export facility to emit 3.5 million tons of carbon dioxide a year, two known carcinogens, and other emissions that are harmful to the environment, including particulates and oxides of nitrogen.

Most of the opponents of the permit who commented at the hearing were environmental advocates from across the state. They cited the detrimental environmental impacts the plant will have, from increasing coastal erosion to destroying critical habitat for migratory birds. They also detailed the detrimental climate impact increasing LNG export will have and how expanding export capacity of natural gas is contrary to the need to lower carbon emission in order to stop warming the planet.

On the other side, local proponents of the permit expressed support not only for the project that Commonwealth LNG proposes, but the expansion of the LNG export industry in general. They welcomed the jobs and tax revenue to Cameron and asserted the increased capacity to export LNG will re-establish energy independence, which they suggested has been diminished by the Biden administration&8217;s stated aim to combat climate change. It will also make it possible to help Europe break free from its dependence on Russian natural gas, they argued.

&8220;We are tired of this fight,&8221; said Roishetta Ozane, a community organizer for the environmental group Healthy Gulf. &8220;We are not a climate sacrifice zone.&8221; Credit: Julie Dermansky

David Shull, who said he&8217;s worked in the oil and gas industry for more than three decades, said he knew how such facilities are designed and offered assurances that Commonwealth LNG&8217;s project we be very safe because the company knows what it is doing. Credit: Julie Dermansky

At the start of the proceedings, Commonwealth LNG was offered 20 minutes to make a presentation about its project. No one at the hearing identified themselves as a rep for the company, even to decline the offer.

Anne Rolfes, founder of the Louisiana Bucket Brigade questioned what the project would do to the seafood industry. Credit: Julie Dermansky

Erik Johnson, with the National Audubon Society, warned that the project would further imperil the Eastern Black Rail. Credit: Julie Dermansky

Wendy Walker Harrington, a self-described daughter of Cameron Parish, countered Rolfes&8217; concerns about the seafood by stating she doesn&8217;t glow in the dark though she ate shrimp the night before. She also dismissed Johnson&8217;s concerns by claiming Black Rail were nesting behind Cheniere Energy, another LNG facility in Cameron, in 2019 before the hurricanes. Credit: Julie Dermansky

The hearing lasted about two hours and turned into a debate over the expansion of LNG export facilities along the Gulf Coast, with only a few of the speakers addressing actionable issues with the specific permit application being considered. A few of the speakers made multiple comments countering comments made by each other. A handful of industry lobbyist didn&8217;t comment but took notes and at times snickered at comments made by opponents of the project.

Industry lobbyist listening and taking note at the permit hearing. Credit: Julie Dermansky

James Hiatt speaking against LDEQ approving the permit application. Credit: Julie Dermansky

James Hiatt, with the Louisiana Bucket Brigade, an environmental advocacy group, said it seemed like the regulators had already decided to grant the permit before the hearing started. He mused that the requested air quality permit is actually a permit to pollute, adding that &8220;we have got to act swiftly to curb greenhouse gas emissions, and we need to stop this false narrative about there being anything clean about this gas.&8221;

He took issue that the agency didn&8217;t make the 850-page application searchable, making it too difficult and time consuming for the general public to analyze before the comment period was set to end. He requested that the public comment period, which was set to close on March 21, be extended to give people the time to properly respond.

His comments, suggesting the agency already decided to grant the permit before the hearing took place, and his request to extended the comment period, were echoed other opponents of the permit request, including Wilma Subra, a technical advisor with the Louisiana Environmental Action Network.

Wilma Subra speaking against Commonwealth LNG&8217;s permit application. Credit: Julie Dermansky

Subra opened her comments by questioning the speed at which the LDEQ is moving the permitting process along for such a large and consequential facility, pointing out that the agency issued an administrative completeness letter to Commonwealth LNG the same day it received its application. She expressed doubt it was possible for the agency to review the lengthy application in one day, reminding them that such reviews are done to make sure the applicant included all of the material regulators need make a determination, before moving the process along.

Subra continued by outlining deficiencies she found in the application, from the company&8217;s site selection process to environmental impacts, including how the facility would change the hydrology of the Calcasieu Pass where it enters the Gulf of Mexico. Additionally, Subra objected to the LDEQ&8217;s failure to take into account the cumulative impacts of toxic air emissions from Commonwealth LNG&8217;s proposed facility, Venture Global&8217;s newly built facility, and the one it is building next to it.

&8220;The proposed location is subject to extreme weather events, tropical storms, and flooding,&8221; she said, pointing out that those at the hearing are well aware of the fact that hurricanes caused massive destruction in 2020, adding another reason to the litany of reasons that the permit application should be denied.

Commonwealth LNG&8217;s facility will drain the estuaries, John C. Allaire warned at LDEQ&8217;s hearing, which will kill everything in them. Credit: Julie Dermansky

John C. Allaire, an environmental engineer who lives adjacent to the proposed site for Commonwealth LNG&8217;s project, described the environmental harm the project would cause as catastrophic and echoed some of the same impacts to the environment that Subra brought up.

Allaire also asserted that increasing exports of LNG will dramatically boost domestic energy prices, and stated that the government can&8217;t ensure that increasing the area&8217;s LNG export capacity will help Europe because LNG is sold by the facilities exporting it to the highest bidder. He pointed out that most of the LNG exports are currently going to China, which he described as &8220;America&8217;s largest economic competitor and its greatest geopolitical adversary,&8221; adding that &8220;China is backing Putin in his brutal attempt to crush democracies and spread authoritarianism, as he is now doing to innocent civilians in Ukraine.&8221;

Katie Armentor, speaking in favor of Commonwealth&8217;s LNG project and expressing contempt for those who came from out of the area to comment against it. Credit: Julie Dermansky

Those in favor of the project, like Katie Armentor, who was born and raised in Cameron Parish, countered many of the objections with industry talking points, like the misnomer that natural gas is a &8220;bridge fuel&8221; and other points that were unrelated to the permit application.

&8220;That only one landowner showed up in opposition should speak volumes,&8221; she stated, referencing Allaire. She added that she thinks it is unfair to blame the LNG industry for contributing to the recent hurricanes because the area had hurricanes before the LNG plants started operating.

&8220;Why don&8217;t you go home,&8221; she said taking aim at opponents from outside the area she claimed where chastising Cameron Parish residents while contributing to climate change by disposing of all of the products they use, like cell phones and face masks &8212; comments that leaned into hackneyed climate science denial by suggesting personal responsibility plays more of a role in climate change than curtailing the fossil fuel industry. &8220;Let us decide our own future,&8221; she added.

Clearly, she hadn&8217;t spoken the locals I met before the hearing who were unaware that it was taking place. They told me they would have commented against it and the permit applications for Venture Global&8217;s other LNG plants had they known about the hearings in advance.

Cameron Parish Assessor Scott Lavergne, the only public official to speak at the meeting, spoke in favor of the project, saying it would create millions in ad valorem taxes for the area. Credit: Julie Dermansky

Michael Tricolo, a longtime environmental activist, warned an accident at an LNG export facility could result in many people being burned to death. Credit: Julie Dermansky

The day after the comment period was set to expire I asked the LDEQ if the comment period had been extended and if not, why not? Greg Langley, a spokesperson for the LDEQ let me know that the agency hadn&8217;t decided yet. I asked again on March 28. Late that afternoon, Langley let me know that LDEQ decided to extended the period an additional two weeks until April 12, and that information about the extension is now on the agency&8217;s site[9].

I asked Subra if she was aware that an extension to the comment period was granted. She was not, and found it doubtful that the others who requested an extension were aware either.

&8220;I encourage people opposed to the project to weigh in,&8221; she said. She advised those hoping to convince LDEQ to reject the permit to comment on flaws in the permit itself that violate existing regulations, which could lead to a rejection of it. While comments about the plant&8217;s relation to climate change will be part of the agency&8217;s record, she explained that &8220;the agency does not have any regulations on climate change that give the them grounds to deny a permit.&8221;

President Biden&8217;s Continued Support For Fracking Industry Re-emerges

Commonwealth LNG&8217;s proposed export facility is one of almost 20 LNG export projects seeking permits on the Gulf Coast that, if built, will greatly increase the United States&8217; export capacity. The facilities use an energy-intensive process to transform natural gas into LNG so that it can be loaded on to tankers. If the export facilities are built, more wells will need to be drilled and fracked to supply natural gas to the LNG plants, which will require costly infrastructure, including more pipelines, to transport the natural gas to the facilities.

Although oil and gas industry supporters continue to claim that natural gas is a &8220;bridge fuel[10],&8221; climate scientists have shown otherwise. While natural gas burns cleaner than coal, the advantage of using it is negated by the methane emitted in its production. Methane, the main component of natural gas, heats the planet at a much greater rate[11] than carbon dioxide in the short term.

President Biden&8217;s recent declaration that the United States will expand LNG exports to Europe so they won&8217;t be reliant on Russian oil, is getting fierce pushback from climate advocates. They point out that move is contrary to the president&8217;s own climate agenda[12] that calls for moving toward clean energy. And scientists, including Sandra Steingraber, Peter Kalmus, Robert W. Howarth, Michael E. Mann, and Mark Jacobson, wrote a letter to Biden[13] calling on him to stop facilitating more fuel extraction and the building of infrastructure for the fossil fuel industry.

Though Biden ditched the phrase &8220;bridge fuel&8221; when referring to natural gas in the early days of his presidential campaign and curtailed his support for fracking after pushback from environmentalist, his calls for ramping up LNG exports shows cognitive dissonance.

The president offered no details on how he plans to make this happen, yet the LNG industry is already working with the banking industry to move in that direction, according to a Bloomberg article[14].

&8220;The U.S. State Department is not in charge of directing U.S. cargo, the market is,&8221; Tyson Slocum, director of Public Citizen&8217;s Energy & Climate Program, said during a press conference held by the Louisiana Bucket Brigade on the topic of expanding LNG exports.

He also pointed out that expanding the capacity to export LNG will take at least four years, both for the exporters, and the importers. Lengthy construction timelines, coupled with pressure from climate advocates on regulators to deny new permits when the need to transition toward renewable energy is no longer up for debate, will turn newly constructed projects into stranded assets.

The War In Ukraine Is a Climate Story

During a March 16 panel discussion[15] about the war in Ukraine&8217;s connection to climate change, Mark Hertsgaard, founder of the media advocacy organization Covering Climate Now[16], pointed out that the war in Ukraine is giving those touting a &8220;drill baby drill&8221; agenda, whatever the facts may be, a platform once again. Less than two weeks later Biden&8217;s action proved him right.

Since war likely contributed to the scarcity of reporting on February&8217;s harrowing Intergovernmental Panel on Climate Change (***IPCC***) report[17], the panel discussed ways of incorporating the existential threat of climate change that the report spells out, when reporting on the war, and why climate reporting remains paramount.

&8220;The climate justice movement has won all the arguments for transformational action,&8221; panelist Naomi Klein, senior correspondent for The Intercept, warned. &8220;What we risk losing, in the fog of war, is our nerve. Because nothing changes the subject like extreme violence, even violence that is being actively subsidized by the soaring price of oil.&8221;

For inspiration in staying on course reporting climate issues, she cited the head of the Ukrainian delegation to the ***IPCC***, Svitlana Krakovska[18], who reportedly told colleagues in a closed-door ***IPCC*** meeting, &8220;We will not surrender in Ukraine. And we hope the world will not surrender in building a climate-resilient future.&8221; Krakovska&8217;s comments were so strong that a Russian delegate on the panel apologized for his country&8217;s actions.

Today the ***IPCC*** released another segment of its report[19] that stresses the urgency to move away from fossil fuels now. &8220;Half measures will not halve emissions by 2030,&8221; Inger Andersen, Undersecretary of the United Nations said when the report was released.

Watching &8294;@***IPCC***\_CH[20]&8297; presser now. UN Sec Gen. &8294;@antonioguterres[21]&8297; delivers starkest warning to date. &8220;The jury has reached a verdict and it is damning&8230;we are on a fast track to climate disaster.&8221; [live tweet thread{ pic.twitter .com/Y2k9zl0U8F[22] &8212; Dr. Sandra Steingraber (@ssteingraber1) April 4, 2022[23];

Gulf Coast residents like the Dardars are already dealing with the impacts of the climate crisis that February&8217;s ***IPCC*** report warns about. On top of that, they are now at risk of being displaced by the very industry that is accelerating global warming.

Venture Global Calcasieu Pass LNG export facility in Cameron. Credit: Julie Dermansky

&8220;I watched the environment go to shit,&8221; Travis told me as the sun set in Cameron after taking me out on the water. &8220;It sucks to see no future with this going on.&8221; His words echoed the ***IPCC***&8217;s waring that if we delay taking action to reduce carbon emissions, the catastrophic impacts of climate change would make our world unrecognizable.

The post Biden&8217;s Call to Increase LNG Export Capacity on Gulf Coast is Tantamount To Sarah Palin&8217;s Call to &8216;Drill Baby Drill&8217; According to Environmental Advocates[24] appeared first on DeSmog[25].

[ 1]: [*https://commonwealthlng.com*](https://commonwealthlng.com) /company/ [ 2]: [*https://www.desmog.com/2021/12/21/2021-year-in-photos-front-lines-climate-crisis/*](https://www.desmog.com/2021/12/21/2021-year-in-photos-front-lines-climate-crisis/) [ 3]: [*https://edms.deq.louisiana.gov/app/doc/view?doc=13175077*](https://edms.deq.louisiana.gov/app/doc/view?doc=13175077) [ 4]: [*https://edms.deq.louisiana.gov/app/doc/view?doc=13186096*](https://edms.deq.louisiana.gov/app/doc/view?doc=13186096) [ 5]: [*https://www.federalregister.gov/documents/2022/02/15/2022-03214/venture-global-cp2-lng-llc-venture-global-cp-express-llc-notice-of-intent-to-prepare-an*](https://www.federalregister.gov/documents/2022/02/15/2022-03214/venture-global-cp2-lng-llc-venture-global-cp-express-llc-notice-of-intent-to-prepare-an) [ 6]: [*https://www.desmog.com/2019/04/20/critics-louisiana-highjacked-climate-resettlement-plan-isle-de-jean-charles-tribe/*](https://www.desmog.com/2019/04/20/critics-louisiana-highjacked-climate-resettlement-plan-isle-de-jean-charles-tribe/) [ 7]: [*https://www.desmog.com/2020/05/22/isle-de-jean-charles-tribe-louisiana-resettlement-construction/*](https://www.desmog.com/2020/05/22/isle-de-jean-charles-tribe-louisiana-resettlement-construction/) [ 8]: [*https://www.desmog.com/2019/01/11/isle-de-jean-charles-tribe-turns-down-funds-relocate-climate-refugees-louisiana/*](https://www.desmog.com/2019/01/11/isle-de-jean-charles-tribe-turns-down-funds-relocate-climate-refugees-louisiana/) [ 9]: [*https://edms.deq.louisiana.gov/app/doc/view?doc=13199612*](https://edms.deq.louisiana.gov/app/doc/view?doc=13199612) [ 10]: [*https://www.desmog.com/2019/06/03/oil-change-international-natural-gas-not-bridge-fuel/*](https://www.desmog.com/2019/06/03/oil-change-international-natural-gas-not-bridge-fuel/) [ 11]: [*https://www.desmog.com/2020/01/30/sharon-wilson-methane-leaks-permian-basin-oilfields/*](https://www.desmog.com/2020/01/30/sharon-wilson-methane-leaks-permian-basin-oilfields/) [ 12]: [*https://joebiden.com/climate-plan*](https://joebiden.com/climate-plan)/ [ 13]: [*https://docs.google.com/forms/d/e/1FAIpQLSeWnCO5RsxdKJc8orIF-tTpMbzlnHyiSm\_1lty3cYBF\_gd86A/viewform*](https://docs.google.com/forms/d/e/1FAIpQLSeWnCO5RsxdKJc8orIF-tTpMbzlnHyiSm_1lty3cYBF_gd86A/viewform) [ 14]: [*https://www.bloomberg.com/news/articles/2022-03-24/u-s-set-to-ink-lng-deals-with-europe-soon-bank-of-america-says*](https://www.bloomberg.com/news/articles/2022-03-24/u-s-set-to-ink-lng-deals-with-europe-soon-bank-of-america-says) [ 15]: [*https://coveringclimatenow.org/event/talking-shop-war-oil-and-crimes-reporting-the-new-climate-story/*](https://coveringclimatenow.org/event/talking-shop-war-oil-and-crimes-reporting-the-new-climate-story/) [ 16]: [*https://coveringclimatenow.org*](https://coveringclimatenow.org) [ 17]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-ii/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-ii/) [ 18]: [*https://www.desmog.com/2022/03/23/oil-gas-propaganda-war-ukraine-profiteering-climate-change/*](https://www.desmog.com/2022/03/23/oil-gas-propaganda-war-ukraine-profiteering-climate-change/) [ 19]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-3/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-3/) [ 20]: [*https://twitter.com/****IPCC****\_CH?ref\_src=twsrc%5Etfw*](https://twitter.com/IPCC_CH?ref_src=twsrc%5Etfw) [ 21]: [*https://twitter.com/antonioguterres?ref\_src=twsrc%5Etfw*](https://twitter.com/antonioguterres?ref_src=twsrc%5Etfw) [ 22]: [*https://t.co/Y2k9zl0U8F*](https://t.co/Y2k9zl0U8F) [ 23]: [*https://twitter.com/ssteingraber1/status/1510998743033733120?ref\_src=twsrc%5Etfw*](https://twitter.com/ssteingraber1/status/1510998743033733120?ref_src=twsrc%5Etfw) [ 24]: [*https://www.desmog.com/2022/04/04/louisiana-oil-gas-export-fracking-pollution-ldeq-lng-venture-global-commonwealth/*](https://www.desmog.com/2022/04/04/louisiana-oil-gas-export-fracking-pollution-ldeq-lng-venture-global-commonwealth/) [ 25]: [*https://www.desmog.com*](https://www.desmog.com)

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Newstex Blogs

Blue Virginia

April 6, 2022 Wednesday 11:11 AM EST

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**Length:** 292 words

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Apr 05, 2022( Blue Virginia: [*http://bluevirginia.us*](http://bluevirginia.us)/ Delivered by Newstex)

So...despite their relentless "both sides"/false equivalence reporting, Republicans still don't trust them. Almost at all. Great job, media! [*https://bluevirginia.us/2022/04/tuesday-news-new-****ipcc****-report-says-its-fossil-fuels-or-our-future-zelenskyy-to-address-u-n-amid-outrage-over-bucha-desantiss-threats-to-disney-is-what-post-trump-authoritarianism-look#comment-5818524042*](https://bluevirginia.us/2022/04/tuesday-news-new-ipcc-report-says-its-fossil-fuels-or-our-future-zelenskyy-to-address-u-n-amid-outrage-over-bucha-desantiss-threats-to-disney-is-what-post-trump-authoritarianism-look#comment-5818524042) [*https://twitter.com/bluevirginia/status/1511495444920213504*](https://twitter.com/bluevirginia/status/1511495444920213504)

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So...despite their relentless "both sides"/false equivalence reporting, Republicans still don't trust them. Almost at all. Great job, media! [*https://bluevirginia.us/2022/04/tuesday-news-new-****ipcc****-report-says-its-fossil-fuels-or-our-future-zelenskyy-to-address-u-n-amid-outrage-over-bucha-desantiss-threats-to-disney-is-what-post-trump-authoritarianism-look#comment-5818524042*](https://bluevirginia.us/2022/04/tuesday-news-new-ipcc-report-says-its-fossil-fuels-or-our-future-zelenskyy-to-address-u-n-amid-outrage-over-bucha-desantiss-threats-to-disney-is-what-post-trump-authoritarianism-look#comment-5818524042) [*https://twitter.com/bluevirginia/status/1511495444920213504*](https://twitter.com/bluevirginia/status/1511495444920213504)

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Hodges' Model: Welcome to the QUAD

April 4, 2022 Monday 5:45 PM EST

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Apr 04, 2022( Hodges' Model: Welcome to the QUAD: [*http://hodges-model.blogspot.co.uk*](http://hodges-model.blogspot.co.uk)/ Delivered by Newstex)

INDIVIDUAL | INTERPERSONAL : SCIENCES HUMANISTIC -------------------------------------- MECHANISTIC SOCIOLOGY : POLITICAL | GROUP

[*https://edition.cnn.com/2021/10/20/world/carbon-capture-storage-climate-iceland-intl-cmd/index.html*](https://edition.cnn.com/2021/10/20/world/carbon-capture-storage-climate-iceland-intl-cmd/index.html) [*https://edition.cnn.com/2021/10/20/world/carbon-capture-storage-climate-iceland-intl-cmd/index.html*](https://edition.cnn.com/2021/10/20/world/carbon-capture-storage-climate-iceland-intl-cmd/index.html)

HOT air?\*

[*https://www.un.org/en/climatechange/reports*](https://www.un.org/en/climatechange/reports) Climate Change 2022: Mitigation of Climate Change, ***IPCC***, 2022.[1]

\*We hope not ...

[ 1]: [*https://www.un.org/en/climatechange/reports*](https://www.un.org/en/climatechange/reports)

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[***For Investors With Net Zero Commitments, the SEC's Proposed Mandatory Climate Disclosure Rule Is Crucial***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6561-GD31-F03R-N499-00000-00&context=1516831)

Newstex Blogs

3BL Blogs

April 8, 2022 Friday 9:20 PM EST

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**Length:** 1522 words

**Byline:** ceres

**Body**

Apr 08, 2022( 3BL Blogs: [*http://3blmedia.com*](http://3blmedia.com)/ Delivered by Newstex)

By Rev. Kirsten Snow Spalding, Senior Program Director, Investor Network

With its landmark new draft rule, the U.S. Securities and Exchange Commission has taken a critical step in making our markets more secure and reducing financial risks by proposing that climate risk disclosure be mandatory for all publicly traded companies.

The SEC's proposed Enhancement and Standardization of Climate-Related Disclosures for Investors[1] comes at a time when investors are clamoring for disclosure of corporate climate risk by filing a record 209 shareholder resolutions on climate-related matters and engaging with companies like never before to accelerate the transition to a net zero emissions, clean energy economy.

For investors who have committed to supporting the goal of net zero emissions by 2050 or sooner by joining the Net Zero Asset Managers Initiative[2], the Paris-aligned Investor Asset Owner Commitment[3] and the Net Zero Asset Owners Alliance[4], this draft rule is absolutely critical. Without clear and comparable climate disclosures from companies, investors cannot evaluate climate risks for individual holdings or make plans to address the systemic risks of climate change across their portfolios and the real economy.

Investors are making net zero commitments for themselves and demanding that companies issue greenhouse gas reduction targets and transition plans for meeting those targets. Investors want corporate climate risk disclosure because they recognize that the material financial risks and actual financial losses related to the climate crisis are a reality for companies across nearly every industry. They want to protect their investments by knowing the risks they face.

The draft SEC rule recognizes that these risks are material to financial well-being and should be disclosed as part of companies' 10-K financial filings to the SEC to keep investors informed and equipped to make sound investment decisions.

Making climate risk disclosures part of required financial filings will dramatically improve the quality of data for investors and allow them to create scenario analyses for their portfolios, address risks across critical sectors, and develop their own Investor Climate Action Plans (ICAPs) for transitioning their portfolios and investment strategies without the uncertainty and expense of risk models that are based on incomplete and unverified data.

Investors can provide supportive comments to the SEC[5] during the comment period, which will run to May 20, to ensure that the final rule reflects investors' priorities. For net zero pledging investors, these comments are critical to the investors' success in meeting their own targets and long-term goals. For more information and to find out how investors and other stakeholders can share their opinions, go to ceres.org/sec[6].

Some important areas investors should pay attention to and may want to comment on include:

The proposed rule's foundation. The proposal is based on the recommendations of the Task Force on Climate-related Financial Disclosures[7] (TCFD), which was developed by the private sector and has been endorsed by more than 3,000 companies and investors globally. The proposed rule's usefulness. The proposed disclosures would provide insights into companies' climate risk exposure and risk management strategies—by requiring both greenhouse gas emissions disclosures and forward-looking disclosures (such as targets, transition plans, and scenario analysis, if they exist). Investors should comment on their need to manage existing climate risks and align their corporate engagement and portfolio construction strategies to create long-term value across their portfolios. What the proposed rule standardizes. The proposal standardizes disclosure of targets, transition plans, scenario analysis and internal carbon pricing, if these are tools used by issuers. How the proposed rule approaches scope 1, 2, and 3 emissions. The proposed rule includes scope 1, 2, and 3 greenhouse gas emissions with a phase-in of compliance requirements to allow issuers time to prepare and to provide information that investors need to assess the full range of climate financial risks facing companies. Scope 3 requirements are limited to certain filers, who disclose only if scope 3 is material or if it is included in a target, and these disclosures do not have to be assured. These accommodations respond directly to issuer concerns, but investors should comment on whether they lead to sufficient disclosures. The proposed rule and board governance. The proposed rule requires disclosure of corporate governance of climate risk, including board and management oversight, links to enterprise risk management, and progress towards targets or goals. It also includes disclosure of how the board and management interact to oversee climate risk. These disclosures will be critical for investors as they explore how climate risks and corporate transition plans will be managed and measured at the highest levels of the company. Investors should evaluate the governance disclosure requirements and comment if they find gaps that could be strengthened. The proposed rule's specific reporting requirements. The proposed rule includes disclosure of the impact of climate risk on financial statement metrics, including financial impact, expenditure, and financial estimates and assumptions. This is included in a note to the financial statements that will be audited with the rest of the financial statement. This part of the proposal is crucial to ensure investors can see how climate risks are fully assessed for how they pose financial risks and cause financial impacts.

The proposed rule does not include all the disclosures that investors making net zero commitments will need to achieve their portfolio alignment goals. But it significantly improves upon existing SEC guidance for climate risk disclosure and reduces investor costs in developing climate risk models. It also brings the U.S. corporate disclosure regulations into closer alignment with the climate risk disclosure requirements in Europe, Canada, and elsewhere around the world and largely aligns with the draft climate standard of the IFRS' International Sustainability Standards Board (ISSB).

The latest Intergovernmental Panel on Climate Change (***IPCC***) reports that came out in February[8] and this month[9] are the starkest warnings yet: climate change is a threat multiplier that exacerbates risks to ecosystems, biodiversity, economies, and society. The reports affirm that the global climate crisis is worsening, and mitigation steps must be scaled up now by world governments, businesses, investors and individuals to accelerate real progress. Given that U.S. economy suffered $145 billion in climate-related extreme weather disasters last year, investors must both make their own net zero commitments and actively participate in the SEC rulemaking process, which will help them achieve these goals.

For more details and analysis of the proposed SEC rule, investors are invited to join a public briefing on the draft with SEC Chair Gensler and a respondent panel of investors and companies at 2 pm ET Tuesday, April 12. Register here[10].

[ 1]: [*https://www.sec.gov/rules/proposed/2022/33-11042.pdf*](https://www.sec.gov/rules/proposed/2022/33-11042.pdf) [ 2]: [*https://www.netzeroassetmanagers.org*](https://www.netzeroassetmanagers.org)/ [ 3]: [*https://www.parisalignedinvestment.org/media/2021/03/PAII-Net-Zero-Asset-Owner-Commitment-Statement.pdf*](https://www.parisalignedinvestment.org/media/2021/03/PAII-Net-Zero-Asset-Owner-Commitment-Statement.pdf) [ 4]: [*https://www.unepfi.org/net-zero-alliance*](https://www.unepfi.org/net-zero-alliance)/ [ 5]: [*https://www.sec.gov/comments/s7-10-22/s71022.htm*](https://www.sec.gov/comments/s7-10-22/s71022.htm) [ 6]: [*https://ceres.org/sec*](https://ceres.org/sec) [ 7]: [*https://www.fsb-tcfd.org*](https://www.fsb-tcfd.org)/ [ 8]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-ii/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-ii/) [ 9]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-3/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-3/) [ 10]: [*https://ceres-org.zoom.us/webinar/register/1616484789760/WN\_hm60OHYxQRuBehO2EtqM-A*](https://ceres-org.zoom.us/webinar/register/1616484789760/WN_hm60OHYxQRuBehO2EtqM-A)

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[***Scientists risk arrest to sound climate alarm***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6550-7XV1-F03R-N44Y-00000-00&context=1516831)

Newstex Blogs

The Dawn

April 4, 2022 Monday 5:30 AM EST

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**Length:** 756 words

**Byline:** AFP

**Body**

Apr 04, 2022( The Dawn: [*http://www.dawn.com*](http://www.dawn.com) Delivered by Newstex)

PARIS: A loosely federated network of scientists in more than two dozen countries plan acts of civil disobedience starting this week to highlight the climate crisis, members of Scientist Rebellion said.

Their non-violent actions are timed to the release on Monday of a landmark report from the UN's climate science advisory panel laying out options for slashing carbon pollution and controversial schemes for extracting CO2 from the air, they said in interviews.

Scientist Rebellion targets universities, research institutes and major scientific journals, prodding them and their staff to speak out more forcefully on what they describe as the existential threat of global warming.

'Scientists are particularly powerful messengers, and we have a responsibility to show leadership,' said Charlie Gardner, a conservation scientist at the University of Kent specialised in tropical biodiversity.

'We are failing in that responsibility. If we say it's an emergency, we have to act like it is.' Starting on Monday, the group hopes to see 'high levels of disobedience' with more than 1,000 scientists worldwide taking part in direct non-violent action against government and academic institutions. The world has seen a crescendo of deadly extreme weather amplified by rising temperatures — heatwaves, wildfires, flooding, storms engorged by rising seas — and a torrent of recent climate science projects worse to come. Much of that research is distilled in periodic reports from the UN's Intergovernmental Panel On Climate Change (***IPCC***).

Scientist Rebellion was founded in 2020 by two physics PhD students at St Andrews College in Scotland, inspired in part by the more broadly based Extinction Rebellion.

The group's first significant action with more than 100 scientists, in March 2021, targeted the British Royal Society and science publishing behemoth Springer Nature.

'We basically pasted enlarged copies of their journal articles calling for rapid transformative change onto their offices,' said Kyle Topher, an environmental scientist from Australia and full-time activist for the group.

'It is survival'

Last year's COP26 climate summit in Glasgow saw a score of their members arrested.

'As far as we know this was the first mass arrest of scientists anywhere in the world since Carl Sagan protested nuclear weapons testing in the 1980s,' said Gardner.

They also made headlines by leaking an early draft of Monday's ***IPCC*** report, which warned that carbon dioxide emissions need to peak within three years if the world is to keep the Paris Agreement targets for global warming in reach.

'As scientists, we tend to be risk averse — we don't want to risk our jobs, our reputations, and our time,' said Rose Abramoff, a soil scientist at Oak Ridge National Laboratory in Knoxville, Tennessee and a Scientist Rebellion member.

'But it is no longer sufficient to do our research and expect others to read it and understand the severity and urgency of the climate crisis.' The aim of the group is to 'make this crisis impossible to ignore', she added.

Many of its members are in the Global South, where climate change protests up to now have been more muted, even if the impacts are more keenly felt.

Published in Dawn, April 4th, 2022

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[***Faltering Thursday - Fed's Hawkish Minutes do not Help the Market***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655P-9NB1-JCMN-Y3D7-00000-00&context=1516831)

Newstex Blogs

Phil's Stock World

April 7, 2022 Thursday 12:06 PM EST

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**Length:** 751 words

**Byline:** phil

**Body**

Apr 07, 2022( Phil's Stock World: [*http://www.philstockworld.com*](http://www.philstockworld.com) Delivered by Newstex)

2%.

That's the target rate for the end of the year so 1.5% to go is a lot of rate hiking and many members of the FOMC would like to go with a 0.5% hike at the next meeting on May 3rd and they kind of have to - because there's only 5 meetings after that[1]. We had a long discussion about it in yesterday's Live Trading Webinar ("Deep Dive into Rates and FOMC Minutes[2]"), so I'm not going to get into it again this morning but, to sume it up - "Everything isproceedingas I have foreseen[3]" which, unfortunately, is not a great thing.

What remains to be seen is how the Bond Market will react to the Fed fixing their balance sheet reduction at $95Bn per month and it makes us wonder who is going to be buying Treasuries if the Fed is going to stop? At the moment, we have Russian Oiligarchs clamoring for liquid US Funds so we have no problem selling notes to their proxies (oh grow up if you think that's not happening!) but what happens when we have to have real auctions - how much will the US have to pay to borrow thenext $3.5Tn that's budgeted over the next 12 months.

And that deficit is WITHOUT addressing Climate Change which, according to the UN's Intergovernmental Panel on Climate Change[4](***IPCC***), the US alone will need to commit $2Tn per year between now and 2030 in order to meet our goals of halving emissions by then. That's 10% of our GDP and most countries need to do the same and, so far, none are.

According to the report, we have passed the window where we can hold Global Warming down to 1.5 degrees Celcius - which is where we needed to be to avoid catastrophic consequences that will cost us more than $2Tn per year to deal with - like the partial orcomplete loss (in 25 years)of[5] Miami, New Orleans, New York, Atlantic City, Key West, Galveston, Seattle, Los Angeles, Charleston, San Diego, Fort Lauderdale, Hoboken, Honolulu

This IS happening people and they are talking 2050 - so maybe not so smart to take a 30-year mortgage on new homes near the coast and now we're not being future smart financially since not spending $2Tn now for 10 years is going to cost us $2Tn forever after as we will have to wall up our coastal cities to try to keep the sea out while our crops fail and our waterways dry up and they'll have to start using Category 6 and 7 to describe hurricanes, etc.

Ultimately, the money WILL be spent, it's just a question of when and doesn't it make more sense to spent it now to avert a catastrope than spend it later to clean up the catastrophe we could have prevented? Logic says yes but the GOP, unfortunately, says no and so, our children will suffer - badly.

IN PROGRESS

[ 1]: [*https://www.federalreserve.gov/monetarypolicy/fomccalendars.htm*](https://www.federalreserve.gov/monetarypolicy/fomccalendars.htm) [ 2]: [*https://www.philstockworld.com/2022/04/07/psws-live-weekly-webinar-11/*](https://www.philstockworld.com/2022/04/07/psws-live-weekly-webinar-11/) [ 3]: [*https://www.youtube.com/watch?v=O2F91Up9fT8*](https://www.youtube.com/watch?v=O2F91Up9fT8) [ 4]: [*https://www.philstockworld.com/2022/04/07/faltering-thursday-feds-hawkish-minutes-do-not-help-the-market/'https:/www.****ipcc****.ch/'*](https://www.philstockworld.com/2022/04/07/faltering-thursday-feds-hawkish-minutes-do-not-help-the-market/'https:/www.ipcc.ch/') [ 5]: [*https://www.philstockworld.com/2022/04/07/faltering-thursday-feds-hawkish-minutes-do-not-help-the-market/'https:/www.thetravel.com/15-usa-cities-that-will-be-underwater-by-2050-10-already-on-the-ocean-floor/'*](https://www.philstockworld.com/2022/04/07/faltering-thursday-feds-hawkish-minutes-do-not-help-the-market/'https:/www.thetravel.com/15-usa-cities-that-will-be-underwater-by-2050-10-already-on-the-ocean-floor/')

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[***Still Time To Avoid A Climate Catastrophe - But Not Much***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655M-WF51-JCMN-Y27Y-00000-00&context=1516831)

Newstex Blogs

jobsanger

April 7, 2022 Thursday 5:11 AM EST

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**Length:** 891 words

**Byline:** Ted McLaughlin

**Body**

Apr 07, 2022( jobsanger: [*http://jobsanger.blogspot.com*](http://jobsanger.blogspot.com)/ Delivered by Newstex)

[*https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhCFDbKNfWB9bW6BXhcjMhUfEKKGV0Cb0lCaWsGF4AvbQ3I3jWmKljVDC5f6EG-PDD-GDbTqx\_5wZKOJR2yrg6HQbo\_hYSaMKhwCSFwPWK5Nc7MrTZuzbonnxbY\_jnTsa1XUm43k3t03Aq1T3ma-JQYsJnO243JGIzhA7L3ThmttC2AgjrD2Uo/s700/global%20warming.jpg*](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhCFDbKNfWB9bW6BXhcjMhUfEKKGV0Cb0lCaWsGF4AvbQ3I3jWmKljVDC5f6EG-PDD-GDbTqx_5wZKOJR2yrg6HQbo_hYSaMKhwCSFwPWK5Nc7MrTZuzbonnxbY_jnTsa1XUm43k3t03Aq1T3ma-JQYsJnO243JGIzhA7L3ThmttC2AgjrD2Uo/s700/global%20warming.jpg)

The following is from the editorial board[1] of The Washington Post:

Every half-decade or so, the United Nations' Intergovernmental Panel on Climate Change releases an authoritative report on climate change, reflecting the consensus view among a vast number of experts and government officials. Thelatest installment[2], on the path humanity must take to avoid punishing climate consequences, came out on Monday. Another analysis filled with dire warnings, the latest report might seem depressing — or, depending on one's point of view, encouraging.

The report found that humanity has used up almost its entire budget of heat-trapping greenhouse gas emissions if the planet is to avoid warming of more than 1.5 degrees Celsius, the threshold scientists warn the average global temperature should not surpass. Another decade of emissions at the level between 2010 and 2019 would expend nearly all of the rest. With the policies in place as of 2020, the world will warm 3.2 degrees Celsius. If nations meet the commitments they made under the landmark Paris agreement, they would nudge that down to 2.8 degrees. To get on track, global emissions must peak before 2025, then decline rapidly.

Sounds grim. The encouraging part is that progress is still possible — easier, in fact, than one would have expected even a decade ago. The cost of renewables such as wind and solar has plummeted. Battery technology has improved. Some 18 countries have cut their emissions for 10 years straight. The pathway is clearer now than it has ever been. Cheaper renewables need to be deployed quickly and at massive scale, with continued government aid. Building standards must cut energy waste from the built environment. Cities must require better public transportation and non-car infrastructure. Electric vehicles must become the norm and run on a cleaner energy grid. Better technology and less wasteful behavior could cut energy needs by half by 2050.

Further research will have to fill in a few gaps. Planes and ships might have to run on hydrogen. Industrial processes such as cement-making require improvements in chemistry. There might be some sectors that never decarbonize fully.

To offset these, countries will have to remove carbon dioxide directly from the air. The easiest way to do this is to stop cutting down trees and other plant life — and, indeed, to grow more. More outlandish ideas include 'fertilizing' the ocean to induce CO2-gobbling plankton to proliferate, an idea that the report warns could have unintended effects on ocean ecosystems.

Indeed, governments will have to be mindful of myriad trade-offs. Using more land for solar farms and tree-growing means that it cannot be used to grow food for an expanding world population, so agricultural intensity will have to improve. Some people in legacy fossil fuel industries will lose jobs, even as employment expands in other sectors. Governments will have to subsidize research budgets and ensure that money flows into renewables. All told, the report concludes, the costs might mean that world gross domestic product is a few percentage points lower in 2050 — not accounting for the value of the environmental destruction avoided. But those benefits would far outweigh the costs.

The United Stateshas rejoined[3]the Paris agreement, and Congress is considering major climate legislation. As it has on the fight for democracy in Ukraine and a host of other global issues, it is time for the United States to lead again.

[ 1]: [*https://www.washingtonpost.com/opinions/2022/04/05/actually-humanity-can-still-avoid-climate-catastrophe/*](https://www.washingtonpost.com/opinions/2022/04/05/actually-humanity-can-still-avoid-climate-catastrophe/) [ 2]: [*https://report.****ipcc****.ch/ar6wg3/pdf/****IPCC****\_AR6\_WGIII\_SummaryForPolicymakers.pdf*](https://report.ipcc.ch/ar6wg3/pdf/IPCC_AR6_WGIII_SummaryForPolicymakers.pdf) [ 3]: [*https://www.state.gov/the-united-states-officially-rejoins-the-paris-agreement*](https://www.state.gov/the-united-states-officially-rejoins-the-paris-agreement)/

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[***Scientists Hit the Streets***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656J-3V91-F03R-N24N-00000-00&context=1516831)

Newstex Blogs

Dissident Voice

April 11, 2022 Monday 5:12 PM EST

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**Length:** 1009 words

**Byline:** Robert Hunziker

**Body**

Apr 11, 2022( Dissident Voice: [*http://www.dissidentvoice.org*](http://www.dissidentvoice.org) Delivered by Newstex)

A revolutionary slogan by climate scientists '1.5C is Dead - Climate Revolution Now!' emblazoned the streets of the world on April 6th spawned by the Sixth Assessment Report, Mitigation of Climate Change, Intergovernmental Panel on Climate Change (***IPCC***) released April 4th.

Overnight, civil disobedience by climate scientists erupted in 25 countries on every continent enraged that the ***IPCC*** report was 'watered down' at the behest of governments that are 'unwilling to phase out fossil fuels.'

Wednesday, April 6th will go down in history, as Global Warming Bastille Day marked by the world's largest ever protests by scientists sick and tired of mealy-mouthed responses by governments that cater to the fossil fuel wealth syndrome that intentionally misleads the public and pays off politicians to keep pumping oil regardless of massive ecological destruction.

Scientists have had enough. They are fighting mad and striking back by hitting the streets, chaining themselves to government and private industry buildings, gates, bridges, and entryways in bold demonstrations to stop fossil fuel dead in its tracks.

Scientists chained themselves to the front door of the JP Morgan Chase building in downtown LA. The bank is the world's leading funder of oil and gas projects.

Climate scientists chained themselves to the White House fence demanded that President Biden declare a 'climate emergency.'

Scientists splashed red paint on the steps of the Congress of Deputies in Madrid and blocked a bridge near Germany's parliament building calling out 'political mismanagement' and 'lies' and 'business as usual' destroying the planet's ecosystems.

An op-ed in The Guardian declared: 'Earth breakdown is much worse than most people realize.'

And, that is a primary issue and major catalyst for rebellion by scientists throughout the world. They see the breakdown; they measure it; they live with data that shows rapid deterioration of the planet's life-giving ecosystems. Deterioration is pronounced and advanced beyond climate models. The survival of the planet is at stake.

In a letter to President Joe Biden 275 scientists demanded: 'Follow the Science, Stop Fossil Fuels.' Food & Water Watch, along with the group of climate scientists, coordinated this effort, including scientists Peter Kalmus (NASA Jet Propulsion Laboratory), Sandra Steingraber (American biologist), Robert Howarth (Cornell University), Mark Jacobson (Stanford University), and Michael Mann (Penn State).

President Biden was urged to 'build a renewable energy economy' by exercising his 'executive authority to redirect these massive investments, mobilize the country, and rally the global community around a program of energy security through a rapid transition from fossil fuels to renewable energy.'

'We urge you to lead boldly, take on the fossil fuel titans, and rally the country towards a renewable energy future,'

At Shell's London headquarters scientists used modified fire extinguishers to spray biodegradable fake oil on the building's faade.

Microbiologist Abi Perrin, taking part in the London action, said:

I'm here today because I'm so frightened by seeing the stark warnings of the world's scientists being ignored and suppressed by governments and powerful corporations who are putting economic growth and short-term profit above the survival of life on Earth. I am joining hundreds of scientists across the globe taking similar actions today, in the hope that this will help in some small way to change the course that we are on. Shell has known about the harm their products and activities cause since before I was born, yet throughout my lifetime they have kept expanding their fossil fuel operations, wrecking lives, communities, ecosystems, the world's climate and our prospects for the future in the process. 1[1]

Extinction Rebellion is the world leader via civil disobedience holding governments responsible for fossil fuel destruction.

Extinction Rebellion's key demands are:

Government must tell the truth by declaring a climate and ecological emergency, working with other institutions to communicate the urgency for change. Government must act now to halt biodiversity loss and reduce greenhouse gas emissions to net zero by 2025. Government must create and be led by the decisions of a Citizens' Assembly on climate and ecological justice.

Net zero by 2025!

Breaking: 'Scientists and Academics Throw Fake Oil Over Shell Hq', Extinction Rebellion.uk, April 5, 2022.The post Scientists Hit the Streets[2] first appeared on Dissident Voice[3].

[ 1]: [*https://dissidentvoice.org/2022/04/scientists-hit-the-streets/#footnote\_0\_128712*](https://dissidentvoice.org/2022/04/scientists-hit-the-streets/#footnote_0_128712) [ 2]: [*https://dissidentvoice.org/2022/04/scientists-hit-the-streets/*](https://dissidentvoice.org/2022/04/scientists-hit-the-streets/) [ 3]: [*https://dissidentvoice.org*](https://dissidentvoice.org)

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[***University of #Wyoming scholar says latest UN #climate report finally connects climate with #SocialJustice — Wyoming Public Radio***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6564-4MP1-JCMN-Y350-00000-00&context=1516831)

Newstex Blogs

Coyote Gulch

April 9, 2022 Saturday 2:50 PM EST

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**Length:** 439 words

**Byline:** Coyote Gulch

**Body**

Apr 09, 2022( Coyote Gulch: https://coyotegulch.blog/ Delivered by Newstex)

[*https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/03/NativeLandLoss.gif?ssl=1Native*](https://i0.wp.com/coyotegulch.blog/wp-content/uploads/2022/03/NativeLandLoss.gif?ssl=1Native) land loss 1776 to 1930. Credit: Alvin Chang/Ranjani Chakraborty

Click the link to read the article on the Wyoming Public Radio website[1] (Jeff Victor). Here's an excerpt:

The latest report[2] looks at the policy and lifestyle changes necessary to avert the worst effects. Those include radical changes to the energy system, the global economy and even the design of cities.

University of Wyoming assistant professor Matt Henry said this report does something else significant. It identifies colonialism and its legacy as driving forces for the warming atmosphere. Henry said colonizers industrialized earlier and contributed far more to climate change than the countries and peoples they colonized. Now, formally colonized people and indigenous communities stand to bear the brunt of the devastation.

'Those communities are especially vulnerable to climate change,' Henry said. 'So, you're more likely to, for example, be displaced from your home on the Gulf Coast when a hurricane hits if you're a person of color, if you're indigenous.'

[ 1]: [*https://www.wyomingpublicmedia.org/news/2022-04-08/uw-scholar-says-latest-un-climate-report-finally-connects-climate-with-social-justice*](https://www.wyomingpublicmedia.org/news/2022-04-08/uw-scholar-says-latest-un-climate-report-finally-connects-climate-with-social-justice) [ 2]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/)

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[***The little rule that could have a big impact on Connecticut's response to climate change***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656J-3V91-F03R-N3DY-00000-00&context=1516831)

Newstex Blogs

The Connecticut Mirror

April 11, 2022 Monday 2:35 PM EST

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**Length:** 1153 words

**Byline:** Ian McDonald

**Body**

Apr 11, 2022( The Connecticut Mirror: [*https://ctmirror.org*](https://ctmirror.org) Delivered by Newstex)

For many in my community and other communities around the region, the impact of grid operator ISO-New England's often abstruse rulemaking can be all too real. I have lived most of my life in Killingly, a lower income town with high asthma rates in northeastern Connecticut. We already have one large 20-year-old gas power plant here, with a second large plant having been proposed on a site roughly a mile from the first.

Despite what one might hear from the gas industry, these plants are major polluters. We know that living near a gas power plant increases the likelihood[1] of developing heart and lung disease, especially for the elderly and young. If the second project were to be built, both my young children and the other children in our town would be attending nearly all their schooling in close proximity to these two large plants. My mother-in-law is one of many in town who suffer from asthma, with which she was recently hospitalized. The pollution from a second large power plant could certainly exacerbate her ailment.

ISO-New England, our region's grid operator, conducts auctions that determine which power generators will get a secure portion of financing in exchange for guaranteeing they can provide a certain amount of power (capacity) to our electrical grid. This exchange is called a Capacity Supply Obligation or CSO. Companies like the one proposing the new Killingly plant find it critical to win a CSO in ISO-NE's auction in order to secure adequate financing to justify building, and often maintaining, a power plant.

In the most recent auction, the developer of the proposed Killingly plant was unable[2] to maintain their previously awarded CSO or attain a new one. Now, we await a final retraction of their proposal. That said, we still have concerns that these sorts of fossil fuel power plants are way overrepresented in ISO-NE's auction, despite their effects on the climate and public health. These plants especially impact lower income communities and communities of color where such projects are disproportionately sited.

With all this in mind, it was deeply disappointing to see the recent failure[3] by ISO-New England to request the roll back of the Minimum Offer Price Rule (MOPR) ahead of next year's auction, after a late stage amendment introduced by members of the gas industry. It is even more disappointing that our state has not opposed this delay.

This rule has privileged fossil fuel projects over renewables competing in ISO-NE's auction, making it much easier for power plants to win the CSO needed to get built or keep operating. ISO-NE's desire to postpone rolling back the MOPR is questionable given they have been aware of significant concerns around the exclusion of renewables and the artificial propping-up of fossil fuel power plants for at least ten years. Last year, ISO-NE said they would finally fix the rule but changed course and delayed their request to the Federal Energy Regulatory Commission it without any explicit demonstration of why the MOPR needed to remain in place. The MOPR has likely prevented renewable energy projects from being built, along with passing on some of the costs of unnecessary power plant projects to ratepayers.

Despite previously advocating to get rid of the MOPR and act on Connecticut's ambitious climate goals, Gov. Ned Lamont's administration has not taken a stand against this decision. One starts to wonder if this failure is more about maintaining reliability or the profit margins of energy companies. Have ISO-NE officials not registered the desperate pleas for action by U.N. climate scientists in the latest ***IPCC*** report[4], or missed all the truly terrifying global climate events of the past year? Closer to home, excessive rain, heat waves, hurricanes and sea level rise have already started hurting Connecticut[5]'s critical infrastructure, economy, and public safety.

We know wind turbines and solar panels, when paired with batteries or other clean energy storage, are cost competitive and reliable alternatives to fossil fuels. Scientists and engineers have made amazing strides in developing these clean energy technologies. Now it is time for our state to hold ISO-NE accountable, and make sure that we are able to grow the share of renewables in our regional energy market. Even though the Killingly plant looks less likely, the MOPR rule is still in place causing unnecessary pollution, binding us to volatile fossil fuel prices, and undermining our needed transition to a clean energy economy. Connecticut residents deserve better.

The Federal Energy Regulatory Commission (FERC) which oversees ISO-New England will soon decide on the MOPR. Governor Lamont and other New England Governors have the power to urge FERC to reject ISO-NE's request for delay. You may have never heard of ISO-New England or the Minimum Offer Price Rule, but they both have a significant impact on the health of our families and planet. Our Governor must urge FERC to end the MOPR immediately. It is the right thing to do and we can ill afford to wait.

Ian McDonald is a climate activist living in Killingly.

[ 1]: [*https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3385425/*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3385425/) [ 2]: [*https://ctmirror.org/2022/03/07/killingly-gas-power-plant-iso-new-england-auction-ferc/*](https://ctmirror.org/2022/03/07/killingly-gas-power-plant-iso-new-england-auction-ferc/) [ 3]: [*https://www.utilitydive.com/news/iso-ne-extend-mopr-uncertain-fate-ferc-new-england-renewable/618556/#:~:text=In%20a%20blow%20to%20renewable,next%20year%20as%20originally%20expected*](https://www.utilitydive.com/news/iso-ne-extend-mopr-uncertain-fate-ferc-new-england-renewable/618556/#:~:text=In%20a%20blow%20to%20renewable,next%20year%20as%20originally%20expected). [ 4]: [*https://www.****ipcc****.ch/report/ar6/wg2/*](https://www.ipcc.ch/report/ar6/wg2/) [ 5]: [*https://www.inquirer.com/business/groton-sea-level-rise-climate-change-flooding-20211113.html*](https://www.inquirer.com/business/groton-sea-level-rise-climate-change-flooding-20211113.html)

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[***Perubahan Iklim, Alarm dari Kerusakan Alam***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656G-R311-F03R-N1TN-00000-00&context=1516831)

Newstex Blogs

Mongabay.com - Indonesian

April 11, 2022 Monday 8:30 AM EST

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**Length:** 2031 words

**Byline:** Jay Fajar

**Body**

Apr 11, 2022( Mongabay.com - Indonesian: [*http://www.mongabay.co.id*](http://www.mongabay.co.id)/ Delivered by Newstex)

Bumi menghadapi banyak persoalan serius seperti badai, kelaparan, laut yang sekarat, udara yang tidak bisa dihirup, wabah akibat pemanasan global, bahkan juga ambruknya ekonomi, terjadinya konflik. Semua itu ada hubungannya dengan perubahan iklim. Ambisi-ambisi berlebihan dari pengambil keputusan yang ingin membangun legacy, mercusuar kota hebat, pembangunan raksasa, secara sadar atau tidak, yang tidak sama dalam mencermati alam, hasil akhirnya adalah alam dan lingkungannya menjadi rusak. Pencemaran industri ini perlu dikendalikan agar di tahun 2050 kenaikan gas rumah kaca (a.l.CO2) menjadi net zero sum atau jumlah pencemaran udara nol, hal itu seperti yang disepakati dunia dalam pertemuan Paris agreement 2015. Pada 2022, Indonesia berkomitmen untuk menangani perubahan iklim dengan berbagai macam dokumen perencanaan, panduan dan cara-cara menghitung kinerja agenda perubahan iklim, seperti yang tertuang dalam dokumen Updated Nationally Determined Contribution, Peta Jalan NDC, dll

Krisis iklim menjadi isu besar yang sedang hangat diperbincangkan, salah satunya di tataran organisasi keagamaan. Melalui kegiatan Seminar Pra-Muktamar Muhammadiyah dan Aisyiyah ke-45, Ketua Umum PP Muhammadiyah, Haedar Nashir mengatakan kesadaran tentang penyelamatan lingkungan dan alam akibat pembangunan yang sangat kapitalistik itu sesungguhnya dimulai ketika muncul gerakan zero growth di tahun 70-an.

Haedar menyebut bumi masih ada banyak persoalan serius seperti badai, kelaparan, laut yang sekarat, udara yang tidak bisa dihirup, wabah akibat pemanasan global, bahkan juga ambruknya ekonomi, terjadinya konflik akibat iklim.

Semuanya terkait dengan perubahan iklim global hasil atau produk negatif dari kebijakan-kebijakan manusia di berbagai negara.

'Alam dan lingkungan kita sedang berada di alarm oleh perubahan iklim dan kerusakan lingkungan yang sudah berlangsung lama, seiring dengan proses modernisasi dan pembangunan yang dilakukan oleh setiap bangsa dan negara, atau secara berjamaah ditingkat global,' terang Haedar dalam seminar bertajuk 'Perubahan Iklim dan Kesalehan Ekologi' yang diselenggarakan secara daring dan luring di Universitas Muhammadiyah Pontianak, Sabtu (09/04/2022).

Dia bahkan membandingkan kondisi saat ini dengan buku tentang The Uninhabitable Earth karya David Wallace Well yang bercerita tentang masa depan ketika bumi tidak lagi bisa dihuni oleh manusia. Karena manusia di era ini dengan segala alam pikirannya yang post modern, berparadigma iptek, namun sangat instrumental dan pragmatis.

Akhirnya melahirkan ancaman yang luar biasa dari perubahan iklim yang total, bahkan melebihi ancaman bom atau berbagai macam bentuk produk ancaman hasil manusia secara langsung. Hingga sampai pada kesimpulan yang pesimistik bahwa kehidupan berada di ambang kepunahan, menyerupai kiamat.

baca :Laporan ***IPCC*** Terbaru: Perubahan Iklim Ancam Kesejahteraan Manusia dan Kesehatan Bumi[1]

Sungai Bengawan Solo saat mengalami kekeringan di musim kemarau panjang. Foto: Falahi Mubarok/Mongabay Indonesia

Selain itu, karena ambisi-ambisi berlebihan dari pengambil keputusan yang ingin membangun legacy, mercusuar kota hebat, pembangunan raksasa, secara sadar atau tidak, yang tidak sama dalam mencermati alam. Hasil akhirnya adalah alam dan lingkungannya menjadi rusak, termasuk di dalamnya, makhluk hidup, tanaman, dan berbagai macam ciptaan Allah sampai pada jasad atau makhluk yang tidak bisa dilihat karena kecilnya.

Dalam menyikapi, memandang, dan serta memperlakukan alam, lanjut suami dari Siti Noordjannah Djohantini ini, disebutkan ada tiga paradigma dalam persepektif Al-Qur'an. Pertama yaitu paradigma kekhalifahan yang berfungsi untuk memakmurkan bumi dan jangan sampai merusak. Kedua paradigma fasadah, yaitu hasrat, naluri, dan kemampuan ingin merusak.

Manusia jika sudah merasa sudah digdaya dengan ilmu pengetahuan dan teknologi, bahkan kekuasaan jika tidak mempunyai kontrol teologis keagamaan dan spiritual yang tinggi, maka dia akan menuruti hawa nafsunya, termasuk hawa nafsu yang berlebihan di dalam mengeksploitasi alam.

Berikutnya adalah paradigma nifak (hipokrit), dimana ada alam pikiran, ilmu, cara pandang, ada paradigma orang personal atau institusi, atas nama pembangunan, tetapi sejatinya merusak.

'Hidup tidak sekedar urusan dunia, fisik lahiriah, infrastruktur, dan hal-hal yang bersifat saintifik, tapi juga ada sesuatu yang bersifat ruhani, spiritual, dan metafisik. Bagi kami kaum beragama, setelah hidup di dunia itu adalah hidup di akhirat,' pungka Haedar.

Tanggung Jawab Bersama

Pada kesempatan yang sama, ekonom senior dan tokoh lingkungan hidup, Prof. Emil Salim menjelaskan, ada tiga krisis yang dihadapi di dunia sekarang ini, krisis pertama yang sedang dihadapi dunia yaitu virus COVID-19.

Berikutnya adalah perubahan iklim yang dimulai sejak revolusi industri. Akibat pencemaran industri itu hingga saat ini iklim di dunia mengalami kenaikan suhu bumi.

Pencemaran industri ini, lanjut Emil, perlu dikendalikan agar di tahun 2050 kenaikan gas rumah kaca (a.l.CO2) menjadi net zero sum atau jumlah pencemaran udara nol, hal itu seperti yang disepakati dunia dalam pertemuan Paris Agreement 2015.

Akan tetapi dalam laporan Inter-Gevemmental Panel on Climate Change atau ***IPCC*** pada bulan Februari 2022 menyimpulkan cita-cita ini tidak dicapai, bahkan kemungkinan besar bahwa net zero sum dipercepat tahun 2040.

baca juga :Tekan Dampak Perubahan Iklim Mulai dari Jamban, Seperti Apa?[2]

Petani padi gagal panen akibat kekeringan yang disebabkan oleh perubahan iklim. Foto: Falahi Mubarok/Mongabay Indonesia

Krisis selanjutnya yaitu krisis dehumanisasi ilmu. Menurut Emil, sejak revolusi industri itu terjadi pergeseran pengembangan dari sumber daya energi alami ke energi buatan manusia. Sementara yang diandalkan adalah kemampuan teknologi fisik seperti artificial intelligence atau menggantungkan kemampuan rasionalitas, sehingga religiusitas menjadi terabaikan.

'Perkembangan dunia mengarah keprikehidupan serba mekanik, machinal dan robotic yang serba mekanis tanpa rasa kehidupan budaya, sosial, dan juga agama,' terang pria yang pernah menjabat sebagai Menteri Pengawasan Pembangunan dan Lingkungan Hidup ini.

Akibat perubahan iklim itu sebagai negara tropis, kata Emil, Indonesia juga menghadapi berbagai tantangan seperti kelangkaan air minum, pertanian, pangan, kesehatan, dll. Untuk menghadapi ini diperlukan pendekatan lokal.

Tantangan lainnya yang sering terjadi adalah gempa bumi, tsunami, leutsan gunung api, banjir, tanah longsor, kekeringan, kebakaran hutan dan lahan, cuaca ekstrim, dan gelombang abrasi.

Karena belum tersebarnya ketrampilan dan keahlian sumber daya manusia dalam menghadapi bencana secara merata ini menjadikan tantangan tersendiri, sehingga di tingkat lokal pengembangan sumber daya manusia ini perlu ditingkatkan.

Emil menilai, hakekat krisis kehidupan dewasa ini adalah tidak serasinya perkembangan hidup material dengan spiritualitas manusia. Untuk itu, dia menekankan tantangan dan permasalahan pembangunan bangsa yang sedang dihadapi bersama ini juga menjadi tanggung jawab para cendekiawan muslim untuk mengajak cendikiawan agama-agama lainnya, untuk mengkaji sesuai dengan petunjuk dan ajaran Ilahi pada umat manusia.

baca juga :Perubahan Iklim Ancam Masa Depan Kopi Indonesia[3]

Warga melintas di jembatan nelayan dengan latar belakang cerobong asap industri di kawasan pesisir Kabupaten Gresik, Jawa Timur. Pencemaran industri ini perlu dikendalikan agar di tahun 2050 kenaikan gas rumah kaca (a.l.CO2) menjadi net zero sum atau jumlah pencemaran udara nol. Foto: Falahi Mubarok/Mongabay Indonesia

Upaya Pengendalian

Direktur Pengendalian Perubahan Iklim Kementerian Lingkungan Hidup dan Kehutanan (KLHK), Laksmi Dhewanti mengatakan, Indonesia menunjukkan komitmennya yang kuat, dalam mencapai lingkungan hidup yang berkelanjutan.

Sasaran pokoknya yaitu terwujudnya Indonesia yang asri dan lestari, yaitu membaiknya pengelolaan sumber daya alam, pelestarian lingkungan hidup untuk terjaganya fungsi, daya dukung dan kemampuan alam untuk memulihkan.

Dengan demikian alam dan lingkungan hidupnya bisa mendukung kualitas kehidupan sosial dan ekonomi yang bisa lebih serasi, seimbang dan lestari.

Selain itu, kekayaan keanekaragaman hayati seperti satwa dan tumbuhan juga bisa menjadi nilai tambah bagi bangsa Indonesia. 'Kalau kita tidak punya modal, sumber daya alam dengan nilai tambah baik, maka kita tidak akan bisa punya daya saing,' ujarnya.

Agenda berikutnya adalah meningkatkan kesadaran, sikap mental dan prilaku masyarakat. Menurut dia, dalam pengembangan kebijakan dan program selalu berdasarkan ilmu pengetahuan, riset dan inovasi.

Menurut dia, untuk agenda perubahan iklim ini sudah tidak lagi suka rela, tetapi sudah bagian dari kewajiban untuk melakukan upaya penurunan emisi gas rumah kaca dan peningkatan ketahanan iklim.

Di tahun 2022 pemerintah telah melengkapi dengan berbagai macam dokumen perencanaan, panduan dan cara-cara menghitung kinerja agenda perubahan iklim, seperti yang tertuang dalam dokumen Updated Nationally Determined Contribution, Long Term Strategy Low Carbon Climate Resilience 2050 (LTS-LCCR 2050), Peta Jalan NDC, dan juga melalui kebijakan FOLU Net Sink 2030 yang merupakan panduan bekerja.

'Untuk itu, dalam mencapai visi Indonesia 2045 diperlukan pondasi yang kuat dalam perlindungan lingkungan dan iklim,' kata Laksmi.

Dalam menjalankan program-program itu, lanjutnya, juga dibutuhkan keterlibatan semua pihak, lintas generasi, lintas disiplin maupun sektor, baik itu secara kolektif untuk ikut memikirkan inovasi dan solusi di seluruh bidang kehidupan.

bencana ekologis[4], bencana hidrometeorologi[5], covid-19[6], emisi karbon[7], Energi[8], featured[9], jakarta[10], kerusakan lingkungan[11], krisis iklim[12], paris agreement[13], pencemaran lingkungan[14], pertanian[15], Perubahan Iklim[16]

[ 1]: [*https://www.mongabay.co.id/2022/03/01/laporan-****ipcc****-terbaru-perubahan-iklim-ancam-kesejahteraan-manusia-dan-kesehatan-bumi/*](https://www.mongabay.co.id/2022/03/01/laporan-ipcc-terbaru-perubahan-iklim-ancam-kesejahteraan-manusia-dan-kesehatan-bumi/) [ 2]: [*https://www.mongabay.co.id/2020/12/23/tekan-dampak-perubahan-iklim-mulai-dari-jamban-seperti-apa/*](https://www.mongabay.co.id/2020/12/23/tekan-dampak-perubahan-iklim-mulai-dari-jamban-seperti-apa/) [ 3]: [*https://www.mongabay.co.id/2020/12/12/perubahan-iklim-ancam-masa-depan-kopi-indonesia/*](https://www.mongabay.co.id/2020/12/12/perubahan-iklim-ancam-masa-depan-kopi-indonesia/) [ 4]: [*https://www.mongabay.co.id/tag/bencana-ekologis/*](https://www.mongabay.co.id/tag/bencana-ekologis/) [ 5]: [*https://www.mongabay.co.id/tag/bencana-hidrometeorologi/*](https://www.mongabay.co.id/tag/bencana-hidrometeorologi/) [ 6]: [*https://www.mongabay.co.id/tag/covid-19/*](https://www.mongabay.co.id/tag/covid-19/) [ 7]: [*https://www.mongabay.co.id/tag/emisi-karbon/*](https://www.mongabay.co.id/tag/emisi-karbon/) [ 8]: [*https://www.mongabay.co.id/tag/energi/*](https://www.mongabay.co.id/tag/energi/) [ 9]: [*https://www.mongabay.co.id/tag/featured/*](https://www.mongabay.co.id/tag/featured/) [ 10]: [*https://www.mongabay.co.id/tag/jakarta/*](https://www.mongabay.co.id/tag/jakarta/) [ 11]: [*https://www.mongabay.co.id/tag/kerusakan-lingkungan/*](https://www.mongabay.co.id/tag/kerusakan-lingkungan/) [ 12]: [*https://www.mongabay.co.id/tag/krisis-iklim/*](https://www.mongabay.co.id/tag/krisis-iklim/) [ 13]: [*https://www.mongabay.co.id/tag/paris-agreement/*](https://www.mongabay.co.id/tag/paris-agreement/) [ 14]: [*https://www.mongabay.co.id/tag/pencemaran-lingkungan/*](https://www.mongabay.co.id/tag/pencemaran-lingkungan/) [ 15]: [*https://www.mongabay.co.id/tag/pertanian-2/*](https://www.mongabay.co.id/tag/pertanian-2/) [ 16]: [*https://www.mongabay.co.id/tag/perubahan-iklim/*](https://www.mongabay.co.id/tag/perubahan-iklim/)

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[***Atom-Nirbhar India: Nuclear energy is critical for the future. The civil liability clause deters foreign participation***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655K-BH51-DXJR-H1TM-00000-00&context=1516831)

TOI.com & ET.com Blogs

April 7, 2022 Thursday

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**Section:** BLOGS

**Length:** 435 words

**Byline:** TOI Edit

**Body**

Two recent developments have brought India's reliance on fossil fuel into sharp focus. The Russia-Ukraine conflict and the consequent surge in crude oil prices roiled the economy. Separately, the most recent ***IPCC*** report on climate highlighted the energy sector's large contribution to global warming. Both these developments need to be located in the context of India's pledge to get to net zero carbon emissions by 2070. Meeting this pledge requires an overhaul of both the logistics and electricity sectors to reduce reliance on fossil fuels.

Transitioning to renewables in energy is an important part of the solution. Within renewables, solar energy has been lavished with policy support. However, it won't be enough to meet the targets. Anil Kakodkar, former chairman of Atomic Energy Commission, had written in these pages that India can't meet its net-zero commitment without nuclear power. He's right. It's an area where India was off to an early start, developed relatively high indigenous capabilities in relation to other sectors, but subsequently let the ball drop. Today, nuclear power contributes a mere 3% of the total electricity generated, and has a capacity of 6780 MW.

After the early euphoria of the 2008 India-US civil nuclear deal, progress has been disappointing. The deal did open the pathway to a stable supply of uranium ore from Kazakhstan and Canada. However, the design of the subsequent bill on civil liability for nuclear damage killed the prospect of participation of Western firms. India's main partner today is Russia, which sidestepped the bill through inter-government agreements. The Kudankulam nuclear plant, which supplies about 26% of the electricity from this source, operates in partnership with Russia. Going forward, the geopolitical situation makes it challenging to depend on just Russians.

Nuclear energy is cost effective, avoids emission problems and has an acceptable level of risk. Unlike solar energy, it doesn't create challenges of grid stability. Moreover, recent progress on creating small modular reactors (up to 300 MW) makes the possibility of rapid scale-up feasible. SMRs will offer enhanced safety and simpler designs at lower capital costs. These improvements will be harder to achieve with India's workhorse pressurised heavy water reactors. Therefore, if nuclear energy's potential is to be exploited, India should begin by amending its nuclear liability legislation in a way that encourages investment by companies that are at the vanguard of SMRs, which promise to lower the chance of unsafe release of radioactivity. The deadlock needs to be broken.

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[***Mass coral bleaching of Australia's Great Barrier Reef goes under the media radar***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-8SC1-JCMN-Y4Y4-00000-00&context=1516831)

Newstex Blogs

Global Voices

April 5, 2022 Tuesday 4:05 PM EST

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**Length:** 1683 words

**Byline:** Kevin Rennie

**Body**

Apr 05, 2022( Global Voices: [*http://globalvoicesonline.org*](http://globalvoicesonline.org) Delivered by Newstex)

The devastating event threatens reef's long term survival

Originally published on Global Voices[1] [ Image removed: Great Barrier Reef faces another severe bleaching event ][2] A screenshot from an ABC News video 'Great Barrier Reef faces another severe bleaching event'

The busy news cycle seems to have crowded out coverage of the fourth mass coral bleaching[3] in six years at Australia's Great Barrier Reef. The Great Barrier Reef Marine Park Authority confirmed this in its Reef Health report on March 25, 2022:

Reef Health update: 25 March 2022[4]

It did not receive the attention such an event usually generates in mainstream or social media, either locally or internationally. The war in Ukraine[5], floods[6] in eastern Australia, debates about Australia's Federal budget before a national election in May, the unexpected death of much-admired cricketer Shane Warne[7] and other celebrity news took centre stage down under.

Coral reef scientist Professor Terry Hughes[8] lamented:

This week Will Smith gets more media coverage, for bad behaviour, than the ongoing decline of the world's coral reefs.

How screwed up is that? [*https://t.co/aLuO2WpeAH*](https://t.co/aLuO2WpeAH)[9]

— Terry Hughes (@ProfTerryHughes) March 29, 2022[10]

NPR's radio program 'All things Considered' featured a brief report[11]:

LISTEN: Australia's Great Barrier Reef is suffering a massive bleaching event, reports @npratc[12]. [*https://t.co*](https://t.co) /eJKI4pgMpq[13]

'We need to learn from these bleaching events,' says WCS's @emilysdarling[14]. 'We need to change business as usual. We need to take action on #climatechange[15].' pic.twitter .com/iBFmcYFesR[16];

— WCS (@TheWCS) March 25, 2022[17]

It included this comment from Emily Darling of the Wildlife Conservation Society:

What jumps out at me is the frequency of these events. There's just been no recovery window for the corals.

Not everyone on social media is convinced:

If I remember right the great barrier reef wasn't going to be around 20yrs ago because of climate change. [*https://t.co*](https://t.co) /VMpyLrphGF[18]

— Kris Kinder (@kris\_kinder) March 25, 2022[19]

On the other side of the continent, Federal parliamentarian Josh Wilson is concerned that similar damage to the Ningaloo Reef[20] in his State of Western Australia needs more publicity:

It's right that bleaching of the Great Barrier Reef is a matter of enormous national and international concern, but marine heatwaves off the WA coast are also of grave ecological and biodiversity consequence. [*https://t.co*](https://t.co) /UfIlbaop0N[21]

— Josh Wilson (@Josh4Freo) March 25, 2022[22]

The Australian federal budget was brought down a week after the bleaching announcement. The speech by Treasurer, Josh Frydenberg, mentioned climate change just once. Many condemned the lack of extra funding to combat climate change. The Climate Council lamented[23] this failure of funding:

THE 2022 Federal Budget has failed to deliver any meaningful commitments to address escalating climate change in Australia.

Nicki Hutley, Climate Councillor, leading economist and former Partner at Deloitte Access Economics, who was in today's Budget lockup, has calculated that just 0.3% of total expenditure for 2021-2024 has been committed to climate change initiatives, falling even lower, to just 0.2% in 2024-2026.

The pro-renewables Institute for Energy Economics and Financial Analysis (IEEFA) had a bleak take on the numbers:

They argued[24] that: 'Despite the Federal Government saying it's committing funding to energy and emissions reduction measures in the 2022-23 Budget, the spending on climate is reducing over the next four years, and spending on LNG, gas, carbon capture and storage, and 'clean' but not necessarily 'green' hydrogen has increased.'

In Australia's 2022-23 Budget, spending on climate is reducing over the next four years, and spending on LNG, gas, carbon capture and storage, and 'clean' but not necessarily 'green' hydrogen has increased.https ://t.co/b1cftmzKMr[25] #auspol[26] #ClimateCrisis[27] #energy[28]

— IEEFA\_AsiaPacific (@IEEFA\_AsiaPac) March 30, 2022[29]

At 'The Conversation', scientists from north Queensland's James Cook University highlighted[30] another unusual aspect of the bleaching:

This is the first time the reef has bleached under the cooling conditions of the natural La Niña weather pattern, which shows just how strong the long-term warming trend of climate change is.

Coincidentally, the United Nations World Heritage Centre's monitoring mission[31] was visiting Australia to decide whether the reef should be listed as a World Heritage site in danger[32]:

UNESCO's World Heritage Centre and IUCN (International Union for Conservation of Nature) will undertake a mission to Australia's Great Barrier Reef from 21 to 30 March 2022 to assess its state of conservation and a long-term sustainability plan for its protection.

In July 2021, Environment Minister Sussan Ley managed to avert[33] this potentially embarrassing outcome.

In a different part of eastern Australia, Sydney's world-renowned Bondi beach was experiencing another climate-related event:

Sorry but unprecedented won't cut it anymore. #bondibeach[34] pic.twitter .com/UbYLUe6NTt[35];

— caroline pegram (@caroline\_pegram) April 2, 2022[36]

Meanwhile, the latest Intergovernmental Panel on Climate Change (***IPCC***) report has warned[37] that 'limiting global warming to 1.5C is beyond reach'.

Retired soccer star and human rights activist, Craig Foster, was just one of many to underline the urgency:

'The world can still hope to stave off the worst ravages of climate breakdown but only through a 'now or never' dash to a low-carbon economy and society..a final warning for governments on the climate.'

And Australia is going backwards.

It's criminal. [*https://t.co/YUWgvMJWd3*](https://t.co/YUWgvMJWd3)[38]

— Craig Foster (@Craig\_Foster) April 4, 2022[39]

Written byKevin Rennie[40]

[ 1]: [*https://globalvoices.org*](https://globalvoices.org) /2022/04/05/mass-coral-bleaching-of-australias-great-barrier-reef-goes-under-the-media-radar/ [ 2]: [*http://youtu.be/QK8FNx\_rkbc*](http://youtu.be/QK8FNx_rkbc) [ 3]: [*https://oceanservice.noaa.gov/facts/coral\_bleach.html*](https://oceanservice.noaa.gov/facts/coral_bleach.html) [ 4]: [*https://www.youtube.com/embed/vY7ihkat9ek?feature=oembed*](https://www.youtube.com/embed/vY7ihkat9ek?feature=oembed) [ 5]: [*https://globalvoices.org/special/russia-invades-ukraine/*](https://globalvoices.org/special/russia-invades-ukraine/) [ 6]: [*https://www.natureworldnews.com/articles/50171/20220331/eastern-australia-second-major-flooding-hits-new-south-wales-queensland.htm*](https://www.natureworldnews.com/articles/50171/20220331/eastern-australia-second-major-flooding-hits-new-south-wales-queensland.htm) [ 7]: [*https://en.wikipedia.org/wiki/Shane\_Warne*](https://en.wikipedia.org/wiki/Shane_Warne) [ 8]: 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[*https://twitter.com/hashtag/climatechange?src=hash&ref\_src=twsrc%5Etfw*](https://twitter.com/hashtag/climatechange?src=hash&ref_src=twsrc%5Etfw) [ 16]: [*https://t.co/iBFmcYFesR*](https://t.co/iBFmcYFesR) [ 17]: [*https://twitter.com/TheWCS/status/1507497605097472007?ref\_src=twsrc%5Etfw*](https://twitter.com/TheWCS/status/1507497605097472007?ref_src=twsrc%5Etfw) [ 18]: [*https://t.co/VMpyLrphGF*](https://t.co/VMpyLrphGF) [ 19]: [*https://twitter.com/kris\_kinder/status/1507498221819645958?ref\_src=twsrc%5Etfw*](https://twitter.com/kris_kinder/status/1507498221819645958?ref_src=twsrc%5Etfw) [ 20]: [*https://www.australia.com/en/places/perth-and-surrounds/guide-to-ningaloo-reef.html*](https://www.australia.com/en/places/perth-and-surrounds/guide-to-ningaloo-reef.html) [ 21]: [*https://t.co/UfIlbaop0N*](https://t.co/UfIlbaop0N) [ 22]: [*https://twitter.com/Josh4Freo/status/1507165482725834753?ref\_src=twsrc%5Etfw*](https://twitter.com/Josh4Freo/status/1507165482725834753?ref_src=twsrc%5Etfw) [ 23]: [*https://www.climatecouncil.org.au/resources/massive-lost-opportunity-virtually-no-funding-climate-federal-budget-2022/*](https://www.climatecouncil.org.au/resources/massive-lost-opportunity-virtually-no-funding-climate-federal-budget-2022/) [ 24]: [*https://ieefa.org/ieefa-australia-federal-budget-climate-spending-decreasing-and-spending-on-high-emitting-energy-projects-increasing*](https://ieefa.org/ieefa-australia-federal-budget-climate-spending-decreasing-and-spending-on-high-emitting-energy-projects-increasing)/ [ 25]: [*https://t.co/b1cftmzKMr*](https://t.co/b1cftmzKMr) [ 26]: [*https://twitter.com/hashtag/auspol?src=hash&ref\_src=twsrc%5Etfw*](https://twitter.com/hashtag/auspol?src=hash&ref_src=twsrc%5Etfw) [ 27]: 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[***The Great Barrier Reef on Life Support***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655X-78K1-F03R-N4J3-00000-00&context=1516831)

Newstex Blogs

Dissident Voice

April 8, 2022 Friday 5:11 PM EST

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**Length:** 1788 words

**Byline:** Robert Hunziker

**Body**

Apr 08, 2022( Dissident Voice: [*http://www.dissidentvoice.org*](http://www.dissidentvoice.org) Delivered by Newstex)

'Five bouts of mass bleaching since 1998 have turned the Great Barrier Reef (GBR) into a checkerboard of reefs with very different recent histories, ranging from two percent of reefs that have escaped bleaching altogether, to 80 percent that have now bleached severely at least once since 2016.' 1[1]

Recent news of another (the 6th) bleaching event at the Great Barrier Reef is but one more example in a long list of recent climate-related events that depict a scenario that can only be described as triple-alarm climate emergencies as ecosystems breakdown across the world.

But, those breakdowns are not happening where people live. Therefore, other than scientists, who sees cascading ice sheets, crumbling permafrost, tens of thousands of Alaskan and Siberian thermokarst lakes bubbling methane, Greenland's Helheim glacier cascading into the sea, or depleting ocean kelp forests amongst horrendous loss of prime fishing stock at crucial northern latitudes?

It was only a couple of months ago that this grisly description was carried by the LA Times: 'Forces profound and alarming are reshaping the upper reaches of the North Pacific and Arctic oceans, breaking the food chain that supports billions of creatures and one of the world's most important fisheries.' Susanne Rust, 'Unprecedented Die-offs, Melting Ice: Climate Change is Wreaking Havoc in the Arctic and Beyond', Los Angeles Times, December 17, 2021.

Here's another recent event that's nearly impossible to grasp: A study in Canada showed the enormous impact of heat, as an estimated one billion sea creatures off the coast of Vancouver died because of excessive ocean heat. According to Professor Christopher Harley, University of British Columbia: '#8217;I've been working in the Pacific Northwest for most of the past 25 years, and I have not seen anything like this here. This is far more extensive than anything I've ever seen.'2[2]

And, East Antarctica, the world's mightiest impregnable ice sheet, only recently spooked scientists with the unexpected collapse of a 1,200 sq km (463 sq mi) ice shelf. Poof, gone!

All of which brings into focus an obvious query: Do deteriorating ecosystems on the frontiers of civilization forewarn of trouble for society at large?

The general public sees the issue in sharp contrast to the true impact of global warming; e.g., a New York Times, The Morning headline d/d April 3rd: 'Good Morning, We Have Reason For Hope on Climate Change,' but the text is full of generalities, not at all convincing. It does, however, soothe nerves of passive readers, and it does offer 'hope.'

The NYT article also implicitly suggests that doom and gloom articles are counterproductive, blah, blah, blah. Well, yes, of course, that is (maybe) true. And, it also sparks fear. Unfortunately the real world works that way in the presence of existential risk to complex life in the face of universally advertised false hope, which has not even come close to fixing the climate change issue. Fossil fuel consumption has roughly doubled since 1980 and remains at 75% of all energy production, same as 50 years ago.3[3]

Meanwhile, it is indisputable that major ecosystems are starting to collapse, the Great Barrier Reef, the Arctic, Antarctica, rainforests, vast regions of permafrost, ocean feeding grounds, Brazil's 56% hydro electrical power system (reservoirs <25%) importing electrical power from Argentina and Uruguay, massive Greenland glaciers, the diminishing Colorado River hydrologic system, insect populations, and biodiversity writ large. Prominent warnings have already advanced well beyond the necessity of any more too-late warnings of a planet that is clearly struggling.

All of which means it's a mistake to whitewash reality, especially when the truth, not hope, dictates immediate remediation efforts, assuming that'll even work. Moreover, when is it too late to do something?

The International Union for Conservation of Nature ('IUCN') classifies the Great Barrier Reef to be in 'critical condition.' Global warming is devastating this UNESCO World Heritage site. The crux of the issue is ocean heat sequences relentlessly pounding the reef before it can catch its breath long enough to recover.

Furthermore, an ***IPCC*** report post-Glasgow (November 2021) featured an article entitled: 'The Great Barrier Reef is in Crisis.' Hundreds of peer-reviewed scientific papers claimed: 'Coral reefs are on the verge of extinction.' That is reality! That's scary. That demands immediate worldwide attention. Can oceans be cooled down?

Moreover, numerous reports claim, 'with extremely high confidence' several natural systems in Australia, especially the Great Barrier Reef 'have already undergone irreversible damage,' which is supportive evidence that a worldwide climate emergency is passing us by without so much as a whimper by most of the world's political leaders in the face of science screaming 'danger immediately ahead.'

According to Nature World News d/d March 26th, 2022: 'Authorities reported last week that higher-than-average temperatures had caused significant bleaching in portions of the reef in yet another season of heat damage.'

Reef specialist Scott Heron, Ph.D. of James Cook University, which is widely recognized as the top institution in the world for citations in coral reef science: 'There are portions of the reef that are in such bad shape that there is no chance of coral bleaching this year because there are so few corals remaining This decade, we need to take immediate action on climate change.'4[4]

Nevertheless, most countries, as well as the ***IPCC***, are targeting net zero emissions by 2050 to hopefully stay under 1.5C/2C, but seriously, who really knows for sure? Temperature boundaries of 1.5C/2C post-industrial are highly controversial issues with some scientists claiming we've already breached the ***IPCC***'s boundaries. Indeed, want some evidence? The GBR is a prime example of excessive global warming at work, as explained in more detail, as follows.

The Great Barrier Reef Marine Park Authority has been conducting monitory flights over the entire length and width of the 2,300-kilometer (1,429 mi.) reef, following in the footsteps of five major bleaching episodes, circa 1998, 2002, 2016, 2017, and 2020, all triggered by rising ocean temperatures and setting all-time temperature records since 1905.

According to Professor Hughes of James Cook University: The current sixth bleaching 'that's underway is not moderate or confined.'4[5]

Research scientist Neal Cantin of the Australian Institute of Marine Science Sea claims surface temperatures around the Great Barrier Reef have been higher than normal with some temperature anomalies more than 3.5 Celsius (6.3 Fahrenheit) above average. 5[6] Note: It should be noted that 3.5C above baseline on land is a potential killer of terrestrial life.

Richard Leck, the head of oceans and sustainable development at WWF-Australia says: 'At this stage, we're averaging a bleaching event more than once every two years, which is really climate change writ large To have those events happening so regularly, it really isn't giving the reef the time it takes to recover.'4[7]

BBC News d/d March 25th reported on the bleaching event:

Only two mass bleaching events had ever been recorded until 2016. That says a lot about the acceleration of global warming with massive bleaching events recorded in 1998, 2002, 2016, 2017, 2020, and now 2022, as the sequence between events shortens. Scientists say urgent action on climate change is needed if the world's largest reef system is to survive. There are particular concerns that this bleaching event has occurred in the same year as a La Niña weather phenomenon. Typically in Australia, a La Niña brings cooler temperatures.

At some point in time this tragic story will come to an end by either: (a) lights-out for one of the planet's greatest natural assets or (b) the nations of the world join forces in a unified wartime effort to halt fossil fuel emissions well before 2050 but, will that really happen and in enough time and when is it too late?

T. Hughes, ARC Centre of Excellence for Coral Reef Studies: '98% of the Great Barrier Reef Has Been Affected by Coral Bleaching', World Economic Forum, November 15, 2021.'Heat Wave Killed An Estimated 1 Billion Sea Creatures, And Scientists Fear Even Worse', NPR Environment, July 9, 2021.Our World in Data, Fossil Fuels.Ibid.'The Great Barrier Reef is Bleaching — Once Again - and Over a Larger Area', Mongabay, March 25, 2022.The post The Great Barrier Reef on Life Support[8] first appeared on Dissident Voice[9].

[ 1]: [*https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote\_0\_128617*](https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote_0_128617) [ 2]: [*https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote\_1\_128617*](https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote_1_128617) [ 3]: [*https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote\_2\_128617*](https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote_2_128617) [ 4]: [*https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote\_3\_128617*](https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote_3_128617) [ 5]: [*https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote\_3\_128617*](https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote_3_128617) [ 6]: [*https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote\_4\_128617*](https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote_4_128617) [ 7]: [*https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote\_3\_128617*](https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/#footnote_3_128617) [ 8]: [*https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/*](https://dissidentvoice.org/2022/04/the-great-barrier-reef-on-life-support/) [ 9]: [*https://dissidentvoice.org*](https://dissidentvoice.org)

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[***Europe's railways: unable to play the role they should in the climate transition***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655D-WXG1-F03R-N18F-00000-00&context=1516831)

Newstex Blogs

Jon Worth

April 6, 2022 Wednesday 10:06 AM EST

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**Length:** 1103 words

**Byline:** Jon

**Body**

Apr 06, 2022( Jon Worth: [*http://www.jonworth.eu*](http://www.jonworth.eu)/ Delivered by Newstex)

Two interesting pieces of information about transport and the climate transition crossed my timeline yesterday. This tweet from TUMI:

Transport: Save money, protect the climate @***IPCC***\_CH[1] pic.twitter .com/M04fFglFmN[2];

— TUI for (@TUMInitiative) April 5, 2022[3]

And this New York Times story entitled In Europe, It's Planes vs. Trains. For Many Travelers, Rail Is the Way to Go.[4]

The problem of course is that - despite the title of the New York Times piece - Europe's railways are not really stepping up.

The return of night trains in France (and strong demand for them) and BB's expansion of night time routes are of course stressed in the piece, but all of SNCF's expansion so far has been based on renovation of carriages built in the 1980s. Only BB, with its order for 33 new 7 carriage night trains from Siemens, is really making any headway here. But even that - if you compare that with the 300 daytime ICEs Deutsche Bahn owns, or SNCF's 400 daytime TGVs, is a drop in the ocean. Alberto Mazzola of CER is quoted in the NYT as well, talking about how states are now keener on rail investment than they were.

But as I see it the deficiencies remain major, and the discussion has to be not only about infrastructure butalso about service.

Take the example of Spain. It has ploughed billions into the construction of one of the best national high speed networks in Europe, but its capital Madrid literally does not have a single direct train to any other EU country for most of the year (there is 1 - to Marseille - for a few summer months). The high speed line that connects the Spanish and French high speed networks between Figueras and Perpignan has 2 trains each way on it each day (rising to 4 each way each day in the summer months).

Infrastructure: excellent.

Service: horrid.

And this then brings us back to the trains themselves, and by extension the companies that run them, and maximising the use of the infrastructure we have already.

We know beyond reasonable doubt that there is a large untapped potential for further long distance night trains in Europe. The report accompanying the European Commission's cross border rail action plan in December 2021 concluded there was enough market demand for between 170 and 300 new night train carriages in Europe[5], for routes over and above those already planned. You can, within reason, run night trains on existing infrastructure right now - investments in high speed lines are not necessary to make the majority of potential routes (think connections like Köln-Warszawa or Amsterdam-Marseille) work. What you instead need is more carriages - what I have repeatedly been advocating with my Trains for Europe[6] campaign.

So who is stepping up and meeting this demand?

Austrian railways BB is, somewhat. But their 33 new trains are not nearly enough to cover the whole of Europe. France might, after the elections this spring, finance some new trains, as might - to a more minor extent - Sweden, Italy and Norway (overview here[7]). There are a few small private operators in this sector - Regiojet is the strongest of them, and there is also European Sleeper, Snlltget and possibly Railcoop and Midnight Trains, but none of them look like they can scale either. But that is about it - all of that is not even close to enough to meet the demand we know exists, let alone beginning to think about changing passengers' behaviour - that we also have to do due to the climate crisis.

And that brings me to a conversation I had last week with an old friend of mine who works in venture capital. 'Who,' he asked me 'is going to make an order for 100 trains to meet this demand?' he asked me. '100 trains?' I replied, thinking I had misheard him, thinking he meant 100 carriages, but no he meant 100 trains. Sure financing that would be doable he went on, and that's the scale we should be aiming for. 'Why is European Sleeper aiming so low?' he went on. But both he and I do not know who could possibly handle a scheme of that scale - given the railway companies that could (DB, SNCF, Renfe, Trenitalia) show zero willingness to do so, and the small private operators lack the ability to scale up.

Filling the column inches of the New York Times with nice words about railways is, I conclude, a lot easier than actually addressing the heart of this problem: the railway industry looks incapable of stepping up enough to solve this problem of the need for new international (night) trains that can run on existing infrastructure.

The post Europe's railways: unable to play the role they should in the climate transition[8] appeared first on Jon Worth Euroblog[9].

[ 1]: [*https://twitter.com*](https://twitter.com) /***IPCC***\_CH?ref\_src=twsrc%5Etfw [ 2]: [*https://t.co/M04fFglFmN*](https://t.co/M04fFglFmN) [ 3]: [*https://twitter.com/TUMInitiative/status/1511405279103045635?ref\_src=twsrc%5Etfw*](https://twitter.com/TUMInitiative/status/1511405279103045635?ref_src=twsrc%5Etfw) [ 4]: [*https://www.nytimes.com/2022/04/05/travel/europe-trains.html*](https://www.nytimes.com/2022/04/05/travel/europe-trains.html) [ 5]: [*https://trainsforeurope.eu/european-commission-action-plan-to-boost-long-distance-and-cross-border-passenger-rail-a-glass-half-full*](https://trainsforeurope.eu/european-commission-action-plan-to-boost-long-distance-and-cross-border-passenger-rail-a-glass-half-full)/ [ 6]: [*https://trainsforeurope.eu*](https://trainsforeurope.eu)/ [ 7]: [*https://trainsforeurope.eu/where-we-stand-with-the-need-to-order-new-night-trains-the-eu-every-government-every-operator-assessed*](https://trainsforeurope.eu/where-we-stand-with-the-need-to-order-new-night-trains-the-eu-every-government-every-operator-assessed)/ [ 8]: [*https://jonworth.eu/europes-railways-unable-to-play-the-role-they-should-in-the-climate-transition*](https://jonworth.eu/europes-railways-unable-to-play-the-role-they-should-in-the-climate-transition)/ [ 9]: [*https://jonworth.eu*](https://jonworth.eu)

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[***Bitcoin: How environmentally-damaging is it and what greener alternatives are there?***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9M51-JCMN-Y2MD-00000-00&context=1516831)

Newstex Blogs

Proactive Investors

April 5, 2022 Tuesday 4:05 PM EST

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**Length:** 1059 words

**Byline:** Proactiveinvestors

**Body**

Apr 05, 2022( Proactive Investors: [*http://www.proactiveinvestors.com*](http://www.proactiveinvestors.com) Delivered by Newstex)

Soaring energy prices and climate change are making Bitcoin's power problem an increasingly hot topic, even if some inventive entrepreneurs are finding 'cleaner' sources of electricity. Several Bitcoin miners have been using green energy and non-renewablewaste to produce the crypto king.

For example, Square, founded by Twitter owner Jack Dorsey, said in July it's funding a solar-powered Bitcoin mining facility with Blockstream, while Great American Mining now delivers portable Bitcoin mining machines to oil and gas fields. Meanwhile, crypto mining company Argo Blockchain PLC (LSE:ARB, OTCQX:ARBKF, NASDAQ:ARBK, ETR:0XP) also said last year it bought two data centres in Canada powered almost entirely by hydropower. Nevertheless, scrutiny over Bitcoin's power burden won't go away quickly - especially when the likes of the United Nations see only a 50% chance of limiting the rise of the Earth's average temperature by 1.5C. The Intergovernmental Panel on Climate Change (***IPCC***), a United Nations arm, on Tuesday, said cryptocurrencies will require greater volumes of energy in the future, whilst adding this was a 'growing concern' in terms of climate change. At the same time, however, it highlighted 'considerable uncertainty' surrounding the energy use of blockchain infrastructure. So this got us thinking how green is the digital currency king and what is its energy outlook? How damaging to the environment is Bitcoin? Bitcoin uses proof of work (PoW), which is extremely energy-intensive, for coins to be mined and to validate transactions. It is a form of cryptographic proof where one person solves a mathematical puzzle to prove to a verifier that a certain amount of processing power was used. PoW is chosen because it is a decentralised method of verifying transactions, which makes it virtually impossible to misuse or hack the blockchain. 'If the value of the Bitcoin or Ethereum network rises, the energy consumed must generally also rise, as it is the cost of that energy that protects the value stored in the network,' one expert said. One Bitcoin transaction uses 1,544 kilo-watts hour (kWh) to complete, which is equal to around 53 days of power for the average US household, according to CNet, citing the Digiconomist's Bitcoin Energy Consumption Index. At 121.36 terawatt-hours (TWh), crypto mining (much of it is attributed to Bitcoin production) would be ranked in the top 30 countries by energy consumption, an analysis from Cambridge University said last February. Meanwhile, 143,000kWh is required to mine one Bitcoin, on average. That is roughly equivalent to a one-hour flight on a Boeing 747, the planemaker said, or the power needed in a year to run 39 UK homes, according to Home Serve estimates. 'While it is clear that the energy requirements of global Bitcoin mining have grown significantly since 2017, recent literature indicates a wide range of estimates for 2020 (47 TWh to 125 TWh) due to data gaps and differences in modelling approaches,' the ***IPCC*** said. Although some experts believe this is because crypto widely grew in popularity, so the increased energy requirements were simply due to higher demand, not rising inefficiencies. Naeem Aslam, Avatrade chief market analyst, said: 'Bitcoin is a lot greener today than it was 10 years ago or five years ago and this is what we need to focus on. 'The people who question Bitcoin about being green or not need to think about fiat [currencies] and how green [that is].' What are the greener options for Bitcoin? If Bitcoin were to be mined via the proof of stake process, the energy consumed would be 99.99% lower, NBC News said, citing Danny Ryan, an Ethereum Foundation researcher, of decentralised computer systems and blockchain technology. Proof of stake requires users to stake their coins to become a validator in the network, where they then help order transactions and create new blocks so nodes can agree on the state of the network. Ethereum, which is the second-largest crypto by market value, announced in January it is in the process of moving to the consensus mechanism PoS. Some of the best-known altcoins that also use PoS are Cardano, Solana, Polkadot, Cosmos, Tezos and VeChain. PoS has been proven to not be as secure or stable as proof of work, Business Insider added, as validation power constantly given to the largest stakeholders may result in a form of centralisation, which cannot occur in PoW. Is Bitcoin partly to blame for surging energy prices? Crypto mining, which is largely made up by Bitcoin, uses approximately 123 TWh globally per year, Money Supermarket said. The annual global consumption was estimated to be 580mln terajoules (TJ), according to the World Counts. One TWh is equal to 3600TJ. So, using Money Supermarket's estimate rather than Cambridge University's, crypto mining uses up 1,310 times less energy than the entire world uses in a year. 'Bitcoin has no relation to energy prices; energy prices are up mainly due to sanctions on Russia and less oil supply,' Aslam commented.

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[***Statewide Gas Ban Bill Axed From NY Budget, Sources Say***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655K-J2C1-F03R-N37D-00000-00&context=1516831)

Newstex Blogs

City Limits

April 7, 2022 Thursday 1:06 AM EST

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**Length:** 1195 words

**Byline:** Liz Donovan

**Body**

Apr 06, 2022( City Limits: [*http://www.citylimits.org*](http://www.citylimits.org) Delivered by Newstex)

A call for Gov. Kathy Hochul to push the legislation through in budget negotiations comes as the Intergovernmental Panel on Climate Change announces a new warning about fossil fuels.But sources say the bill will be excluded from the week-late spending plan, forcing lawmakers to hammer it out in the remaining months of the legislative session.

Assemblymember Gallagher's office State lawmakers and environmental advocates at a March rally in Albany calling for passage of the All-Electric Building Act.

[*https://citylimits.org/series/city-on-the-edge-climate-change-and-new-york/*](https://citylimits.org/series/city-on-the-edge-climate-change-and-new-york/)

Environmentalists are planning to protest Thursday following news that a measure to ban gas hookups in new construction across the state starting in 2024 has been left out of the forthcoming budget deal—Gov. Kathy Hochul's first since taking office.

A legislative staffer close to the negotiations confirmed its absence from the final budget plan, which is a week past the state's April 1 deadline, but added he is optimistic the bill will pass this legislative session. Hudson Valley news site The River was first to report on the exclusion late Wednesday[1].

The proposed legislation, the All-Electric Building Act, follows a similar law passed by the New York City Council[2] under former Mayor Bill de Blasio in December.

New York would be the first state to pass such a policy. The bill has gained widespread support, with more than 600 people who have spoken out in favor of it over the past two weeks, according to the nonprofit Food & Water Watch. Advocates have staged press conferences over Zoom and held rallies outside Hochul's office.

'This is a policy that would advance multiple goals,' organizer Eric Weltman of Food & Water Watch told City Limits. 'It will clean the air. It will create good green jobs. It will move us off of fossil fuels at a time when gas prices are skyrocketing.'

On Thursday, organizers with Food & Water Watch, along with New York Communities for Change and other environmental organizations, plan to protest at the office of State Assembly Speaker Carl Heastie, who they say has been 'balking' at the inclusion of the bill in the budget.

'As a general rule we didn't include policy in our budget proposal,' said Michael Whyland, the speaker's press secretary, in an email to City Limits. 'I know these groups may not like the answer, but whatever we do on this issue—or any issue—is guided by the sense of the entire democratic conference.'

The legislation will be left instead for lawmakers to hammer out over the remaining months of the legislative session, which ends in June.

But advocates argue a report released earlier this week on the impact of fossil fuels signals a 'now or never' urgency to reduce carbon emissions. The Intergovernmental Panel on Climate Change (***IPCC***), a consortium of scientists from 195 nations, released the third part of its Sixth Assessment Report focused on climate change mitigation. The panel found that greenhouse gas emissions must peak no later than 2025 and be reduced by nearly half by 2030 in order to prevent global warming from exceeding 1.5 degrees Celsius above pre-industrial temperatures.

'Even if we do this, it is almost inevitable that we will temporarily exceed this temperature threshold but could return to below it by the end of the century,' the report's authors wrote.

Buildings are notorious for being hefty contributors to greenhouse gas emissions; the United Nations Environment Programme estimates that the construction and operations of buildings contributes 38 percent of global carbon dioxide emissions.

Notably, New York has the most building emissions of any state, according to a report by RMI.

The pollutants from buildings not only contribute to climate change and global warming but also can impact the health of surrounding communities. Researchers at Harvard T. H. Chan School of Public Health examined data from 2017 and found that 1,940 New Yorkers died prematurely due to particulate matter related to burning fossil fuels in buildings, according to a study published last year.

READ MORE: Low-Income Housing in NY Burns Fossil Fuels More Than Other States, Study Finds[3]

'The All-Electric Building Act is exactly the kind of legislation the ***IPCC*** report calls for,' said Annie Carforo, of WE ACT for Environmental Justice, at a virtual press conference Tuesday, 'phasing out fossil fuels and electrifying our buildings, the primary source of the greenhouse gas emissions that cause climate change.'

Critics of the gas ban bill, however, claim the legislation would increase utility costs [4]for consumers and that cleaner alternatives, like heat pumps, are less reliable than natural gas. The same concerns were expressed regarding the earlier citywide legislation by its opponents, which included National Grid and the Real Estate Board of New York.

State Assembly Member Emily Gallagher, who sponsored the bill in the Assembly, joined environmental groups at a virtual event Tuesday urging the governor to consider following New York City in implementing the statewide legislation.

'We can't let the decisions of our past dictate our future,' Gallagher said. 'Fossil fuels and their money must become unwelcome in New York.'

The post Statewide Gas Ban Bill Axed From NY Budget, Sources Say[5] appeared first on City Limits[6].

[ 1]: [*https://therivernewsroom.com/gas-ban-officially-dead-new-york-state-budget*](https://therivernewsroom.com/gas-ban-officially-dead-new-york-state-budget)/ [ 2]: [*https://citylimits.org/2021/12/16/nyc-votes-to-ban-gas-in-new-construction-as-plastic-utensils-bill-stalls/*](https://citylimits.org/2021/12/16/nyc-votes-to-ban-gas-in-new-construction-as-plastic-utensils-bill-stalls/) [ 3]: [*https://citylimits.org/2021/10/26/low-income-housing-in-ny-burns-fossil-fuels-more-than-other-states-study-finds/*](https://citylimits.org/2021/10/26/low-income-housing-in-ny-burns-fossil-fuels-more-than-other-states-study-finds/) [ 4]: [*https://energycitizens.org/campaigns/home-heating-choice-is-at-risk-in-new-york/*](https://energycitizens.org/campaigns/home-heating-choice-is-at-risk-in-new-york/) [ 5]: [*https://citylimits.org/2022/04/06/statewide-gas-ban-bill-axed-from-ny-budget-sources-say/*](https://citylimits.org/2022/04/06/statewide-gas-ban-bill-axed-from-ny-budget-sources-say/) [ 6]: [*https://citylimits.org*](https://citylimits.org)

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[***How Climatologists Forgot the Sun Was Shining: Your Questions Answered***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655K-J2C1-F03R-N30F-00000-00&context=1516831)

Newstex Blogs

Watts Up With That?

April 6, 2022 Wednesday 7:06 PM EST

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**Length:** 5561 words

**Byline:** Guest Blogger

**Body**

Apr 06, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

By Christopher Monckton of Brenchley

Regular readers of WUWT will know that some years ago my team of eminent climatologists and control theorists discovered that, remarkably, climatology had - at a vital point in its calculations of how much warming we may cause - forgotten that the Sun was shining.

Climatologists' error arose from interdisciplinary compartmentalization. They borrowed feedback math from control theory, a mature branch of engineering physics, but without understanding what they had borrowed.

Their error was so large that, after correction, the near-certainty of future global warming large enough to be catastrophic vanishes, and the tawdry notion of 'climate emergency' with it.

The climate activists hate our result not because it is wrong but because it is right. To coin a phrase, it is an inconvenient truth. They have been working overtime to try to suppress it, not least by writing inept, inaccurate, ignorant, intemperate or inspissate comments about it in the discussion threads here.

Likewise, the unlearned journals of climate 'science' are doing their level worst to keep our paper from being properly peer-reviewed, let alone published. The journal to which we most recently sent it - well over a year ago - advertises that its average time from submission to decision is less than three months. We have been waiting four or five times longer than that.

One makes some allowance for the general chaos caused by the Chinese virus. However, the pandemic has now become endemic, so it is time for the journals to get on with their work. Yet a recent polite reminder to the editor of the journal has gone altogether unanswered. That, to say the least, is discourteous and unprofessional. It will be for the courts, in due course, to decide whether it is also corrupt.

Gary Pearse, in a comment on my recent posting about the lengthening of the new Pause to seven and a half years, where I explained some aspects of our research, wrote:

Christopher this is a jewel of an explanation of your thesis and I wish others could find such a touchstone for their technical criticisms of other aspects of the scam. I am an engineer, so had no trouble understanding the idea as originally presented, but the vast majority do not understand. These are the people we do not reach!

In this posting, I shall try to do as Gary suggests and reach the people we do not reach. I shall not succeed in reaching all of them. Some are determined not to be reached, regardless of the mere truth.

I propose to answer some of the questions that have been raised about our result. But feedback theory is not easy. If you are not technically minded, you may struggle here and there. However, I shall do my best to keep everything to simple arithmetic, and to explain necessary concepts as I go.

How can you prove that climatology forgot the Sun was shining?

One of the earliest methods of estimating equilibrium doubled-CO2 sensitivity (ECS) - the warming eventually caused by a radiative forcing equivalent to doubling the CO2 in the air - was to look at what happened in 1850, before we had greatly influenced global temperature, which was then at equilibrium: thereafter, there would be no trend in global warming for 80 years.

In 1984 James Hansen at NASA, followed by Michael Schlesinger in 1988, Lacis (again at NASA) in 2010 and 2013 and countless others, carried out the following crude calculation.

Direct warming by the naturally-occurring, noncondensing greenhouse gases up to 1850 was about 8 K. But the total natural greenhouse effect was 32 K. It was the difference between the 287 K global mean surface temperature in 1850 and the 255 K emission temperature that would prevail near the surface if there were no greenhouse gases in the air at all at the outset, simply because the Sun is shining.

The 24 K difference between the 32 K natural greenhouse effect and the 8 K reference sensitivity to preindustrial greenhouse gases was temperature feedback response.

Feedback response is an additional warming chiefly driven by more water vapor, the condensing greenhouse gas, in warmer air. It is dependent upon and proportional to the direct temperature that engendered it.

Therefore, Hansen, Schlesinger, Lacis and many, many others imagined that the system-gain factor - the ratio of final or equilibrium warming after accounting for feedback response to direct or reference warming before accounting for it - must be about 32 / 8, or 4.

Wrong.

Direct warming by doubled CO2 (called reference doubled-CO2 sensitivity, or RCS) is 1 K. Climatology implicitly assumes (with good reason, as it turns out) that the system-gain factor today is very much as it was in 1850. Then, on the basis that the system-gain factor in 1850 was 32 / 8, or 4, it assumes the final warming by doubled CO2 (the equilibrium sensitivity or ECS), is likely to be 4 K.

Also wrong.

ECS of 4 K was the conclusion in Hansen (1984), and it remains climatology's conclusion today: the mean midrange ECS projected by the CMIP6 models is 3.9 K (Zelinka et al 2020 supp.).

Yet, as my monthly postings on the latest of many Pauses in global temperature illustrate, the actual rate of global warming is a lot less than had originally been predicted. Astonishingly, the chief reason for climatology's extravagant over-predictions of warming and of consequent Thermageddon is that Hansen and so many others after him had simply forgotten that the Sun is shining.

At any given moment - such as 1850 - the feedback processes then subsisting must perforce respond equally to each degree of the entire reference temperature, which, in 1850, was the 263 K sum of the 255 K emission or sunshine temperature and the 8 K reference sensitivity.

Therefore, those feedback processes must, at that moment, respond in strict proportion to the magnitude of each component in reference temperature, specifically including emission temperature, and not only to the 8 K reference sensitivity to preindustrial noncondensing greenhouse gases.

As will be explained later, this requirement of strict proportionality does not in any degree imply that the system-gain factor must be constant throughout the industrial era: i.e., that the system is in this respect linear in its behavior.

However, climatologists, in doing their rinky-dink 32 / 8 = 4 calculation, overlook the very large feedback response to emission temperature. In effect, they add it to, and miscount it as though it were part of, the actually minuscule feedback response to direct warming by greenhouse gases. Here, for instance, is Hansen (1984):

'Our 3D global climate model yields a warming of for either a increase of [solar irradiance] or doubled CO2. This indicates a net [system-gain factor] of -.'

Hansen goes on to say that emission temperature is 255 K and that today's temperature is 288 K, from which the current 33 K greenhouse effect follows.

The system-gain factor for 1850, derivable from the quite well-constrained data for 1850, must be - but is not - applied not only to the 8 K reference sensitivity to greenhouse gases but also to the feedback response to the 255 K emission temperature itself.

The system-gain factor in 1850 was not 32 / 8 = 4 but rather (255 + 32) / (255 + 8) = 1.09. In that simple correction, about which the trolls have been meticulously and cravenly silent, the sheer magnitude of climatology's error can be discerned.

Since RCS is just over 1 K, ECS is not the 4 K imagined by Hansen and still imagined today by most of the CMIP6 models: it is a harmless and net-beneficial 1.1-1.2 K. End of climate 'emergency'.

If, therefore, climatologists had remembered that the Sun is shining, they would have realized that, since the 255 K emission temperature is about 30 times the 8 K reference sensitivity to preindustrial noncondensing greenhouse gases, very nearly all of the 24 K feedback response that climatology attributes to greenhouse gases - in fact, about 23.3 K of it - is in reality attributable to the fact that the Sun is shining (except in Scotland). Only 0.7 K is feedback response to the preindustrial noncondensing greenhouse gases.

There is no doubt about this result for 1850. Hansen, Schlesinger, Lacis and many, many others, including me in my first peer-reviewed paper on climate sensitivity, made the very same mistake. We were all simply wrong. There are no two ways about it. Oops!

I had made the mistake because I had asked Sir John Houghton, then ***IPCC***'s science chairman, why climatology imagined that, contrary to common sense, feedback response was not just greater than the reference sensitivity that engendered it but three times greater.

Sir John had replied that in 1850 the feedback response to the 8 K direct warming by preindustrial noncondensing greenhouse gases was 24 K, so that the natural greenhouse effect was 32 K, whereupon the system-gain factor was 32 / 8, or 4, so that ECS, then as now, was 3-4 times the 1 K RCS.

Sir John was wrong. So wrong, in fact, that although ***IPCC*** (2013) mentions 'feedback' some 1100 times, in today's conditions - without significant error - one may ignore feedback response altogether when deriving ECS. For ECS is not, after all, three or four times RCS. It is about the same.

What is the effect of data uncertainties on our result?

Using the corrected method, the 15 K uncertainty in emission temperature and the 10% uncertainty in natural and anthropogenic reference sensitivities (the latter from Cess et al. 1993) make practically no difference: ECS based on the data for 1850 is constrained to 1.1-1.2 K. However, forgetting the sunshine and using the erroneous method, ECS for 1850 may be anywhere from 2-6 K.

How can it be that, after correction of climatology's control-theoretic error, a system-gain factor just 1% greater today than in 1850 would entail ECS today exceeding by 250% of the value implicit in the climate data for 1850?

The system-gain factor in 1850, using better-resolved values than the round numbers we have used so far, was 1.095. Multiply the 1.056 K RCS by 1.095 and you get about 1.2 K ECS. Increase the system-gain factor by 1% to 1.106 and, before correcting the error, you still get about 1.2 K ECS.

However, after correcting the error, if today's system-gain factor were 1.106, just 1% above its value in 1850, then - taking today's reference temperature as the 263.66 K sum of the 255 K emission temperature, the 7.6 K natural reference sensitivity, and the RCS of 1.056 K - ECS today would be equal to 1.106 (263.66 K) - 287.5 K, or 4.1 K.

On that basis, today's ECS, then, the 4.1 K difference between today's equilibrium temperature of 291.6 K and the observed 287.5 K equilibrium temperature in 1850, would indeed exceed the 1.2 K ECS derivable from the data for 1850 by about 250%.

The unattainable precisions to which RCS and the system-gain factor are here specified are adopted ad experimentum to illustrate the disproportionately large effect on ECS of a very small change in the system-gain factor, once climatology's control-theoretic error is corrected.

But surely the very fact that a tiny increase in the system-gain factor that is the measure of feedback response can have so disproportionately large an impact on ECS means the current official estimates of ECS are a possibility?

Yes, high ECS is possible. However, after correcting the error one would no longer regard it as near-certain. The following are among the consequences of correcting climatology's control-theoretic error -

First, the near-certainty of apocalyptic warming upon which public policy is currently predicated vanishes. That near-certainty was an artefact of climatology's error of physics.

Secondly, given the assumption, implicit in official climatology's midrange estimates of 4 K ECS on the 1850 data and 3.9 K today, that the system-gain factor in the industrial era is very close to constant, and given the continuing failure of global temperature to rise at anything like the predicted rate, high ECS is not possible after all.

Thirdly, the official estimates of ECS, rooted in and consequent upon climatology's control-theoretic error, are predicated upon a currently-estimated system-gain factor so absurdly large that, after correction of the error, it would imply ECS of several hundred degrees. More of this later.

Fourthly, since climatology's currently-estimated midrange system-gain factor 2.2 is derivable directly from its midrange estimates of individual feedback strengths, and since even the most fanatical climate Communists do not yet assert that ECS is several hundred degrees, those feedback strengths are manifestly excessive.

Fifthly, since climatology's imagined feedback strengths are diagnosed from the outputs of the general-circulation models (which do not incorporate feedback math directly), and since those feedback strengths are unquestionably excessive and their intervals untenably broad, the models' outputs are in this crucial respect unsound. They are, therefore, irredeemably valueless for predicting future warming.

Sixthly, the interval of climatology's system-gain factor, implicit in the enormous officially-published uncertainties in individual feedback strengths, runs from unity to infinity. It is the least well-constrained quantity in the entire history of physics.

Seventhly, since climatology cannot constrain its system-gain factor, all of its predictions of global warming - predictions upon which scientifically-illiterate Western politicians have been inveigled into destroying their economies in the name of Saving The Planet - are no better than guesswork.

Can you explain in simple terms how the feedback loop works?

By all means. Consider the position in 1850. The system diagram below is based on a far simpler formulism than is used in control theory. The simpler formulism that we have developed, under the meticulous guidance of a tenured professor of control theory who is examining the latest draft of our paper as we speak, is functionally equivalent to the more complex formulism that is traditional. It produces the same output for the same inputs, but it is a whole lot easier to follow.

Simplified temperature-feedback formulism: Dark blue quantities are common to both climatology's method and the corrected method; climatology's erroneous quantities are italicized in red; and corrected quantities are in green.

Let us stroll around the feedback loop, beginning at the summative input-output node (marked with a '+') at the top. We begin, as climatology does not, with the fact that the Sun is shining. Therefore, the 255 K emission temperature must be included as an input to the loop. Climatology, in its bottomless ignorance of control theory, ignores it altogether.

The only input that climatology feeds into the summative node is the 8 K natural reference sensitivity - i.e., the direct warming by preindustrial noncondensing greenhouse gases.

Now we follow the arrows. Climatology's output signal, ignoring the 255 K emission temperature and its large feedback response, is the 32 K natural greenhouse effect. The corrected output is 255 K + 32 K, the 287 K the global mean surface temperature in 1850.

Continuing clockwise round the loop in the direction of the arrows, we enter the feedback block. The feedback fraction, the value of that block treated as an operator at a given moment (here 1850), is simply the fraction of equilibrium temperature represented by feedback response.

However, again climatology ignores the big yellow elephant in the sky and omits the 255 K emission temperature and, therefore, the feedback response thereto. Accordingly, it imagines (nonsensically) that the feedback fraction is equal to 24 K / 32 K, or 0.75, an enormous value (explicitly stated in Lacis et al. 2010, for instance) that is wildly implausible a priori in an essentially thermostatic system.

Over the past 810,000 years (you're too young to remember), global temperature reconstructed by Jouzel et al. (2007) from Greenland ice cores has varied by little more than your thermostat at home allows when the heating is on. That is how near-perfectly thermostatic the climate is - not that you'd think it if you have swallowed official climatology's lurid predictions of up to 11 K warming this century from our sins of emission.

The corrected feedback fraction is not 24 / 32 but 24 / (255 + 32), or 0.08. Thus, the error has misled climatology into overestimating the feedback fraction by an order of magnitude (i.e., getting on for tenfold).

Two important quantities associated with the feedback fraction may now be derived: first, the crucial system-gain factor, the ratio of the equilibrium temperature signal after accounting for feedback response to the reference temperature signal before accounting for feedback response.

One troll has tried to imply that the term 'system-gain factor' is not used in control theory. Well, it is. Get over it.

As we have seen, the true system-gain factor is not 32 / 8, or 4, but (255 + 32) / (255 + 8), a tad below 1.1. Climatology's value is about four times what it should be.

But the full horror of the control-theoretic error perpetrated throughout climatology is best discerned by comparing the erroneous and corrected unit feedback responses. The unit feedback response is the ratio of the feedback response to the reference signal. The feedback response in 1850 is known to have been about 24 K. Climatology's unit feedback response, then, is 24 / 8, or 3. Yet again, climatology forgets the sunshine. The corrected unit feedback response is 24 / (255 + 8), or less than 0.1. Note that the unit feedback response is necessarily 1 less than the system-gain factor, as the equations at bottom right of the diagram show.

The full measure of climatology's horrific mistake can be clearly discerned once one realizes that its idiotically elevated unit feedback response is no less than 30 times the corrected value. No surprise, then, that climatology profitably predicted pandemonium. But it was wrong to do so. No expectation of catastrophe legitimately arises. Apocalypse? No!

Going on round the loop, the product of the output temperature signal and the feedback fraction is the feedback response in Kelvin. Here, since the 24 K feedback response is known and thus serves, unusually, as an input, both methods give the same answer: 24 K.

Returning to the summative input-output node where we started, the 24 K is fed into the summative input-output node, where it is added to the reference signal to give the output signal.

Climatology neglects the 255 K sunshine temperature. Therefore, its output is the 32 K sum of the 8 K natural reference sensitivity and the 24 K total feedback response. The corrected output, the 287 K equilibrium surface temperature in 1850, is thus 255 K greater than climatology's 32 K.

And that, as a group of control engineers in Australia recently commented on seeing our simplified feedback formulism, is the simplest mathematical explanation of the operation of the feedback loop that you will see anywhere. It exposes the catastrophic effects on all the relevant variables if, as climatology does, one forgets the Sun is shining and does not input the emission temperature to the feedback loop.

Of course, one can do calculations based only on the deltas - the perturbationsin temperature before and after feedback response. But one must first apply the equations of the feedback loop properly, and that means taking explicit account of the base signal, emission temperature itself.

One final point. The climate activists try to maintain that system diagrams functionally identical to the one I have used here apply only to dynamical systems in which the system-gain factor is constant over time. In reality, however (and this is elementary), such a diagram may also serve to describe the state of any dynamical system - whether linear or non-linear - at a particular moment of interest (here 1850).

For when we say that feedback response at any given moment is strictly proportional to the respective contributions of the constituents in the reference temperature at that moment, we are saying nothing whatsoever about whether that system is linear or non-linear.

Ex definitione, where we describe the state of a system at a particular moment, we are not concerned at that moment with whether the system is linear or non-linear. We merely represent and reveal the relations and interactions between the relevant parameters as they stand at that particular moment.

Why must feedback response be close to linear after correction of climatology's error?

One of the trolls commenting on our result is furious that we have adopted the apparently self-contradictory position of stating that the system-gain factor in a dynamical system such as the climate is not necessarily constant over time, but that in the real climate it is necessarily near-constant.

So let us explain. We have already shown that, after correction, a mere 1% increase in the system-gain factor compared with 1850 will engender a 250% increase in ECS today compared with the value derivable from the data for 1850.

But ***IPCC***'s current midrange estimate of the system-gain factor is not just 1% greater than the value derivable for 1850. Based on energy-budget data in ***IPCC*** (2021), it is 2.2, approximately double the value in 1850. Once again, simple arithmetic is all we need in order to demonstrate that so large a system-gain factor is an impossibility.

To derive ECS today, we must multiply today's reference temperature, including RCS, by today's imagined (and imaginary) system-gain factor 2.2 and then subtract the 287 K equilibrium temperature in 1850, which was the product of the then system-gain factor 1.095 and the then (255 + 7.6) K reference temperature.

Today's reference temperature, bearing in mind that the Sun is shining and that, therefore, the 255 K emission temperature engenders its own large feedback response, is the sum of 255 K and the 1850 reference sensitivity of 7.6 K plus the 1.06 K reference sensitivity to a forcing since 1850 equivalent to doubling the CO2 in the air.

So here goes: 2.2(255 + 7.6 + 1.06) - 287.5 = 292.6 K ECS. In the real world, though, ECS is not approaching 300 K. It is little more than 1 K.

That result shows just how abysmally excessive and utterly wrong are ***IPCC***'s imagined values for individual and collective feedback strengths. It also shows why all existing methods of trying to derive ECS are doomed to fail. The models cannot do it, because the feedback strengths diagnosed from their outputs are massively excessive. The energy-budget method can't do it either, for the same reason. A fortiori, one cannot derive ECS from paleoclimate observations, whose uncertainties are still greater than today's.

The truth is that just about every word that has ever been written about climate sensitivity in hundreds of thousands of earnest but fatally misguided papers by climatologists, and in the interminable succession of interminable reports by the interminable ***IPCC***, is utter nonsense.

Replace ***IPCC***'s midrange system-gain factor 2.2 with the value 1.095 derived from the data for the equilibrium in 1850 and ECS comes out at 1.2 K, not almost 300 K. Replace it with the system-gain factor 3.7 implicit in the CMIP6 models' current 3.9 K midrange ECS estimate and ECS approaches 600 K. That is how silly the models are.

Is a high ECS value consistent with feedback theory if the system is nonlinear?

Yes, but, as we have demonstrated, the nonlinearity is necessarily minuscule. Otherwise, on the basis of ***IPCC***'s current midrange system-gain factor 2.2, by now global absolute temperature would have approximately doubled, and it hasn't, and of course it won't.

Why do you say that unless the system-gain factor is near-constant ECS will be hundreds of degrees?

The reason why current midrange estimates of the system-gain factor produce ECS values in the hundreds of degrees is that the system-gain factor (and thus any increase therein) will amplify not only the perturbation signal, reference sensitivity, but also the base signal, emission temperature itself. Global temperature has simply not risen at anything like a fast enough rate to be consistent - after correction of the error - with the high ECS predicted by official climatology.

Is your result merely bad extrapolation?

No. We do not extrapolate. We merely illustrate. It is climatology's result that is bad extrapolation, based on miscounting the feedback response to emission temperature as though it were part of the actually minuscule feedback response to anthropogenic greenhouse gases, rendering that response and, therefore, ECS very much larger than is physically tenable.

Why is your result so obscure?

Control theory is hard (or, at least, it was until we derived the simplified but functionally equivalent formulism shown in the system diagram: the equations underlying that simple formulism are a whole lot simpler than the current equations).

Our professor of control theory tells us that at the end of each year, when he announces that nearly all his students will never have to wrestle with control theory ever again, he is met with thunderous applause. Control theory is hard work. We have done our best to carry out that work.

We have also done our best to try to make matters simple enough for any genuinely interested person to understand what we have found.

However, the efforts of the sullen climate Communists to confuse the issue, combined with some striking instances of flat-out ignorance on the part of people who have little or no qualifications, experience, publication record or knowledge of control theory and have not even bothered to consult those who have, has made our task somewhat harder.

For our result is fatal to the profiteers of doom. They will try to do whatever it takes to suppress it. But they will fail. For the truth is the truth, and it cannot be indefinitely fogged by artful obfuscation, interfered with, denied, repudiated or even concealed or suppressed. Journal editors and reviewers, please note.

Surely climatologists realized that the Sun was shining and, therefore, bore in mind the feedback response to the 255 K emission temperature?

Just look at the system diagram again, and weep. It is abundantly clear from the patient, step-by-step calculations discussed above that at every material point in the feedback loop official climatology has persistently ignored emission temperature and its large feedback response. Therefore, its sums are wrong.

One or two have tried to suggest that because 255 K is about 18 degrees below freezing there would be no greenhouse effect at that temperature and that, therefore, climatologists were right to leave emission temperature out of account. Two answers to that:

First, it is an elementary schoolboy howler to try to derive emission temperature by a single, global application of the Stefan-Boltzmann equation. Instead, the equation should be performed over a series of annuli at various distances from the subsolar point, and the result integrated. A few years ago I did that exercise to see whether I could replicate the profile of surface temperature on the Moon as reported by the Diviner experiment. The curve I calculated by the annular method was more or less identical with that which - at a cost of billions - the Diviner satellite had spent years measuring.

One result of that interesting exercise was the discovery that - were it not for the numerous non-radiative transports of heat in the climate system - immediately beneath the subsolar point the oceans would boil, even if there were no greenhouse gases in the air. Therefore, even at a mean global emission temperature of no more than 255 K, the entire tropical ocean would be ice-free and water-vapor feedback would at once be present.

Secondly, and far more importantly, we do not need - after all - to try to imagine what the conditions on Earth would be like at emission temperature, and before the action of any feedback. For the starting-point of our calculations is 1850. That moment is of great interest, because it is far closer to the present, and because the climate was at that moment not significantly influenced by us, and because the climate was then at equilibrium.

At that time, like it or not, the reference signal was the sum of the 255 K emission temperature and the 8 K natural reference sensitivity, and the 24 K feedback response was a response to that entire reference signal and not, as official climatology foolishly imagines, only to the 8 K natural reference sensitivity.

Since feedback processes are inanimate, they cannot pick and choose which degrees of the temperature prevailing at a given moment they will respond to and which they will not. Therefore, at that or any particular moment, the feedback response must be apportioned in strict proportion to the values of the individual components in the reference signal.

The correct apportionment is about 23.3 K feedback response to the 255 K emission temperature and 0.7 K feedback response to the 8 K direct warming by the preindustrial noncondensing greenhouse gases - and not, as climatology imagines, 24 K feedback response to that 8 K natural reference sensitivity and 0 K feedback response to the 30-times-larger emission temperature. One has only to state the matter that way to see how silly the error is.

At 255 K emission temperature, is it not right that there would be very little water vapor, and, therefore, very little water-vapor feedback?

No. There would be a lot of water vapor in the tropics, right from the get-go. Do the Stefan-Boltzmann calculation for the subsolar point, and then for the tropics of Cancer and of Capricorn, and for any point in between. The entire tropics would be ice-free under anything like modern celestial conditions if there were no greenhouse gases in the air at the outset. The water vapor feedback would begin operating immediately.

Surely your statement that 'at any given moment - such as 1850 - any feedback processes then subsisting must perforce respond equally to the entire (255 + 8) K reference temperature, and hence proportionately to each component therein' implies that feedback in the climate system responds in a linear fashion?

No. Ex definitione, as noted earlier, if one is considering the system at a single particular moment of interest, one does not, at that moment, need to take any nonlinearities into account.

Surely you are incorrect to say that climatology's high ECS estimates resulted from climate modelers' failure to take the sunshine into account?

By now, if you have gallantly read this far, it will be entirely apparent to you that the chief reason why official climatology predicts high ECS is its elementary error of control theory.

Why have you written so often here at WUWT about the supposed error?

We have developed our ideas with no small assistance from WUWT and its army of informed commenters because many of them have sufficient expertise and knowledge of the facts and the data to be able to understand what we have found, and to assist us in refining our discovery.

Besides, just about every other avenue is closed off by the far Left in the media, in politics and even in ordinary conversation. They know they are wrong, but they cannot tolerate the loss of face that would arise if they admitted it. So they stifle debate. They no longer believe in freedom of speech, thought, research, publication or action, if ever they did.

So you're saying that you're right and the rest of the world is wrong?

No. I am saying that a team of specialists in all the relevant disciplines, after years of study and after wrestling with colleagues on both sides of the debate who are too profoundly embarrassed by the error ever to admit that they have perpetrated or perpetuated it, have concluded that the climate-change narrative is fatally compromised by climatology's error, at a vital point in its climate-sensitivity calculations, in forgetting that the Sun is shining.

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SAN FRANCISCO, April 4, 2022 /3BL Media/ - Cool Effect[1], a Bay Area based nonprofit dedicated to supporting voluntary carbon projects around the globe, is celebrating the positive impact carbon credits can have for people and planet by highlighting 'The Good on the Ground' to kick-off Earth Month. The recent release of the Sixth Assessment Report from the United Nations' Intergovernmental Panel on Climate Change (***IPCC***) sounded the alarm 'Code Red for Humanity' and called upon us all to take immediate action. The report identifies the need to protect nature and rebuild ecosystems while also decarbonizing as a critical solution to addressing the current climate crisis. 'The Good on the Ground' highlights the efforts of carbon credit projects that are verifiably reducing harmful greenhouse gases while also providing benefits to local communities.

Two exemplary projects from Cool Effect's portfolio include a native grassland preservation project in Montana and improved forest management efforts in Mexico.

Grass is Greener[2]: Native grasslands are considered one of the most endangered ecosystems on the planet. This project on 16,000 acres in Montana is no exception. Despite suitability of the soil for agriculture in the project area, at the start of this project, a conservation easement was put in place to protect the land in perpetuity from conversion to farmland. Because of its unique location adjacent to other conserved public lands, it is part of one of the most intact grasslands on the continent. The grasslands are home to robust wildlife populations, including species of high conservation concern such as the Swift Fox, the Greater Sage Grouse and four songbirds. Seeing the Forest for the Trees[3]: Mexico's 65 million hectares of forest are disappearing at the rate of 1 million hectares a year. This community-based project encourages residents to preserve and grow the biomass in their standing forests. It mitigates forest degradation by restoring areas impacted by severe erosion, analyzes those affected by disease, fire, and pests, and prevents damage by fires, grazing, and illegal use of forest resources. Projects use funding from the sale of carbon credits to support local families by improving water supply, creating community centers or providing an incentive to prevent mass conversion of forest to highly profitable crops such as avocado.

'The ***IPCC*** report reinforces the importance of ensuring that the world's climate victims are included in climate mitigation strategies. High-quality carbon credits can play a role in mitigation and the transition to net zero while providing income that efficiently reaches the bottom of the pyramid,' said Cool Effect Co-Founder and Director, Dee Lawrence. 'I have confidence in the effectiveness of the projects we work with and their ability to verifiably reduce carbon emissions. I've seen how transformative payments for these kinds of ecosystem services can be. I continue to be inspired by individuals on the ground who are working to save forests, improve biodiversity, reduce greenhouse gas emissions while improving life and providing new opportunities for their communities.'

Cool Effect is recognizing the outstanding impact of carbon-reducing projects at a time when demand and interest in carbon credits continues to grow, and governments and companies are working swiftly to decarbonize. In 2021 alone, the number of businesses reaching out to Cool Effect doubled and donations to Cool Effect's portfolio of carbon projects increased by over 150%. According to Ecosystem Marketplace, the voluntary carbon market exceeded a record $1 billion worth of transactions in 2021, far outpacing any other year. These new projects demonstrate Cool Effect's commitment to supporting only the most highly effective projects that represent a true carbon benefit, pricing transparency, and secondary benefits in the communities where the projects are based.

'Understanding impact of each carbon project has become a key factor for businesses; as they work toward net-zero commitments, many are looking for community benefits. They're asking questions to determine how each project is using the funds from carbon financing, particularly at a time when carbon credit prices continue to increase[4],' said Jodi Manning, VP, Director of Marketing and Partnerships at Cool Effect. 'We encourage anyone who uses carbon credits to ask these questions and seek the answers that help them better understand the true impact to people and planet.'

In honor of Earth Month and to serve as an educational resource, Cool Effect has developed an informational infographic to help both business and consumer audiences better understand the lifecycle of a carbon project and the various market players involved in the process.

To view additional resources and download the infographic, visit cooleffect.org/about-us/cool-effect-model[5]. To support Cool Effect's projects or learn more about how to partner with Cool Effect to develop a meaningful sustainability and carbon credit program, please visit cooleffect.org/for-business[6].

About Cool EffectTM Cool Effect is a San Francisco Bay Area 501(c)(3) nonprofit dedicated to reducing carbon emissions around the world. Endorsed by 1% for the Planet, its mission is to educate and then inspire businesses and individuals to take measurable action against climate change by purchasing scientifically verified carbon offsets from the world's highest quality projects. It returns more than 90% of each donation directly to its project partners and, since its launch at the Paris COP in 2015, has helped projects receive compensation for three million tonnes of emission reductions. Like the Butterfly Effect, The Ripple Effect, and others, a single action can have global impact. To learn more, please visit cooleffect.org[7] or follow Cool Effect on Facebook[8], Instagram[9], LinkedIn[10] and Twitter[11].

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[ 1]: [*http://cooleffect.org*](http://cooleffect.org)/ [ 2]: [*https://www.cooleffect.org/project/grass-is-greener*](https://www.cooleffect.org/project/grass-is-greener) [ 3]: [*https://www.cooleffect.org/project/seeing-the-forest-for-the-trees*](https://www.cooleffect.org/project/seeing-the-forest-for-the-trees) [ 4]: [*https://www.csrwire.com/press\_releases/731506-state-carbon-pricing*](https://www.csrwire.com/press_releases/731506-state-carbon-pricing) [ 5]: [*https://www.cooleffect.org/about-us/cool-effect-model*](https://www.cooleffect.org/about-us/cool-effect-model) [ 6]: [*http://cooleffect.org/for-business*](http://cooleffect.org/for-business) [ 7]: [*https://www.cooleffect.org*](https://www.cooleffect.org)/ [ 8]: [*https://www.facebook.com/cooleffect2*](https://www.facebook.com/cooleffect2) [ 9]: [*https://www.instagram.com/cooleffect\_*](https://www.instagram.com/cooleffect_)/ [ 10]: [*https://www.linkedin.com/company/cool-effect*](https://www.linkedin.com/company/cool-effect) [ 11]: [*https://twitter.com/cool\_effect*](https://twitter.com/cool_effect)

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[***The climate costs of pay now/pay later spelled out***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9JS1-JCMN-Y0NY-00000-00&context=1516831)

Newstex Blogs

24/7 Wall St.

April 5, 2022 Tuesday 2:10 PM EST

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**Length:** 580 words

**Byline:** Trey Thoelcke

**Body**

Apr 05, 2022( 24/7 Wall St.: [*http://www.247wallst.com*](http://www.247wallst.com)/ Delivered by Newstex)

By David Callaway, Callaway Climate Insights[1]

(David Callaway is founder and Editor-in-Chief of Callaway Climate Insights. He is the former president of the World Editors Forum, Editor-in-Chief of USA Today and MarketWatch, and CEO of TheStreet Inc.)

United Nations climate reports are usually disturbing affairs, with hundreds of pages of scientific analysis and contributions from dozens of experts adding up to a handful of colossal warnings about the disasters to come. But behind the headlines of the Intergovernmental Panel on Climate Change'slatest update today[2]were some surprisingly upbeat assessments.

Despite the surge in fossil-fuel costs and the environment-ravaging effects of the war in Ukraine, the ***IPCC*** says the world possesses the technology and the financial potential to still halve its carbon footprint by the end of this decade. Such a feat could keep us near the 1.5C. limit of average global temperature rise we need to stay within to avert a huge rise in floods and fire.

The group also said that financing gaps, the amount of money needed to transition the world to renewable energy, are running three to six times lower than they need to be, but that with the right public policy leadership, the funds are there to get the job done, at least on the private side. . . .

To read the full column, all our insights, news and in-depth interviews, please subscribe and support our great climate finance journalism.

Callaway Climate Insights Newsletter[3]

[ 1]: [*https://www.callawayclimateinsights.com*](https://www.callawayclimateinsights.com)/ [ 2]: [*https://email.mg2.substack.com/c/eJwlkc2OrCAQhZ-mWRoFRF2wmEzm3vRuMptZkhJKmwyiofAa79MPdiekTpGc-slXFjLOazr1tlJmVzD53FBHPChgzpjYTpiMd7oVom-Y09I1fdszT2ZKiAv4oHPakW37GLyF7Nd42YWQXLBHsY9dK4GLTg6gxND0OHIrm6ZVnZrU-BoKu\_MYLeo1hvPZmAX9yHmjm3i78T\_lHcdR-c3ayj7Kj3zGIkCEmUqyb2EFd2W85rxILUu4f76\_m7cvZb7\_3u9385mQ6AsDAqH5iHPw9Kg2NzGvr6pa1rIZRCvbilfobMexV8PU1qNQWHUn-m36TzdZLzOvaB8pg\_2p7LqwpN26zwEIFutjPhMWF5fdASFQfloKHlN02aPPp8EIY0D3Ipdf9J8szYwRU7mKM5B1o-TQ1PUgB96rF6nrEo0qi8qWlR3cWqqidvDPO1umwQHnL0M5nXU*](https://email.mg2.substack.com/c/eJwlkc2OrCAQhZ-mWRoFRF2wmEzm3vRuMptZkhJKmwyiofAa79MPdiekTpGc-slXFjLOazr1tlJmVzD53FBHPChgzpjYTpiMd7oVom-Y09I1fdszT2ZKiAv4oHPakW37GLyF7Nd42YWQXLBHsY9dK4GLTg6gxND0OHIrm6ZVnZrU-BoKu_MYLeo1hvPZmAX9yHmjm3i78T_lHcdR-c3ayj7Kj3zGIkCEmUqyb2EFd2W85rxILUu4f76_m7cvZb7_3u9385mQ6AsDAqH5iHPw9Kg2NzGvr6pa1rIZRCvbilfobMexV8PU1qNQWHUn-m36TzdZLzOvaB8pg_2p7LqwpN26zwEIFutjPhMWF5fdASFQfloKHlN02aPPp8EIY0D3Ipdf9J8szYwRU7mKM5B1o-TQ1PUgB96rF6nrEo0qi8qWlR3cWqqidvDPO1umwQHnL0M5nXU) [ 3]: [*https://www.callawayclimateinsights.com/subscribe?utm\_source=menu&simple=true&next=https%3A%2F%2Fwww.callawayclimateinsights.com%2F*](https://www.callawayclimateinsights.com/subscribe?utm_source=menu&simple=true&next=https%3A%2F%2Fwww.callawayclimateinsights.com%2F)

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[***New Ceres Report Identifies Seven Sectors Putting Global Freshwater Resources at Risk***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656J-3V91-F03R-N3DS-00000-00&context=1516831)

Newstex Blogs

3BL Blogs

April 11, 2022 Monday 5:20 PM EST

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**Length:** 2009 words

**Byline:** ceres

**Body**

Apr 11, 2022( 3BL Blogs: [*http://3blmedia.com*](http://3blmedia.com)/ Delivered by Newstex)

April 11, 2022 /3BL Media/ - A new report released today by the sustainability nonprofit Ceres[1] reveals how industry practices are driving five critical threats to global freshwater systems - groundwater depletion, metal contamination, plastic pollution, water diversion and transfer and eutrophication. The analysis also makes clear that 12 key industries within seven sectors - including frequent offenders like Food Products and Textiles and Apparel and others that are not typically top-of-mind, such as Pharmaceuticals and Semiconductors - stand out as the biggest contributors to these threats, undermining the functionality of global freshwater systems that underpin global economic and societal stability.

The Ceres report, The Global Assessment of Private Sector Impacts on Water[2] ('Global Assessment'), released in partnership with the Valuing Water Initiative, a Dutch government program, provides valuable insights to institutional investors seeking to advance corporate adaptation and innovation to pressing systemic water and climate system threats. By focusing on and investing in these challenges today, companies can substantially reduce financial risks and bottom-line losses down the road. The assessment offers a practical set of recommendations for the private sector. It was developed in partnership with the Global Institute for Water Security (GIWS)[3] at the University of Saskatchewan in Canada, which conducted the science-based research and analysis on the strong linkages between industries, their practices and threatened global water supplies.

The new report analyzes scientific literature to identify the critical sectors and industries - as well as key business practices - most significantly impacting freshwater. Through a comprehensive scientific evidence and literature review, the Global Assessment helps investors connect the dots as to how these damaging impacts pose long-term financial risks, especially as population growth and climate change dramatically impact the planet. The assessment evaluates industry impacts based on severity, such as the damage caused to water resources, and the systemic nature of those impacts. It also examines the extent to which damage is affecting accessibility of other water users regionally.

'Many of the world's largest institutional investors have yet to consider the private sector's impact on freshwater when making investment and engagement decisions,' said Kirsten James, senior program director of water at Ceres. 'The Global Assessment of Private Sector Impacts on Water makes the extent of those impacts clear for investors and outlines which industries are causing the most harm - and have the most to lose - if improvements aren't made. Investors have a critical role to play in spurring greater corporate engagement on water stewardship, and we hope this assessment is a useful tool to help them strategically focus their efforts.'

The Global Assessment comes as the latest report from the Intergovernmental Panel on Climate Change[4] warns of how the world stands on the precipice of unavoidable and irreversible adverse impacts from rising temperatures. The climate crisis is directly impacting the global water cycle[5] and the distribution and availability of freshwater around the world, acting as a threat to the existing water crisis.

Given there is more to learn about how the private sector can and must fully engage in finding and implementing solutions, the assessment offers detailed recommendations to help investors strategically focus engagements with the private sector and what they should expect from companies when it comes to global water threat adaptation and innovation, including via seven core actions:

Water quantity: Ensure practices do not negatively impact water availability Water quality: Ensure corporate activities do not pollute local and regional water bodies Ecosystem protection: Ensure business activities do not degrade natural ecosystems; help restore ecosystems the business depends on Access to water and sanitation: Collaborate on efforts to support clean water access and sanitation in the communities in which the business operates and those it impacts Business integration: Integrate water-related risks and opportunities into corporate governance and decision-making at all levels across the organization; disclose comprehensive water use across the corporate supply chain Public policy engagement and water governance: Proactively support public policies and water governance structures that further sustainable water resource management Multi-stakeholder collaboration: Build, engage and invest in industry and cross-industry efforts that challenge traditional business practices and encourage both research and system-level changes

'This report is the first of its kind to clearly establish the scientific case that industry activities are leading to severe and systemic impacts to freshwater resources,' said Jay Famiglietti, executive director of the Global Institute for Water Security at the University of Saskatchewan. 'Our research clearly makes a case that industries - such as food production, energy production, textiles, and technology - must do better not only to protect the freshwater resources of our planet, but to remain competitive in the market.'

For more than a decade, Ceres has been building the scientific and financial case for investor water action via the Ceres Investor Water Hub[6], Ceres Investor Water Toolkit[7] and, more recently, through preparations for the engagement phase of the Ceres Valuing Water Finance Initiative,[8] which is set to be formally launched later this year. Ceres has partnered with the Government of Netherlands on an overall effort - Valuing Water Initiative[9] -- to catalyze capital market leaders to address water risk as a financial risk.

Additional reaction:

'Industry has much to lose from critical water risks, and how it responds to these intensifying issues will determine our economic, environmental and societal futures,' said Betty T. Yee, California State Controller. 'The private sector must take concrete steps to address pressing water scarcity and quality issues, and the scientific case for action outlined in The Global Assessment highlights the urgency for financial institutions to engage with companies on water scarcity and quality issues.'

'Changing how water is valued requires collective effort and the private sector is critical to action and progress,' said Iris Bijlsma, Lead, Valuing Water Initiative. 'While some companies have made progress in addressing their water impacts, system-wide change is necessary to truly mitigate the water crisis's far-reaching financial risks.'

'Threats to our environment not only pose risks to our communities and ecosystems, but they can have a harmful financial impact on institutional investors,' said Michael Frerichs, Illinois State Treasurer. 'Investors have a direct interest ensuring that the companies in which they invest are managing water resources sustainably and not exposing their business to legal, regulatory and reputational risks that can harm shareholder value. This new report will help companies, investors and other stakeholders better pinpoint escalating risks, identify best practices and use that information to better protect all parties.'

'The Global Assessment clearly demonstrates the severe and systemic nature of the impacts from industry on freshwater resources,' said Andrew Gray, Director, ESG & Stewardship, AustralianSuper. 'This report provides investors with clear evidence on these impacts and highlights the potential financial risks they pose to investee companies and investment portfolios.'

"Investors everywhere should take note of this report because it offers clear insights into how industries continue to exacerbate threats to global freshwater systems,' said Sophia Cheng, CIO of Cathay Financial Holdings and Chair of the Asia Investor Group on Climate Change. 'These threats pose long-term financial risks that prudent investors must address in their portfolios, and this report offers tangible steps we can all take starting today.'

Upcoming investor engagements will encourage companies within the identified key industries in the assessment to make substantial progress on addressing their water impacts.

About Ceres

Ceres is a nonprofit organization working with the most influential capital market leaders to solve the world's greatest sustainability challenges. Through our powerful networks and global collaborations of investors, companies and nonprofits, we drive action and inspire equitable market-based and policy solutions throughout the economy to build a just and sustainable future. For more information, visit ceres.org[10] and follow @CeresNews.[11]

About Global Institute for Water Security

The Global Institute for Water Security (GIWS) at the University of Saskatchewan is the top water resources research institute in Canada and one of the most advanced cold regions hydrology centers in the world. GIWS is dedicated to helping protect precious freshwater resources needed for the world's growing demand for sustainable food production, mitigating the risk of water-related disasters such as floods, droughts, and fires, predicting and forecasting extreme global change through the use of advanced remote sensing and modelling techniques, and co-creating traditional knowledge with western science to empower Indigenous communities in protecting water health. www.water .usask.ca[12].;;

About Valuing Water Initiative

The Valuing Water Initiative (VWI) calls for water to be prioritised in decision making to ensure we can live in a sustainable water-secure world. VWI uses practical case studies to showcase the implementation of the United Nations Valuing Water Principles in order to bring systemic change in the way water is valued in policy, practice, finance and behaviour and to inspire others to do the same. VWI was launched at the World Economic Forum in January 2019 by Dutch Prime Minister Mark Rutte.

[ 1]: [*https://www.ceres.org*](https://www.ceres.org)/ [ 2]: [*https://www.ceres.org/resources/reports/global-assessment-private-sector-impacts-water*](https://www.ceres.org/resources/reports/global-assessment-private-sector-impacts-water) [ 3]: [*https://water.usask.ca/index.php*](https://water.usask.ca/index.php) [ 4]: [*https://www.****ipcc****.ch/report/sixth-assessment-report-working-group-ii/*](https://www.ipcc.ch/report/sixth-assessment-report-working-group-ii/) [ 5]: [*https://www.circleofblue.org/2022/wef/perspective-****ipcc****-paints-a-bleak-picture-for-water-but-there-is-a-way-forward/*](https://www.circleofblue.org/2022/wef/perspective-ipcc-paints-a-bleak-picture-for-water-but-there-is-a-way-forward/) [ 6]: [*https://www.ceres.org/water/investor-water-hub*](https://www.ceres.org/water/investor-water-hub) [ 7]: [*https://www.ceres.org/resources/toolkits/investor-water-toolkit*](https://www.ceres.org/resources/toolkits/investor-water-toolkit) [ 8]: [*https://www.ceres.org/water/valuing-water-finance-initiative*](https://www.ceres.org/water/valuing-water-finance-initiative) [ 9]: [*https://valuingwaterinitiative.org*](https://valuingwaterinitiative.org)/ [ 10]: [*https://ceres.org*](https://ceres.org)/ [ 11]: [*https://twitter.com/ceresnews*](https://twitter.com/ceresnews) [ 12]: [*https://water.usask.ca/index.php*](https://water.usask.ca/index.php)

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[***Africa looks to renewables to curb warming, boost economies***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6555-K8N1-JCMN-Y0S0-00000-00&context=1516831)

Newstex Blogs

MarketBeat

April 4, 2022 Monday 7:06 PM EST

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**Length:** 1574 words

**Body**

Apr 04, 2022( MarketBeat: [*https://www.marketbeat.com*](https://www.marketbeat.com)/ Delivered by Newstex)

An aerial view of a solar power plant in Ouarzazate, central Morocco on Feb.4, 2016. Renewable energy's potential across the African continent remains largely untapped, according to a new report in April 2022 by the United Nation's Intergovernmental Panel on Climate Change. (AP Photo/Abdeljalil Bounhar, File)

MOMBASA, Kenya (AP) — From wind farms across the African coastline to geothermal projects in the east African rift valley, a new United Nations climate report on Monday brought the continent's vast clean energy potential into the spotlight. If realized, these renewable energy projects could blunt the harshest global warming effects, power the continent's projected economic development and lift millions out of poverty, the report said.

The U.N.'s Intergovernmental Panel for Climate Change report comes at a time when Africa's renewable energy business is already booming. Many African nations are intensifying efforts to embrace alternative renewable energy pathways and shift away from fossil fuel dependency, with countries such as Kenya, Tanzania, Morocco, Egypt, Ethiopia and South Africa taking the lead on large-scale clean energy adoption.

Yet Africa has attracted just 2% — $60 billion — of the $2.8 trillion invested in renewables worldwide in the last two decades and accounts for only 3% of the world's current renewable energy capacity. Limiting warming to 1.5 degrees Celsius (2.7 degrees Fahrenheit) or 2C (3.6F), in line with the 2016 Paris climate agreement, will involve even greater energy system transformation, the U.N. report said.

That means more renewable energy intiatives, such as Kenya's Lake Turkana Wind Power, launched in 2019 some 600km (372 miles) northwest of the capital Nairobi and making up 18% of the country's energy production, are needed. Its CEO, Phylip Leferink, said large projects like these can be replicated, but it remains logistically challenging.

'The wind conditions in the north of Kenya are rather unique for the continent. You will be hard-pressed to find another location in Africa with a similar wind regime,' Leferink said. '(This) however does not mean that there is no potential for other wind projects in Africa; there most certainly is. Especially the African coastline, from Djibouti all the way south around South Africa and up north again up to Cameroon, has good wind potential and certainly warrants initiatives in this regard.' (Ad) Each 70 kWh Tesla Model S battery pack contains nearly 140 pounds of lithium, the energy metal. The megatrend of electrifying vehicles will only add to lithium demand, expected to skyrocket 1,000% or more by 2030.

The project is already in good company, with off-grid solar power also contributing to the country's energy production. In Nakuru county, some 167km (104 miles) northwest of Nairobi, James Kariuki signed up for M-Kopa solar power, a pay-as-you-go low-cost financing for off-grid solar power to his home.

'When I installed solar power into my home, I ended up making considerable savings from the use of kerosene lamp for lighting and charcoal in my house,' Kariuki said. 'Hospital bills for my family have since gone down and we now have internet and watch international sports in my home.'

Since 2012, M-Kopa has powered over 225,000 homes in Kenya, Uganda and Tanzania with off-grid solar power. Kenya has also been expanding its geothermal and bioenergy capacity for several years.

These initiatives are a firm step in the right direction, according to report author and energy expert Yamina Saheb.

'Renewable energy sources are definitely an important mitigation strategy for Africa, offering its citizens decent living standards by developing infrastructure and buildings that do not require carbon intensive solutions,' Saheb told the Associated Press. 'The whole continent could go solar including PV (photovoltaic) and thermal solar and some countries could also go for wind.'

Solar energy initiatives such as the Noor Ouarzazate complex in Morocco, Benban solar park in Egypt and South Africa's Redstone solar park have sprung up across the continent. The four nations attracted 75% of all the renewable energy investments flows in the region.

Africa has a world-leading capacity for even more solar power initiatives, the report said, with a solar photovoltaic potential of up to 7900 gigawatts. Plans are also underway to explore the potential for geothermal energy in the east African rift valley system and nations dotted around the continent, such as Angola, Sudan and Zambia, are investing in wind and hydropower.

A transition to clean energy is also 'economically attractive' in some circumstances, the ***IPCC*** report said. The U.N. estimates that Africa's continued uptake of renewable energies will see the creation of more than 12 million new jobs. China remains the largest lender of Africa's renewable energy investments followed by the African Development Bank, World Bank and the Green Climate Fund.

'This latest ***IPCC*** working group report on mitigation is a clear indicator that Africa should harness the immense renewable energies opportunities available within the continent to power economic growth and build resilient infrastructure,' said Max Bankole Jarrett, an energy expert and former Africa regional manager at the International Energy Agency. 'Africa's vast renewable energy sources should be a priority not just for the continent but also for the world racing to fulfill the net zero ambition.'

53 African nations have already submitted their voluntary national determined contributions under the Paris climate agreement which details energy plans and outlines targets to curb emissions. 40 of those countries have included renewable energy targets.

Africa suffers some of the most severe effects from climate change, despite being the lowest greenhouse gas emitting continent with the least adaptive capacity. Swathes of the continent still lack access to electricity and cooking fuels: The International Energy Agency estimates some 580 million people were without power in 2019, and the World Health Organization says about 906 million are in need of cleaner cooking fuels and technologies. But providing universal access using non-renewable energy sources would lead to increased global emissions, the report warned.

'Climate action is a key component in meeting the sustainable development goals," it said.

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Associated Press climate and environmental coverage receives support from several private foundations. See more about AP's climate initiative here. The AP is solely responsible for all content.

7 Stocks That are Ready For a Santa Claus Rally[1] With the end of the year approaching, many investors are looking to rebalance their portfolios. That typically means casting a critical eye at some of your strong performers and making a decision on whether they will move higher. And one thing that can dip the balance in favor of retaining a stock is the likelihood of a Santa Claus rally.

The technical definition of a Santa Claus rally is a rally that starts in the last few trading days of the year after the Christmas holiday. In recent years, however, that definition has been expanded to take into account a December rally. And with Black Friday beginning earlier and earlier and really not ending until after the holiday's end, this makes some sense.

So will there be a rally in 2021? I wouldn't bet against it. The market continues to want to move higher and January is historically a strong month for stocks. With that said, we believe quality should still matter. Here are seven stocks that stand to benefit with or without a Santa Claus rally.

View the "7 Stocks That are Ready For a Santa Claus Rally"[2].

[ 1]: [*https://www.marketbeat.com/slideshows/7-stocks-that-are-ready-for-a-santa-claus-rally/1.aspx?utm\_source=BottomOfArticle&utm\_medium=WebsiteInternal&utm\_campaign=7-stocks-that-are-ready-for-a-santa-claus-rally*](https://www.marketbeat.com/slideshows/7-stocks-that-are-ready-for-a-santa-claus-rally/1.aspx?utm_source=BottomOfArticle&utm_medium=WebsiteInternal&utm_campaign=7-stocks-that-are-ready-for-a-santa-claus-rally) [ 2]: [*https://www.marketbeat.com/slideshows/7-stocks-that-are-ready-for-a-santa-claus-rally/1.aspx?utm\_source=BottomOfArticle&utm\_medium=WebsiteInternal&utm\_campaign=7-stocks-that-are-ready-for-a-santa-claus-rally*](https://www.marketbeat.com/slideshows/7-stocks-that-are-ready-for-a-santa-claus-rally/1.aspx?utm_source=BottomOfArticle&utm_medium=WebsiteInternal&utm_campaign=7-stocks-that-are-ready-for-a-santa-claus-rally)

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[***Connecticut must better educate its students on climate change***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6550-7XV1-F03R-N45R-00000-00&context=1516831)

Newstex Blogs

The Connecticut Mirror

April 4, 2022 Monday 4:30 AM EST

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**Length:** 722 words

**Byline:** Maebel Haynes

**Body**

Apr 04, 2022( The Connecticut Mirror: [*https://ctmirror.org*](https://ctmirror.org) Delivered by Newstex)

In schools across Connecticut students are not being taught about the climate crisis. Even in high school climate change is often not woven into the curriculum, leaving students with little-to-no knowledge.

Maebel Haynes

As the climate crisis continues to worsen, as demonstrated[1] in the latest UN report, Connecticut is not preparing youth to handle this issue, an issue that youth will bear the brunt of, particularly in communities that are a majority BIPOC —Black, Indigenous, and People of Color —or low income.

I am currently a sophomore in high school. I have never been taught about climate change to the extent that many people—including our state legislators —believe it is being taught. I have been to Windham Public schools, Hartford Public schools, and now am a student at E.O. Smith High School. Throughout my time at all these schools the extent of my climate education has been the definition of climate change and the greenhouse effect. This is not nearly enough to allow students to understand climate change or possible solutions.

On March 4 I delivered testimony[2] to the CT General Assembly Education Committee in support of HB 5285[3], which would require that all school districts provide climate change instruction as part of the science curriculum. When I informed the legislators how little climate education I have received throughout my 11 years in school, I could see the visible shock on their faces.

It is time to dispel the myth that students are already receiving adequate climate change education. We are not. Instead, we must focus on ensuring that all current and future students receive adequate climate education. This is exactly what HB 5285 strives to accomplish.

This bill, titled An Act Concerning the Public School Curriculum, would require all public schools to teach about the climate crisis and hold them to Next Generation Science Standard (NGSS) levels. Students would have the opportunity to understand the scientific basis of the issue, including human impact, as well as possible solutions, such as a transition to renewable energy.

At the end of the day, climate education is science education. By making it required we are preparing Connecticut's youth for the future. We are ensuring that students are aware of global scientific issues and can act accordingly.

We deserve an education that prepares us for the future and that is exactly what HB 5285 does. To any legislator that may read this, I ask that you support climate education. To every Connecticut resident who might read this, I ask that you write to your legislator and ask that they support HB 5285. I ask everyone to support our students' education and by extension, our future.

Maebel Haynes is a sophomore at E.O. Smith High School, and director of Sunrise Storrs

[ 1]: [*https://www.nytimes.com/2022/02/28/climate/climate-change-****ipcc****-un-report.html*](https://www.nytimes.com/2022/02/28/climate/climate-change-ipcc-un-report.html) [ 2]: [*https://youtu.be/G-9rKx\_lUz4?t=38487*](https://youtu.be/G-9rKx_lUz4?t=38487) [ 3]: [*https://www.cga.ct.gov/asp/cgabillstatus/cgabillstatus.asp?selBillType=Bill&bill\_num=HB-5285*](https://www.cga.ct.gov/asp/cgabillstatus/cgabillstatus.asp?selBillType=Bill&bill_num=HB-5285)

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[***Op-Ed: Climate - Nothing is being achieved, last decade to turn things around***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6555-K8N1-JCMN-Y1KM-00000-00&context=1516831)

Newstex Blogs

Digital Journal

April 5, 2022 Tuesday 2:00 AM EST

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**Length:** 1650 words

**Byline:** Paul Wallis

**Body**

Apr 05, 2022( Digital Journal: [*http://www.digitaljournal.com*](http://www.digitaljournal.com) Delivered by Newstex)

Well, if World War 3 doesn't get you, the climate probably will. According to ***IPCC*** figures, the last chance to keep warming under 1.5C is this decade. The previous decades of insanity have come to this.

The tale is simple enough. You may have seen this before somewhere:

Not a damn thing is happening about emissions. Emissions are skyrocketing at a bonny bouncing 59 billion tons per year[1]. That's about 8.3 tons for every human on Earth. Fossil fuels are doing nicely. Some of the world's folksiest dictatorships are making good money out of selling fossil fuels[2], including Russia.Decades of predictions were right. Extreme climate-related disasters[3] like flooding, droughts, mega-fires and other ultra-expensive hobbies are now normal.Water shortages and quality issues are global daily news. Another much-predicted problem, water, is now a continuous issue worldwide[4].The Amazon rainforest continues to disappear. The rainforest is still being decimated[5] on an annual basis.Pollution in its many forms is getting worse. Despite decades of evidence of dangerous pollution[6], and at least 6-digit numbers of deaths per year from pollution, no action is being taken.Ocean temperatures, acidification and anoxic (very low oxygen) levels continue to rise. The continuous pattern of chemical change and more heat[7] is causing the ocean food chain to be directly affected. Hot seas also cause hurricanes.Crop failure is rising. US crop failures due to drought[8] and similar events are hammering the food supply chain.Plastics are as much of a problem as they seem to be. This mega-problem is generating a lot of news, and solutions[9], but it's huge and must be fixed.

Synopsis of failure on every level

If simple cheap emissions control measures like basic capture at source filtering had been put in place 30 years ago, this wouldn't be happening at all. Nothing was done.

Politics, that home of genius, made sure that nothing was done. A herd of political and pseudoscientific skanks took the money and ran out the clock. Billions of dollars paid for some of the worst anti-science rhetoric in history for over a generation.

This 'environmental filibustering' is likely to do even more exponential damage. The political positions haven't changed, and they're simple enough, too:

Conservatives: There isn't a problem.

Progressives: Verbose outrage and obsessive naivete.

The conservatives are simply lying and getting paid for it. The progressives seem to believe that the utterly corrupt, criminal system which has created the catastrophes to come will somehow fix itself.

Turnaround is possible

Given the levels of total irresponsibility criminality, and greed, the main obstacle to climate reversal is human rather than technical. The required science is doable, and/or already exists.

The anti-regulatory, anti-compliance political environment is the key to undoing the damage. We'll leave out the insanity issues and focus on fixing the basic theory that common sense is somehow illegal.

(Yes, conspiracy nuts, not poisoning yourself is a form of socialism, like birds, trees, children, living, and breathing. Happy? Convinced you're super geniuses, yet again? Good. Go apply for sainthood and disappear.)

This mindless, baseless, pointless 'ideology' has no answers to anything. It doesn't like questions much, either. For those born after about 1980 - This is the way things were done in the past. If something makes money, you get some puny political bozo to support making the money. You reduce costs and maintain profits by blocking laws. It's roadkill-level thinking.

That's the whole story. There is no vision of the future or anything else but a few bucks. That's what has to be turned around.

It's not as hard as it seems. If money is the cause, risk of losing money can do the job of managing the issues.

What if:

Polluters were simply shut down instead of fined? Show compliance and cause why they should be allowed to operate again.Polluting nations were embargoed? (My own country, Australia, could use a massive kick in the backside for its decades of inaction. We have the money and the tech, but not the political or corporate will.)Compliance required remedial measures like CO2 emitters must also install CO2 scrubbers? That's 100% fair, and doable. (This is what you get for being too cheap to install a few $10 filters, guys.)No new carbon fuel projects anywhere on Earth.Carbon resources to be repurposed for non-fuel, non-polluting non-emitting uses only.

You'll note these are very expensive enforcement measures for polluters and they could last possibly for decades. Even the fossil-brains will see an unacceptable risk of very high losses. (Pity you can't see why, isn't it?)

Is it possible? Yes. Fortunately, Millennials and Gen Z know there's an existential risk to their immediate futures. It's not 'a hundred years from now' as it was for Boomers and Gens X and Y.

This fan-destroying big hit is a decade or so away. They'll be in their 30s and 40s and right there at Ground Zero. Do you think these guys would vote for a bit of sanity? Could be, couldn't it?

Consider also this scenario: A future based on nothing but total BS cannot possibly be much of a future.

Another way of looking at it is this:

Earth is Ukraine. A horde of criminal invaders are committing crimes all over the place and people are dying in large numbers. The only option is to fight.

Now does it make sense, O mighty intellects?

Because it's about time it did. Enough chain-dragging; get on with it.

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[*https://www.addtoany.com/add\_to/facebook?linkurl=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&linkname=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20aroundhttps://www.addtoany.com/add\_to/twitter?linkurl=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&linkname=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20aroundhttps://www.addtoany.com/add\_to/linkedin?linkurl=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&linkname=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20aroundhttps://www.addtoany.com/add\_to/email?linkurl=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&linkname=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20aroundhttps://www.addtoany.com/share#url=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&title=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20around*](https://www.addtoany.com/add_to/facebook?linkurl=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&linkname=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20aroundhttps://www.addtoany.com/add_to/twitter?linkurl=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&linkname=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20aroundhttps://www.addtoany.com/add_to/linkedin?linkurl=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&linkname=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20aroundhttps://www.addtoany.com/add_to/email?linkurl=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&linkname=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20aroundhttps://www.addtoany.com/share#url=https%3A%2F%2Fwww.digitaljournal.com%2Ftech-science%2Fop-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around%2Farticle&title=Op-Ed%3A%20Climate%20%E2%80%93%20Nothing%20is%20being%20achieved%2C%20last%20decade%20to%20turn%20things%20around)

The post Op-Ed: Climate - Nothing is being achieved, last decade to turn things around[10] appeared first on Digital Journal[11].

[ 1]: [*https://www.abc.net.au/news/science/2022-04-05/****ipcc****-climate-change-report-mitigation-carbon-emissions-electric/100959560?fbclid=IwAR3v7UW0X7m1EKgACQ5udjGIvE7PQXC-2J6rRadLOXhjRftgWgJEyP\_IqxM*](https://www.abc.net.au/news/science/2022-04-05/ipcc-climate-change-report-mitigation-carbon-emissions-electric/100959560?fbclid=IwAR3v7UW0X7m1EKgACQ5udjGIvE7PQXC-2J6rRadLOXhjRftgWgJEyP_IqxM) [ 2]: [*https://news.google.com/search?q=oil%20prices&hl=en-AU&gl=AU&ceid=AU%3Aen*](https://news.google.com/search?q=oil%20prices&hl=en-AU&gl=AU&ceid=AU%3Aen) [ 3]: [*https://www.theguardian.com/world/2022/mar/23/un-chief-calls-for-extreme-weather-warning-systems-for-everyone-on-earth*](https://www.theguardian.com/world/2022/mar/23/un-chief-calls-for-extreme-weather-warning-systems-for-everyone-on-earth) [ 4]: [*https://news.google.com/search?for=global+water+shortage+2022&hl=en-AU&gl=AU&ceid=AU%3Aen*](https://news.google.com/search?for=global+water+shortage+2022&hl=en-AU&gl=AU&ceid=AU%3Aen) [ 5]: [*https://www.earth.com/news/deforestation-linked-to-irreversible-transition-in-the-amazon/*](https://www.earth.com/news/deforestation-linked-to-irreversible-transition-in-the-amazon/) [ 6]: [*https://www.newscientist.com/article/2314659-harmful-air-pollution-now-affects-99-per-cent-of-everyone-on-earth/*](https://www.newscientist.com/article/2314659-harmful-air-pollution-now-affects-99-per-cent-of-everyone-on-earth/) [ 7]: [*https://news.google.com/search?q=ocean%20temperatures&hl=en-AU&gl=AU&ceid=AU%3Aen*](https://news.google.com/search?q=ocean%20temperatures&hl=en-AU&gl=AU&ceid=AU%3Aen) [ 8]: [*https://news.google.com/search?q=crop%20failure%20usa&hl=en-AU&gl=AU&ceid=AU%3Aen*](https://news.google.com/search?q=crop%20failure%20usa&hl=en-AU&gl=AU&ceid=AU%3Aen) [ 9]: [*https://news.google.com/topics/CAAqJQgKIh9DQkFTRVFvSUwyMHZNRFY2T0RjU0JXVnVMVWRDS0FBUAE?hl=en-AU&gl=AU&ceid=AU%3Aen*](https://news.google.com/topics/CAAqJQgKIh9DQkFTRVFvSUwyMHZNRFY2T0RjU0JXVnVMVWRDS0FBUAE?hl=en-AU&gl=AU&ceid=AU%3Aen) [ 10]: [*https://www.digitaljournal.com/tech-science/op-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around/article*](https://www.digitaljournal.com/tech-science/op-ed-climate-nothing-is-being-achieved-last-decade-to-turn-things-around/article) [ 11]: [*https://www.digitaljournal.com*](https://www.digitaljournal.com)

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[***Climate Scientists' Message To The Financial World: Dig Deeper***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6558-9M51-JCMN-Y1YT-00000-00&context=1516831)

Newstex Blogs

International Business Times News

April 5, 2022 Tuesday 4:45 PM EST

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**Length:** 761 words

**Body**

Apr 05, 2022( International Business Times News: [*http://www.ibtimes.com*](http://www.ibtimes.com) Delivered by Newstex)

The world is awash with money, yet spending nowhere near enough to prevent extreme climate change. As time runs out, urgent policy intervention is needed to make finance flow, the Intergovernmental Panel on Climate Change's latest report says.

Such policy could include ending fossil fuels subsidies, tax breaks for clean power or energy-efficient buildings, or underwriting the development of low-carbon projects and technologies.

"Climate policy and finance will be critical for driving transformative change," said Emma Cox, global climate leader at consultants PwC.

The combined wisdom of 278 scientists and signed off by most of the world's governments, the ***IPCC***'s report Monday on mitigating carbon emissions has a singular message for public and private finance: dig deeper.

The report included stark findings on what's needed to curb greenhouse gas emissions enough to keep global temperatures from rising more than 1.5 degrees Celsius (2.7 degrees Fahrenheit) above pre-industrial levels.

Climate investment averaged across the globe would need to increase by up to six times from the roughly $640 billion spent in 2020, it said.

That's a tiny fraction of global economic output, which totaled some $84 trillion in 2020, according to the World Bank.

In some parts of the world, such as Africa, the increase in funding would need to be much higher. Today, less than 5% of climate finance is spent in the world's least-developed countries.

Governments would also need to move faster to implement climate policies at home and to deliver climate support to vulnerable countries.

"The relatively slow implementation of commitments by countries and stakeholders in the financial system to scale up climate finance reflects neither the urgent need for ambitious climate action, nor the economic rationale for ambitious climate action," the report said.

WHO PAYS?

The question of who should pay for the world's energy transition and climate adaptation has long dogged global climate negotiations, with the U.N. summit in Glasgow the most recent venue for failed promises.

Rich nations said just before the November conference that they would miss a 2020 deadline and instead only deliver a pledged $100 billion in climate finance per year by 2023.

While policy can be an effective way to drive more financing, other obstacles should also be addressed. Poor understanding of climate risk, for example, has held some financial institutions back from investing more.

Financing more renewable energy will be helped by the 85% drop in solar power costs and the 55% decrease for wind since 2010, the report said.

"What further wake-up call is required by our industry of the necessity of shifting to renewables?," said Eoin Murray, head of investment at Federated Hermes Limited.

The profit potential from putting money into renewables rather than coal is already clear to investors, but other positive tradeoffs are less so, said Gavin Templeton, partner at advisory firm Pollination.

"There is huge appetite from private finance to do more," but investors need more information on how the energy transition will impact each sector in every country, he said. Clearing up that grey area "can really unlock a significant amount of capital".

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[***Nationalize the U.S. Fossil Fuel Industry to Save the Planet***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655V-VPR1-JCMN-Y2GX-00000-00&context=1516831)

Newstex Blogs

The American Prospect Blogs

April 8, 2022 Friday 10:00 AM EST

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**Length:** 3011 words

**Byline:** Robert Pollin

**Body**

Apr 08, 2022( The American Prospect Blogs: [*http://prospect.org/blogs*](http://prospect.org/blogs) Delivered by Newstex)

Even as Vladimir Putin's barbaric invasion of Ukraine proceeds and concerns over the subsequent high gas prices proliferate, we cannot forget that the climate crisis remains a dire emergency. The latest report[1] of the U.N.'s Intergovernmental Panel on Climate Change (***IPCC***)—the most authoritative source on climate change research—could not be more explicit in reaching this conclusion. U.N. Secretary General António Guterres described the report[2] as a 'file of shame, cataloguing the empty pledges that put us firmly on track towards an unlivable world.' This follows several equally vehement studies in recent years, as well as those from other credible climate researchers.

If we are finally going to start taking the ***IPCC***'s findings seriously, it follows that we must begin advancing far more aggressive climate stabilization solutions than anything that has been undertaken thus far, both within the U.S. and globally. Within the U.S., such measures should include at least putting on the table the idea of nationalizing the U.S. fossil fuel industry.

More from Robert Pollin[3]

One specific way to proceed would entail the federal government purchasing controlling ownership of at least the three dominant U.S. oil and gas corporations: ExxonMobil, Chevron, and ConocoPhillips. We could start with these giants because they are far larger and more powerful than all the U.S. coal companies combined, as well as all of the smaller U.S. oil and gas companies. The cost to the government to purchase majority ownership of these three oil giants would be about $420 billion at current stock market prices[4]. This is a formidable sum, but it is only slightly more than 10 percent of the roughly $4 trillion[5] that the Federal Reserve authorized to spend to bail out the corporate sector in 2020, during the COVID lockdown and recession.

The main argument for nationalizing the U.S. oil giants is straightforward. The single most important factor causing climate change is that we continue to burn oil, natural gas, and coal to produce energy. It follows that we must stop burning fossil fuels to have any chance of moving the global economy onto a viable climate stabilization path. By contrast, the purpose of private fossil fuel companies in the U.S. and elsewhere is precisely to make profits from selling oil, coal, and natural gas, no matter the consequences for the planet and regardless of how the companies may present themselves in various high-gloss, soft-focus PR campaigns.

With at least ExxonMobil, Chevron, and ConocoPhillips under public control, the necessary phaseout of fossil fuels as an energy source could advance in an orderly fashion. The government could determine fossil fuel energy production levels and prices to reflect both the needs of consumers and the requirements of the clean-energy transition. This transition could also be structured to provide maximum support for the workers and communities that are presently dependent on fossil fuel companies for their well-being.

Oil Profits and Inflation

Our current bout with high inflation provides only the most recent reminder of the absolutely central role played by oil companies in the U.S. economy's operations. Overall, inflation in February of this year was up to 7.9 percent, a 40-year high. The increase in retail energy prices alone accounted for roughly two percentage points (or 24 percent) of the overall inflation rate. The main specific drivers, in turn, of rising energy costs were the spikes in gasoline and fuel oil prices[6]. As of April 4, the average price for gasoline at the pump increased over the past year[7] from $2.85 to $4.17 per gallon, a nearly 50 percent rise.

It is true that the oil companies were clobbered during the initial COVID lockdown months, as energy demand collapsed. The price of gasoline bottomed out at $1.73 per gallon in April 2020, a 23 percent fall from the pre-COVID level. The stock prices of the three U.S. oil giants fell by nearly 50 percent during this brief period.

But such misfortunes were short-lived. The companies have been flourishing since COVID restrictions have eased. As of this writing in early April, the stock prices of the three big oil companies were nearly 60 percent higher than their pre-COVID levels. Their outsized profits are coming from the pockets of U.S. consumers paying $4.17 instead of $2.85 for a gallon of gasoline.

A nationalized U.S. fossil fuel industry could play a significant positive role in building the clean-energy infrastructure at the scale and speed we need.

And yet, if we are going to take the climate emergency seriously, we cannot advocate for gasoline prices to fall back to pre-COVID levels. On behalf of saving the planet, we actually need all fossil fuel prices to remain high, and indeed, if anything, to increase still further. This is because high prices for oil, as well as for natural gas and coal, will discourage consumers from buying fossil fuels to meet their energy needs. Correspondingly, high fossil fuel prices will incentivize efforts to build a new energy infrastructure, whose two pillars will be high efficiency and renewable energy, in particular solar and wind power. A high-efficiency, renewable energy-dominant infrastructure will, among other things, deliver cheaper energy[8] than our current fossil fuel-dominant system.

But that cannot happen in an instant. In the meantime, we cannot allow working-class and middle-class people to experience cuts in their living standards right now through high fossil fuel prices, while oil companies' profits explode. How can we effectively address these equally valid, though competing, considerations?

Some straightforward solutions are readily at hand, at least on paper, while recognizing that the fossil fuel companies will vehemently oppose all of them. One approach being considered in Congress now is a 'windfall tax[9]' on the oil companies' current level of outsized profits. In the Senate version of this measure introduced by Sen. Sheldon Whitehouse (D-RI), the oil companies would be taxed at half the difference between the current retail oil prices and the average pre-pandemic price between 2015 and 2019. Reps. Ro Khanna (D-CA) and Peter DeFazio (D-OR) have introduced similar proposals in the House.

The average pre-pandemic price of gasoline was $2.37 per gallon. Based on the current average market price of $4.17 per gallon, the Senate version of the tax would amount to 85 cents per gallon; the calculation is ($4.17 - $2.37)/2 = $0.90. This calculation assumes no further adjustment for inflation. Over a year, the tax would generate a total of about $137 billion, based on current gasoline consumption levels. These revenues would then be channeled into compensating consumers for the spike in their energy bills. Every U.S. resident would receive nearly $400 if revenues from the tax were distributed equally to everyone.

Should Fossil Fuel Companies Be Profiting at All?

The Whitehouse version of the windfall profits tax does address all three of our competing matters of current concern. First, it takes back some of the oil companies' excessive gains; second, it compensates consumers for their increased energy bills; and third, it does so without lowering gas prices. But thinking beyond the specific features of such windfall profits tax proposals raises a more basic question: Should the fossil fuel companies be permitted to profit at all through selling products that we know are destroying the planet? The logical answer has to be no. That is exactly why nationalizing at least the largest U.S. oil companies is the most appropriate action we can take now, in light of the climate emergency.

In assessing the merits of such an aggressive proposal, we need to recall that the current actions of the oil companies—prioritizing their profits over everything else—are nothing new. As is now well known, in 1982, researchers working at the then Exxon Corporation (now ExxonMobil) estimated that continuing to burn oil, coal, and natural gas to produce energy would generate exactly the types of massive climate disruptions that we are increasingly experiencing. We also know what Exxon did with this information—they buried it. They did so for the obvious reason that, if the information had become known, it would have threatened Exxon's bottom line. There is no minimizing the fact that what Exxon did was immoral. But it is equally clear that the company behaved exactly according to their mission of protecting their profits above everything else[10].

Is Nationalization Realistic?

It is reasonable to conclude that nationalizing ExxonMobil, Chevron, and ConocoPhillips is beyond the realm of current political feasibility. Yet it was only 13 years ago, in the depths of the 2007-2009 financial crisis and Great Recession, that the Obama administration nationalized two of the three U.S. auto companies, General Motors and Chrysler. The government purchased majority ownership of these two companies because they were about to fail. Their failure would have generated devastating ripple effects, most critically for the workers and communities whose livelihoods were dependent on these companies. The government also took majority ownership of the giant insurance firm AIG at the same time. The reason, again, was that failing to do so would produce huge social costs, especially for people who received no benefit whatsoever from the Wall Street excesses that preceded the crash.

More generally, the U.S. government has undertaken nationalizations in many periods when the need was apparent. As Thomas Hanna writes in his excellent 'A History of Nationalization in the United States: 1917-2009[11]':

The United States actually has a long and rich tradition of nationalizing private enterprise, especially during times of economic and social crisis. Importantly, this approach has often been deployed when private companies are hindering national efforts to address a crisis (either through obstruction, incompetence, or incapacity). This history of nationalization suggests that far from being a non-starter, a public takeover of the fossil fuel industry should be considered an eminently plausible and viable policy option for dealing with the climate crisis.

The Green Transition and Nationalization

Advancing a viable climate stabilization program does not just entail phasing out fossil fuels. It equally requires investments to build a new clean energy-dominant infrastructure throughout the globe. This will be no small task, even while the overall level of investments required should amount to no more than about 2.5 percent[12] of global GDP between now and 2050.

A nationalized U.S. fossil fuel industry could play a significant positive role[13] in building the clean-energy infrastructure at the scale and speed we need. To begin with, the profits of nationalized fossil fuel firms could be channeled into energy efficiency and renewable-energy investments, as well as transitional support for the workers and communities that are dependent on the fossil fuel industry. In addition, with nationalization, the political obstacles that fossil fuel companies now throw up against public financing for clean-energy investments would be eliminated.

To date, fossil fuel companies and their army of congressional minions continue to block clean-energy funding at anywhere close to the levels needed. West Virginia Democratic Sen. Joe Manchin is only the most obvious case in point. In the most recent installment of a nearly yearlong saga, Manchin is insisting on quid pro quo funding for fossil fuel corporations[14]—which happens to include his own personal business holdings[15]—in exchange for a diminished level of clean-energy investment support relative to President Biden's original Build Back Better proposal.

Amid such machinations, it is fair to ask why the fossil fuel companies do not see the handwriting on the wall and transition themselves into clean-energy suppliers, much like auto manufacturers are transitioning from building internal-combustion-engine cars to zero-emissions vehicles. The big oil companies' PR campaigns insist that they are indeed actively committed to exactly this transition, but the facts speak otherwise[16]. The reason for their resistance is that the oil companies continue to swim in money from their current business model, and correctly assess that a clean energy-dominant infrastructure will not afford them the same outsized profit opportunities. Within a clean-energy infrastructure, Big Oil will not be able to exercise anything like the level of monopoly power they now enjoy. As Tyler Hansen's recent analysis[17] on comparative levels of profitability in the overall energy industry concludes, 'the fossil fuel industry, in general, has enjoyed substantially greater profit margins than the renewable energy industry over the past decade, and there is little reason to think that the renewable energy industry will catch up in the near future, at least without a major change in energy policy.'

Nationalization With Open Eyes

Even while recognizing this, we also need to understand that nationalizing ExxonMobil, Chevron, ConocoPhillips, or even the entire private U.S. fossil fuel sector, is not a panacea. Publicly owned companies already control approximately 90 percent of the world's fossil fuel reserves. These national corporations include, of course, Gazprom in Russia, but also Saudi Aramco, China National Petroleum Corporation, the National Iranian Oil Company, Petróleos de Venezuela, Petrobras in Brazil, and Petronas in Malaysia. None of these publicly owned companies operates with the same profit imperatives as big private energy corporations. But this does not mean that they are prepared to commit to fighting climate change simply because they are publicly owned enterprises.

Just as with private companies, producing and selling fossil fuel energy generates huge revenues for state-owned enterprises. National development projects, lucrative careers, and political power—including Russia's capacity to finance its invasion of Ukraine—all depend on continuing the flow of large fossil fuel revenues. We should therefore not expect that, in and of itself, public ownership of the U.S. oil giants will provide favorable conditions for fighting climate change, any more than public ownership has done so already in Russia, Saudi Arabia, China, or Iran.

In the U.S. case, we also have to recognize that a nationalized oil industry operating under something akin to a second Trump presidency would likely destroy any of the benefits of taking the industry out of private ownership. Such an administration could, among other options, sell the public oil firms to cronies, reversing any benefits that would have accrued from nationalization.

All such threats are real. Nevertheless, the climate emergency requires us to take big political risks. We therefore need to continue advancing a viable climate stabilization program in full recognition that, at least in the U.S., the private oil companies stand as the single greatest obstacle to successfully implementing such a program. The most straightforward solution to overcoming this obstacle is to eliminate the profit motive altogether from the companies whose business model continues to be predicated on destroying the planet.

[ 1]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/) [ 2]: [*https://www.theguardian.com/environment/video/2022/apr/04/world-on-fast-track-to-climate-disaster-say-un-secretary-general-video*](https://www.theguardian.com/environment/video/2022/apr/04/world-on-fast-track-to-climate-disaster-say-un-secretary-general-video) [ 3]: [*https://prospect.org/topics/robert-pollin/*](https://prospect.org/topics/robert-pollin/) [ 4]: [*https://companiesmarketcap.com/oil-gas/largest-oil-and-gas-companies-by-market-cap/*](https://companiesmarketcap.com/oil-gas/largest-oil-and-gas-companies-by-market-cap/) [ 5]: [*https://bostonreview.net/articles/neoliberalisms-bailout-problem*](https://bostonreview.net/articles/neoliberalisms-bailout-problem) [ 6]: [*https://www.bls.gov/cpi*](https://www.bls.gov/cpi)/ [ 7]: [*https://fred.stlouisfed.org/series/GASREGW*](https://fred.stlouisfed.org/series/GASREGW) [ 8]: [*https://peri.umass.edu/publication/item/1032-green-new-deal-for-u-s-states*](https://peri.umass.edu/publication/item/1032-green-new-deal-for-u-s-states) [ 9]: [*https://www.eenews.net/articles/dems-press-case-for-windfall-profit-tax-on-energy-companies*](https://www.eenews.net/articles/dems-press-case-for-windfall-profit-tax-on-energy-companies) [ 10]: [*https://www.versobooks.com/books/3239-climate-crisis-and-the-global-green-new-deal*](https://www.versobooks.com/books/3239-climate-crisis-and-the-global-green-new-deal) [ 11]: [*https://democracycollaborative.org/learn/publication/history-nationalization-united-states-1917-2009*](https://democracycollaborative.org/learn/publication/history-nationalization-united-states-1917-2009) [ 12]: [*https://www.versobooks.com/books/3239-climate-crisis-and-the-global-green-new-deal*](https://www.versobooks.com/books/3239-climate-crisis-and-the-global-green-new-deal) [ 13]: [*https://www.versobooks.com/books/3239-climate-crisis-and-the-global-green-new-deal*](https://www.versobooks.com/books/3239-climate-crisis-and-the-global-green-new-deal) [ 14]: [*https://www.cnn.com/2022/04/01/politics/climate-clean-energy-bill-fossil-fuels-manchin/index.html*](https://www.cnn.com/2022/04/01/politics/climate-clean-energy-bill-fossil-fuels-manchin/index.html) [ 15]: [*https://theintercept.com/2021/09/03/joe-manchin-coal-fossil-fuels-pollution/*](https://theintercept.com/2021/09/03/joe-manchin-coal-fossil-fuels-pollution/) [ 16]: [*https://www.theguardian.com/business/2020/jan/08/oil-companies-climate-crisis-pr-spending*](https://www.theguardian.com/business/2020/jan/08/oil-companies-climate-crisis-pr-spending) [ 17]: [*https://www.sciencedirect.com/science/article/pii/S1364032122000727*](https://www.sciencedirect.com/science/article/pii/S1364032122000727)

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[***Guest Commentary: Inter-American Commission on Human Rights' First Resolution on the Climate Emergency: Implications for Climate Litigation***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:656J-3V91-F03R-N38Y-00000-00&context=1516831)

Newstex Blogs

Climate Law Blog

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Apr 11, 2022( Climate Law Blog: [*http://blogs.law.columbia.edu/climatechange*](http://blogs.law.columbia.edu/climatechange)/ Delivered by Newstex)

By Pedro Cisterna-Gaete and Maria Antonia Tigre

In March 2022, the Inter-American Commission on Human Rights (IACHR) and the Office of the Special Rapporteur on Economic, Social, Cultural and Environmental Rights (REDESCA) jointly published Resolution No. 3/21, entitled Climate Emergency: Scope of Inter-American human rights obligations[1]. The resolution's purpose is to systematize the human rights obligations of States in the context of the climate crisis to ensure that public policy decisions are made according to a rights-based approach. The resolution represents the first resolution of the Inter-American System of Human Rights (IASHR) dedicated explicitly to the issue of climate change. The IASHR is principally made up of both the IACHR and the Inter-American Court of Human Rights (IACtHR), as well as other bodies focused on particular rights or groups. This blog post highlights takeaways from the resolution and its significance for climate litigation.

Background [*https://blogs.law.columbia.edu/climatechange/files/2022/04/Res-3-21\_EN-1.jpeg*](https://blogs.law.columbia.edu/climatechange/files/2022/04/Res-3-21_EN-1.jpeg)

In September 2019, the IACHR held a hearing[2] for civil society organizations who called on the IASHR to recognize the climate crisis, imploring nations in the region to take further and substantive steps to address climate change. These organizations published a report[3] on the petition and recommended that the IASHR should request states to take a rights-based approach to the climate crisis. The resolution builds on this report and the Advisory Opinion No. 23/17[4] of the IACtHR, which elaborated the human right to a healthy environment and recognized it as an autonomous and justiciable human right by the IASHR (see here[5]).

Substantive rights

The resolution acknowledges that the nexus between climate change and human rights is increasingly evident, noting the consensus established in climate change and international human rights regimes. In particular, the resolution notes recent developments in environmental rights, including the entry into force of the Escazú Agreement[6] (see here[7] and here[8]), a treaty for advancing environmental procedural and justice rights in Latin America, and the adoption of Human Rights Council Resolution 48/13[9], recognizing the right to a healthy environment (see here[10]).

The resolution recognizes that climate change is a human rights emergency, constituting one of the greatest threats to the full enjoyment of human rights by present and future generations, to the health of ecosystems and all species that inhabit the hemisphere. The publication of the resolution is timely. The Intergovernmental Panel on Climate Change (***IPCC***) recently released its latest report[11], highlighting that human-induced climate change is causing dangerous and widespread disruption in nature, affecting the lives of billions of people living in highly vulnerable contexts, including those in Central and South America.

The resolution notes that climate impacts are a significant threat to the enjoyment of a wide range of rights, including the right to life, food, housing, health, water, and the right to a healthy environment. The Commission explicitly states that climate change directly affects the right to a healthy environment, building on the Advisory Opinion No. 23/17[12] and Lhaka Honhat v. Argentina[13] (see more here[14]). Therefore, the resolution aims to ensure that the implementation, design, and execution of States' climate actions have the appropriate rights-based approach. The text includes a series of standards and recommendations addressed to the member States of the Organizations of American States (OAS), which are also relevant to non-state actors working in the region. For example, the resolution calls on States to take appropriate measures to mitigate GHGs, implement adaptation measures, and remedy the resulting damages.

Procedural rights

The resolution reinforces the Escazú Agreement's procedural rights guarantees. The resolution calls on States to 'ensure that climate norms, policies and actions are constructed, updated and/or reexamined in a transparent and participatory manner,' illustrating the importance of environmental democracy in tackling climate change. The resolution argues that reinforcing the rights of access to information, public participation and justice 'is an accelerator of climate action in the region and enhances the fulfillment of the substantial obligations of States.'

Also reinforcing Escazú, the resolution recognizes the rights of environmental defenders, calling states to avoid harassment, stigmatization, and discrimination against them. In addition, attacks or threats against environmental defenders must be 'effectively' investigated. The resolution is also clear in recognizing and requiring the customary international law duty to conduct an environmental impact assessment (EIA) where potential environmental harms are significant, stating that 'social and environmental impact studies' are necessary in accordance with the principle of due diligence. Relatedly, the 'right to prior consultation' is implicated in cases where indigenous people are 'seeking free, prior and informed consent.'

Impact on climate litigation

The resolution has the potential to have a significant impact on both pending and future climate litigation petitions within the IASHR. Climate litigation in the region goes back nearly two decades - the 2005 Inuit petition[15] to the Inter-American Commission (IACHR), which was dismissed, is widely considered the first rights-based climate case. Two notable climate litigation cases, the 2013 Athabaskan petition[16] and the 2021 Cit Soleil petition[17], are still pending.

The resolution calls on States to comply with standards of climate action that particularly protect the rights of the most vulnerable, which could encourage climate claims. The resolution stresses the differentiated impact of climate change on vulnerable groups regarding the effective enjoyment of their rights. It specifies that those living in 'poverty, extreme poverty, homelessness or living in informal settlements' are more exposed to the long-term impacts of climate change. Current State policies are failing to protect many - in Latin America, there are 86 million people living in extreme poverty[18] and are highly vulnerable to the effects of climate change. The resolution's emphasis on protection of the most vulnerable could encourage new claims questioning the adequacy of current policies of States to protect those groups.

The resolution also calls on countries to 'move towards a clean and just energy transition.' Several countries in the OAS have committed to increased use of clean energy in their Nationally Determined Contributions (NDCs) to the Paris Agreement. The transition towards clean energy implies the closure of polluting industries, affecting thousands of jobs in the region. This transition has already led to climate litigation. For instance, the Chilean Supreme Court in Company Workers Union of Maritima & Commercial Somarco Limited and Others v Ministry of Energy[19] required the State of Chile, in achieving carbon neutrality, to adopt a just transition strategy for the workers harmed by the loss of their direct and indirect source of employment and for the communities affected by the transition. The impacts of the energy transition are likely to lead to further cases. The resolution's language on requiring sustainable and participatory processes for achieving a just transition can serve as a guideline to states and courts in these cases.

Climate claims brought by indigenous groups may also be bolstered by the resolution. For instance, the resolution establishes the obligation to 'delimit and demarcate the collective ancestral territory,' where states should avoid 'granting concessions for projects' without consultation and consent (para. 47). Substantive and procedural indigenous rights in Latin America are often ignored by authorities in deciding whether to approve development projects. For instance, the Tapajos project in the Amazon could flood 780 square kilometers of protected land[20] for indigenous communities. Climate claims challenging these types of decisions may look to cite to paragraph 47 of the resolution to support their claims.

Litigation citing the obligations of companies, especially those from the fossil fuel and factory farming industries, to respond to climate change may be bolstered by the resolution. The resolution requires these companies to 'adjust their behaviour and operations to the norms of the business and human rights regime'(para. 42). In addition, companies must 'adopt plans to reduce GHG emissions' and make them public (para. 44). This obligation to adopt mitigation plans covers not only products and services but also subsidiaries and suppliers. Litigants may bring claims against companies in Latin America arguing that they must uphold these obligations to comply with IASHR human rights standards. Additionally, companies abroad that have subsidiaries in Latin American could be obliged to develop plans to mitigate emissions and make them public, and litigants may bring them to court if they fail to do so.

Finally, this resolution contributes to a more precise definition of climate obligations of OAS governments. Resolutions like this one contribute[21] to 'concretizing' the climate obligations of states, by 'identifying benchmarks to assess state actions and giving national courts tools to scrutinize those activities.' In the growing body of climate litigation in the OAS region, courts can draw on the resolution as a tool to scrutinize the adequacy of climate action by governments and companies.

\* This blog post is part of theSabin Center's Peer Review Network of Global Climate Litigation[22]and was edited byMaria Antonia Tigre[23] and Korey Silverman-Roati. Mr. Cisterna-Gaete is the rapporteur for the Inter-American System of Human Rights.

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Climate change affects Essity[1] and the company continuously maps the risks and opportunities this entails by means of, for example, scenario analyses. The purpose of this is to identify, manage and minimize the risks and to take action. Strengths and opportunities identified are further developed within the scope of the Group's sustainability work.

Strategy and governance

The identification and assessment of climate-related risks and opportunities are part of Essity's strategy process. Climate risks and opportunities are evaluated in each business unit and in a centrally coordinated internal expert group that represents key functional competencies for climate-related topics in Essity. Responsibility for managing climate risks follows the company's delegation scheme, which is described on page 35. Sustainability issues are discussed on an ongoing basis by Essity's Executive Management Team and Board of Directors and has also in 2021 comprised a focus area in the work of the Board of Directors. A steering committee has been appointed to ensure that Essity meets the company's climate targets. The steering committee is led by members of Essity's Executive Management Team and its tasks include preparing plans to deliver on all Scope 1, 2 and 3 targets.

Targets and key performance indicators

For many years, Essity has worked with sustainability throughout the value chain: from responsible raw material sourcing, more efficient production with a smaller climate footprint, and sustainable solutions to customers and consumers. The sustainability work has been broken down into several ambitious targets and key performance indicators to be achieved in parallel with the continued growth of the company. This places demands on the need to make a transition and on new production methods and circular business models, which is a challenge but if handled correctly also contributes to business opportunities and cost savings. Essity's target to reduce carbon emissions was approved by the Science Based Targets initiative for the first time in 2018. For Scope 1 and 2, Essity undertook to reduce greenhouse gas emissions by 25%, and for Scope 3 by 18% by 2030 compared with 2016. In 2021, Essity increased its ambitions for Scope 1 and 2, committing to reducing its Scope 1 and Scope 2 emissions by 35% no later than 20301) and to develop plans to achieve net-zero emissions of greenhouse gases by 20501). Read more about the Essity's targets and outcomes on pages 20-21.

Climate-risk analysis

A climate-risk analysis based on the recommendations of the framework of TCFD is completed annually. In 2020, a more in-depth scenario analysis was conducted based on two different climate scenarios. Temperature change was studied from a longterm perspective until 2100. A ten-year perspective was used, until 2030, in order to draw conclusions about the impact this would have for Essity. The analysis was based on the impact of climate change and the impact of changes to legislation. Reporting is conducted based on the recommendations of the framework of the Task Force on Climate-related Financial Disclosures (TCFD). See also page 137 for an index of where more TCFD-related information can be found in the Annual and Sustainability Report[2].

Scenario 1: Global warming of 1.5C

Description: Global warming is limited to no more than 1.5C by 21002) through collaboration between governments, industries, companies and individuals pushing for tougher legislation, green innovation and rising demand for environmentally friendly products and services. Carbon emissions are strictly limited and carbon tax is extended, which promotes processes with low carbon emissions and greater use of circular material and products.

Risks

Increased investment costs in innovation, production and distribution are needed due to tougher legislation for manufacturing processes, energy sources and material use. Higher costs for goods sold due to price increases on raw materials, rising energy prices, higher distribution costs as well as higher carbon taxes and restrictions on carbon emissions. Changed consumption patterns. Deforestation leads to a shortage of fresh wood-based fiber, thereby resulting in a raw materials shortage.

Opportunities

Competitive advantages through Essity's long-term and robust efforts to achieve lower resource use, innovative green production methods and lower carbon emissions. Changed consumption patterns in the form of increased demand for sustainable solutions with a smaller climate footprint, rewarding companies with a strong sustainability profile, which also attracts new employees. Investments in and development of new business models in addition to green solutions attract more customers and consumers. Leading hygiene and health solutions are prioritized.

Actions

Investment decisions consider both financial and environmental impact. Investments are made in state-of-the-art technology, improving process efficiency and reducing carbon emissions. Through 'Industry 4.0' and the development of smart production facilities, Essity is achieving more efficient production, shorter lead times, higher quality and lower environmental impact. Essity researches and invests in several ground-breaking ideas in sustainable technology in its manufacturing processes with the aim of reducing the company's environmental impact and setting new standards for the entire industry. In 2021, Essity commenced production of pulp from alternative fiber at its facility in Mannheim, Germany. The production facility produces high-quality pulp from wheat straw, using less water, energy and chemicals as well as reducing carbon emissions. This will also offer Essity access to a new source of raw materials, which may over time reduce the company's exposure to woodbased pulp. Reduced resource consumption, efficiency enhancements, altered product specifications and price increases. Essity prioritizes emissions-effective transport methods for long-distance transportation. The company has a strong focus on and prioritizes vehicle types that meet the requirements of the latest environmental and emissions classes combined with the most up-to-date alternatives, such as CNG fuel and electric trucks. Essity participates in various local projects and partnerships with customers and suppliers to jointly reduce carbon emissions from transportation. The targets for carbon emission reductions were approved by the Science Based Targets initiative in 2018. To ensure that it meets the climate targets, Essity has appointed a steering committee led by members of Essity's Executive Management Team. New offerings, business models and partnerships are under development in Essity that contribute to a more sustainable society and reduce the environmental impact of the company, and of customers and consumers. For example, washable absorbent underwear has been launched that facilitates reuse, the proportion of renewable material has increased in the company's packaging, and more customers are using Tork PaperCircle, which is the world's first recycling service for paper hand towels. Essity urges its suppliers to work in a manner that promotes increased sustainability and several of Essity's major raw material suppliers have their own ambitious sustainability targets that are often approved by Science Based Targets initiative. Essity strives to increase the use of recycled and renewable material in packaging and products. Essity offers leading hygiene and health solutions to improve people's well-being all over the world. When people fulfill the most basic needs for food and shelter, the next priority is hygiene and health. Awareness of the importance of hygiene and health is increasing globally. Essity's target for sourcing of fresh fiber means that all woodbased fresh fiber is to be FSC or PEFC certified, meaning sourced from responsibly managed forests that promote the principles of biodiversity and forest conservation.

Scenario 2: Global warming of 4C

Description: Global warming of 4C in 21003), due to the failure to effectively reduce emissions and other negative environmental impacts. Extreme weather become more frequent. Sea levels continue to rise, desertification and deforestation continues. Access to key resources such as raw materials, energy, water and food declines, resulting in greater volatility and uncertainty for prices and food security.

Risks

Production disruptions due to extreme weather, which may result in water shortages and excessively high water temperatures, for example. Rising insurance costs and costs for reconstruction following extreme weather. Increased investments required to safeguard stable production and supply chain. Significantly higher cost for sold goods as resource scarcity leads to higher prices for raw materials, energy, water and distribution. Deforestation leads to a shortage of fresh wood-based fiber, thereby resulting in a raw materials shortage. Lower living standards and changed consumption behavior. Opportunities Competitive advantages from safeguarded production and sourcing in regions at risk. Leading hygiene and health solutions are prioritized.

Actions

Essity has contingency plans in place in high-risk countries and is continuously working to safeguard production and sourcing of input goods. All of Essity's production facilities and associated distribution centers (regardless of their location) are obligated to follow Essity's loss-prevention policies, not only for fire, explosion, and machinery breakdowns but also for climate-related risks. In addition to contingency plans, this may involve tangible measures such as reinforcements for roofs and doors against wind, shut-off valves for gas in the event of an earthquake, or various customizations to keep rapidly rising water outside of a plant or warehouse. Essity has also engaged the services of external consultants to model the company's exposure to natural catastrophes where possible and is working with loss-prevention activities. Reduced resource consumption, efficiency enhancements, altered product specifications and price increases.

1 In accordance with SBTi's definitions, where targets for 2030 are referred to as 'near-term targets' and for 2050 'long-term targets'. 2 Based on the International Panel for Climate Change (***IPCC***) scenario (RCP scenario 2.6). 3 Based on the International Panel for Climate Change (***IPCC***) scenario (RCP scenario 6-8.5).

Download the Essity Annual and Sustainability Report 2021 here[3]

Learn more about Essity here[4]

[ 1]: [*https://www.essity.com*](https://www.essity.com)/ [ 2]: [*https://mb.cision.com/Main/15798/3517187/1543095.pdf*](https://mb.cision.com/Main/15798/3517187/1543095.pdf) [ 3]: [*https://mb.cision.com/Main/15798/3517187/1543095.pdf*](https://mb.cision.com/Main/15798/3517187/1543095.pdf) [ 4]: [*https://www.essity.com*](https://www.essity.com)/

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STORIES DISCUSSED ON TODAY'S 'GREEN NEWS REPORT'...

Top oil executives get grilled in House Energy Commerce hearing:

House panel grills oil company executives on high gasoline prices[5] (Washington Post):

Rising gas prices pose a political liability for Democrats ahead of the midterm elections in November, when the party could lose control of Congress. Top Democrats, including House Speaker Nancy Pelosi (Calif.), have huddled to discuss legislative strategies for curbing prices at the pump in recent weeks.

What we learned from the Big Oil hearing[6] (E&E News):

In reality, there's not much Congress can do to immediately lower oil prices.

VIDEO: Big Oil CEOs refuse to commit to reduce buybacks and dividends[7] (CNN):

During a hearing, Rep. Frank Pallone, a New Jersey Democrat, asked the top executives from ExxonMobil (XOM), Chevron, BP, Shell, Pioneer Natural Resources and Devon Energy if they would commit to "doing whatever it takes," including not just increasing production but reducing dividends and buybacks to lower prices for American consumers.

VIDEO: Full hearing --- Big Oil Execs to Face Charges of Price-Gouging at House Hearing[8] (Common Dreams) House Democrats accuse oil companies of 'rip off' on gas prices in hearing[9] (PBS NewsHour) VIDEO: Gas prices are high. Oil CEOs reveal why they're not drilling more[10] (CNN) VIDEO: Rep. Ann McLane Kuster[11] (Twitter):

It's past time we promote long-term energy independence through clean, renewable energy to insulate our economy & consumers.

Democrats Worried About Gas Prices Are Begging Oil Companies to Drill More[12] (Kate Aronoff, The New Republic) Blamed for high gas prices, oil executives defend themselves at a House hearing.[13] (NY Times)

New report confirms Big Oil using wartime profits to enrich investors:

Big Oil's Wartime Bonus: How Big Oil Turns Profits Into Wealth [14] (Bailout Watch):

The 24th of February, 2022 was a terrible day for Ukraine, as Russia launched its invasion. It also was a great day to own oil company stock. The Texas driller EOG, awash in cash from high energy prices, declared it would treat shareholders to a bonus cash payout of $585 million via a special dividend. That same day, two other companies, Occidental and Ovintiv, announced their own double-digit dividend increases. Big oil companies are using wartime profits to enrich investors, report says[15] (Washington Post):

The nation's biggest oil and gas companies have significantly increased stock buybacks and dividends since Russia invaded Ukraine in late February, raising questions about whether the firms are using wartime profits to enrich investors instead of curbing Americans' pain at the pump, three liberal advocacy groups write in a new report shared exclusively with The Climate 202.

EU moves to ban Russian coal, but not yet oil or gas

EU not expected to fully ban Russian coal imports until August, sources say[16] (CNBC):

The EU's proposed ban on coal imports from Russia is not expected to take effect until August - a month later-than-expected. Germany is one of the most skeptical nations when it comes to blocking energy supplies from Russia, but it's not the only one. Austria and Hungary, for instance, are also opposed.

E.U. proposes ban on Russian coal after Bucha massacre in Ukraine[17] (Washington Post) VIDEO: EU Commission Pres. Ursula Von der Leyen[18] (Twitter)

Some EU countries move faster away from Russia and fossil fuels:

Lithuania cuts off Russian gas imports, urges EU to do same[19] (AP):

Lithuania says it has cut itself off entirely of gas imports from Russia, apparently becoming the first of the European Union's 27 nations using Russian gas to break its energy dependence upon Moscow.

Portugal brings forward 80 percent clean energy target to 2026 from 2030[20] (Electrek)

Climate impacts causing longer blackouts in U.S.

Storms batter aging power grid as climate disasters spread[21] (AP):

Power outages from severe weather have doubled over the past two decades across the U.S., as a warming climate stirs more destructive storms that cripple broad segments of the nation's aging electrical grid, according to an Associated Press analysis of government data..."The electric grid is our early warning," said University of California, Berkeley grid expert Alexandra von Meier. "Climate change is here and we're feeling real effects."

EPA moves to finally ban all uses of asbestos:

EPA rule would finally ban asbestos, a known carcinogen still in use[22] (AP):

The Environmental Protection Agency on Tuesday proposed a rule to finally ban asbestos, a carcinogen that is still used in some chlorine bleach, brake pads and other products and kills thousands of Americans every year.

EPA moves to ban asbestos after decades of failures[23] (Politico/MSN):

EPA tried to ban asbestos in 1989, but the effort was largely struck down two years later by a federal appellate court, a fate that epitomized the toothlessness of the original 1976 TSCA law...Reinstein and others criticized the Trump administration for not doing enough to ban asbestos. That included a 2019 rule that required companies to notify EPA if they resume the import or manufacture of products containing asbestos, but didn't go so far as to ban those uses.

'GREEN NEWS EXTRA' (Stuff we didn't have time for in today's audio report)...

For a comprehensive roundup of daily environmental news you can trust, see the Society of Environmental Journalists' Daily Headlines[24] page

UN warns Earth 'firmly on track toward an unlivable world' [25] (AP)

Debunking Demand (***IPCC*** Mitigation Report, Part 1)[26] (Amy Westervelt, We Are Drilled)

This battery could freeze solar and wind energy for months[27] (Anthropocene Magazine)

As Russia's War In Ukraine Disrupts Food Production, Experts Question the Expanding Use of Cropland for Biofuels[28] (Inside Climate News)

High risk, small reward: Regulators should tread carefully when reviewing utility hydrogen proposals

[*https://www.utilitydive.com/news/high-risk-small-reward-regulators-should-tread-carefully-when-reviewing-u/621390/*](https://www.utilitydive.com/news/high-risk-small-reward-regulators-should-tread-carefully-when-reviewing-u/621390/) (Utility Dive)

Supreme Court Revives Trump-Era Environmental Regulation[29] (NY Times)

A First: Researchers Find Microplastics Deep In Lungs Of Living People[30] (NPR)

US To Boost Water Supplies Hit By Climate Change[31] (AP)

Zoos Hiding Birds As Avian Flu Spreads In North America[32] (AP)

Environmental Sacrifice Zones: 8 Places We've Given Up-Probably Forever[33] (Environmental Health Network)

"Rare Earths" from Coal Waste[34] (Climate Crocks)

Feeling Hopeless About the Climate? Try Our 30-Day Action Plan[35] (The Revelator)

Green Upheaval: The New Geopolitics of Energy[36] (Foreign Affairs)

VIDEO: 2050: what happens if we ignore the climate crisis[37] (Guardian UK)

Guilt, grief and anxiety as young people fear for climate's future[38] (Reuters)

99.9 percent Of Scientists Agree Climate Emergency Caused By Humans[39] (Guardian UK)

An Empire of Dying Wells: Old oil and gas sites are a climate menace. Meet the company that owns more of America's decaying wells than any other.[40] (Bloomberg)

Climate Fund Choices for Investors Are Multiplying[41] (Bloomberg/Yahoo)

How climate change could undo 50 years of public health gains[42] (Grist)

Climate Change Will Force a New American Migration[43] (Pro Publica)

Exxon's Snake Oil: 100 years of deception[44] (Columbia Journalism Review)

What Does '12 Years to Act on Climate Change' (Now 9 Years) Really Mean?[45] (Inside Climate News)

VIDEO: A Message From the Future With Alexandria Ocasio-Cortez[46] (The Intercept)

What genuine, no-bullshit ambition on climate change would look like: How to hit the most stringent targets, with no loopholes.[47] (David Roberts, Vox)

A Global Shift To Sustainability Would Save Us $26 Trillion[48] (Vox)

Project Drawdown: 100 Solutions to Reverse Global Warming[49] (Drawdown.org);

An Optimist's Guide to Solving Climate Change and Saving the World[50] (Vice)

The great nutrient collapse: The atmosphere is literally changing the food we eat, for the worse. And almost nobody is paying attention.[51] (Politico)

The world's bleak climate situation, in 3 charts: We've got a long way to go and a short time to get there.[52] (Vox)

The Climate Risks We Face[53] (NY Times):

To stabilize global temperature, net carbon dioxide emissions must be reduced to zero. The window of time is rapidly closing to reduce emissions and limit warming to no more than 3.6 degrees Fahrenheit or 2 degrees Celsius above preindustrial levels, the goal set in the Paris climate accord. The further we push the climate system beyond historical conditions, the greater the risks of potentially unforeseen and even catastrophic changes to the climate - so every reduction in emissions helps.

The Uninhabitable Earth: When will climate change make earth too hot for humans?[54] (New York Magazine):

Famine, economic collapse, a sun that cooks us: What climate change could wreak - sooner than you think.

A beginner's guide to the debate over 100% renewable energy[55] (Vox):

Clean-energy enthusiasts frequently claim that we can go bigger, that it's possible for the whole world to run on renewables - we merely lack the "political will." So, is it true? Do we know how get to an all-renewables system? Not yet. Not really.

[*http://www.pheedo.com/click.phdo?feedUrl=http%3A//www.bradblog.com/bradblog.rdf&itemLink=https%3A%2F%2Fbradblog.com%2F%3Fp%3D14228&itemDate=2022-04-07+11%3A02%3A24&itemTitle=%27Green+News+Report%27+-+April+7%2C+2022*](http://www.pheedo.com/click.phdo?feedUrl=http%3A//www.bradblog.com/bradblog.rdf&itemLink=https%3A%2F%2Fbradblog.com%2F%3Fp%3D14228&itemDate=2022-04-07+11%3A02%3A24&itemTitle=%27Green+News+Report%27+-+April+7%2C+2022)

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[***The 'climate change' doomsday cult keeps getting it wrong***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655P-9NB1-JCMN-Y3JB-00000-00&context=1516831)

Newstex Blogs

Prairie Pundit

April 7, 2022 Thursday 4:20 PM EST

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**Length:** 854 words

**Byline:** Prariepundit

**Body**

Apr 07, 2022( Prairie Pundit: [*http://prairiepundit.blogspot.com*](http://prairiepundit.blogspot.com)/ Delivered by Newstex)

I&I:[1]

We've heard so many declarations that our 'last chance' to avoid global warming has arrived that we've lost count of the number of times the world has ended. But the sirens continue to wail, the latest from a United Nations grandee who says humanity has to act 'now or never' to avoid overheating its host planet. Pardon us while we yawn.

According to Jim Skea, a European academic who co-chairs the U.N.'s Intergovernmental Panel on Climate Change Working Group III, 'it's now or never, if we want to limit global warming' to 1.5 degrees Celsius. Keeping Earth's temperatures in check 'will be impossible,' he said, 'without immediate and deep emissions reductions across all sectors.'

Skea's comment arrived wrapped up in Working Group III's just-released report on global warming mitigation, part of the ***IPCC***'s sixth climate assessment. The media, which loves to breathlessly report the demise of the world caused by human carbon dioxide emissions, says the 1.5-degree limit 'is recognized as a crucial global target because beyond this level, so-called tipping points become more likely. These are thresholds at which small changes can lead to dramatic shifts in Earth's entire life support system.'

OK, then. But let's back up a moment. Or maybe 13 years. That's when Prince Charles said, with a deep, trust-me earnestness, that our world had only '100 months to act' before we had done so much damage that the effects of global warming would become irreversible.

Then last year, about 150 months after his previous doomsday prediction, the prince said that the upcoming climate summit in Glasgow was 'quite literally the last chance saloon' to stop the scourge of warming.

Yes, one man is a university researcher, the other an effete figurehead. But they have a common thread. They're both wrong. And are unlikely to be right in their lifetimes.

Of course their false alarms are not exceptional. More than a half-century ofglobal warming warnings[2]have come and gone with the sky exactly where it was on the first Earth Day in 1970. The fact that it hasn't fallen has left the end-of-the-world cult with no choice but to continue to recalibrate its projections.

And that's exactly what it will do, because the global warming scare isn't about the environment, or saving man from himself. It's about what has been accurately labeled as a 'transformative' agenda to change governance in the West toward more authoritarian systems and to squeeze the life out of capitalism.

The truth about global warming, man-made climate change, or whatever it is to be called by the smart people these days, is that while man's CO2 emissions likely have some effect on the climate - it is, after all, a greenhouse gas, though weak and only a minute part of the atmosphere, a little more than 400 parts per million - its impact is not enough to be a threat of much if any consequence.

...

There have been so many false alarms from the Chicken Little climate crowd that it is hard to keep up with all of them. Al Gore said that the poles would be ice-free by 2013. I have not heard from him lately on the failure of this projection or the one about coastal cities being flooded. I find the current climate as pleasant as ever.

The claims that the rising temperature of a couple of degrees could be fatal also make little sense. The temperature varies from 20 to 30 degrees on most days anyway. Are they saying that a temperature that is two or three degrees above normal for a few hours a day will be fatal? Since it is not happening anyway the theory seems cracked.

[ 1]: [*https://issuesinsights.com/2022/04/06/here-comes-another-climate-deadline-that-will-pass-without-notice/*](https://issuesinsights.com/2022/04/06/here-comes-another-climate-deadline-that-will-pass-without-notice/) [ 2]: [*https://www.aei.org/carpe-diem/50-years-of-failed-doomsday-eco-pocalyptic-predictions-the-so-called-experts-are-0-50/*](https://www.aei.org/carpe-diem/50-years-of-failed-doomsday-eco-pocalyptic-predictions-the-so-called-experts-are-0-50/)

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[***Climate Change Could Cost US $2 Trillion A Year By 2021***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6555-K8N1-JCMN-Y211-00000-00&context=1516831)

Newstex Blogs

International Business Times Australia

April 4, 2022 Monday 10:05 PM EST

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**Length:** 868 words

**Body**

Apr 04, 2022( International Business Times Australia: [*http://www.ibtimes.com.au*](http://www.ibtimes.com.au)/ Delivered by Newstex)

The Biden administration issued a dire warning [1]about the possible economic costs connected to global climate change on Monday. If left unchecked, it is estimated that the damages could amount to $2 trillion a year by the turn of the century.

In a blog post by two economists working for the White House's Office of Management and Budget (OMB)[2], the administration found that climate change could cost as much as $7.1% of the federal government's revenue by the end of the century.

Adding to the financial pains that are expected, the two assess that the government can be forced to spend an additional $25 billion to $128 billion each year on related expenditures like disaster and agricultural insurance, health insurance, wildfire suppression and flooding.

'Climate change threatens communities and sectors across the country, including through floods, drought, extreme heat, wildfires, and hurricanes that affect the U.S. economy and the lives of everyday Americans,' Candace Vahlsing, the OMB's associate director for climate, and OMB chief economist Danny Yagan co-wrote in the brief. 'Future damages could dwarf current damages if greenhouse gas emissions continue unabated."

This attempt to lay out the fiscal consequences of unchecked climate change follows previous reports by the Biden administration that demonstrate that costs will increase over time. For example, the administration released a report[3] in January that found the U.S. experienced one of its most expensive and destructive years on record in 2021 with nearly 20 extreme weather events costing approximately $1 billion in damages.

The United Nations' Intergovernmental Panel on Climate Change (***IPCC***) [4]also released a report that urged states to adopt "rapid, deep and immediate" cuts in carbon dioxide emissions if there is any hope to stave off the worst effects of climate change. The lead author of the report warned that the world is approaching a "now or never" moment to limit global warming to the desired 1.5C level recommended by experts.

President Joe Biden has made confronting climate change a hallmark of his presidency, but his attempts to do so have been challenged by a confluence of negative global trends, domestic problems and political opposition that have impaired his agenda.

As the COVID-19 pandemic recedes in many parts of the world, demand for energy has skyrocketed[5], driving up prices and inflation globally. Russia's war[6] in Ukraine has only thrown another wrench into Biden's hopes for cutting emissions. Instead, the president has called for stepped up oil production to bring down inflation and provided a greenlight to new fossil fuel projects.[7]

At home, Biden's climate agenda has been resisted aggressively by Congressional Republicans and members of his own Democratic Party like Sen. Joe Manchin (W-Va.)[8]. Last year, a landmark bill with climate provisions was torpedoed [9]by Democrats' inability to find a compromise that would secure its passage.

[ 1]: [*https://www.cnbc.com/2022/04/04/climate-change-could-cost-us-2-trillion-each-year-by-2100-omb.html*](https://www.cnbc.com/2022/04/04/climate-change-could-cost-us-2-trillion-each-year-by-2100-omb.html) [ 2]: [*https://www.whitehouse.gov/omb/briefing-room/2022/04/04/quantifying-risks-to-the-federal-budget-from-climate-change/*](https://www.whitehouse.gov/omb/briefing-room/2022/04/04/quantifying-risks-to-the-federal-budget-from-climate-change/) [ 3]: [*https://www.ibtimes.com/how-many-natural-disasters-hit-us-2021-turns-out-it-was-second-most-record-3372683*](https://www.ibtimes.com/how-many-natural-disasters-hit-us-2021-turns-out-it-was-second-most-record-3372683) [ 4]: [*https://www.bbc.com/news/science-environment-60984663*](https://www.bbc.com/news/science-environment-60984663) [ 5]: [*https://www.ibtimes.com/world-risks-more-years-high-energy-prices-emissions-iea-3375723*](https://www.ibtimes.com/world-risks-more-years-high-energy-prices-emissions-iea-3375723) [ 6]: [*https://www.ibtimes.com/biden-bans-russia-oil-imports-us-warns-gasoline-prices-will-rise-further-3428676*](https://www.ibtimes.com/biden-bans-russia-oil-imports-us-warns-gasoline-prices-will-rise-further-3428676) [ 7]: [*https://www.ibtimes.com/climate-reversal-biden-okays-new-oil-gas-mega-auction-3285319*](https://www.ibtimes.com/climate-reversal-biden-okays-new-oil-gas-mega-auction-3285319) [ 8]: [*https://www.ibtimes.com/manchin-says-build-back-better-talks-will-have-start-over-3380718*](https://www.ibtimes.com/manchin-says-build-back-better-talks-will-have-start-over-3380718) [ 9]: [*https://www.ibtimes.com/build-back-better-really-dead-senate-plans-vote-2022-3361161*](https://www.ibtimes.com/build-back-better-really-dead-senate-plans-vote-2022-3361161)

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[***Tribulations of a Climate Activist: Farhana Yamin in Search and Dissent***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6567-D8D1-F03R-N0YT-00000-00&context=1516831)

Newstex Blogs

Watts Up With That?

April 10, 2022 Sunday 1:06 AM EST

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**Length:** 2274 words

**Byline:** Guest Blogger

**Body**

Apr 10, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

From MasterResource[1]

By Robert Bradley Jr. — April 8, 2022

Ed. Note: MasterResource has profiled the personal stories of defeated or disillusioned activists as climatism flounders 34 years after James Hansen's testimony in 1988. From disengagement tosocial withdrawal[2]toraw anger[3]to evensuicide[4], the true believers are in turmoil, while the climate industrial complex reaps the money, power, prestige, and confabs that come with 'being green.'

'If you are honest and practical, the theory and data are out there to challenge your beliefs and even change your mind-and your life. You do not need to fight depression or withdraw. There is life and optimism in climate- and energy-realism.'

The title of the NYT article is:A Climate Warrior's Journey From Summit Talks to Street Protests[5](New York Times: March 29, 2022). It is the story of the despair and resurrection (temporary?) of a climate activist. As such, it is a window to the world on the futile fight against carbon dioxide and energy density.

Not only is there an open-ended tripartite fossil fuel boom several decades after climate alarmism was birthed (in 1988), there also is a growing residue of planetary waste and destruction from industrial wind turbines, solar slabs, and batteries packs galore. Real environmentalism, anyone?

There is greenwashing and corporate cronyism run amok-just what could be expected from trying to artificially manage a market of inferior energy choices (the politically correct being economically incorrect).

After a high-profile career as an international lawyer and negotiator, Farhana Yamin decided 'we cannot rely on lawyers and diplomats alone.' Her story as recounted by theTimesis reproduced with my comments in green (yes, green as in energy density).

————————-

It took 20 minutes for police officers to unglue Farhana Yamin from Shell's offices in London. It was April 2019 and Ms. Yamin was one of many protesters from the global environmental movement Extinction Rebellion occupying the streets of central London and calling on the British authorities to take climate action.

Comment: Gluing herself to an office building? We are dealing with an unstable person who will not reconsider climate alarmism and the perils from inferior energies.

But unlike other protesters, some of whom had always beenanti-establishment[6], Ms. Yamin had spent most of her life not only believing in the system but working at its top levels. 'My life and my work is a dance between an insider and an outsider,' she said.

Comment: The nutty outsider was a nutty insider. A smart, professional nutty person.

Her experience as an insider goes back more than 30 years. Ms. Yamin, 57, is an internationally recognized environmental lawyer and a respected adviser to developing countries and small island nations like the Marshall Islands, working on their behalf at the international level.

Comment: Many years on a false cause dulls the intelligence and revs up the emotions. She did not choose well at the beginning, a methodological flaw.

She is also a leading author for the Intergovernmental Panel on Climate Change and was a key architect of theParis climate agreement[7]. Ms. Yamin is widely seen as responsible for securing, through behind-the-scenes diplomacy, a central element of the pact: The goal of net-zero emissions by midcentury.

Comment: The heralded ***IPCC***? She discredits what is widely recognized as a political, special-interest, religious group with some good science buried deep in the physical science report.

After the agreement, though, as Donald J. Trump rose to power in the United States and other countries continually delayed strong action on climate change, she said her faith in institutions began to crumble. 'I was nave about what we could achieve,' Ms. Yasmin said of her intellectual journey. 'I've learned we cannot rely on lawyers and diplomats alone.'

Comment: Energy density more than Donald Trump is the foe of forced transformation to the energies that consumers do not naturally want.

That journey started when Ms. Yamin was studying law in her 20s. Growing up as a Pakistani immigrant in England who experienced racism, Ms. Yamin knew she wanted to spend her career fighting injustice. When she embarked on an internship with a small environmental law firm in 1991 as a recent Oxford graduate, Ms. Yamin knew she had found her calling. 'I never looked back,' she said. 'I was optimistic.'

Comment: Did she study physical science critically? Did she assess energy physics and the unique characteristics of electricity as an economic good? Did she understand opportunity-cost economics? Good intentions are not enough.

Since then, Ms. Yamin has attended nearly every major international climate conference, but she is best known for her work at the negotiations that led to the Paris Agreement.

Comment: A party-goer with a big carbon footprint? Lots of confirmation bias at those meetings has she ever attended a Heartland conference, say, to consider differing views?

She had spent years working with academics, civil society groups and lawyers to make net-zero emissions — the idea of using reductions, carbon capture and carbon offsets to ensure that no additional greenhouse gases are added to the atmosphere — the rallying call of the 2015 conference. 'Farhana was among a handful of collaborators who was willing to step up and champion this quest,' said Bernice Lee, a research director on sustainability at Chatham House, a London research organization.

Comment: If fighting injustice was her goal, why side with global government on public policies relying on coercion? Why energy imperialism against Africa? India? China?

But just months after Ms. Yamin achieved one of the biggest victories of her career, she said, things took a turn for the worse. By 2016, some Western countries were seeing a rise of nationalism and a growing distrust of international institutions, with Britain voting to leave the European Union and Donald J. Trump threatening to pull the United States out of the Paris Agreement if elected. 'I felt that the whole multilateral world, the international framework for human rights, was just collapsing around me,' Ms. Yamin said.

Comment: Energy density drives consumer-voters, and consumer-voters drive politics. Energy was one of the reasons Trump pulled the upset-and why Biden's crash-climate agenda will reverberate at the polls this November and beyond.

When, from a meeting room at a United Nations climate conference in Marrakesh, Morocco, Ms. Yamin watched Mr. Trump win the election, she was despondent. She felt that her 30-year career as a government lawyer and climate negotiator had amounted to nothing. 'All of it was going up in smoke,' she said. 'I couldn't tell my clients, I couldn't lie to the Marshall Islands, that we would fix this.' Ms. Yamin took a year off, spending most of her time in nature therapy classes and camping in the wilderness for weeks at a time.

Comment: This bit of realism and honesty is astartto reconsider the very premises of climate activism, which is resulting in the world of all worlds for the anti-fossil-fuel activists: a carbon-based energy boom and a mess from wind, solar, and batteries.

During her time off, Ms. Yamin began reading about other social movements, like the anti-apartheid campaign and the suffragist movement, that used social mobilization and nonviolent resistance to advance their causes. 'I felt that the climate movement was almost unique and fragile, relying mostly on insider tactics and not on movement building,' she said. 'It wasn't relying on the full sets of tools.'

Comment: Bad choice. Yamin should have studied climate science (models and feedback effects in particular); plant biology (CO2 fertilization effect); climate economics (benefits of warmth, precipitation); and Public Choice (government decision-making).

It was this idea that reignited Ms. Yamin's passion for climate and helped her get back to work. Instead of returning to climate diplomacy, Ms. Yamin joined the nascentExtinction Rebellion[8]movement, a decentralized group that uses nonviolent action and civil disobedience, in 2018.

Comment: Doubling down on failure by joining the nut wing-not good at all. And a path to further demoralization and radicalism.

Initially, Ms. Yamin became the leader of Extinction Rebellion's political team, using her knowledge of the diplomatic terrain to help the movement be more strategic in its activism and get more funding. Even in her new activist role, though, Ms. Yamin felt she was relying too heavily on her intellectual skills instead of putting her body on the line. When anIntergovernmental Panel on Climate Change report was issued in October 2018[9], Ms. Yamin was reading the report as activists filled Parliament Square in London. As she saw pictures of young people refusing to move and waiting to be arrested, she thought, 'I want to be with them.'

Ms. Yamin spent the following two years working with Extinction Rebellion, organizing and protesting alongside other activists. She stepped down from her role with the group in 2020 because of disagreements with other leaders. Ms. Yamin said she believed the movement was not focused enough on climate justice.

Comment: Climate justice? Could that include affordable, reliable, accessible energy for the masses?

Since then, Ms. Yamin has been charting a new path, one that does not depend on institutions or activist groups. At COP26, the latest United Nations climate summit, held last year in Glasgow, Ms. Yamin worked as hard as she always has at these events, eager to defend the legacy of Paris. But rather than spend her days in the negotiating room, surrounded by what she calls a 'toxic positivity,' Ms. Yamin focused on movement-building and listening to vulnerable people who spoke outside the conference center.

Comment: How about ringing a few doorbells outside of COP to understand energy and real people? Enough of the exaggerators and prop protesters.

She said she left Glasgow heartbroken, both by the outcome of the conference and the stories she heard from marginalized communities about climate impacts. 'I could almost cry. We keep pushing the deadlines out,' she said. 'At what point do we say, 'Enough?''

Comment: Predictable. COP 26 was a ruse, a carbon-fest of elites. COP 27 will be worse.

For her next chapter, Ms. Yamin said she wants to work directly with frontline communities of color in Britain and help to mobilize the cultural sector to become more engaged in climate issues. 'We need the cultural sector and the creatives to help us imagine our way out of the crisis,' she said. She also wants to educate philanthropic organizations on climate justice to help get more money to frontline communities. Her goal is to make sure every pocket of society is fighting the climate crisis. 'Everyone should have 'activist' on their C.V.,' she said.

Comment:Triplingdown on failure? How about become an energy advocate for human betterment. Alex Epstein has a new book coming out,Fossil Future. Read it for liberation.

When asked how she feels looking back at her career, Ms. Yamin paused. 'I'm proud of my achievements,' she said. 'But I can't keep carrying on doing that in the face of known indifference.' She added, 'I'm much more honest now.'

Comment: If you are honest and practical, the theory and data are out there to challenge your beliefs and change your mind-and your life. You do not need to fight depression or withdraw. There is life and optimism in climate and energy realism.

Article Rating

[ 1]: [*https://www.masterresource.org/climate-anxiety/extinction-rebellion-last-refuge-of-climate-activists/*](https://www.masterresource.org/climate-anxiety/extinction-rebellion-last-refuge-of-climate-activists/) [ 2]: [*https://www.masterresource.org/climate-anxiety/climate-burnout-aiken/*](https://www.masterresource.org/climate-anxiety/climate-burnout-aiken/) [ 3]: [*https://www.masterresource.org/climate-exaggeration/dear-emma-marris-check-your-premises/*](https://www.masterresource.org/climate-exaggeration/dear-emma-marris-check-your-premises/) [ 4]: [*https://www.masterresource.org/jaffe-amy-myers/amy-myers-jaffe-update/*](https://www.masterresource.org/jaffe-amy-myers/amy-myers-jaffe-update/) [ 5]: [*https://www.nytimes.com/2022/03/29/climate/farhana-yamin-climate.html*](https://www.nytimes.com/2022/03/29/climate/farhana-yamin-climate.html) [ 6]: [*https://www.theguardian.com/uk-news/2020/jan/10/xr-extinction-rebellion-listed-extremist-ideology-police-prevent-scheme-guidance*](https://www.theguardian.com/uk-news/2020/jan/10/xr-extinction-rebellion-listed-extremist-ideology-police-prevent-scheme-guidance) [ 7]: [*https://www.nytimes.com/2021/01/21/climate/biden-paris-climate-agreement.html*](https://www.nytimes.com/2021/01/21/climate/biden-paris-climate-agreement.html) [ 8]: [*https://rebellion.global*](https://rebellion.global)/ [ 9]: [*https://www.nytimes.com/2018/10/07/climate/****ipcc****-climate-report-2040.html*](https://www.nytimes.com/2018/10/07/climate/ipcc-climate-report-2040.html)

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Newstex Blogs

Foreign Policy

April 5, 2022 Tuesday 1:10 PM EST

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**Length:** 2018 words

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**Body**

Apr 05, 2022( Foreign Policy: [*http://www.foreignpolicy.com*](http://www.foreignpolicy.com)/ Delivered by Newstex)

Welcome to today's Foreign Policy brief, where we're following Russian atrocities in Bucha, Pakistan's political crisis, and Sri Lanka's mass protests.

If you would like to receive Morning Brief in your inbox every weekday, please sign uphere[1].

Russian Atrocities Spark Global Outrage Welcome to today's Foreign Policy brief, where we're following Russian atrocities in Bucha, Pakistan's political crisis, and Sri Lanka's mass protests.

If you would like to receive Morning Brief in your inbox every weekday, please sign uphere[2].

Russian Atrocities Spark Global Outrage

When Ukrainian forces retook the Kyiv suburb of Bucha this past weekend, they found a town decimated by a brutal massacre.

With reports of hundreds of people buried in mass graves[3] and bodies lining the streets, accounts from Bucha have exposed the horror of Moscow's invasion—and added to mounting evidence that Russian forces have been indiscriminately killing civilians. Witnesses report Russian troops using local children as human shields[4] for their tanks, while others recall soldiers shooting fleeing civilians[5].

'These are war crimes and will be recognized by the world as genocide[6],' Ukrainian President Volodymyr Zelensky said on Monday. 'We know of thousands of people killed and tortured, with severed limbs, raped women and murdered children.'

As new accounts come to light, human rights groups fear that the destruction wrought in Bucha may only be a fraction of what is unfolding elsewhere, my colleagues Amy Mackinnon and Mary Yang report[7]. Without access to Russian-held territory, researchers must rely on individual testimony and photographic evidence to piece their reports together. The witness accounts from Bucha, Mackinnon and Yang write, are likely just the beginning.

'I think we're going to expect to see the same picture on the entire territory, from Kyiv[8] to Mariupol and Kherson,' Anatoliy Fedoruk, the mayor of Bucha, said in an interview with CNN.

Human Rights Watch, a leading human rights group, has already documented several instances of apparent war crimes[9] across Russian-controlled territory in Ukraine, including cases of summary executions, repeated rape, and other sexual violence.

'The cases we documented amount to unspeakable, deliberate cruelty and violence against Ukrainian civilians,' Hugh Williamson, Human Rights Watch's Europe and Central Asia director, said in a statement. 'Rape, murder, and other violent acts against people in the Russian forces' custody should be investigated as war crimes.'

As evidence of Russian atrocities grows, so too are calls for a forceful global response. Kyiv has urged the International Criminal Court[10] to visit the city to collect evidence of war crimes, while U.S. President Joe Biden condemned Russian President Vladimir Putin as a 'war criminal' and called for a trial[11]. Germany, France, and Lithuania have announced plans to expel Russian diplomats[12] from their countries.

Accounts from Bucha are now also pushing[13] European countries to reconsider an economic response that many have long resisted: targeting Russia's energy sector[14]. Many European countries, especially Germany, are deeply dependent[15] on Russia for their energy supply, and deciding to sanction the sector could mark a significant turn in how far they are willing to go to hold Putin accountable.

On Monday, in a move that increases pressure on the Kremlin and could lead to default, the U.S. Treasury banned Russia from accessing U.S.-held reserves to pay holders of its sovereign debt, Reuters reports[16].

'It is very clear that there are indications of war crimes[17],' French President Emmanuel Macron said. 'What happened in Bucha dictates a new package of sanctions.'

What We're Following Today

Pakistan's constitutional crisis. Pakistani Prime Minister Imran Khan plunged the country into a political crisis on Sunday after he dissolved[18] Parliament and called[19] for early elections, in an effort to thwart a no-confidence vote[20] that was widely expected to oust him from power.

Perhaps to garner more support, Khan has claimed that his opponents and the United States[21] were attempting to interfere in the country's politics, an accusation that Washington has denied. 'I ask people to prepare for the next elections,' Khan said[22] on Sunday. 'Thank God, a conspiracy to topple the government has failed.'

Opposition leaders are now challenging[23] Khan's actions before the country's Supreme Court, while arguing that his moves constitute an 'open coup against the country and the Constitution.'

Sri Lanka's economic meltdown. Several members of Sri Lanka's cabinet resigned[24] on Sunday after thousands of people demonstrated against crushing food and fuel shortages and demanded President Gotabaya Rajapaksa's resignation[25]. Sri Lanka has been in the throes of its most severe economic crisis[26] in decades, largely driven by the government's considerable debt[27], blows to the tourism sector, and a failed national organic farming experiment.

Writing in Foreign Policy in March, Ted Nordhaus and Saloni Shah explained how Sri Lanka's organic farming push went catastrophically wrong[28] and helped catalyze this economic crisis.

Keep an Eye On

Climate action. According to a new report by the U.N.-affiliated Intergovernmental Panel on Climate Change, the world is currently on a path[29] to speed past critical climate targets, even if countries' existing pledges[30] are met. But the report outlines immediate, collective actions that will help the world correct course—including investing seriously in climate mitigation, focusing on renewable energy[31], and reconfiguring cities and transportation systems.

'Some government and business leaders are saying one thing—but doing another,' said[32] U.N. Secretary General Antonio Guterres. 'Simply put, they are lying. And the results will be catastrophic.'

Turkey's record inflation. Turkey's inflation rate climbed to 61 percent in March—its highest level in 20[33] years—as Russia's invasion of Ukraine drives up global energy and food prices, further compounding the country's existing economic woes[34] during the pandemic. The country is experiencing an 'extraordinary period,' Turkish Finance Minister Nureddin Nebati said.

More than 10 million Ukrainians, roughly a quarter of the population, have fled their homes since the beginning of Russia's invasion. How will this humanitarian crisis shape the future of Europe? What can be done to help Ukrainian refugees? How has racism played a role in the recent crisis? Join FP's editor in chief, Ravi Agrawal, for a live discussion[35] with David Miliband, the president and CEO of the International Rescue Committee, as they discuss the humanitarian consequences of the war in Ukraine.

Odds and Ends

German authorities are investigating a 60-year-old German man who received 90 COVID-19 shots[36] so that he could sell fake vaccination cards with official batch numbers. After he went to the same vaccination center two days in a row, police caught him and found him carrying blank vaccination cards. It's unclear how receiving 90 doses—many of which were from different manufacturers—has impacted his health.

[ 1]: [*http://foreignpolicy.com/category/morning-brief*](http://foreignpolicy.com/category/morning-brief) [ 2]: [*http://foreignpolicy.com/category/morning-brief*](http://foreignpolicy.com/category/morning-brief) [ 3]: [*https://www.washingtonpost.com/world/2022/04/03/bucha-ukraine-graves-war-crimes-calls-icc/*](https://www.washingtonpost.com/world/2022/04/03/bucha-ukraine-graves-war-crimes-calls-icc/) [ 4]: [*https://www.theguardian.com/world/2022/apr/02/ukrainian-children-used-as-human-shields-near-kyiv-say-witness-reports*](https://www.theguardian.com/world/2022/apr/02/ukrainian-children-used-as-human-shields-near-kyiv-say-witness-reports) [ 5]: [*https://www.theguardian.com/world/2022/apr/04/russia-now-synonymous-with-bucha-massacre-zelenskiy-says-amid-global-outcry-at-civilian-killings*](https://www.theguardian.com/world/2022/apr/04/russia-now-synonymous-with-bucha-massacre-zelenskiy-says-amid-global-outcry-at-civilian-killings) [ 6]: 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[***Twistin' with Gallup's Extreme Weather Poll***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6564-4MP1-JCMN-Y312-00000-00&context=1516831)

Newstex Blogs

Watts Up With That?

April 9, 2022 Saturday 5:12 PM EST

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**Length:** 989 words

**Byline:** Kip Hansen

**Body**

Apr 09, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

Opinion by Kip Hansen - 9 April 2022

I was at a dinner dance recently and the dance floor was mostly empty with two exceptions: When the music was Latin American (like the bachata[1])or when, miracle of miracles, Chubby Checker and his band treated us to 'Let's Twist Again[2]' which resulted in a dance floor so crowded we could barely twist in place.

The Twist? Yes, still a very popular dance and also a very popular journalistic approach to all sorts of news, especially with the results of national polls.

The latest example, of which there is never a dearth or drought, is the Gallup Poll about Climate Change and Extreme Weather.[3] The linked .pdf file only gives the questions and answers for questions 14 through 27 out of a larger poll: 'Turning to something else, 14. I'm going to read you a list of environmental problems'.

The poll is trumpeted by the NY Times[4] as:

'One-Third of Americans Faced Extreme Weather in Recent Years, Survey Finds — Hurricanes and winter weather, such as snow, ice storms and blizzards, were the most common events cited, according to a Gallup poll.'

Gallup itself says[5]: 'Extreme Weather Has Affected One in Three Americans'. Despite the odd Chubby Checker-esque text at Gallup, at least they properly placed the linked report in their 'Politics' section.

What did they find? In reality, they found that one-in-three had been affected by weather that they did not like. I would have thought it would be higher than that as Americans are forever complaining about too much or too little: rain, sunshine, warmth, breeze, snow and other weather phenomena. Some of that weather might be considered 'extreme' only if one means significantly more or less than is normally experienced day-to-day, season-to-season, or year-to-year.

What kind of 'extreme weather'? Ever since Global Warming has taken hold of the public imagination - 43% of respondents reported that they worry a 'Great Deal' about climate change, down from 46% in 2020 - the weather has been getting colder and colder and winter's snowier and snowier.

Thus 12% of all Americans and 36% of those affected by extreme weather reported that they had been affected by these two types of extreme weather: Extreme cold and Snow/Ice storm/Blizzard.

Only 5% of Americans reported being affect by Extreme heat.

Now Hurricanes and Tornadoes are extreme weather phenomena and affected 6% and 4% of Americans respectively. There were only two hurricanes and only one of those was a major hurricane[6] which made landfall in the Continental U.S., major Hurricane Ida, which caused a lot of damage on the Gulf Coast of Louisiana. Hurricane Nicholas was a tropical storm until moments before/after landfall and barely made hurricane status. In addition, 5% of Americans were affected by the non-weather related (but included in Gallup's total) Fire or wildfire and Earthquakes.

One further oddity, Gallup 'adjusts' for Gender, Race, Age, Education, Party I.D., and Ideology. Yet the numbers they use for 'Totals' on the question on Extreme Weather are the weight-adjusted numbers from the Party I.D. columns.

[*https://149366104.v2.pressablecdn.com/wp-content/uploads/2022/04/weighted\_results\_full.jpg*](https://149366104.v2.pressablecdn.com/wp-content/uploads/2022/04/weighted_results_full.jpg)

Click here to see full sized in new tab/window[7]

The clearest result of the Gallup poll is that the media, including the weather channels both broadcast and streaming, have had great success convincing the population that weather is getting worse and that we are seeing extreme weather more and more, despite factual evidence to the contrary.

# # # # #

Author's Comment:

Extreme Weather is a marketing meme developed by weather broadcasters to raise interest, viewership and market share. You know who they are.

The IPPCists use Extreme Weather to attempt to frighten the populace into accepting UN ***IPCC*** dictated energy policy and bring about draconiansocial and political changes.

Weather is weather. Sometimes its wild - always has been - always will be.

Polls are political - always - always have been - always will be.

Thanks for reading.

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Newstex Blogs

Watts Up With That?

April 5, 2022 Tuesday 10:06 AM EST

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**Length:** 10317 words

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**Body**

Apr 05, 2022( Watts Up With That?: [*http://wattsupwiththat.com*](http://wattsupwiththat.com) Delivered by Newstex)

The Week That Was: 2022-04-02 (April 2, 2022) Brought to You by SEPP ([*www.SEPP.org*](http://www.SEPP.org)[1]) The Science and Environmental Policy Project

Quote of the Week: 'Where the scare goes the money goes' - Larry Bell [H/t Jay Lehr]

Number of the Week: 63% more by 2030

THIS WEEK:

By Ken Haapala, President, Science and Environmental Policy Project (SEPP)

Scope: This Week will begin with a discussion of a March 3 post by Roy Spencer on the false precision associated with measurements by instruments on satellites. Satellites simply cannot measure things occurring on earth with the precision many modelers calculate. False precision is a problem in many studies ranging from sea levels to atmospheric radiation. Models used for long term forecasts that contain false precision are factually meaningless.

The model presented by Howard Hayden based on the work of William van Wijngaarden and William Happer will be discussed in this light. As Hayden insists, his analysis is not suitable for prediction.

Jennifer Marohasy presents evidence showing how the Australian Bureau of Meteorology has tampered with the surface temperature record entrusted to it. The city of Darwin is the most glaring example.

Questions arising from the launch of a new satellite to measure sea levels will be discussed. The records from previous satellite differ from those from tidal gages at geologically stable locations. Merging different data sets with diverging records is a serious error common to many studies in climate science.

The assumptions that wind and solar can easily and affordably replace fossil fuels are being challenged by experience. Yet government promoters continue to claim that storage of electricity is easy. But they have no examples of its success except pumped-hydro storage which requires massive scale that would not be permitted. TWTW will discuss certain concepts offered, that have not been physically defined. They are on the 'pixie dust' level.

In light of significant errors common to climate 'science' that are not corrected and electricity storage issues that are not realistic, it is ludicrous, but serious, that the Security and Exchange Commission (SEC) would announce new regulations to enforce climate policy on private corporations by requiring them to assess the risks they create in emitting greenhouse gases, particularly carbon dioxide. Reactions to these regulations will be discussed further.

The energy minister of the United Arab Emirates (UAE) has stated that in 2021 western politicians were vilifying oil producers, now they are glorifying them. Such actions must earn the contempt of those so treated. This applies for the US administration as well and will be discussed.

The 2022 April Fools contest is announced.

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False Precision: Even though Roy Spencer writes:

'As a preface, I will admit, given the lack of evidence to the contrary, I still provisionally side with the view that warming has been mostly human-caused (and this says nothing about whether the level of human-caused warming is in any way alarming).' [Boldface are italics in original.]

Spencer explains why he thinks human causation is mostly a statement of faith. He writes:

'ALL temperature change in any system is due to an imbalance between the rates of energy gain and energy lost. In the case of the climate system, it is believed the Earth each year absorbs a global average of about 240 Watts per sq. meter of solar energy and emits about the same amount of infrared energy back to outer space.

'If we are to believe the last ~15 years of Argo float measurements of the ocean (to 2000 m depth), there has been a slight warming equivalent to an imbalance of 1 Watt per sq. meter, suggesting a very slight imbalance in those energy flows. [Boldface added]

One watt per sq. meter. [Italics in original]

'That tiny imbalance can be compared to the 5 to 10 Watt per sq. meter uncertainty in the ~240 Watt per sq. meter average flows in and out of the climate system. We do not know those flows that accurately. Our satellite measurement systems do not have that level of absolute accuracy.' [Boldface added]

Global energy balance diagrams (which you have seen) have the numbers massaged, on the basic assumption that all of the imbalance is due to humans.

'I repeat: NONE of the natural, global-average energy flows in the climate system are known to better than about 5-10 Watts per sq. metercompared to the ocean warming-based imbalance of 1 Watt per sq. meter.

'What this means is that recent warming could be mostly naturaland we would never know it.

'But climate scientists simply assume that the climate system has been in perfect, long-term harmonious balance, if not for humans. This is a pervasive, quasi-religious assumption of the Earth science community for as long as I can remember. [Boldface added]

'But this position is largely an anthropocentric statement of faith.

'That doesn't make it wrong. It's justuncertain.

'Unfortunately, that uncertainty is never conveyed to the public or to policymakers.' [Boldface added]

Two days before the above post, on March 1, Spencer reported the February 2022 update to the global average lower tropospheric temperature anomaly:

'The linear warming trend since January 1979 still stands at +0.13 C/decade (+0.12 C/decade over the global-averaged oceans, and +0.18 C/decade over global-averaged land).'

There is nothing dangerous about the warming occurring in the atmosphere and certainly no reason to declare a climate crisis, imposing severe government restrictions on the use of fossil fuels. The predictions/projections/forecasts of the UN Intergovernmental Panel on Climate Change (***IPCC***) and its followers are a clear example of the importance of a comment by Richard Feynman:

'If there is something very slightly wrong in our definition of the theories, then the full mathematical rigor may convert these errors into ridiculous conclusions.'

Claiming the globe is experiencing a climate crisis is a ridiculous conclusion. See link under Challenging the Orthodoxy.

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A Better Way: As explained in last week's TWTW. Atomic, Molecular, and Optical (AMO) physicist Howard Hayden has posted ten essays on Basic Climate Physics on the SEPP website. The approach used avoids the mess involved in trying to model the weather for long range forecasts. Unlike the slight energy imbalances noted by Spencer, the disagreement between radiative forcing by CO2 and the surface infrared radiation (IR) emission that would result from ***IPCC***'s predicted temperature rise is very substantial.

The well-known Planetary Heat Balance equation applies to all planets that do not have a heat source. It says, that at equilibrium (which involves averaging over the complete orbit), the heat absorbed from the sun equals the heat radiated into space. An important consequence is that—at equilibrium—any change in outgoing IR must be caused by a change in either the solar intensity or the overall albedo. ***IPCC***'s climate models often ignore this fact when calculating the Equilibrium Climate Sensitivity.

Of course, both the solar intensity (known as Total Solar Irradiance, TSI) and the albedo can change. ***IPCC***'s climate models assume no change in solar intensity.

Since the radiative forcing by CO2 is entirely inadequate to capture the increased surface IR from ***IPCC***'s predicted warming, ***IPCC*** could speculate that the albedo might decrease by enough to send the excess IR to space; however, ***IPCC***'s models show slight increases in albedo. By contrast, Svensmark's notion that the influence of the solar magnetic field on the cosmic ray flux, hence the albedo, gets the algebraic sign of the changes in albedo correct.

Some studies have shown correlations of climate with solar activity, the most notable of which is that the Little Ice Age coincided with the Maunder Minimum (of sunspots).

Hayden's application of basic physics provides a good guide from which we can evaluate climate models. Use the model's own numbers to see whether they make sense. For the essays, see links under [*http://sepp.org/science\_papers.cfm*](http://sepp.org/science_papers.cfm)[2]

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Betrayal of Trust: Jennifer Marohasy reviews 224 temperature series, which have been 'homogenized' (altered) by the Australian Bureau of Meteorology. Fortunately, some datasets have been preserved as entered. The most glaring example of alteration is for Darwin, which was bombed during World War II. Marohasy writes:

'The extent of their remodeling is mind boggling, including for Darwin, where in the most recent iteration temperatures in the historical record are artificially cooled including for the period of World War 2.

'Darwin was bombed 64 times by the Japanese during World War 2. The first air raid destroyed the weather station at the post office and killed the postmaster, but Darwin also had a weather station at the airport that had been in operation almost a year.

'The Australian War Memorial would never change important historical war records, yet the Australian Bureau of Meteorology has remodeled Darwin's temperature record dropping down maximum temperatures during World War 2 by on average 1C for 1941 and on average 0.5 C for 1942. The Bureau has done this by changing daily temperatures.'

She then gives other examples of fiddling with the data. See links under Challenging the Orthodoxy.

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New, Improved Data? Writing in WUWT, Kip Hansen describes the fanfare surrounding a new U.S.-European satellite to estimate sea levels. He presents graphs showing results from previous satellites, starting in late 1992. There is significant variation in the rate of rise. There are many adjustments to the data. Yet, for some reason government agencies reporting sea levels ignore periods during which the data shows the rate of rise has fallen. Among his conclusions, Hansen writes:

'There is a new satellite up that, among other things, will measure sea level rise. It is in reality no more accurate than the previous sea level rise monitoring satellites, the Jason series, but it will continue the long-term effort begun in late 1992.

'Sea Level changes measured by satellite and reported in single digit millimeters are the result of computational hubris:

Hansen then defines the term: 'Computational Hubris: An inordinate and unjustified trust, or faith if you like, in the power of advanced computational machines and processes to produce highly accurate and extremely precise results from relatively inaccurate and imprecise, highly uncertain data using techniques and methods that have not been tested nor verified to be suited to, or sufficient for, the purpose.'[Boldface in original]

Also, in WUWT, Larry Hamlin goes through many of the false claims made about sea level rise since 1990, the beginning of the ***IPCC***. US agencies, such as NOAA, USGS, and the Corps of Engineers have contributed to these false claims. In the long post, he discusses the report 'Global and Regional Sea Level Rise Scenarios for the United States' endorsed by NOAA, EPA, DOD, Corps of Engineers, USGS, and FEMA. Hamlin writes:

'The 2022 Global Sea Level Rise study 'extrapolations' and 'trajectories' used for assessing sea level rise during the 30-year period between 2020 and 2050 rely upon speculative and methodologically inadequate and uncertain claims of accelerating tide gauge measurements that are not supported by other well established global tide gauge data analysis. These inadequacies result in flawed claims of higher rates of global sea level rise during this 2020 to 2050 period asserted in the latest year 2022 GMSL [Global Mean Sea Level] study.'

Perhaps the most absurd part is the discussion of uncertainties. As Hamlin writes:

'Specifically identified under Process Uncertainty is the following 'For example, the sensitivity of the Antarctic ice sheets is not yet fully understood, (even though this process is the 'dominant source' of longer term global mean sea level rise as noted in both the 2017 and 2022 NOAA studies) leading to a substantial uncertainty in how sea level reacts to forcing changes.

'Additionally, the future conditions from processes, such as changes in ocean circulation and VLM, that impact RSL change more locally have uncertainty'.

'Emissions Uncertainty is noted as 'Various forcing scenarios describe possible GHG emission pathways, which range from quick emissions reductions to unmitigated future emissions.'

'The uncertainty in the future pathway is referred to as emissions uncertainty.'

'Under Natural Variability it is noted that 'Next to sea level changes caused by changes in GHG forcing, many physical processes cause natural variation (e.g., ENSO). The scenarios and uncertainty ranges for each scenario and for the observation-based trajectories in this report do not include variations due to natural variability.'

'The updated GMSL values in 2050, 2100, and 2150 relative to a 2000 baseline are shown for each of the five scenarios in Table 2.3.' [Table not shown here, Boldface in original]

In section 3, 'Emissions Matter', the report itself states:

'Current and future emissions matter. About 2 feet (0.6 meters) of sea level rise along the U.S. coastline is increasingly likely between 2020 and 2100 because of emissions to date. Failing to curb future emissions could cause an additional 1.5 - 5 feet (0.5 - 1.5 meters) of rise for a total of 3.5 - 7 feet (1.1 - 2.1 meters) by the end of this century.'

The government cannot produce climate models that are capable of describing what is occurring in the atmosphere today, where the greenhouse effect occurs. Yet, it produces reports with projections all the way to 2150 on what may happen? This truly is an example of using mathematics to convert small errors into ridiculous conclusions. See links under Defending the Orthodoxy and Changing Seas.

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Imaginary Reliability? As government entities expand false claims in 'scientific' reports, green organizations intensify their false claims that solar and wind power can be affordable and reliable. For example, National Public Radio claims that misinformation is delaying wind and solar projects and reports

'Climate change is killing people, but there's still time to reverse the damage.'

'In reaction to the [latest UN] report, U.N. Secretary-General, António Guterres doubled down on that message, calling fossil fuels 'a dead end.'

''Coal and other fossil fuels are choking humanity,' Guterres says. Fossil fuel companies, banks and investors are all complicit, he argues. 'Those in the private sector still financing coal must be held to account. Oil and gas giants - and their underwriters - are also on notice.''

If there is any source of misinformation it is the UN, and its Secretary-General is flopping like a fish out of water in its reaction to the Russian invasion of Ukraine. Why trust any organization that claims results of climate studies are scientific when they ignore the great advances made in atmospheric science over the past 50 years?

Francis Menton gives a good overview of many of the false claims that solar and wind power can be made affordable and reliable. In 'The People Promising Us 'Net Zero' Have No Clue About The Energy Storage Problem' Menton covers ambitious plants in California, Australia, and New York. He summarizes the problem as:

'It is (or certainly should be) obvious that wind and solar generators have substantial periods when they generate nothing (e.g., calm nights), and other times when they generate far less than users demand. Get out a spreadsheet to do some calculations based on actual historical patterns of usage and generation from wind and solar sources, and you will find that to have a fully wind/solar generation system and make it through a year without a catastrophic failure, you will need approximately a three-times overbuild (based on rated capacity) of the wind/solar system, plus storage for something in the range of 24 - 30 days of average usage. For these purposes 'usage' at any given moment is measured in gigawatts, but usage for some period of time is measured in gigawatt hours, not gigawatts. California's average electricity usage for 2020 was about 31 GW; Australia's was about 26 GW; and New York's was about 18 GW.

'To calculate how much storage you need in gigawatt hours, multiply average usage in GW by 30 days and 24 hours per day. So, California will need about 22,302 GWH of storage, Australia about 18,720 GWH, and New York about 12,960 GWH. That is to supply current levels of demand. For the 'everything electrified' case, triple all of these numbers: 66,906 GWH for California, 56,160 GWH for Australia, and 38,880 GWH for New York. Price that out at current costs of Tesla-type lithium-ion batters (~$150/KWH) and you will get around $10 trillion for California, $8.4 trillion for Australia, and $5.8 trillion for New York.' [Boldface added]

Menton then describes how an independent analyst, Roger Caiazza, discovered how New York will address its storage problem.

'Here's Caiazza's big discovery. Rather than proposing a massive build of batteries, New York's 'experts' think they have a better idea: the 'DEFR'. That stands for 'Dispatchable Emissions Free Resource.' And what exactly is that? As far as Caiazza can determine, it's something that hasn't been invented yet. Caiazza links to this March 24 Report from New York's Independent System Operator, title 'System and Resource Outlook Update.' Plow your way through 17 pages of incomprehensible gibberish and you will come to this on page 18:

''DEFR Builds Allowed Starting in 2030

''Input Assumption Adjusted:

''First allowable year for DEFR builds advanced to 2030

'' Caveats:

Significant uncertainty related to cost / availability of DEFR technologies, as well as regulatory definition of 'zero-emissions' compliant technologies

Assumption is not based on estimate of realistic timeline for first potential DEFR additions

'' Observations:

\* DEFR capacity build earlier on in model horizon, although comparable capacity builds by 2040

\* Decreased fossil capacity (i.e., primarily earlier retirements and less new builds) offset by earlier DEFR capacity additions

'Yes, we are to be completely dependent on so-called 'DEFR' technologies, which have not been invented yet and as to which 'significant uncertainties' exist. Could this get any more ridiculous?'

New York politicians believe that the imaginary climate crisis is real and will address the real electricity storage problem with imaginary storage. See links under Challenging the Orthodoxy, Defending the Orthodoxy and Alternative, Green ('Clean') Solar and Wind.

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Can It Pass Its Regulations? The declaration by the SEC that it will regulate carbon dioxide emissions for climate impacts has prompted a number of responses. Energy analyst Donn Dears writes:

'Americans rely on savings and investments to provide for their future, whether it be to buy a home or ensure a safe retirement.

'They should be terrorized by this SEC proposal, whose premises cannot be supported by the facts.

'The SEC document says, '68 out of 77 industries are likely to be significantly affected by climate risk.'

'If 90% of all industries are to be affected by GHG emissions and efforts to achieve net zero, then a huge percentage of people's savings are going to be threatened by the SEC proposal. Resources used to eliminate GHG emissions will detract from a company's ability to pursue its purpose.'

In Master Resource, Richard Fulmer writes:

'In her response to the announcement, SEC Commissioner Hester M. Peirce offered objections to the proposal, citing its lack of:

'A credible rationale for such a prescriptive framework when our existing disclosure requirements already capture material risks relating to climate change.

'A materiality limitation.

'A compelling explanation of how the proposal will generate comparable, consistent, and reliable disclosures. [Boldface added]

'An adequate statutory basis for the proposal.

'A reasonable estimate of costs to companies; and

'An honest reckoning with the consequences to investors, the economy, and this agency.

The following are highlights of Pierce's statement:

'The proposal turns the disclosure regime on its head. Current SEC disclosure mandates are intended to provide investors with an accurate picture of the company's present and prospective performance through managers' own eyes. The proposal, by contrast, tells corporate managers how regulators, doing the bidding of an array of non-investor stakeholders, expect them to run their companies. It identifies a set of risks and opportunities—some perhaps real, others clearly theoretical—that managers should be considering and even suggests specific ways to mitigate those risks. It forces investors to view companies through the eyes of a vocal set of stakeholders, for whom a company's climate reputation is of equal or greater importance than a company's financial performance.'

The Biden Administration has failed to produce physical evidence that there is a physical climate crisis caused by use of fossil fuels. Yet, it is using this imaginary crisis to cause real harm to the American public. See links under Expanding the Orthodoxy and Below the Bottom Line.

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SEPP'S APRIL FOOLS AWARD - THE JACKSON

SEPP is conducting its annual vote for the recipient of the coveted trophy, The Jackson, a lump of coal. Readers are asked to nominate and vote for who they think is most deserving. The entire Biden Administration won in 2021, so individuals in it are still eligible.

The voting will close on July 30. Please send your nominee and a brief reason why the person is qualified for the honor to [*Ken@SEPP.org*](mailto:Ken@SEPP.org) . The awardee will be announced at the annual meeting of the Doctors for Disaster Preparedness on August 14 to 16.;

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Number of the Week: 63% more by 2030: According to reports:

'Union Minister of Coal, Mines and Parliamentary Affairs Pralhad Joshi said on Monday the country's coal demand is likely to increase to 1.5 billion tonnes by 2030, which will be around 63 per cent higher from the current level.'

Tonnes are metric tons or about 1.12 US tons (2,240 lbs.). According to Our World in Data, India emitted about 2.44 billion tons of CO2 in 2020, the US 4.71 billion, and China 10.67 billion. In 2006, China emitted more than the US for the first time; 6.49 tons compared with 6.05 tons. Assuming US emissions do not change and no great improvements in technology, India is on track to exceed the US in emissions shortly after 2030.

Despise all the dire warnings from the UN and the US, India and China do not believe the Himalayas will melt or that there is a climate crisis. Just like China, India will not go back to extreme poverty. See link under Return of King Coal?

Censorship

Illegal To Criticize Politicians In Germany

By Tony Heller, His Blog, Mar 31, 2022

[*https://realclimatescience.com/2022/03/illegal-to-criticize-politicians-in-germany/;*](https://realclimatescience.com/2022/03/illegal-to-criticize-politicians-in-germany/;)

Challenging the Orthodoxy — NIPCC

Climate Change Reconsidered II: Physical Science

Idso, Carter, and Singer, Lead Authors/Editors, Nongovernmental International Panel on Climate Change (NIPCC), 2013

Summary: [*https://www.heartland.org/\_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf*](https://www.heartland.org/_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf)[3]

Climate Change Reconsidered II: Biological Impacts

Idso, Idso, Carter, and Singer, Lead Authors/Editors, Nongovernmental International Panel on Climate Change (NIPCC), 2014

[*http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts*](http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts)/[4]

Summary: [*https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf*](https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf)[5]

Climate Change Reconsidered II: Fossil Fuels

By Multiple Authors, Bezdek, Idso, Legates, and Singer eds., Nongovernmental International Panel on Climate Change, April 2019

[*http://store.heartland.org/shop/ccr-ii-fossil-fuels/*](http://store.heartland.org/shop/ccr-ii-fossil-fuels/)[6]

Download with no charge:

[*http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf*](http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf)[7]

Why Scientists Disagree About Global Warming

The NIPCC Report on the Scientific Consensus

By Craig D. Idso, Robert M. Carter, and S. Fred Singer, Nongovernmental International Panel on Climate Change (NIPCC), Nov 23, 2015

[*http://climatechangereconsidered.org*](http://climatechangereconsidered.org)/[8]

Download with no charge:

[*https://www.heartland.org/policy-documents/why-scientists-disagree-about-global-warming*](https://www.heartland.org/policy-documents/why-scientists-disagree-about-global-warming)

Nature, Not Human Activity, Rules the Climate

S. Fred Singer, Editor, NIPCC, 2008

[*http://www.sepp.org/publications/nipcc\_final.pdf*](http://www.sepp.org/publications/nipcc_final.pdf)[9]

Global Sea-Level Rise: An Evaluation of the Data

By Craig D. Idso, David Legates, and S. Fred Singer, Heartland Policy Brief, May 20, 2019

Challenging the Orthodoxy

Why Blaming Recent Warming on Humans is Largely a Matter of Faith

By Roy Spencer, His Blog, Mar 3, 2022

[*http://www.drroyspencer.com/2022/03/why-recent-warming-blamed-on-humans-is-largely-a-matter-of-faith/*](http://www.drroyspencer.com/2022/03/why-recent-warming-blamed-on-humans-is-largely-a-matter-of-faith/)[10]

Total Least Squares Bias when Explanatory Variables are Correlated

By Ross McKitrick, EssoAr, Mar 24, 2022

[*https://www.essoar.org/doi/10.1002/essoar.10510919.1*](https://www.essoar.org/doi/10.1002/essoar.10510919.1)

The People Promising Us 'Net Zero' Have No Clue About The Energy Storage Problem

By Francis Menton, Manhattan Contrarian, Mar 27, 2022

[*https://www.manhattancontrarian.com/blog/2022-3-25-aivx0sdredj216gyhhvx186ph4kyzz*](https://www.manhattancontrarian.com/blog/2022-3-25-aivx0sdredj216gyhhvx186ph4kyzz)

CRISIS: Soaring Costs of Energy in UK/Europe - A Video Interview with Dr. Benny Peiser of GWPF

By Anthony Watts, WUWT, Mar 30, 2022

The '100,000-Year Problem' and Earth's Chaotic Non-Linear Climate

By Mike Jones, WUWT, Mar 28, 2022

Link to paper: The inter-glacial cycle is not a 100,000-year cycle, it is a shorter cycle with missing beats

By Michael Oldfield Jonas, World Journal of Advanced Research and Reviews, Mar 22, 2022

[*https://wjarr.com/content/inter-glacial-cycle-not-100000-year-cycle-it-shorter-cycle-missing-beats*](https://wjarr.com/content/inter-glacial-cycle-not-100000-year-cycle-it-shorter-cycle-missing-beats)

Comprehensive European Study Finds Warmer Climate Periods Do Not Lead To More Conflict, War

By P Gosselin, No Tricks Zone, Mar 27, 2022

Link to paper: A Song of Neither Ice nor Fire: Temperature Extremes had No Impact on Violent Conflict Among European Societies During the 2nd Millennium CE

By W. Christopher Carleton, et al, Frontiers in Earth Science, Nov 17, 2021

[*https://www.frontiersin.org/articles/10.3389/feart.2021.769107/full#:~:text=10.3389%2Ffeart.2021.769107-,A%20Song%20of%20Neither%20Ice%20nor%20Fire%3A%20Temperature%20Extremes%20had,During%20the%202nd%20Millennium%20CE&text=The%20second%20millennium%20CE%20in,climatic%20extremes%20and%20bloody%20conflict*](https://www.frontiersin.org/articles/10.3389/feart.2021.769107/full#:~:text=10.3389%2Ffeart.2021.769107-,A%20Song%20of%20Neither%20Ice%20nor%20Fire%3A%20Temperature%20Extremes%20had,During%20the%202nd%20Millennium%20CE&text=The%20second%20millennium%20CE%20in,climatic%20extremes%20and%20bloody%20conflict).

All 224 Homogenised Temperature Series - Including the Bombing of Darwin

By Jennifer Marohasy, Her Blog, Mar 31, 2022

Atmospheric Physicist: CO2 Explains 0.1C Of 1975-2000 Warming - 'One Fifth Of The ***IPCC*** Assumption'

By Kenneth Richard, No Tricks Zone, Mar 28, 2022

Link to paper: On the importance of the natural components in climate change study: Temperature rise in the study of climate change

By Syun Ichi Akasofu & Hiroshi L Tanaka, Physics & Astronomy International Journal, Aug 27, 2021

[*http://gpvjma.ccs.hpcc.jp/~tanaka/web/papers/PAIJ-05-00236.pdf*](http://gpvjma.ccs.hpcc.jp/~tanaka/web/papers/PAIJ-05-00236.pdf)[11]

PERSPECTIVE: Inconvenient truths about energy

By Chris Wright, The Gazette (Denver), Mar 29, 2022

[*https://gazette.com/denver-gazette/perspective-inconvenient-truths-about-energy/article\_8a0d6248-ab7e-11ec-aac7-8f4d81c93907.html*](https://gazette.com/denver-gazette/perspective-inconvenient-truths-about-energy/article_8a0d6248-ab7e-11ec-aac7-8f4d81c93907.html)

Defending the Orthodoxy

2022 Sea Level Rise Technical Report

Updated projections available through 2150 for all U.S. coastal waters.

By Staff, NOAA, NASA, EPA, USGS, Department of Homeland Security, FEMA, Corps of Engineers, and DOD, 2022

[*https://oceanservice.noaa.gov/hazards/sealevelrise/sealevelrise-tech-report.html#:~:text=Sea%20level%20along%20the%20U.S.,years%20(1920%20%2D%202020).;*](https://oceanservice.noaa.gov/hazards/sealevelrise/sealevelrise-tech-report.html#:~:text=Sea%20level%20along%20the%20U.S.,years%20(1920%20%2D%202020).;)

Misinformation is derailing renewable energy projects across the United States

By Julia Simon, NPR, Mar 28, 2022

[*https://www.npr.org/2022/03/28/1086790531/renewable-energy-projects-wind-energy-solar-energy-climate-change-misinformation*](https://www.npr.org/2022/03/28/1086790531/renewable-energy-projects-wind-energy-solar-energy-climate-change-misinformation)

Link to story: Climate change is killing people, but there's still time to reverse the damage

By Rebecca Hersher, NPR, Feb 28, 2022

[*https://www.npr.org/2022/02/28/1082564304/billions-of-people-are-in-danger-from-climate-change-u-n-report-warns*](https://www.npr.org/2022/02/28/1082564304/billions-of-people-are-in-danger-from-climate-change-u-n-report-warns)

5 New Reports Show Wind And Solar Power Can Cripple Putin, Secure Climate Goals

By David Vetter, Forbes, Mar 30, 2022

[*https://www.forbes.com/sites/davidrvetter/2022/03/30/5-new-reports-show-wind-and-solar-power-can-cripple-putin-secure-climate-goals/?sh=3671d9c575e4*](https://www.forbes.com/sites/davidrvetter/2022/03/30/5-new-reports-show-wind-and-solar-power-can-cripple-putin-secure-climate-goals/?sh=3671d9c575e4)

Link to one such report: Global Electricity Review 2022

By Dave Jones, EMBER, Mar 30, 2022

[*https://ember-climate.org/insights/research/global-electricity-review-2022/*](https://ember-climate.org/insights/research/global-electricity-review-2022/)

[SEPP Comment: The report addresses capacity, but not reliability. Capacity means little without reliability.]

Energy: No Time for Half Measures

By Carl Pope & Robbie Diamond, Real Clear Energy, March 30, 2022

[*https://www.realclearenergy.org/articles/2022/03/30/energy\_no\_time\_for\_half\_measures\_824540.html*](https://www.realclearenergy.org/articles/2022/03/30/energy_no_time_for_half_measures_824540.html)

'The real solution to overpriced fuel is to end oil's chokehold on our transportation system and economy. That means transitioning our ground transportation fleet to electric vehicles (EVs), powered by a domestic, stable, and diverse portfolio of energy resources instead of being dependent on one fuel source.'

Questioning the Orthodoxy

A Brief Summary Of How 'Global Warming' Science Has Changed Since 1998

By Kenneth Richard, No Tricks Zone, Mar 31, 2022

[SEPP Comment: The claims of certainty become more intense, as data shows results are diverging greatly from reality.]

Climate Past Far From Settled: 7 Major Temperature Reconstructions Find No Agreement

By P Gosselin, No Tricks Zone, Mar 29, 2022

[SEPP Comment: Proxy reconstructions are difficult and often have major errors. Also, the surface temperature records by NOAA and NASA-GISS have unknown errors introduced by those entrusted for their safekeeping.]

The 'Religiofication' of Climate Change

By Scott Sturman, American Thinker, Apr 1, 2022

[*https://www.americanthinker.com/articles/2022/04/the\_religiofication\_of\_climate\_change.html*](https://www.americanthinker.com/articles/2022/04/the_religiofication_of_climate_change.html)

[SEPP Comment: Instead of Eric Hoffer's term of 'Religiofication' one can call it ideological zealotry.]

A new assessment of extreme weather trends: natural disasters

By John Robson, Climate Discussion Nexus, Mar 30, 2022

Energy and Environmental Review: March 28, 2022

By John Droz, Master Resource, Mar 28, 2022

After Paris!

UAE Energy Minister: Stop Vilifying And Then Venerating Oil Producers

By Tsvetana Paraskova, Oil Price.com, Mar 28, 2022

[*https://oilprice.com/Energy/Energy-General/UAE-Energy-Minister-Stop-Vilifying-And-Then-Venerating-Oil-Producers.html*](https://oilprice.com/Energy/Energy-General/UAE-Energy-Minister-Stop-Vilifying-And-Then-Venerating-Oil-Producers.html)

Al-Mazrouei: I think in COP 26 all the producers felt they were uninvited and unwanted but now we are again superheroes.

The oil and gas industry needs long-term planning and investments every year despite the global push for renewables.

Al-Mazrouei: politics around sanctioned countries should not interfere with OPEC's broader mission.

[SEPP Comment: The hypocrisy of western politicians is clear.]

Change in US Administrations

Biden Promised Europe More LNG From US Forgot to Check With Industry First

By David Middleton, Mar 26, 2022

'Biden promised to deliver something he doesn't control and was probably going to happen anyway.'

Biden announces largest-ever oil reserve release

By Rachel Frazin and Morgan Chalfant, The Hill, Mar 31, 2022

Canadian official knocks Biden, says asking Iran, Venezuela for oil is 'absolutely senseless'

Fox News poll shows only 33% of voters agree with getting oil from Iran and Venezuela

By Nikolas Lanum, Fox News, Mar 25, 2022

[*https://www.foxnews.com/media/canadian-official-biden-iran-venezuela-oil-senseless*](https://www.foxnews.com/media/canadian-official-biden-iran-venezuela-oil-senseless)

[Finance Minister Sonya] 'Savage said during an appearance on 'America's Newsroom.' 'And yet we see them going to Venezuela, Iran, Saudi Arabia, for more energy. It's absolutely senseless. We're right next door.'

'Savage, who is also the leader of the Alberta Legislative Assembly, added that the thought of asking for oil from those countries was 'utterly ridiculous' and asserted North America and many European countries have been 'funding' Russia's war on Ukraine through 'dysfunctional energy policy.''

Energy Efficiency under Biden's DOE: An Update

By Mark Krebs, Master Resource, Mar 30, 2022

Problems in the Orthodoxy

Vexing Truths About Energy

By Ron Clutz, Science Matters, Apr 1, 2022

'The energy transition is not happening. Or not nearly at the pace that everyone believes or wishes. At current rates the 'transition' is set to finish in the mid-2600s.'

'[CO2] Emissions are at an All Time High': UN Admits they are Losing

By Eric Worrall, WUWT, Apr 1, 2022

Leading Environmental Group NABU Now Vigorously Opposes Wind Parks In German Forests

By P Gosselin, No Tricks Zone, Mar 26, 2022

Seeking a Common Ground

10 Types of Scientific Misconduct

By Enago Academy, Nov 26, 2022

Office of Research Integrity

US Department of Health & Human Services Accessed Mar 31, 2022

[*https://ori.hhs.gov/definition-research-misconduct*](https://ori.hhs.gov/definition-research-misconduct)

Science, Policy, and Evidence

Eric Nuttall: What Canadian policymakers can learn from Europe's energy woes

It should be obvious: the world needs more, not less, of Canada's abundant and ethically produced energy

By Eric Nuttall, Financial Post, Canada, Mar 1, 2022

[*https://financialpost.com/commodities/energy/oil-gas/eric-nuttall-what-canadian-policymakers-can-learn-from-europes-energy-woes*](https://financialpost.com/commodities/energy/oil-gas/eric-nuttall-what-canadian-policymakers-can-learn-from-europes-energy-woes)

Models v. Observations

Inside Climate News Confuses Models with Reality

By Linnea Lueken, Climate Realism, Mar 31, 2022

Model Issues

'Earth is transitioning': Models suggest more megadroughts

By Blaine Friedlander, Cornell Chronical, Mar 24, 2022 [H/t Jim Buell]

[*https://news.cornell.edu/stories/2022/03/earth-transitioning-models-suggest-more-megadroughts;*](https://news.cornell.edu/stories/2022/03/earth-transitioning-models-suggest-more-megadroughts;)

Link to paper: Twenty-first century hydroclimate: A continually changing baseline, with more frequent extremes

By Samantha Stevenson, et al. Mar 14, 2022

[*https://www.pnas.org/doi/10.1073/pnas.2108124119*](https://www.pnas.org/doi/10.1073/pnas.2108124119)

From significance: 'Using large climate model ensembles, we remove the background trend and find that the risk of droughts and pluvials relative to that (changing) baseline is fairly similar to the 20th century risk.'

Measurement Issues — Surface

North America Sees Coldest Winter In Years While NOAA Guesses Temperature Where Thermometers Are Sparse

By Christian Freuer, EIKE, Via No Tricks Zone, Mar 30, 2022

Millions of historical monthly rainfall observations taken in the UK and Ireland rescued by citizen scientists

By Ed Hawkins, et al. Geoscience Data Journal, Royal Meteorological Society, Mar 24, 2022 [H/t WUWT]

[*https://rmets.onlinelibrary.wiley.com/doi/10.1002/gdj3.157*](https://rmets.onlinelibrary.wiley.com/doi/10.1002/gdj3.157)

Weather Records Shattered-180 Years Ago

By Paul Homewood, Not a Lot of People Know That, Mar 26, 2022

Measurement Issues — Atmosphere

NASA Science Enables First-of-its-Kind Detection of Reduced Human CO2 Emissions

By Jessica Merzdorf Evans, NASA, Mar 31, 2022 [H/t WUWT]

[*https://www.nasa.gov/feature/goddard/2022/for-the-1st-time-nasa-spots-short-term-drops-in-co2-emissions-from-human-activity*](https://www.nasa.gov/feature/goddard/2022/for-the-1st-time-nasa-spots-short-term-drops-in-co2-emissions-from-human-activity)

The Beauty of Atmospheric Water Vapor

By Cliff Mass, Weather Blog, Mar 27, 2022

[*https://cliffmass.blogspot.com/2022/03/the-beauty-of-atmospheric-water-vapor.html*](https://cliffmass.blogspot.com/2022/03/the-beauty-of-atmospheric-water-vapor.html)

Changing Weather

A Super Jet Stream Will Cross the Pacific this Weekend.

By Cliff Mass, Weather Blog, Mar 29, 2022

[*https://cliffmass.blogspot.com/2022/03/a-super-jet-stream-will-cross-pacific.html*](https://cliffmass.blogspot.com/2022/03/a-super-jet-stream-will-cross-pacific.html)

Where Would a Toxic Release over Ukraine End Up? The Pacific Northwest Would Be In the Downstream Plume

By Cliff Mass, Weather Blog, Mar 31, 2022

[*https://cliffmass.blogspot.com/2022/03/where-would-toxic-release-over-ukraine.html*](https://cliffmass.blogspot.com/2022/03/where-would-toxic-release-over-ukraine.html)

US Largest Tornado Outbreak

By Tony Heller, His Blog, Mar 31, 2022

[*https://realclimatescience.com/2022/03/us-largest-tornado-outbreak/*](https://realclimatescience.com/2022/03/us-largest-tornado-outbreak/)

March 31, 1962, Florida Tornado

By Tony Heller, His Blog, Mar 31, 2022

[*https://realclimatescience.com/2022/03/march-31-1962-florida-tornado/*](https://realclimatescience.com/2022/03/march-31-1962-florida-tornado/)

March 31, 1973, Tornado And Floods

By Tony Heller, His Blog, Mar 31, 2022

[*https://realclimatescience.com/2022/03/march-31-1973-tornado-and-floods/*](https://realclimatescience.com/2022/03/march-31-1973-tornado-and-floods/)

'On March 31, 1973, there were deadly tornadoes in Georgia and 600 miles of the Mississippi River were flooded.'

Changing Seas

34 Years of Flawed, Failed & Grossly Misrepresented Global Sea Level Rise Speculation

By Larry Hamlin, WUWT, Mar 29, 2022

Sentinel-6: New International Sea Level Satellite

By Kip Hansen, WUWT, Mar 31, 2022

[SEPP Comment: Good cautions in how sea levels are reported such as: 'Sea Level changes measured by satellite and reported in single digit millimeters are the result of computational hubris:']

Changing Cryosphere - Land / Sea Ice

Solar energy explains fast yearly retreat of Antarctica's sea ice

Press Release by University of Washington, Via WUWT, April 1, 2022

Link to paper: Asymmetry in the seasonal cycle of Antarctic sea ice driven by insolation

By L. A. Roach, et al. Nature Geoscience, Mar 28, 2022

[*https://www.nature.com/articles/s41561-022-00913-6*](https://www.nature.com/articles/s41561-022-00913-6)

From the abstract: 'The mean seasonal cycle of Antarctic sea-ice extent is asymmetric, with the period of ice retreat being approximately two months shorter than the period of ice advance. This feature is largely consistent in observations from year to year and across different satellite products.'

Antarctic Sea Ice Minimum is Nothing Unusual

By David Whitehouse, Net Zero Watch, Mar 31, 2022

Antarctic Heatwaves?

By Paul Homewood, Not a Lot of People Know That, Mar 28, 2022

[SEPP Comment: Homewood presents data from KNMI, of the Netherlands. 'KNMI provides meteorological and seismological products and services that support various government organizations in their public tasks and responsibilities in the field of public order and safety. KNMI is an agency of the Ministry of Infrastructure and Water Management.'

Can't get enough of that Arctic ice

By John Robson, Climate Discussion Nexus, Mar 30, 2022

Newfoundland polar bear sighting two days ago: why my novel was set on Fogo Island in March

By Susan Crockford, Polar Bear Science, Mar 31, 2022

Thermodynamics and ice melt flows

By Dan Hughes, Climate Etc. Mar 31, 2022

Lowering Standards

CNN lost half its audience in the last year

By Jo Nova, Her Blog, Mar 31, 2022

Heatwave temperature threshold raised in England by Met Office

By Paul Homewood, Not a Lot of People Know That, Mar 29, 2022

Renewable energy agency head says only 'radical action' will accomplish transition

By Zack Budryk, The Hill, Mar 29, 2022

[*https://thehill.com/policy/energy-environment/600227-renewable-energy-agency-head-says-only-radical-action-will/*](https://thehill.com/policy/energy-environment/600227-renewable-energy-agency-head-says-only-radical-action-will/)

Rowlatt [of BBC] Facing Two Complaints Over Panorama

By Paul Homewood, Not a Lot of People Know That, Mar 30, 2022

Communicating Better to the Public - Exaggerate, or be Vague?

Climate leadership

By John Robson, Climate Discussion Nexus, Mar 30, 2022

Climate History Began Eight Years Ago

By Tony Heller, His Blog, March 26, 2022 [H/t Paul Homewood]

[*https://rumble.com/vylgye-climate-history-began-eight-years-ago.html*](https://rumble.com/vylgye-climate-history-began-eight-years-ago.html)

Video

Mere security

By John Robson, Climate Discussion Nexus, Mar 30, 2022

The Economist: ''As we show in this week's issue, the new era will not end the curse of energy crises and autocrats. As Western firms stop producing oil because of greenery and costs, the market share of OPEC plus Russia will grow, giving them more clout. And the transition will give rise to new electrostates providing green metals such as copper and lithium, where production will still be dangerously concentrated. Building a cleaner and safer energy system is essential, but it is also an epic, risky and daunting task.''

Communicating Better to the Public - Make things up.

Ice shelf collapses in previously stable East Antarctica

By Seth Borenstein, AP, Mar 25, 2022

[*https://apnews.com/article/climate-science-new-york-new-york-city-antarctica-4f5f1817bffd632e48e845d4638cc237*](https://apnews.com/article/climate-science-new-york-new-york-city-antarctica-4f5f1817bffd632e48e845d4638cc237)

'The collapse, captured by satellite images, marked the first time in human history that the frigid region had an ice shelf collapse.' [Boldface added]

[SEPP Comment: It didn't happen during the warming that ended the last glaciation, about 18,000 years ago? Who know what collapse means? If it is floating, it makes no difference to sea level. But the entire article adds nothing.]

Communicating Better to the Public - Do a Poll?

70% of Australians don't even want to spend $1 a week on 'Net Zero'

By Jo Nova, Her Blog, Mar 29, 2022

[SEPP Comment: A poll that asks to a real question.]

Communicating Better to the Public - Use Propaganda

Jetting off to save the world

By John Robson, Climate Discussion Nexus, Mar 30, 2022

[SEPP Comment: These 'world leaders' have nothing to offer but propaganda.]

Unpacking the claim that photos from 1950 are Soviet soldiers feeding 'starving' polar bears

By Susan Crockford, Polar Bear Science, Mar 28, 2022

[SEPP Comment: Our tanks come in peace?]

Communicating Better to the Public - Protest

SMH: 'Disruptive action on climate only preaches to the converted'

By Eric Worrall, WUWT, Mar 30, 2022

Expanding the Orthodoxy

The SEC's Power Grab Attempt: A Powerful Dissent

By Richard W. Fulmer, Master Resource, Mar 25, 2022

SEC Goes Woke On Climate, Abandons Mission to Protect Investors & Markets

By H. Sterling Burnett, Human Events, Mar 22, 2022

'The SEC's role in these matters should be limited to ensuring 'truth in advertising,' a policing function.'

[SEPP Comment: Wind and solar promoters would fail.]

The SEC tries its hand at climate policy

By Rupert Darwall, The Hill, Mar 30, 2022

SEC Promotes Net Zero

By Donn Dears, Power For USA, Mar 29, 2022

The SEC climate rule: 7 things investors need to know

By Greg Iacurci, CNBC, Mar 24, 2022

[*https://www.cnbc.com/2022/03/24/the-sec-climate-rule-7-things-investors-need-to-know.html*](https://www.cnbc.com/2022/03/24/the-sec-climate-rule-7-things-investors-need-to-know.html)

[SEPP Comment: Everybody is demanding it???]

U.S. Treasury's 'Climate Hub' (on the road to serfdom)

By Robert Bradley Jr., Master Resource, Apr 1, 2022

[SEPP Comment: The US Treasury is a leader of Washington's War on Reliable Energy?]

The Ukraine Tragedy as Political Opportunism

By Benjamin Zycher, Real Clear Energy, March 28, 2022

[*https://www.realclearenergy.org/articles/2022/03/28/the\_ukraine\_tragedy\_as\_political\_opportunism\_824095.html*](https://www.realclearenergy.org/articles/2022/03/28/the_ukraine_tragedy_as_political_opportunism_824095.html)

'This opportunism has taken two forms. The first is the laughable attempt to blame high gasoline prices on anyone, everyone other than the Biden administration. High gasoline prices represent 'Putin's price hike,' a stance not consistent with the reality that gasoline prices have been rising since December 2020. The oil companies are engaged in 'price gouging' and 'profiteering,' an argument not consistent with the failure of overseas gasoline producers to drive prices down by exporting ever-more gasoline to the U.S. market, thus capturing those profits for themselves.'

Questioning European Green

Radical plan to end the energy crisis

By John Constable and Andrew Montford, Net Zero Watch, Mar 27, 2022

Link to report: Taking Back Control: Addressing Britain's Energy Crisis

By John Constable and Andrew Montford, Net Zero Watch, 2022

[*https://www.netzerowatch.com/content/uploads/2022/03/Taking-Back-Control-Energy-Plan-.pdf?mc\_cid=4882a25179&mc\_eid=UNIQID*](https://www.netzerowatch.com/content/uploads/2022/03/Taking-Back-Control-Energy-Plan-.pdf?mc_cid=4882a25179&mc_eid=UNIQID)\;

'Renewables have been 'a catastrophic error''

Madness of our worship of wind:

They despoil our glorious countryside, add 6 billion a year to our household bills and are arguably the most inefficient solution to our energy crisis. So why is the Government planning to make it even easier to build them?

By Matt Ridley, Daily Mail, [UK] Mar 27, 2022 [H/t Paul Homewood]

[*https://www.dailymail.co.uk/news/article-10657721/Madness-worship-wind-despoil-glorious-countryside-add-6bn-household-bills.html;*](https://www.dailymail.co.uk/news/article-10657721/Madness-worship-wind-despoil-glorious-countryside-add-6bn-household-bills.html;)

'Four per cent of total primary demand for energy was supplied by wind power

'Wind industry has been fattened on subsidies of more than 6billion a year

'Turbines to be given easier planning process ride than housing or gas drilling.'

Questioning Green Elsewhere

Op-Ed: The Rich Are Taking the Poor to the Cleaners on 'Green' Energy in Countries That Can Least Afford It

By Vijay Jayaraj, The Western Journal, Mar 30, 2022

Funding Issues

Statement by NSF Director Sethuraman Panchanathan on the President's Fiscal Year 2023 budget

Press Release, NSF, Mar 28, 2022

[*https://www.nsf.gov/news/news\_summ.jsp?WT.mc\_ev=click&WT.mc\_id=USNSF\_51&cntn\_id=304725&utm\_medium=email&utm\_source=govdelivery*](https://www.nsf.gov/news/news_summ.jsp?WT.mc_ev=click&WT.mc_id=USNSF_51&cntn_id=304725&utm_medium=email&utm_source=govdelivery)

'The President's budget, which includes $10.5 billion for the U.S. National Science Foundation, details his vision to expand on the historic progress the country has made over the last year and deliver the agenda he laid out in his State of the Union address — to build a better America, reduce the deficit, reduce costs for families, and grow the economy from the bottom up and middle out.' [Boldface added]

''We are excited about the Fiscal Year 2023 budget request which reflects the confidence that the President is placing in our agency and the critical role that NSF plays to keep our country at the forefront of science, engineering and education research and innovation,' said NSF Director Sethuraman Panchanathan.'

[SEPP Comment: Is using computer modeling to design an imaginary atmosphere part of science and engineering innovation?]

Minnesota Attorney General claims Ignorance When Pressed on Donor Influence

By William Allison, Energy in Depth, Mar 21, 2022

[*https://eidclimate.org/minnesota-attorney-general-claims-ignorance-when-pressed-on-donor-influence*](https://eidclimate.org/minnesota-attorney-general-claims-ignorance-when-pressed-on-donor-influence)/

[SEPP Comment: Another corrupted AG.]

Cap-and-Trade and Carbon Taxes

Turns out carbon taxes aren't free after al

By John Robson, Climate Discussion Nexus, Mar 30, 2022

'Part of the green mirage now vanishing due to the Ukraine War is this idea that somehow getting rid of affordable reliable energy would make us wealthier as well as cleaner and more elegant. Including in Canada the government's claim that as the carbon tax climbs towards its target of $170 per tonne most households would be better off, getting more back than they paid into it.'

'Which reminds us that there is no limit to the incompetence of people in government, not least because unlike people in business they do not pay a high price for delay, error and arrogance.'

Subsidies and Mandates Forever

The 'Sustainability' Business: A Gathering of Rent-Seekers

By Andrew Stuttford, National Review, Mar 24, 2022

Why negative subsidies don't mean lower bills

By Andrew Montford, Net Zero Watch, Mar 30, 2022

EPA and other Regulators on the March

Biden budget proposal includes nearly $2 billion increase for EPA

By Zack Budryk, The Hill, Mar 28, 2022

Statement by EPA Administrator Regan on the President's Fiscal Year 2023 Budget

The President's Fiscal Year 2023 budget requests $11.881 billion for the Environmental Protection Agency (EPA)'s essential work to protect people from pollution.

Press Release, EPA, Mar 28, 2022

[*https://www.epa.gov/newsreleases/statement-epa-administrator-regan-presidents-fiscal-year-2023-budget*](https://www.epa.gov/newsreleases/statement-epa-administrator-regan-presidents-fiscal-year-2023-budget)

'and deliver the agenda he laid out in his State of the Union address—to build a better America, reduce the deficit, reduce costs for families, and grow the economy from the bottom up and middle out.' [Boldface added]

EPA revives Obama-era rule removing emergency liability protection for polluters

By Zack Budryk, The Hill, Apr 1, 2022

[SEPP Comment: Using models, EPA conclusions are often ridiculous.]

Energy Issues - Non-US

Gas Rationing? Germany Paying a Horrible Price for Decades of Green Energy Insanity

By Eric Worrall, WUWT, Mar 31, 2022

Fossil Fuels v Renewable Energy

By Paul Homewood, Not a Lot of People Know That, Mar 31, 2022

'The alternative is green hydrogen, which is made by electrolysis. It is usually suggested that surplus wind power is used for this. However, the amounts of hydrogen which could be produced this way would be tiny, as well as extremely costly given the intermittency of the process.

'The bottom line is that we will still need gas, and lots of it, to back up a renewable heavy grid. Indeed, the more renewable capacity we build, the more backup we need.

'And that is only considering electricity. We need lots more gas for heating and industrial use.'

'The simple reality is that we will continue to need fossil fuels for many years to come.'

[SEPP Comment: Technical breakthroughs in keeping fractured wells flowing and in directional drilling were needed to end the claim that the world was about to run out of oil and gas. Technological breakthroughs are needed in storage to make wind and solar generation reliable and affordable. There seems to be none except pumped-hydro storage, which is not suitable for much of the world.]

The EU's Increasing Reliance on Oil and Gas Imports

By Roger Pielke Jr. The Honest Broker, Mar 31, 2022

[*https://rogerpielkejr.substack.com/p/the-eus-increasing-reliance-on-oil?token=eyJ1c2VyX2lkIjo3MDk1MzEsInBvc3RfaWQiOjUxMzkyNTc0LCJfIjoiTzFhNGYiLCJpYXQiOjE2NDg3NTc2MTEsImV4cCI6MTY0ODc2MTIxMSwiaXNzIjoicHViLTExOTQ1NCIsInN1YiI6InBvc3QtcmVhY3Rpb24ifQ.pc1Vt\_b16HXkm7tDf61MtjSI6IzWUA9SLq1haRf93q4&s=r*](https://rogerpielkejr.substack.com/p/the-eus-increasing-reliance-on-oil?token=eyJ1c2VyX2lkIjo3MDk1MzEsInBvc3RfaWQiOjUxMzkyNTc0LCJfIjoiTzFhNGYiLCJpYXQiOjE2NDg3NTc2MTEsImV4cCI6MTY0ODc2MTIxMSwiaXNzIjoicHViLTExOTQ1NCIsInN1YiI6InBvc3QtcmVhY3Rpb24ifQ.pc1Vt_b16HXkm7tDf61MtjSI6IzWUA9SLq1haRf93q4&s=r)

Has renewable energy reduced our dependence on natural gas?

By Paul Homewood, Not a Lot of People Know That, Mar 30, 2022

[*https://notalotofpeopleknowthat.wordpress.com/2022/03/30/has-renewable-energy-reduced-our-dependence-on-natural-gas/*](https://notalotofpeopleknowthat.wordpress.com/2022/03/30/has-renewable-energy-reduced-our-dependence-on-natural-gas/)\

Link to GB energy use and EU electricity prices: The Energy Current

By Staff, LCP Enact, Accessed April 1, 2022

[*https://enact.lcp.energy*](https://enact.lcp.energy)/

'In fact, in terms of electricity, the share of gas generation has risen from 29% to 44% between 2015 and 2019, suggesting that intermittent wind and solar power have increased the reliance on gas, rather than reducing it.'

'As for being 'better off', we need to take account of the cost of subsidies paid out over the years for renewables already.'

Boris Johnson warned Kwarteng's renewables drive would precipitate cost crisis and 'ruin lives'

Press Release, Net Zero Watch, Mar 30, 2022

Ross McKitrick: The 2030 emissions plan: Canada's gift to Putin

The sad reality is that the federal government does not care what its climate plans will cost people

By Ross McKitrick, Financial Post, Apr 1, 2022

[*https://financialpost.com/opinion/ross-mckitrick-the-2030-emissions-plan-canadas-gift-to-putin*](https://financialpost.com/opinion/ross-mckitrick-the-2030-emissions-plan-canadas-gift-to-putin)

Energy Issues - Australia

Victorian windfarm loses court case on noise, must turn off turbines at night!

By Jo Nova, Her Blog, Mar 27, 2022

Energy Issues — US

Only America can ensure global energy security

By Bernard Weinstein, The Hill, Mar 27, 2022

[SEPP Comment: It will take North America, not just the US.]

Waging War on American Energy

By John Horvat II, American Thinker, Mar 31, 2022

[*https://www.americanthinker.com/articles/2022/03/waging\_war\_on\_american\_energy\_.html*](https://www.americanthinker.com/articles/2022/03/waging_war_on_american_energy_.html)

Gas Executive's Attack On Coal Reveals Navet

By Gregory Wrightstone, Human Events, Mar 28, 2022

'Perhaps the most fundamental error of the likes of Messrs. Rice and Roberts is their failure to recognize that the most ardent of the climate cult care not a whit about carbon dioxide or the environment. They want control of energy markets and of the world's people who need them. And no amount of appeasement will change that.

'Such captains of labor and industry would do well to mind the words of German theologian Martin Niemöller, who recalled that, after coming for the socialists, unionists and Jews, the Nazis 'came for me — and there was no one left to speak for me.' They will be coming after you and your company in due time, Mr. Rice.'

[SEPP Comment: Proof that bureaucratic fools can be found in private companies as well as governments. Mr. Rice is CEO of EQT Corp, a $3 Billion (revenues 2020) natural gas company that is involved in exploration and pipeline transport, which is based in Pittsburgh. Its CEO should realize that natural gas companies are already being offered for sacrifice to the greens, as coal was. Try building a pipeline from Pennsylvania to New England, which desperately needs more natural gas from Pennsylvania.]

New York Climate Act: Cost Estimate Sleight of Hand

By Roger Caiazza, WUWT, Mar 26, 2022

'The Draft Scoping Plan was written to prove the desired conclusion that the benefits were greater than the costs. In order to make that case both benefits and cost estimates have been perverted. I have shown elsewhere that the benefits are uniformly exaggerated, and the largest benefit is dependent upon an incorrect application of the social cost of carbon.'

Natural Gas: Essential for American's Cleaner Energy Future

By The Editors, Real Clear Energy, March 25, 2022

[*https://www.realclearenergy.org/articles/2022/03/25/natural\_gas\_essential\_for\_americans\_cleaner\_energy\_future\_823839.html*](https://www.realclearenergy.org/articles/2022/03/25/natural_gas_essential_for_americans_cleaner_energy_future_823839.html)

Washington's Control of Energy

Shale Growth Constrained By Supply Chain Bottlenecks

By Tsvetana Paraskova, Oil Price.com, Mar 29, 2022

[*https://oilprice.com/Energy/Crude-Oil/Shale-Growth-Constrained-By-Supply-Chain-Bottlenecks.html*](https://oilprice.com/Energy/Crude-Oil/Shale-Growth-Constrained-By-Supply-Chain-Bottlenecks.html)

''Washington's immature 'finger-pointing' attitude of blaming the oil industry is sickening and tiring. I wish our administration would wake up and start doing some of the right things. We could use some leadership,' another E&P executive said.'

The Impending Climate 'Crisis' in the Gulf of Mexico and Other Biden Frack Ups

By David Middleton, WUWT, Mar 31, 2022

Saving America from planet-threatening fossil fuels

By Paul Driessen, Eurasia Review, Mar 28, 2022

'By sacrificing our economy, environment, living standards, freedoms and security

Presidential candidate Joe Biden repeatedly promised to end fossil fuels in America. There'll be 'no more drilling, including offshore,' he said. 'No ability for the oil industry to drill. No more pipelines.''

White House announces Defense Production Act will be invoked for EV battery materials

By Zack Budryk, The Hill, Mar 31, 2022

Oil and Natural Gas - the Future or the Past?

Saudi energy minister says oil alliance OPEC+ will leave politics out of output decisions

By Elliot Smith, CNBC, Mar 29, 2022

[*https://www.cnbc.com/2022/03/29/saudi-energy-minister-says-opec-will-leave-politics-out-of-oil-decisions.html*](https://www.cnbc.com/2022/03/29/saudi-energy-minister-says-opec-will-leave-politics-out-of-oil-decisions.html)

Oil Will Still Dominate The U.S. Energy Market In 2050

By Tsvetana Paraskova, Oil Price.com, Mar 24, 2022

[*https://oilprice.com/Energy/Energy-General/Oil-Will-Still-Dominate-The-US-Energy-Market-In-2050.html*](https://oilprice.com/Energy/Energy-General/Oil-Will-Still-Dominate-The-US-Energy-Market-In-2050.html)

Return of King Coal?

India's coal demand likely to touch 1.5 billion tonnes by 2030

By Staff, The Print, Mar 28, 2022

Alternative, Green ('Clean') Solar and Wind

Wind Power Down To 3% In Past Week

By Paul Homewood, Not a Lot of People Know That, Mar 29, 2022

'It is abundantly clear that we cannot rely on importing power from Europe in our Net Zero future, as they will be as badly off as us.'

36 Billion For Solar Panels (That Don't Work In Winter!)

By Paul Homewood, Not a Lot of People Know That, Mar 30, 2022

[SEPP Comment: But they can work in the deserts of the US Southwest, except during the winter rainy season.]

Wind Turbines Out West-Part 1

By Kevin Kilty, WUWT, Mar 30, 2022

Wind Projects Rejected in California and Ohio, NBC Reports 'At Least 40' Communities Have Rejected Big Solar Since 2021

By Robert Bryce, Real Clear Energy, March 30, 2022

[*https://www.realclearenergy.org/articles/2022/03/30/wind\_projects\_rejected\_in\_california\_and\_ohio\_nbc\_reports\_at\_least\_40\_communities\_have\_rejected\_big\_solar\_since\_2021\_824518.html*](https://www.realclearenergy.org/articles/2022/03/30/wind_projects_rejected_in_california_and_ohio_nbc_reports_at_least_40_communities_have_rejected_big_solar_since_2021_824518.html)

Alternative, Green ('Clean') Energy — Other

Environmentalists Shouldn't Be So Quick to Tank Blue Hydrogen

By Kelsey Grant, Real Clear Energy, March 30, 2022

[*https://www.realclearenergy.org/articles/2022/03/30/environmentalists\_shouldnt\_be\_so\_quick\_to\_tank\_blue\_hydrogen\_824338.html*](https://www.realclearenergy.org/articles/2022/03/30/environmentalists_shouldnt_be_so_quick_to_tank_blue_hydrogen_824338.html)

'One of those solutions was blue hydrogen — that's natural gas-derived hydrogen paired with carbon capture and sequestration (CCS) technology that keeps emissions from the production process out of our atmosphere.'

Green hydrogen is the means to an end, not an end in itself

The goal should be rapid movement down the cost curve in a competitive industry ..

By Ajay Shankar, Energy World.com, Mar 28, 2022

[*https://energy.economictimes.indiatimes.com/energy-speak/green-hydrogen-is-the-means-to-an-end-not-an-end-in-itself/5233;*](https://energy.economictimes.indiatimes.com/energy-speak/green-hydrogen-is-the-means-to-an-end-not-an-end-in-itself/5233;)

'Green hydrogen is the means to an end, not an end in itself.'

[SEPP Comment: At least he understands that hydrogen may be a form of energy storage, not a form of energy generation. The global warming disaster is fear mongering.]

Alternative, Green ('Clean') Vehicles

EV race ignores Russian, Chinese mineral speed traps

By Larry Bell, CFACT, Mar 18, 2022

[*https://www.cfact.org/2022/03/18/ev-race-ignores-russian-chinese-mineral-speed-traps/*](https://www.cfact.org/2022/03/18/ev-race-ignores-russian-chinese-mineral-speed-traps/)

The Lobbyist's War on Motorists

By Connor Tomlinson, Net Zero Watch, Mar 28, 2022

[SEPP Comment: Close lanes for bicycles! In California it is called a 'Road Diet.' Ask those who burnt in their vehicles as they tried to flee the Paradise Fire how well it works.]

Environmental Industry

Who Are The ECIU?

By Paul Homewood, Not a Lot of People Know That, Mar 27, 2022

'In short, money from billionaires in the US is funding a massive propaganda effort in Europe, designed to radically restructure our society regardless of the wishes of the public.

'I find it ironic that left wing organisations are now happy to collaborate with billionaires, who act against the wishes of the working classes they are supposed to represent.'

Other News that May Be of Interest

Thomas Sowell, Monument to Intelligent Insight

By John Dale Dunn, American Thinker, Mar 30, 2022

[*https://www.americanthinker.com/articles/2022/03/thomas\_sowell\_monument\_to\_intelligent\_insight.html*](https://www.americanthinker.com/articles/2022/03/thomas_sowell_monument_to_intelligent_insight.html)

Quantum complexity grows linearly for an exponentially long time

By Staff Writers, Berlin, Germany (SPX), Mar 29, 2022

[*https://www.spacedaily.com/reports/Quantum\_complexity\_grows\_linearly\_for\_an\_exponentially\_long\_time\_999.html*](https://www.spacedaily.com/reports/Quantum_complexity_grows_linearly_for_an_exponentially_long_time_999.html)

Link to paper: Linear growth of quantum circuit complexity

By Jonas Haferkamp. Nature Physics, Mar 28, 2022

[*https://www.nature.com/articles/s41567-022-01539-6*](https://www.nature.com/articles/s41567-022-01539-6)

[SEPP Comment: How about linearly with inverse exponentially, called by some as logarithmically?]

BELOW THE BOTTOM LINE

Longer, more intense allergy seasons could result from climate change

Pollen emissions could begin 40 days earlier in the spring

By century's end, spring pollen emissions could begin 40 days earlier.

Press Release, NSF, Mar 28, 2022

[*https://www.nsf.gov/discoveries/disc\_summ.jsp?WT.mc\_id=USNSF\_1&cntn\_id=304751&utm\_medium=email&utm\_source=govdelivery*](https://www.nsf.gov/discoveries/disc_summ.jsp?WT.mc_id=USNSF_1&cntn_id=304751&utm_medium=email&utm_source=govdelivery)

Link to paper: Longer, more intense allergy seasons could result from climate change

Rising temperatures, increased CO2 will drive trees, grasses, weeds to produce more pollen.

By: Jim Lynch, Michigan Engineering News, Mar 16, 2022

[SEPP Comment: NSF deplores the flourishing of nature?]

The sunburnt lands up north: Nanisivik, Baffin Island

By John Robson, Climate Discussion Nexus, Mar 30, 2022

Tellurian's Driftwood LNG Begins Construction

By Staff, Business Wire, Mar 28, 2022

[*https://www.businesswire.com/news/home/20220328005232/en/*](https://www.businesswire.com/news/home/20220328005232/en/)

'CAUTIONARY INFORMATION ABOUT FORWARD-LOOKING STATEMENTS

'This press release contains forward-looking statements within the meaning of U.S. federal securities laws. The words 'anticipate,' 'assume,' 'believe,' 'budget,' 'estimate,' 'expect,' 'forecast,' 'initial,' 'intend,' 'may,' 'plan,' 'potential,' 'project,' 'proposed,' 'should,' 'will,' 'would,' and similar expressions are intended to identify forward-looking statements. Forward-looking statements herein relate to, among other things, the capacity, timing, and other aspects of the Driftwood LNG project, financing and construction activities relating to Driftwood LNG and the timing of delivery of LNG from the Driftwood LNG project. These statements involve a number of known and unknown risks, which may cause actual results to differ materially from expectations expressed or implied in the forward-looking statements.'

[SEPP Comment: The statement drones on.]

WP: Ukraine War Helps with 'Communicating the Need for [Climate] Sacrifice'

By Eric Worrall, WUWT, Mar 28, 2022

ARTICLES

No Articles This Week

Article Rating

[ 1]: [*http://www.SEPP.org*](http://www.SEPP.org)/ [ 2]: [*http://sepp.org/science\_papers.cfm*](http://sepp.org/science_papers.cfm) [ 3]: [*https://www.heartland.org/\_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf*](https://www.heartland.org/_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf) [ 4]: [*http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts*](http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts)/ [ 5]: [*https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf*](https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf) [ 6]: [*http://store.heartland.org/shop/ccr-ii-fossil-fuels/*](http://store.heartland.org/shop/ccr-ii-fossil-fuels/) [ 7]: [*http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf*](http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf) [ 8]: [*http://climatechangereconsidered.org*](http://climatechangereconsidered.org)/ [ 9]: [*http://www.sepp.org/publications/nipcc\_final.pdf*](http://www.sepp.org/publications/nipcc_final.pdf) [ 10]: [*http://www.drroyspencer.com/2022/03/why-recent-warming-blamed-on-humans-is-largely-a-matter-of-faith/*](http://www.drroyspencer.com/2022/03/why-recent-warming-blamed-on-humans-is-largely-a-matter-of-faith/) [ 11]: [*http://gpvjma.ccs.hpcc.jp/~tanaka/web/papers/PAIJ-05-00236.pdf*](http://gpvjma.ccs.hpcc.jp/~tanaka/web/papers/PAIJ-05-00236.pdf)

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[***Can investors ever trust carbon data?***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655V-VPR1-JCMN-Y24R-00000-00&context=1516831)

Newstex Blogs

Investor Strategy News

April 8, 2022 Friday 5:11 AM EST

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**Length:** 1038 words

**Byline:** Ben McNeil

**Body**

Apr 08, 2022( Investor Strategy News: [*http://www.investorstrategynews.com*](http://www.investorstrategynews.com)/ Delivered by Newstex)

[*https://ioandc.com/author/ben-mcneil/*](https://ioandc.com/author/ben-mcneil/)

Net-zero pledges on carbon emissions are everywhere - but you can't manage what you can't measure.

We know that the vast majority of the ~37 billion tonnes of industrial carbon dioxide emitted annually comes from companies. But there's still an enormous data gap at the company level for investors to truly understand the losers and winners as the world transitions to net-zero.

For years, disclosing carbon emissions for companies has been voluntary. This week however, the US SEC is stepping in, following existing regulations in the United Kingdom. US regulators proposed making it mandatory to not only disclose carbon emissions, but also climate-related risk information and how it will impact business. That last part requires much more than just emissions - it requires translating emissions into financial impact and risk.

Despite these regulatory mandates, corporate carbon data will continue to be outdated, poor quality and not cover enough of the market. This leads to lack of trust that ultimately puts the brakes on investors' understanding of climate risk and opportunities.

Why is carbon data broken and can we fix it?

Coverage The vast majority of publicly listed companies (~80%) have never reported on carbon emissions, creating a large data gap in the carbon information market. The lack of reporting is particularly evident for small to mid-sized companies and in the developing world.

Timeliness Carbon data is typically more than 12-18 months old. Information must be timely for any market to function efficiently - and current carbon data fails to provide this to all market participants.

The Scope 3 problem Scope 3 emissions are indirect value chain emissions from business operations. There are 15 different categories to report. Employee and business travel tends to be well reported, but quantifying emissions from 'Use of Sold Products' is more difficult to calculate, so often goes unreported. Only a fraction of companies disclose Scope 3 emissions and of those that do, many are selective about the categories they report on.

Black-box models To overcome some of the problems listed above, carbon data vendors often predict emissions for Scope 3 as an example - but often the methods are secretive and opaque. It's extremely difficult to trust any model that lacks transparency.

Blackrock recently disclosed its carbon footprint for its entire global portfolio. The world's largest fund manager could only estimate its carbon emissions for 65% of its portfolio. The other 35% lacked the data quality and/or methodology to quantify it. This highlights the overall challenges existing today due to sub-optimal carbon data and or models.

Resolving the carbon data chasm Let's be honest, carbon data is always going to be uncertain, but so are markets. Investors understand uncertainties and spreads - so fixing the carbon data problem must rely on better models and a robust understanding of how uncertainties in the data predictions impact risk and opportunities across the market. That is how we have approached solving these carbon data challenges for investors at Emmi.

Building the best machine learning predictive models is important since that allows us to estimate and forecast carbon emissions using company financials alone. That allows more timely up-to-date estimates independent of when a company reports emissions.

Aggregating reported and predicted data allows greater understanding of uncertainties and outliers in this data-science framework. Our proprietary method has allowed us to generate timely and transparent Scope 1, 2 and 3 emission predictions and trust scores for over 40,000 publicly listed securities, covering the global market.

Most importantly, by integrating finance and carbon within a data science framework, we have for the first time, propagated carbon data uncertainties that allow investors a data-driven perspective on whether a company or portfolio is truly a carbon risk. That carbon risk is ultimately what the new US SEC mandate is seeking.

We are excited to build a first of a kind investment infrastructure at Emmi - based around better carbon data - to help investors quantitatively understand the risk and opportunities of their portfolios under climate scenarios, now and into the future.

Dr McNeil is a climate data scientist and co-founder at Emmi, a carbon finance investment platform. McNeil has published over fifty scientific articles and has been cited extensively in scientific literature. He has been a reviewer for the ***IPCC*** and co-led the Copenhagen Diagnosis in 2009, an in-depth climate change report collectively written by twenty-six climate scientists from eight countries.

The post Can investors ever trust carbon data?[1] appeared first on Investor Strategy News[2].

[ 1]: [*https://ioandc.com/can-investors-ever-trust-carbon-data*](https://ioandc.com/can-investors-ever-trust-carbon-data)/ [ 2]: [*https://ioandc.com*](https://ioandc.com)

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[***Energy transformation can strengthen democracy and help fight climate change***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655M-WF51-JCMN-Y2GC-00000-00&context=1516831)

Newstex Blogs

Skeptical Science

April 7, 2022 Thursday 8:12 AM EST

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**Body**

Apr 06, 2022( Skeptical Science: [*http://www.skepticalscience.com*](http://www.skepticalscience.com) Delivered by Newstex)

This is are-post from Yale Climate Connections by Gary Yohe[1]

It is impossible to forecast how the war in Ukraine is going to end: current events are fast-moving. Given the inhumanity of it all, it is important to consider the resulting uncertainty and implications for the entire world.

Uncertainty about the global ramifications of the war clearly has driven world prices of liquified natural gas (LNG)dramatically higher[2]over the past several months. These price increases have not hurt Russia: In fact, they have helped to finance its war effort. Rapidly climbing LNG and oil prices, however, have, hurt much of the rest of the world, as supplies of LNG have been gobbled up swiftly by the highest bidders with the largest appetites. Those most hurt by all this live in other developed and developing nations all around the world. And even in many European countries and the United States, those with limited means already are suffering.

So what can be done? Any first-year student of economics knows that increasing supplies from all non-Russian sources of energy could work over time, especially in concert with efforts to reduce demand. These are good ideas, of course, but the devil is in the details. There are at least two distinct options:

Option 1:Invest in opening untapped supplies of petroleum and natural gas, drill for more of both, operate existing distribution infrastructure at its fullest capacity, and build more as quickly as possible; or

Option 2:Two complementary parts, here: (a) invest in expanding diverse and decentralized non-fossil energy systems; and (b) invest in R&D on new technologies that can smooth the demand-side transition to using electricity, technologies such as electric vehicles.

The European Union recognizes that the choice is not binary. The EU's announced plan is designed to reduce dependence on Russian LNG as quickly as possible by expanding access to reserves from the United States. a component of option 1. Itseeks to do so[3]while making simultaneous longer-term investments in 'frontloading renewable energy and improving energy efficiency' (the very spirit of the dual supply and demand approach of Option 2).

Poland and Belgium already are expanding their LNG terminals, and Greece and Germany have each recently approved construction of three new terminals. Germany has committed to independence from Russian LNG by the middle of 2024. The U.S. has agreed to supply an additional 15 billion metric tons of LNG this year, and the EU will work to promote substitution to LNG to the tune of 50 billion metric tons per year - an effort that will require increased supplies from many places.

But what about the longer term? Details matter there, too. Should the developed world expand the status quo as described in parts of option 1, or should it accelerate its movement toward the environment-friendly structure of option 2? Future investment should favor the latter, and not simply because it would promote a less hazardous climate future. Given the events of the past several decades, it is important to note that doing so would strengthen democracy's place as a fundamental principle of modern government.

Mr. Putin has successfullyinvaded sovereign nations[4]whenever his hope of resurrecting the old Russian Empire has been threatened by independence movements within former Soviet satellite states. This time, however, he has encountered a country and population not easily subdued.Ukrainians are fiercely and effectively using weapons and training from the West to defend their way of life. Ukrainians have reminded the planet's population that democracy is worth fighting for - to the last breath, if necessary.

Putin's war has pushed world energy markets to inflection points. It has created a perhaps once in a generation opportunity to reorganize and transform global markets toward renewables and thereby reduce the world's dependence on fossil energy from countries with leadership antithetical to democracy (not just Russia). Investing aggressively in energy option 2 would reduce the political power of major fossil fuel exporting nations with authoritarian leaders.Why?Because rapid transition to Option 2 undermines the ability of autocrats to maintain their extraordinary market clench over supplies of scarce and essential commodities. Such a transition would undermine their access to money from the rest of the world - money they use to fund inhumane oppression at home and unlawful and immoral extracurricular aggression abroad.

Shrinking such gains derived from formidable market power would strengthen the hand of democracy - not by making democracy work better (it will always be messy), but by diminishing the use of fossil fuel energy to bankroll wars and hold energy-needy countries hostage. Constraining dictators' and autocrats' power over energy issues can help both to forward democratic principles and to help propel progress toward a cleaner and more healthy global environment.

Gary Yohe is the Huffington Foundation Professor of Economics and Environmental Studies, Emeritus, at Wesleyan University in Connecticut. He served as convening lead author for multiple chapters and the Synthesis Report for the ***IPCC*** from 1990 through 2014 and was vice-chair of the Third US National Climate Assessment.

[ 1]: [*https://yaleclimateconnections.org/2022/04/energy-transformation-can-strengthen-democracy-and-help-fight-climate-change/*](https://yaleclimateconnections.org/2022/04/energy-transformation-can-strengthen-democracy-and-help-fight-climate-change/) [ 2]: [*https://www.naturalgasintel.com/european-commission-rolls-out-plan-to-gain-independence-from-russian-fossil-fuels-by-2030*](https://www.naturalgasintel.com/european-commission-rolls-out-plan-to-gain-independence-from-russian-fossil-fuels-by-2030)/ [ 3]: [*https://www.csce.gov/sites/helsinkicommission.house.gov/files/Report%20-%20Russian%20Military%20Aggression%20-%20FINAL\_0.pdf*](https://www.csce.gov/sites/helsinkicommission.house.gov/files/Report%20-%20Russian%20Military%20Aggression%20-%20FINAL_0.pdf) [ 4]: [*https://www.csce.gov/sites/helsinkicommission.house.gov/files/Report%20-%20Russian%20Military%20Aggression%20-%20FINAL\_0.pdf*](https://www.csce.gov/sites/helsinkicommission.house.gov/files/Report%20-%20Russian%20Military%20Aggression%20-%20FINAL_0.pdf)

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[***At Hearing, Oversight Committee Urges Postal Service to Rapidly Electrify Delivery Fleet***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:655C-JTR1-F03R-N16V-00000-00&context=1516831)

Newstex Blogs

United States House Committee on Oversight and Government Reform

April 5, 2022 Tuesday 10:20 PM EST

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**Length:** 1191 words

**Byline:** 412

**Body**

Apr 05, 2022( United States House Committee on Oversight and Government Reform: [*https://oversight.house.gov*](https://oversight.house.gov) Delivered by Newstex)

Washington, D.C. (April 5, 2022)—Today, Rep. Carolyn B. Maloney, Chairwoman of the Committee on Oversight and Reform, held a hearing[1] to examine the benefits, opportunities, and challenges of electrifying the Postal Service fleet through the acquisition of the Next Generation Delivery Vehicle (NGDV).

'Electric vehicles are the vehicles of the future. To continue purchasing gas-guzzling vehicles is not only bad for the environment—it's bad for the Postal Service, and bad for its customers.' said Chairwoman Maloney in her opening statement[2].

The Committee heard testimony from Ms. Tammy L. Whitcomb[3], Inspector General of the United States Postal Service; Ms. Victoria K. Stephen[4], Executive Director of Next Generation Delivery Vehicle at the United States Postal Service; Ms. Jill M. Naamane[5], Acting Director of the Physical Infrastructure Team at the Government Accountability Office; and Mr. Joe Britton[6], Executive Director of the Zero Emission Transportation Association.

Witnesses raised concerns about flawed assumptions in the environmental and cost analyses that the Postal Service used to justify the purchase of gas-guzzling delivery trucks, and highlighted the potential cost savings from EVs.

Ms. Naamane testified that GAO's analysis 'raises questions regarding the way in which USPS's assumptions estimate the costs and benefits of the gas and electric NGDV.' GAO found that the Postal Service used outdated estimates of gas prices, miscalculated maintenance costs for EVs, and ignored the benefits of lower emissions.

In response to questioning from Chairwoman Maloney, Ms. Stephen committed to provide the Committee with the analysis that the Postal Service used to determine how many electric vehicles (EVs) to purchase.

In response to Rep. Kelly's question, Mr. Britton testified: 'The Postal Service is set to save $4.3 billion if they electrify; it is more expensive to drive an internal combustion engine vehicle than an electric vehicle. And their model relies on a 50% discount on gasoline for the next 18 years. It is then taking the cost of a charger and inflating it by a magnitude of 10, and tripling the number of chargers, and then they're assuming the range of these vehicles are half of what they can achieve.'

In closing[7], Chairwoman Maloney stated, 'I call on the Postal Service to listen to the concerns of the Inspector General, the EPA, GAO, and this entire Committee, and conduct a new environmental impact study and a new cost estimate for electric vehicles.'

Members and witnesses discussed how electrifying the Postal Service fleet is crucial to reducing carbon emissions, fighting climate change, and reducing our nation's dependence on fossil fuels.

Chairwoman Maloney in her opening: 'Just yesterday the United Nations issued a major scientific report[8] warning that without immediate action shifting from fossil fuels, we will not be able to keep global warming to acceptable levels. This Congress must help the world avert a climate disaster by moving from gas guzzlers to electric vehicles now.'

Rep. Raskin explained: 'Climate change is the civilizational emergency bearing down on us . . . . The climate benefits of electrifying the Postal fleet are significant. The Postal Service's 215,000 delivery vehicles burn about 200 million gallons of gasoline each year . . . . All together, the Postal Service's gas guzzling fleet emits billions of pounds of carbon dioxide equivalent greenhouse gases every year.'

Members and witnesses highlighted how the private sector is increasingly moving to EVs, which are more cost-effective in the long run due to lower maintenance and fuel costs.

Rep. Huffman stated: 'It would be really hard to cook up a model or a business case that favors lumbering, internal combustion vehicles that get an average of 8.6 miles per gallon over EVs, the same EVs that are going to be powering the fleets of FedEx, Amazon, UPS, and DHL. But that's exactly what the Postal Service did with this contract and this program, calling for vehicles that are built for obsolescence.'

In response to Rep. Kelly, Mr. Britton said: 'If we had a model that was based in reality and based in fact, it would be an easy answer and a no-brainer that is reflected in what their competitors are doing today . . . . Everybody is moving in this direction, not from an ESG sensibility but because it's good for business and good for their bottom line.'

The Postal Service agreed with Members that they should be working towards a transition to EVs and called on Congress to provide additional funding to expedite the transition.

In response to Rep. Raskin's question on whether the Postal Service's preference is to electrify 100% of its fleet if funding were made available, Ms. Stephen testified, 'if funding was made available to us, we'd absolutely adjust our plans.'

In response to Rep. Lynch asking about electric vehicles' superior performance and environmental benefits, Ms. Stephen said, 'Of course electric vehicles are better. 200%.'

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[ 1]: [*https://oversight.house.gov/legislation/hearings/it-s-electric-developing-the-postal-service-fleet-of-the-future*](https://oversight.house.gov/legislation/hearings/it-s-electric-developing-the-postal-service-fleet-of-the-future) [ 2]: [*https://oversight.house.gov/sites/democrats.oversight.house.gov/files/CBM%20Opening%20Stmt%20Letterhead\_2.pdf*](https://oversight.house.gov/sites/democrats.oversight.house.gov/files/CBM%20Opening%20Stmt%20Letterhead_2.pdf) [ 3]: [*https://oversight.house.gov/sites/democrats.oversight.house.gov/files/Whitcomb%20Testimony\_0.pdf*](https://oversight.house.gov/sites/democrats.oversight.house.gov/files/Whitcomb%20Testimony_0.pdf) [ 4]: [*https://oversight.house.gov/sites/democrats.oversight.house.gov/files/Stephen%20Testimony.pdf*](https://oversight.house.gov/sites/democrats.oversight.house.gov/files/Stephen%20Testimony.pdf) [ 5]: [*https://oversight.house.gov/sites/democrats.oversight.house.gov/files/Naamane%20Testimony.PDF*](https://oversight.house.gov/sites/democrats.oversight.house.gov/files/Naamane%20Testimony.PDF) [ 6]: [*https://oversight.house.gov/sites/democrats.oversight.house.gov/files/Britton%20Testimony.pdf*](https://oversight.house.gov/sites/democrats.oversight.house.gov/files/Britton%20Testimony.pdf) [ 7]: [*https://www.youtube.com/watch?v=sz4Olhw93ZY&feature=youtu.be*](https://www.youtube.com/watch?v=sz4Olhw93ZY&feature=youtu.be) [ 8]: [*https://www.****ipcc****.ch/report/ar6/wg3/*](https://www.ipcc.ch/report/ar6/wg3/)

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Apr 08, 2022( SourceWire: [*http://www.sourcewire.com*](http://www.sourcewire.com) Delivered by Newstex) ;

At the risk of sounding like a broken record, here we are again with a new energy strategy from the Government that does not factor in the role of tackling waste and investing in energy efficiency as part of solving the growing energy crisis.

The Government's latest plan, the British Energy Security Strategy, follows a timely report from the Intergovernmental Panel on Climate Change (***IPCC***), warning that we are in a 'now or never' position whereby increasing the use of fossil fuels would put any chance of limiting global warming to 1.5C above pre-industrial levels beyond reach. In real terms, world climate emissions need to peak in 2025 if we are to have any chance of not exceeding that limit.

Building on the Ten Point Plan for a Green Industrial Revolution, the British Energy Security Strategy promises to combat 'rising energy prices and volatility in international markets', by means of accelerating the adoption of energy from nuclear, wind, solar and hydrogen. The plan controversially also includes the production of domestic oil and gas from new licensing for North Sea drilling projects, expected to launch in the Autumn. All this, Business Secretary, Kwasi Kwarteng, admitted this morning is 'more of a medium three, four, five year answer'.

This plan has been produced on the premise of an immediate need to remedy an overreliance on imported forms of energy and has been hastily drawn up over the last month is to address just that; the growing need for energy security that will supposedly allow us to better manage the cost and delivery of fuel across the UK. However, the plan to harness production from domestic North Sea oil and gas reserves in the nearer term and to invest in new nuclear (the most expensive way to generate electricity) though, will not ease the burden of increasing energy costs for businesses or consumers alike.

For 25 years I have worked with organisations to help them lower their energy consumption, maximise their efficiency, and reduce their energy costs. The bottom line understandably has always been the greatest driver of energy efficiency projects for many organisations I have worked with, until now.

More recently though the ambition to reduce the use of fossil fuels and achieve net zero has taken precedent. For some organisations I have been working with they are so committed to the cause, that they are adopting renewable energy technologies and increasing their need to draw power from the grid, at great cost, to enable them to turn off gas boilers, without hesitation. However, this inevitably affects their bottom line.

In recent months we have hit a precipice, where the sharp rise in fuel costs and net zero have collided. This has caused some consumers to point the finger at green levies and net zero as the reason for the increase, damaging the belief in the need to take action on climate change. I do not doubt that the majority of us want and recognise, the need to tackle both. So what is the solution?

The simple fact is to meet both net zero and curtail rising costs we need to address growing energy demand.

Energy efficiency has never been considered as sexy as new technology-based solutions that the current Government seems to prefer. It does not have the same glamour, nor does it get the same press attention - but it is the answer to addressing the challenge in front of us. By identifying waste across both commercial and domestic use, and plugging those gaps, the collective savings would alleviate some of that resource pressure. As one commentator recently said, 'you don't turn on the taps when you have a leaky bath, you fix the leak first'.

In the commercial space, this can be achieved through implementing a carbon reduction strategy[1], which incorporates many aspects of traditional energy auditing, with a detailed inspection of operational consumption and emissions. Followed by an energy and carbon reduction plan, that will in turn ease budgets and work towards net zero. So it is possible to realise both.

This is where the Government's Energy Security Strategy in my opinion misses the mark. Energy efficiency should be part of the fabric of any energy policy. By not including investment in efficiency awareness and projects, the Government is not helping businesses and consumers to cut their bills now, and while that continues, I fear it is critically eroding the UK's ability to reach our legally binding net zero target that is so important.

ENDS

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About Timothy Holman, Head of Consultancy

Timothy is experienced in the practical implementation of energy management solutions. With 25 years' experience in energy management, metering, monitoring and targeting, he has been a key player at TEAM since joining in 1997. After graduating from the University of Salford with an MEng Mechanical Engineering, Tim went on to obtain an MSc in Energy Conservation and the Environment from Cranfield University. He is also a Chartered Energy Engineer and a Member of the Energy Institute.

Timothy is a council member of the Energy Services and Technology Association (ESTA) and Chair of their aM&T group. The ESTA aM&T Group provides dedicated support to members who provide a range of products and services targeted at measuring, acquiring, managing, processing and analysing energy data in the pursuance of energy efficiency.

He is responsible for leading the Energy Services department which comprises a team of in-house energy management consultants with a range of skills and knowledge to support customers through energy schemes and initiatives.

About TEAM

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[*www.teamenergy.com*](http://www.teamenergy.com)[3] - Christian Garrington 08-04-2022

[ 1]: [*https://www.teamenergy.com/team-energy-consultancy/net-zero-and-carbon-reduction-consultancy/*](https://www.teamenergy.com/team-energy-consultancy/net-zero-and-carbon-reduction-consultancy/) [ 2]: [*pscoins@teamenergy.com*](mailto:pscoins@teamenergy.com) [ 3]: [*http://www.teamenergy.com*](http://www.teamenergy.com)

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