Whereas, The Lancet Countdown on health and climate change has warned that “a rapidly changing climate has dire implications for every aspect of human life, exposing vulnerable populations to extremes of weather, altering patterns of infectious disease, and compromising food security, safe drinking water, and clean air” earning it the title of the “greatest public health challenge of the 21st century”; and

Whereas, Human activities since the Industrial Revolution resulting in burning fossil fuels like coal and oil have increased the concentration of atmospheric carbon dioxide levels higher than ever before since the evolution of homo sapiens; and

Whereas, At least 250,000 additional deaths are anticipated annually between 2030 and 2050 from heat exposure in the elderly, diarrhea, malaria, and childhood malnutrition alone, without factoring in the myriad of other ways that climate change acts as a health risk multiplier; and

Whereas, Despite the landmark Paris Agreement in 2016, when countries committed to limit global warming to “well below 2°C,” global carbon dioxide (CO2) emissions continue to rise steadily, with no convincing or sustained abatement; and

Whereas, Humans have already caused a rise in the global average temperature of 1.2°C and our changing climate is already producing considerable shifts in the underlying social and environmental determinants of health at the global level; and

Whereas, People and communities are differentially exposed to hazards and disproportionately affected by climate-related health risks; for example, some populations might experience increased climate risks due to a combination of exposure and sensitivity, such as outdoor workers, communities disproportionately burdened by poor environmental quality, and some communities in the rural Southeastern United States; and

Whereas, Across all climate risks, children, older adults, low-income communities, some communities of color, and those experiencing discrimination are disproportionately affected by extreme weather and climate events, partially because they are often excluded in planning processes; and

Whereas, According to the latest available science, in order to limit warming to 1.5°C and achieve the Paris Agreement goals would require global greenhouse gas (GHG) emissions to have peaked by 2020 and be reduced to zero by around 2050; thus we have a vanishing window of opportunity for meaningful action; and
Whereas, Many climate change mitigation interventions have immediate local air quality benefits, among others, and thus immediate health co-benefits; and

Whereas, Cutting GHG emissions "may appear to be difficult and costly, but its near-term benefits outweigh its costs in many areas; and

Whereas, It is estimated that worldwide 10.2 million premature deaths annually are attributable to the fossil-fuel component of PM2.5, constituting nearly 18% of premature deaths; and

Whereas, Worldwide, tobacco use causes more than seven million deaths per year; and

Whereas, Our AMA has extensive policy to organize physician leadership vis a vis tobacco's public health harms; and

Whereas, The Tobacco Industry and Fossil Fuel Industry business models are similar in that their products are incongruous with the interests of public health and their profit interests motivate well-funded misinformation campaigns; and

Whereas, "The strategy, tactics, infrastructure, and rhetorical arguments and techniques used by fossil fuel interests to challenge the scientific evidence of climate change—including cherry picking, fake experts, and conspiracy theories—come straight out of the Tobacco Industry's playbook for delaying tobacco control;" and

Whereas, Physicians are uniquely trusted messengers, with a unique responsibility to advocate politically for policies to safeguard health in the face of any public health crisis, whether the COVID-19 pandemic or the climate crisis, in order to build social will for science-based policy action; and

Whereas, Our AMA has adopted multiple policies addressing climate change (H-135.919, H-135.938, H-135.977, H-135.923, D-135.968, D-135.969, H-135.973), but these policies fall short of coordinating strategic physician advocacy leadership on the scale necessary for such a health crisis; and

Whereas, In the face of the existential threat that the climate crisis poses, the aforementioned policies have not been leveraged to fulfill our AMA’s Declaration of Professional Responsibility (H-140.900) which states, “We, the members of the world community of physicians, solemnly commit ourselves to ‘Medicine’s Social Contract with Humanity’ in order to continue to earn society’s trust in the healing profession, by, among other oaths, promising that we will ‘Educate the public and polity about present and future threats to the health of humanity’; and

Whereas, Our AMA has no identified longitudinal body or Center for coordinating and centralizing the Association’s efforts to address climate change which the WHO calls "...the greatest threat to global health in the 21st century;" and

Whereas, Our AMA Corporate Policies on Tobacco H-500.975: resolved that (1) Our AMA: (a) continues to urge the federal government to reduce and control the use of tobacco and tobacco products; (b) supports developing an appropriate body for coordinating and centralizing the Association’s efforts toward a tobacco-free society; and (c) will defend vigorously all attacks by the tobacco industry on the scientific integrity of AMA publications; therefore be it
RESOLVED, That our American Medical Association reaffirm Policy H-135.949, “Support of Clean Air and Reduction in Power Plant Emissions,” (Reaffirm HOD Policy); and be it further
RESOLVED, That our AMA establish a climate crisis campaign that will distribute evidence-based information on the relationship between climate change and human health, determine high-yield advocacy and leadership opportunities for physicians, and centralize our AMA’s efforts towards environmental justice and an equitable transition to a net-zero carbon society by 2050. (Directive to Take Action)

Fiscal Note: Estimated cost to implement this resolution is $2M.

Received: 04/04/22

References:
3. https://climate.nasa.gov/causes/
5. https://www.who.int/health-topics/climate-change#tab=tab_1
17. https://policysearch.ama-assn.org/policyfinder/search/tobacco/relevant/1/
RELEVANT AMA POLICY

Support of Clean Air and Reduction in Power Plant Emissions H-135.949
Our AMA supports (1) federal legislation and regulations that meaningfully reduce the following four major power plant emissions: mercury, carbon dioxide, sulfur dioxide and nitrogen oxide; and (2) efforts to limit carbon dioxide emissions through the reduction of the burning of coal in the nation's power generating plants, efforts to improve the efficiency of power plants and continued development, promotion, and widespread implementation of alternative renewable energy sources in lieu of carbon-based fossil fuels.
Citation: Res. 429, A-03; Reaffirmation I-07; Reaffirmed in lieu of Res. 526, A-12; Reaffirmed: Res. 421, A-14; Modified: Res. 506, A-15; Modified: Res. 908, I-17

Climate Change Education Across the Medical Education Continuum H-135.919
Our AMA: (1) supports teaching on climate change in undergraduate, graduate, and continuing medical education such that trainees and practicing physicians acquire a basic knowledge of the science of climate change, can describe the risks that climate change poses to human health, and counsel patients on how to protect themselves from the health risks posed by climate change; (2) will make available a prototype presentation and lecture notes on the intersection of climate change and health for use in undergraduate, graduate, and continuing medical education; and (3) will communicate this policy to the appropriate accrediting organizations such as the Commission on Osteopathic College Accreditation and the Liaison Committee on Medical Education.
Citation: Res. 302, A-19

Global Climate Change and Human Health H-135.938
Our AMA:
1. Supports the findings of the Intergovernmental Panel on Climate Change's fourth assessment report and concurs with the scientific consensus that the Earth is undergoing adverse global climate change and that anthropogenic contributions are significant. These climate changes will create conditions that affect public health, with disproportionate impacts on vulnerable populations, including children, the elderly, and the poor.
2. Supports educating the medical community on the potential adverse public health effects of global climate change and incorporating the health implications of climate change into the spectrum of medical education, including topics such as population displacement, heat waves and drought, flooding, infectious and vector-borne diseases, and potable water supplies.
3. (a) Recognizes the importance of physician involvement in policymaking at the state, national, and global level and supports efforts to search for novel, comprehensive, and economically sensitive approaches to mitigating climate change to protect the health of the public; and (b) recognizes that whatever the etiology of global climate change, policymakers should work to reduce human contributions to such changes.
4. Encourages physicians to assist in educating patients and the public on environmentally sustainable practices, and to serve as role models for promoting environmental sustainability.
5. Encourages physicians to work with local and state health departments to strengthen the public health infrastructure to ensure that the global health effects of climate change can be anticipated and responded to more efficiently, and that the AMA's Center for Public Health Preparedness and Disaster Response assist in this effort.
Citation: CSAPH Rep. 3, I-08; Reaffirmation A-14; Reaffirmed: CSAPH Rep. 04, A-19; Reaffirmation: I-19
Global Climate Change – The “Greenhouse Effect” H-135.977
Our AMA: (1) endorses the need for additional research on atmospheric monitoring and climate simulation models as a means of reducing some of the present uncertainties in climate forecasting; (2) urges Congress to adopt a comprehensive, integrated natural resource and energy utilization policy that will promote more efficient fuel use and energy production; (3) endorses increased recognition of the importance of nuclear energy's role in the production of electricity; (4) encourages research and development programs for improving the utilization efficiency and reducing the pollution of fossil fuels; and (5) encourages humanitarian measures to limit the burgeoning increase in world population.
Citation: CSA Rep. E, A-89; Reaffirmed: Sunset Report, A-00; Reaffirmed: CSAPH Rep. 1, A-10; Reaffirmation A-12; Reaffirmed in lieu of Res. 408, A-14

AMA Advocacy for Environmental Sustainability and Climate H-135.923
Our AMA (1) supports initiatives to promote environmental sustainability and other efforts to halt global climate change; (2) will incorporate principles of environmental sustainability within its business operations; and (3) supports physicians in adopting programs for environmental sustainability in their practices and help physicians to share these concepts with their patients and with their communities.
Citation: Res. 924, I-16; Reaffirmation: I-19

Implementing AMA Climate Change Principles Through JAMA Paper Consumption Reduction and Green Health Care Leadership D-135.968
Our AMA will continue to explore environmentally sustainable practices for JAMA distribution.
Citation: BOT Rep. 8, I-19

AMA to Protect Human Health from the Effects of Climate Change by Ending its Investments in Fossil Fuel Companies D-135.969
Our AMA, AMA Foundation, and any affiliated corporations will work in a timely, incremental, and fiscally responsible manner, to the extent allowed by their legal and fiduciary duties, to end all financial investments or relationships (divestment) with companies that generate the majority of their income from the exploration for, production of, transportation of, or sale of fossil fuels.
Citation: BOT Rep. 34, A-18

Stewardship of the Environment H-135.973
The AMA: (1) encourages physicians to be spokespersons for environmental stewardship, including the discussion of these issues when appropriate with patients; (2) encourages the medical community to cooperate in reducing or recycling waste; (3) encourages physicians and the rest of the medical community to dispose of its medical waste in a safe and properly prescribed manner; (4) supports enhancing the role of physicians and other scientists in environmental education; (5) endorses legislation such as the National Environmental Education Act to increase public understanding of environmental degradation and its prevention; (6) encourages research efforts at ascertaining the physiological and psychological effects of abrupt as well as chronic environmental changes; (7) encourages international exchange of information relating to environmental degradation and the adverse human health effects resulting from environmental degradation; (8) encourages and helps support physicians who participate actively in international planning and development conventions associated with improving the environment; (9) encourages educational programs for worldwide family planning and control of population growth; (10) encourages research and development programs for safer, more effective, and less expensive means of preventing unwanted pregnancy; (11) encourages programs to prevent or reduce the human and environmental health impact from
global climate change and environmental degradation. (12) encourages economic development programs for all nations that will be sustainable and yet nondestructive to the environment; (13) encourages physicians and environmental scientists in the United States to continue to incorporate concerns for human health into current environmental research and public policy initiatives; (14) encourages physician educators in medical schools, residency programs, and continuing medical education sessions to devote more attention to environmental health issues; (15) will strengthen its liaison with appropriate environmental health agencies, including the National Institute of Environmental Health Sciences (NIEHS); (16) encourages expanded funding for environmental research by the federal government; and (17) encourages family planning through national and international support.