

Download Ebook Soil Not Oil Environmental Justice In An Age Of Climate Crisis Vandana Shiva Read Pdf Free

Soil Not Oil Soil, Not Oil Soil, Not Oil Oil Politics Negative Ecologies Slow Violence and the Environmentalism of the Poor No Standard Oil How to Avoid a Climate Disaster Fossil Future Environmental Justice and Oil Pollution Laws Oil Injustice Green Petroleum Fracking and the Environment Environmental Impact of the Offshore Oil and Gas Industry Oil Is Not a Curse The Right to Nature Staying Alive Oil in the Sea III Waste Staying Alive Oil Spill Environmental Forensics Earth Democracy Apocalypse Never (resumo) Cumulative Environmental Effects of Oil and Gas Activities on Alaska's North Slope The Future Is Not What It Used to Be Environmental Protection Ending the Fossil Fuel Era Defending the Arctic Refuge The Moral Case for Fossil Fuels Environmental and Health Issues in Unconventional Oil and Gas Development Who Really Feeds the World? Climate Change from the Streets The New Climate War A Thousand Ways Denied Environmental Technology in the Oil Industry Indigenous Environmental Justice Water Wars Environmental Control in Petroleum Engineering Just Sustainabilities Drilling Down

How to Avoid a Climate Disaster Oct 27 2023 #1 NEW YORK TIMES BEST SELLER • In this urgent, authoritative book, Bill Gates sets out a wide-ranging, practical—and accessible—plan for how the world can get to zero greenhouse gas emissions in time to avoid a climate catastrophe. Bill Gates has spent a decade investigating the causes and effects of climate change. With the help of experts in the fields of physics, chemistry, biology, engineering, political science, and finance, he has focused on what must be done in order to stop the planet's slide to certain environmental disaster. In this book, he not only explains why we need to work toward net-zero emissions of greenhouse gases, but also details what we need to do to achieve this profoundly important goal. He gives us a clear-eyed description of the challenges we face. Drawing on his understanding of innovation and what it takes to get new ideas into the market, he describes the areas in which technology is already helping to reduce emissions, where and how the current technology can be made to function more effectively, where breakthrough technologies are needed, and who is working on these essential innovations. Finally, he lays out a concrete, practical plan for achieving the goal of zero emissions—suggesting not only policies that governments should adopt, but what we as individuals can do to keep our government, our employers, and ourselves accountable in this crucial enterprise. As Bill Gates makes clear, achieving zero emissions will not be simple or easy to do, but if we follow the plan he sets out here, it is a goal firmly within our reach.

Oil Is Not a Curse Mar 20 2023 This book makes two central claims: first, that mineral-rich states are cursed not by their wealth but, rather, by the ownership structure they choose to manage their mineral wealth and second, that weak institutions are not inevitable in mineral-rich states. Each represents a significant departure from the conventional resource curse literature, which has treated ownership structure as a constant across time and space and has presumed that mineral-rich countries are incapable of either building or sustaining strong institutions - particularly fiscal regimes. The experience of the five petroleum-rich Soviet successor states (Azerbaijan, Kazakhstan, the Russian Federation, Turkmenistan, and Uzbekistan) provides a clear challenge to both of these assumptions. Their respective developmental trajectories since independence demonstrate not only that ownership structure can vary even across countries that share the same institutional legacy but also that this variation helps to explain the divergence in their subsequent fiscal regimes.

The New Climate War Sep 01 2021 Shortlisted for the FT/McKinsey Business Book of the Year award A renowned climate scientist shows how fossil fuel companies have waged a thirty-year campaign to deflect blame and responsibility and delay action on climate change, and offers a battle plan for how we can save the planet. Recycle. Fly less. Eat less meat. These are some of the ways that we've been told can slow climate change. But the inordinate emphasis on individual behavior is the result of a marketing campaign that has succeeded in placing the responsibility for fixing climate change squarely on the shoulders of individuals. Fossil fuel companies have followed the example of other industries deflecting blame (think "guns don't kill people, people kill people") or greenwashing (think of the beverage industry's "Crying Indian" commercials of the 1970s). Meanwhile, they've blocked efforts to regulate or price carbon emissions, run PR campaigns aimed at discrediting viable alternatives, and have abdicated their responsibility in fixing the problem they've created. The result has been disastrous for our planet. In *The New Climate War*, Mann argues that all is not lost. He draws the battle lines between the people and the polluters-fossil fuel companies, right-wing plutocrats, and petrostates. And he outlines a plan for forcing our governments and corporations to wake up and make real change, including: A common-sense, attainable approach to carbon pricing- and a revision of the well-intentioned but flawed currently proposed version of the Green New Deal; Allowing renewable energy to compete fairly against fossil fuels Debunking the false narratives and arguments that have worked their way into the climate debate and driven a wedge between even those who support climate change solutions Combatting climate doomism and despair-mongering With immensely powerful vested interests aligned in defense of the fossil fuel status quo, the societal tipping point won't happen without the active participation of citizens everywhere aiding in the collective push forward. This book will reach, inform, and enable citizens everywhere to join this battle for our planet.

Defending the Arctic Refuge Feb 04 2022 Tucked away in the northeastern corner of Alaska is one of the most contested landscapes in all of North America: the Arctic National Wildlife Refuge. Considered sacred by Indigenous peoples in Alaska and Canada and treasured by environmentalists, the refuge provides life-sustaining habitat for caribou, polar bears, migratory birds, and other species. For decades, though, the fossil fuel industry and powerful politicians have sought to turn this unique ecosystem into an oil field. *Defending the Arctic Refuge* tells the improbable story of how the people fought back. At the center of the story is the unlikely figure of Lenny Kohm (1939–2014), a former jazz drummer and aspiring photographer who passionately committed himself to Arctic Refuge activism. With the aid of a trusty slide show, Kohm and representatives of the Gwich'in Nation traveled across the United States to mobilize grassroots opposition to oil drilling. From Indigenous villages north of the Arctic Circle to Capitol Hill and many places in between, this book shows how Kohm and Gwich'in leaders and environmental activists

helped build a political movement that transformed the debate into a struggle for environmental justice. In its final weeks, the Trump administration fulfilled a long-sought dream of drilling proponents: leasing much of the Arctic Refuge coastal plain for fossil fuel development. Yet the fight to protect this place is certainly not over. Defending the Arctic Refuge traces the history of a movement that is alive today—and that will continue to galvanize diverse groups to safeguard this threatened land.

Drilling Down Jan 23 2021 For more than a century, oil has been the engine of growth for a society that delivers an unprecedented standard of living to many. We now take for granted that economic growth is good, necessary, and even inevitable, but also feel a sense of unease about the simultaneous growth of complexity in the processes and institutions that generate and manage that growth. As societies grow more complex through the bounty of cheap energy, they also confront problems that seem to increase in number and severity. In this era of fossil fuels, cheap energy and increasing complexity have been in a mutually-reinforcing spiral. The more energy we have and the more problems our societies confront, the more we grow complex and require still more energy. How did our demand for energy, our technological prowess, the resulting need for complex problem solving, and the end of easy oil conspire to make the Deepwater Horizon oil spill increasingly likely, if not inevitable? This book explains the real causal factors leading up to the worst environmental catastrophe in U.S. history, a disaster from which it will take decades to recover.

Water Wars Apr 28 2021 Acclaimed author and award-winning scientist and activist Vandana Shiva lucidly details the severity of the global water shortage, calling the water crisis “the most pervasive, most severe, and most invisible dimension of the ecological devastation of the earth.” She sheds light on the activists who are fighting corporate maneuvers to convert the life-sustaining resource of water into more gold for the elites and uses her knowledge of science and society to outline the emergence of corporate culture and the historical erosion of communal water rights. Using the international water trade and industrial activities such as damming, mining, and aquafarming as her lens, Shiva exposes the destruction of the earth and the disenfranchisement of the world's poor as they are stripped of rights to a precious common good. Revealing how many of the most important conflicts of our time, most often camouflaged as ethnic wars or religious wars, are in fact conflicts over scarce but vital natural resources, she calls for a movement to preserve water access for all and offers a blueprint for global resistance based on examples of successful campaigns. Featuring a new introduction by the author, this edition of *Water Wars* celebrates the spiritual and traditional role water has played in communities throughout history and warns that water privatization threatens cultures and livelihoods worldwide.

No Standard Oil Nov 27 2023 In *No Standard Oil*, environmental policy expert Deborah Gordon examines the widely varying climate impacts of global oils and gases, and proposes solutions to cut greenhouse gas emissions in this sector while making sustainable progress in transitioning to a carbon-free energy future. The next decade will be decisive in the fight against climate change. It will be impossible to hold the planet to a 1.5o C temperature rise without controlling methane and CO2 emissions from the oil and gas sector. Contrary to popular belief, the world will not run out of these resources anytime soon. Consumers will continue to demand these abundant resources to fuel their cars, heat their homes, and produce everyday goods like shampoo, pajamas, and paint. But it is becoming more environmentally damaging to supply energy using technologies like fracking oil and liquefying gas. Policymakers, financial investors, environmental advocates, and citizens need to understand what oil and gas are doing to our climate to inform decision-making. In *No Standard Oil*, Deborah Gordon shows that no two oils or gases are environmentally alike. Each has a distinct, quantifiable climate impact. While all oils and gases pollute, some are much worse for the climate than others. In clear, accessible language, Gordon explains the results of the Oil Climate Index Plus Gas (OCI+), an innovative, open source model that estimates global oil and gas emissions. Gordon identifies the oils and gases from every region of the globe—along with the specific production, processing, and refining activities—that are the most harmful to the planet, and proposes innovative solutions to reduce their climate footprints. Global climate stabilization cannot afford to wait for oil and gas to run out. *No Standard Oil* shows how we can take immediate, practical steps to cut greenhouse gas emissions in the crucial oil and gas sector while making sustainable progress in transitioning to a carbon-free energy future.

Climate Change from the Streets Oct 03 2021 An urgent and timely story of the contentious politics of incorporating environmental justice into global climate change policy Although the science of climate change is clear, policy decisions about how to respond to its effects remain contentious. Even when such decisions claim to be guided by objective knowledge, they are made and implemented through political institutions and relationships—and all the competing interests and power struggles that this implies. Michael Méndez tells a timely story of people, place, and power in the context of climate change and inequality. He explores the perspectives and influence low-income people of color bring to their advocacy work on climate change. In California, activist groups have galvanized behind issues such as air pollution, poverty alleviation, and green jobs to advance equitable climate solutions at the local, state, and global levels. Arguing that environmental protection and improving public health are inextricably linked, Mendez contends that we must incorporate local knowledge, culture, and history into policymaking to fully address the global complexities of climate change and the real threats facing our local communities.

Soil, Not Oil Apr 01 2024

Indigenous Environmental Justice May 29 2021 "With connections to traditional homelands being at the heart of Native identity, environmental justice is of heightened importance to Indigenous communities. Not only do irresponsible and exploitative environmental policies harm the physical and financial health of Indigenous communities, they also cause spiritual harm by destroying the land and wildlife that are held in a place of exceptional reverence for Indigenous peoples. Combining elements of legal issues, human rights issues, and sovereignty issues, *Indigenous Environmental Justice* creates a clear example of community resilience in the face of corporate greed"--

Just Sustainabilities Feb 24 2021 Environmental activists and academics alike are realizing that a sustainable society must be a just one. Environmental degradation is almost always linked to questions of human equality and quality of life. Throughout the world, those segments of the population that have the least political power and are the most marginalized are selectively victimized by environmental crises. This book argues that social and environmental justice within and between nations should be an integral part of the policies and agreements that promote sustainable development. The book addresses the links between environmental quality and human equality and between sustainability and environmental justice.

Fossil Future Sep 25 2023 The New York Times bestselling author of *The Moral Case for Fossil Fuels* draws on the latest data and new insights to challenge everything you thought you knew about the future of energy For over a decade, philosopher and

energy expert Alex Epstein has predicted that any negative impacts of fossil fuel use on our climate will be outweighed by the unique benefits of fossil fuels to human flourishing—including their unrivaled ability to provide low-cost, reliable energy to billions of people around the world, especially the world's poorest people. And contrary to what we hear from media "experts" about today's "renewable revolution" and "climate emergency," reality has proven Epstein right: Fact: Fossil fuels are still the dominant source of energy around the world, and growing fast—while much-hyped renewables are causing skyrocketing electricity prices and increased blackouts. Fact: Fossil-fueled development has brought global poverty to an all-time low. Fact: While fossil fuels have contributed to the 1 degree of warming in the last 170 years, climate-related deaths are at all-time lows thanks to fossil-fueled development. What does the future hold? In *Fossil Future*, Epstein, applying his distinctive "human flourishing framework" to the latest evidence, comes to the shocking conclusion that the benefits of fossil fuels will continue to far outweigh their side effects—including climate impacts—for generations to come. The path to global human flourishing, Epstein argues, is a combination of using more fossil fuels, getting better at "climate mastery," and establishing "energy freedom" policies that allow nuclear and other truly promising alternatives to reach their full long-term potential. Today's pervasive claims of imminent climate catastrophe and imminent renewable energy dominance, Epstein shows, are based on what he calls the "anti-impact framework"—a set of faulty methods, false assumptions, and anti-human values that have caused the media's designated experts to make wildly wrong predictions about fossil fuels, climate, and renewables for the last fifty years. Deeply researched and wide-ranging, this book will cause you to rethink everything you thought you knew about the future of our energy use, our environment, and our climate.

Earth Democracy Aug 13 2022 World-renowned environmental activist and physicist Vandana Shiva calls for a radical shift in the values that govern democracies, condemning the role that unrestricted capitalism has played in the destruction of environments and livelihoods. She explores the issues she helped bring to international attention—genetic food engineering, culture theft, and natural resource privatization—uncovering their links to the rising tide of fundamentalism, violence against women, and planetary death. Struggles on the streets of Seattle and Cancun and in homes and farms across the world have yielded a set of principles based on inclusion, nonviolence, reclaiming the commons, and freely sharing the earth's resources. These ideals, which Dr. Shiva calls "Earth Democracy," serve as an urgent call to peace and as the basis for a just and sustainable future.

Staying Alive Oct 15 2022 Inspired by women's struggles for the protection of nature as a condition for human survival, award-winning environmentalist Vandana Shiva shows how ecological destruction and the marginalization of women are not inevitable, economically or scientifically. She argues that "maldevelopment"—the violation of the integrity of organic, interconnected, and interdependent systems that sets in motion a process of exploitation, inequality, and injustice—is dragging the world down a path of self-destruction, threatening survival itself. Shiva articulates how rural Indian women experience and perceive ecological destruction and its causes, and how they have conceived and initiated processes to arrest the destruction of nature and begin its regeneration. Focusing on science and development as patriarchal projects, *Staying Alive* is a powerfully relevant book that positions women not solely as survivors of the crisis, but as the source of crucial insights and visions to guide our struggle.

Soil, Not Oil May 02 2024 'One of the world's most prominent radical scientists.' The Guardian This book is classic of the environmental movement. In it, Vandana Shiva envisions a world beyond our current dependence on fossil fuels and globalization, and makes the compelling case that food crises, oil dependency and climate change are all inherently interlinked. Any attempt to solve one without addressing the others is therefore doomed to failure. Condemning industrial agriculture and biofuels as recipes for ecological and economic disaster, Shiva instead champions small independent farmers. What is needed most, in a time of hunger and changing climates, are sustainable, biologically diverse farms that are better able to resist disease, drought and flooding. Calling for a return to local economies and small-scale agriculture, Shiva argues that humanity's choice is a stark one: we can either continue to pursue a market-centred approach, which will ultimately make our planet unliveable, or we can instead strive for a people-centred, oil-free future, one which offers a decent living for all. This edition features a new introduction by the author, in which she outlines recent developments in ecology and environmentalism, and offers new prescriptions for the environmental movement.

Environmental Justice and Oil Pollution Laws Aug 25 2023 "This book explores the relationship between oil pollution laws and environmental justice by comparing and contrasting the United States and Nigeria. Critically, this book not only examines the fluidity of oil pollution laws, but also how effective or ineffective enforcement can be viewed through the lens of environmental justice. Using Nigeria as a case study and drawing on examples from the United States, it examines the legal and institutional challenges impacting on the effective enforcement of laws and provides a contrasting view of developed and developing countries. Focussing on the oil and gas industry, the book discusses the laws and international acceptable standards (IAS) in these industries, the principles behind their application, the existing barriers to their effective implementation and how to overcome those barriers. Utilising an environmental justice framework, the book demonstrates the synergy between policy-making, human rights, and justice in oil producing regions as well as addressing the importance of protecting the rights of minorities. Through a comparative analysis of the United States and Nigeria, this book draws out enforcement approaches and mechanisms for tackling oil-related pollution with a view to reducing environmental injustice in developing countries. Examining role of the NGOs in pursuing environmental justice matters, the book showed the regional courts as one avenue of overcoming the enforcement challenges faced by the developing countries. This book will be of great interest to students and scholars of environmental law, environmental justice, minorities rights, business and human rights, energy law, and natural resource governance"--

Staying Alive Jan 18 2023 Inspired by women's struggles for the protection of nature as a condition for human survival, award-winning environmentalist Vandana Shiva shows how ecological destruction and the marginalization of women are not inevitable, economically or scientifically. She argues that "maldevelopment"—the violation of the integrity of organic, interconnected, and interdependent systems that sets in motion a process of exploitation, inequality, and injustice—is dragging the world down a path of self-destruction, threatening survival itself. Shiva articulates how rural Indian women experience and perceive ecological destruction and its causes, and how they have conceived and initiated processes to arrest the destruction of nature and begin its regeneration. Focusing on science and development as patriarchal projects, *Staying Alive* is a powerfully relevant book that positions women not solely as survivors of the crisis, but as the source of crucial insights and visions to guide our struggle. From the Trade Paperback edition.

The Right to Nature Feb 16 2023 Since the 2008 financial crash the expansion of neoliberalism has had an enormous impact on nature-society relations around the world. In response, various environmental movements have emerged opposing the neoliberal restructuring of environmental policies using arguments that often bridge traditional divisions between the environmental and labour agendas. The Right to Nature explores the differing experiences of a number of environmental-social movements and struggles from the point of view of both activists and academics. This collection attempts to both document the social-ecological impacts of neoliberal attempts to exploit non-human nature in the post-crisis context and to analyse the opposition of emerging environmental movements and their demands for a radically different production of nature based on social needs and environmental justice. It also provides a necessary space for the exchange of ideas and experiences between academics and activists and aims to motivate further academic-activist collaborations around alternative and counter-hegemonic re-thinking of environmental politics. This book will be of great interest to students, scholars and activists interested in environmental policy, environmental justice, social and environmental movements.

Waste Nov 15 2022 The MacArthur grant-winning environmental justice activist's riveting memoir of a life fighting for a cleaner future for America's most vulnerable A Smithsonian Magazine Top Ten Best Science Book of 2020 Catherine Coleman Flowers, a 2020 MacArthur "genius," grew up in Lowndes County, Alabama, a place that's been called "Bloody Lowndes" because of its violent, racist history. Once the epicenter of the voting rights struggle, today it's Ground Zero for a new movement that is also Flowers's life's work—a fight to ensure human dignity through a right most Americans take for granted: basic sanitation. Too many people, especially the rural poor, lack an affordable means of disposing cleanly of the waste from their toilets and, as a consequence, live amid filth. Flowers calls this America's dirty secret. In this "powerful and moving book" (Booklist), she tells the story of systemic class, racial, and geographic prejudice that foster Third World conditions not just in Alabama, but across America, in Appalachia, Central California, coastal Florida, Alaska, the urban Midwest, and on Native American reservations in the West. In this inspiring story of the evolution of an activist, from country girl to student civil rights organizer to environmental justice champion at Bryan Stevenson's Equal Justice Initiative, Flowers shows how sanitation is becoming too big a problem to ignore as climate change brings sewage to more backyards—not only those of poor minorities.

Environmental Impact of the Offshore Oil and Gas Industry Apr 20 2023 This book provides more comprehensive materials and discussion on environmental impact of the offshore oil and gas industry than any other single source currently available. Specifically, multi-disciplinary perspectives are given, addressing worldwide advances in studies, control, and prevention of the industry's impact on the marine environment and its living resources. Unique to this text are the data on environmental aspects of Russian offshore oil and gas developments presented by the leading expert on the problem. The author considers the main impact factors of the offshore activity and outlines conditions providing the balance of interests for the oil industry and fisheries. Special attention is given to the ecotoxicological and biogeochemical characteristics of oil and gas hydrocarbons in the marine environment. Based on all presently available information, specific environmental requirements for discharges and seawater quality are substantiated. Final chapters summarize strategic principles of environmental protection and ecological monitoring in relation to the offshore oil and gas activity. Appendix includes Russian standards of Maximum Permissible Concentrations (MPC) and Approximate Safe Impact Limits (ASIL) for about 200 chemicals used in oil and gas production.

Oil Politics Feb 29 2024 The essays here contribute to developing and deepening an understanding of the ecological challenges ravaging Nigeria, Africa and our world today. They illustrate the global nature of these terrors. These essays are intended as calls to action, as a means of encouraging others facing similar threats to share their experiences.

Environmental and Health Issues in Unconventional Oil and Gas Development Dec 05 2021 Environmental and Health Issues in Unconventional Oil and Gas Development offers a series of authoritative perspectives from varied viewpoints on key issues relevant in the use of directional drilling and hydraulic fracturing, providing a timely presentation of requisite information on the implications of these technologies for those connected to unconventional oil and shale gas development. Utilizing expertise from a range of contributors in academia, non-governmental organizations, and the oil and gas industry, Environmental and Health Issues in Unconventional Oil and Gas Development is an essential resource for academics and professionals in the oil and gas, environmental, and health and safety industries as well as for policy makers. Offers a multi-disciplinary appreciation of the environmental and health issues related to unconventional oil and shale gas development Serves as a collective resource for academics and professionals in the oil and gas, environmental, health, and safety industries, as well as environmental scientists and policymakers Features a diverse and expert group of chapter authors from academia, non-governmental organizations, governmental agencies, and the oil and gas industry

Fracking and the Environment May 22 2023 This book provides a systematic scientific approach to the understanding of hydraulic fracturing (fracking) as a hydrocarbon extraction technology and its impact on the environment. The book addresses research from the past decade to assess how fracking can affect air, water, landscapes and ecosystems, and presents the subject in the context of the history of fracking and shale gas development in the United States, describing what is known and not known about environmental impacts, and the broader implications of fossil energy use, climate change, and technology development. In 9 chapters, the author lays out how and why hydraulic fracturing was developed, what driving forces existed at the beginning of the so-called "shale revolution", how success was achieved, and when and why public acceptance of the technology changed. The intended audience is scientific people who are concerned about fracking, but perhaps do not know all that much about it. It is also intended for lay people who would be interested in understanding the technical details of the process and what effects it might or might not be having on the environment. The book is written at a level that is both understandable and technically correct. A further goal is to give some useful insights even to experienced petroleum geologists and engineers who have been doing fracking for many years.

Environmental Protection Apr 08 2022 Although climate change and pollution make near-daily appearances in the news, humans have not always recognized that the environment needs to be protected. Only after the publication of Rachel Carson's *Silent Spring* in 1962 did environmental protection become a political and social priority. In *Environmental Protection: What Everyone Needs to Know*®, environmental lawyer Pamela Hill offers clear, engaging answers to some of the most pressing questions facing us today. She discusses the science behind current environmental issues, defining key terms such as ecosystems, pollutants, and endocrine disruptors. Hill explains why our environment needs protection, using examples from history and current events, from the Irish potato famine to the BP oil spill in the Gulf of Mexico and the drinking water crisis in

Flint, Michigan. She also assesses the effectiveness of landmark laws and treaties, including the Clean Air Act, the Endangered Species Act, and the Kyoto Protocol. To what extent is it acceptable to rank human interests over ecological interests? And is it fair to ask developing countries to reduce emissions, even though they bear little responsibility for our current environmental problems? Hill identifies the greatest environmental threats we are facing today and suggests what we need to do as citizens, businesspeople, and lawmakers to protect the environment for each other and for future generations.

Environmental Technology in the Oil Industry Jun 30 2021 This significantly updated second edition of a classic work on the subject identifies the issues and constraints for each stage in the production of petroleum products – what they are, who is imposing them and why, their technical and financial implications. It then looks in detail at the technological solutions which have been found or are being developed. It also places these developments in their legal and commercial context.

A Thousand Ways Denied Aug 01 2021 From the hill country in the north to the marshy lowlands in the south, Louisiana and its citizens have long enjoyed the hard-earned fruits of the oil and gas industry's labor. Economic prosperity flowed from pioneering exploration as the industry heralded engineering achievements and innovative production technologies. Those successes, however, often came at the expense of other natural resources, leading to contamination and degradation of land and water. In *A Thousand Ways Denied*, John T. Arnold documents the oil industry's sharp interface with Louisiana's environment. Drawing on government, corporate, and personal files, many previously untapped, he traces the history of oil-field practices and their ecological impacts in tandem with battles over regulation. Arnold reveals that in the early twentieth century, Louisiana helped lead the nation in conservation policy, instituting some of the first programs to sustain its vast wealth of natural resources. But with the proliferation of oil output, government agencies splintered between those promoting production and others committed to preventing pollution. As oil's economic and political strength grew, regulations commonly went unobserved and unenforced. Over the decades, oil, saltwater, and chemicals flowed across the ground, through natural drainages, and down waterways. Fish and wildlife fled their habitats, and drinking-water supplies were ruined. In the wetlands, drilling facilities sat like factories in the midst of a maze of interconnected canals dredged to support exploration, manufacture, and transportation of oil and gas. In later years, debates raged over the contribution of these activities to coastal land loss. Oil is an inseparable part of Louisiana's culture and politics, Arnold asserts, but the state's original vision for safeguarding its natural resources has become compromised. He urges a return to those foundational conservation principles. Otherwise, Louisiana risks the loss of viable uses of its land and, in some places, its very way of life.

Green Petroleum Jun 22 2023 Can "green petroleum" reverse global warming and bring down high gasoline prices? Written in non-technical language for the layperson, this book investigates and details how the oil and gas industry can "go green" with new processes and technologies, thus bringing the world's most important industry closer to environmental and economic sustainability. This book unravels the mysteries of the current energy crisis and argues that solutions to global warming will come only from the development of new technologies. Discussed here are the reasons why petroleum operations, as they are now, are not sustainable; how each practice treads an inherently implosive path; and how each spells irreversible damage to the planet's ecosystem. Fossil fuel consumption is not the culprit; rather, the practices involved, from exploration to refining and processing, are responsible for the current damage to the environment.

The Future Is Not What It Used to Be May 10 2022 A hard look at the twin challenges of climate change and energy scarcity that examines historical precedents and allows no room for complacency. The future is not what it used to be because we can no longer rely on the comforting assumption that it will resemble the past. Past abundance of fuel, for example, does not imply unending abundance. Infinite growth on a finite planet is not possible. In this book, Jörg Friedrichs argues that industrial society itself is transitory, and he examines the prospects for our civilization's coming to terms with its two most imminent choke points: climate change and energy scarcity. He offers a thorough and accessible account of these two challenges as well as the linkages between them. Friedrichs contends that industrial civilization cannot outlast our ability to burn fossil fuels and that the demise of industrial society would entail cataclysmic change, including population decreases. To understand the social and political implications, he examines historical cases of climate stress and energy scarcity: devastating droughts in the ancient Near East; the Little Ice Age in the medieval Far North; the Japanese struggle to prevent "fuel starvation" from 1918 to 1945; the "totalitarian retrenchment" of the North Korean governing class after the end of Soviet oil deliveries; and Cuba's socioeconomic adaptation to fuel scarcity in the 1990s. He draws important lessons about the likely effects of climate and energy disruptions on different kinds of societies. The warnings of climate scientists are met by denial and inaction, while energy experts offer little guidance on the effects of future scarcity. Friedrichs suggests that to confront our predicament we must affirm our core values and take action to transform our way of life. Whether we are private citizens or public officials, complacency is not an option: climate change and energy scarcity are emerging facts of life.

The Moral Case for Fossil Fuels Jan 06 2022 Could everything we know about fossil fuels be wrong? For decades, environmentalists have told us that using fossil fuels is a self-destructive addiction that will destroy our planet. Yet at the same time, by every measure of human well-being, from life expectancy to clean water to climate safety, life has been getting better and better. How can this be? The explanation, energy expert Alex Epstein argues in *The Moral Case for Fossil Fuels*, is that we usually hear only one side of the story. We're taught to think only of the negatives of fossil fuels, their risks and side effects, but not their positives—their unique ability to provide cheap, reliable energy for a world of seven billion people. And the moral significance of cheap, reliable energy, Epstein argues, is woefully underrated. Energy is our ability to improve every single aspect of life, whether economic or environmental. If we look at the big picture of fossil fuels compared with the alternatives, the overall impact of using fossil fuels is to make the world a far better place. We are morally obligated to use more fossil fuels for the sake of our economy and our environment. Drawing on original insights and cutting-edge research, Epstein argues that most of what we hear about fossil fuels is a myth. For instance . . . Myth: Fossil fuels are dirty. Truth: The environmental benefits of using fossil fuels far outweigh the risks. Fossil fuels don't take a naturally clean environment and make it dirty; they take a naturally dirty environment and make it clean. They don't take a naturally safe climate and make it dangerous; they take a naturally dangerous climate and make it ever safer. Myth: Fossil fuels are unsustainable, so we should strive to use "renewable" solar and wind. Truth: The sun and wind are intermittent, unreliable fuels that always need backup from a reliable source of energy—usually fossil fuels. There are huge amounts of fossil fuels left, and we have plenty of time to find something cheaper. Myth: Fossil fuels are hurting the developing world. Truth: Fossil fuels are the key to improving the quality of life for billions of people in the developing world. If

we withhold them, access to clean water plummets, critical medical machines like incubators become impossible to operate, and life expectancy drops significantly. Calls to “get off fossil fuels” are calls to degrade the lives of innocent people who merely want the same opportunities we enjoy in the West. Taking everything into account, including the facts about climate change, Epstein argues that “fossil fuels are easy to misunderstand and demonize, but they are absolutely good to use. And they absolutely need to be championed. . . . Mankind’s use of fossil fuels is supremely virtuous—because human life is the standard of value and because using fossil fuels transforms our environment to make it wonderful for human life.”

Oil in the Sea III Dec 17 2022 Since the early 1970s, experts have recognized that petroleum pollutants were being discharged in marine waters worldwide, from oil spills, vessel operations, and land-based sources. Public attention to oil spills has forced improvements. Still, a considerable amount of oil is discharged yearly into sensitive coastal environments. *Oil in the Sea* provides the best available estimate of oil pollutant discharge into marine waters, including an evaluation of the methods for assessing petroleum load and a discussion about the concerns these loads represent. Featuring close-up looks at the Exxon Valdez spill and other notable events, the book identifies important research questions and makes recommendations for better analysis of “and more effective measures against” pollutant discharge. The book discusses: Input “where the discharges come from, including the role of two-stroke engines used on recreational craft. Behavior or fate “how oil is affected by processes such as evaporation as it moves through the marine environment. Effects “what we know about the effects of petroleum hydrocarbons on marine organisms and ecosystems. Providing a needed update on a problem of international importance, this book will be of interest to energy policy makers, industry officials and managers, engineers and researchers, and advocates for the marine environment.

Soil Not Oil Jun 03 2024 In *Soil Not Oil*, Vandana Shiva explains that a world beyond dependence on fossil fuels and globalization is both possible and necessary. Condemning industrial agriculture as a recipe for ecological and economic disaster, Shiva champions the small, independent farm: their greater productivity, their greater potential for social justice as they put more resources into the hands of the poor, and the biodiversity that is inherent to the traditional farming practiced in small-scale agriculture. What we need most in a time of changing climates and millions who are hungry, she argues, is sustainable, biologically diverse farms that are more resistant to disease, drought, and flood. “The solution to climate change,” she observes, “and the solution to poverty are the same.” *Soil Not Oil* proposes a solution based on self-organization, sustainability, and community rather than corporate power and profits.

Who Really Feeds the World? Nov 03 2021 Debunking the notion that our current food crisis must be addressed through industrial agriculture and genetic modification, author and activist Vandana Shiva argues that those forces are in fact the ones responsible for the hunger problem in the first place. *Who Really Feeds the World?* is a powerful manifesto calling for agricultural justice and genuine sustainability, drawing upon Shiva’s thirty years of research and accomplishments in the field. Instead of relying on genetic modification and large-scale monocropping to solve the world’s food crisis, she proposes that we look to agroecology—the knowledge of the interconnectedness that creates food—as a truly life-giving alternative to the industrial paradigm. Shiva succinctly and eloquently lays out the networks of people and processes that feed the world, exploring issues of diversity, the needs of small farmers, the importance of seed saving, the movement toward localization, and the role of women in producing the world's food.

Ending the Fossil Fuel Era Mar 08 2022 A provocative call for delegitimizing fossil fuels rather than accommodating them, accompanied by case studies from Ecuador to Appalachia and from Germany to Norway. Not so long ago, people North and South had little reason to believe that wealth from oil, gas, and coal brought anything but great prosperity. But the presumption of net benefits from fossil fuels is eroding as widening circles of people rich and poor experience the downside. A positive transition to a post-fossil fuel era cannot wait for global agreement, a swap-in of renewables, a miracle technology, a carbon market, or lifestyle change. This book shows that it is now possible to take the first step toward the post-fossil fuel era, by resisting the slow violence of extreme extraction and combustion, exiting the industry, and imagining a good life after fossil fuels. It shows how an environmental politics of transition might occur, arguing for going to the source rather than managing byproducts, for delegitimizing fossil fuels rather than accommodating them, for engaging a politics of deliberately choosing a post-fossil fuel world. Six case studies reveal how individuals, groups, communities, and an entire country have taken first steps out of the fossil fuel era, with experiments that range from leaving oil under the Amazon to ending mountaintop removal in Appalachia.

Apocalypse Never (resumo) Jul 12 2022 Este livro é um resumo produzido a partir da obra original. A mudança climática é real, mas não é o fim do mundo. Não é sequer nosso maior problema ambiental. Michael Shellenberger tem lutado por um planeta mais verde por décadas. Ajudou a salvar as últimas sequoias ameaçadas do mundo, co-criou o que seria o predecessor do atual Novo Acordo Verde (Green New Deal), além de, juntamente com cientistas climáticos e ativistas, liderar uma ação bem sucedida para manter as usinas nucleares funcionando, assim evitando os famosos "picos de emissão". Porém, em 2019, enquanto se alegava que "bilhões de pessoas iriam morrer", o que contribuiu para uma ampla crise de ansiedade ? inclusive entre adolescentes ?, como ativista ambiental há anos, afamado especialista em energia e pai de uma adolescente, Shellenberger resolveu que deveria falar mais a respeito a fim de separar a ficção da ciência. Mesmo após anos da atenção dada pela grande mídia, muitos continuam ignorantes quanto aos fatos mais básicos sobre clima. Em boa parte das nações mais desenvolvidas, os picos das emissões de carbono vêm caindo há mais de uma década. O mesmo ocorre quanto aos números de mortes causadas por condições climáticas extremas, que tiveram uma queda de 80% nos últimos quarenta anos, inclusive em nações mais pobres. Além disso, o risco de um superaquecimento da Terra tem se tornado mais improvável graças ao baixo crescimento populacional e a abundância de gás natural. Curiosamente, aqueles que são mais alarmistas quanto aos problemas climáticos também são os que tendem a se opor às soluções mais óbvias. O que está realmente por detrás de todo esse levante apocalíptico ambientalista? Estão poderosos interesses financeiros. Há desejo por status e poder. E há, sobretudo, um desejo de transcendência de pessoas supostamente seculares. O impulso espiritual pode ser natural e saudável, porém ao pregar medo sem amor e culpa sem redenção, a nova religião não está satisfazendo nossas mais profundas necessidades psicológicas e existenciais.

Cumulative Environmental Effects of Oil and Gas Activities on Alaska's North Slope Jun 10 2022 This book identifies accumulated environmental, social and economic effects of oil and gas leasing, exploration, and production on Alaska's North Slope. Economic benefits to the region have been accompanied by effects of the roads, infrastructure and activities of oil and gas

production on the terrain, plants, animals and peoples of the North Slope. While attempts by the oil industry and regulatory agencies have reduced many of the environmental effects, they have not been eliminated. The book makes recommendations for further environmental research related to environmental effects.

Slow Violence and the Environmentalism of the Poor Dec 29 2023 The violence wrought by climate change, toxic drift, deforestation, oil spills, and the environmental aftermath of war takes place gradually and often invisibly. Using the innovative concept of "slow violence" to describe these threats, Rob Nixon focuses on the inattention we have paid to the attritional lethality of many environmental crises, in contrast with the sensational, spectacle-driven messaging that impels public activism today. Slow violence, because it is so readily ignored by a hard-charging capitalism, exacerbates the vulnerability of ecosystems and of people who are poor, disempowered, and often involuntarily displaced, while fueling social conflicts that arise from desperation as life-sustaining conditions erode. In a book of extraordinary scope, Nixon examines a cluster of writer-activists affiliated with the environmentalism of the poor in the global South. By approaching environmental justice literature from this transnational perspective, he exposes the limitations of the national and local frames that dominate environmental writing. And by skillfully illuminating the strategies these writer-activists deploy to give dramatic visibility to environmental emergencies, Nixon invites his readers to engage with some of the most pressing challenges of our time.

Oil Injustice Jul 24 2023 Oil Injustice examines the mobilization efforts of four communities with different oil histories in response to the construction of an oil pipeline. Using multiple sites in Ecuador as case studies, Patricia Widener examines the efforts of grassroots groups, non-governmental organizations, activist mayors, and transnational advocates that mobilized to redefine the country's oil path and to represent the voice of many local communities and organizations that sought to offer an alternative to the nation's oil dependency and to the use of its oil wealth. These groups generated divergent and at times rival reactions to the pipeline, though at their core, the multiple campaigns developed from a shared history and awareness of a number of marginalized communities and degraded environments in areas most important to the oil process. Widener shows that global environmental justice demands are bound within a capitalist political system, where community activists, national NGOs and their international allies are forced to seek local change rather than attempt to defeat a disabling and unequal system.

Negative Ecologies Jan 30 2024 Introduction : the promise and predicament of crude oil -- Environment : a disastrous history of the hydrocarbon present -- Governing disaster -- Ethical oil -- Occupying the implication -- Petrochemical fallout -- Ecological mangrove -- Conclusion : negative ecologies and the discovery of the environment.

Oil Spill Environmental Forensics Sep 13 2022 Oil Spill Environmental Forensics provides a complete view of the various forensic techniques used to identify the source of an oil spill into the environment. The forensic procedures described within represent various methods from scientists throughout the world. The authors explore which analytical and interpretative techniques are best suited for a particular oil spill project. This handy reference also explores the use of these techniques in actual environmental oil spills. Famous incidents discussed include the Exxon Valdez incident in 1989 and the Guanabara Bay, Brazil 2000. The authors chronicle both the successes and failures of the techniques used for each of these events. Dr. Zhendi Wang is a senior research scientist and Head of Oil Spill Research of Environment Canada, working in the oil and toxic chemical spill research field. He has authored over 270 academic publications and won a number of national and international scientific honors and awards. Dr. Wang is a member of American Chemical Society (ACS), the Canadian Society for Chemistry (CSC), and the International Society of Environmental Forensics (ISEF). International experts show readers the forensic techniques used in oil spill investigations Provides the theoretical basis and practical applications for investigative techniques Contains numerous case studies demonstrating proven technique

Environmental Control in Petroleum Engineering Mar 27 2021 The petroleum industry must minimize the environmental impact of its various operations. This extensively researched book assembles a tremendous amount of practical information to help reduce and control the environmental consequences of producing and processing petroleum and natural gas. The best way to treat pollution is not to create it in the first place. This book shows you how to plan and manage production activities to minimize and even eliminate some environmental problems without severely disrupting operations. It focuses on ways to treat drilling and production wastes to reduce toxicity and/or volume before their ultimate disposal. You'll also find methods for safely transporting toxic materials from the upstream petroleum industry away from their release sites. For those sites already contaminated with petroleum wastes, this book reviews the remedial technologies available. Other topics include United States federal environmental regulations, sensitive habitats, major U.S. chemical waste exchanges, and offshore releases of oil. Environmental Control in Petroleum Engineering is essential for industry personnel with little or no training in environmental issues as well as petroleum engineering students.

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