

Oil SANDS Fever

THE ENVIRONMENTAL IMPLICATIONS
OF CANADA'S OIL SANDS RUSH



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Alvin Finkel



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The Peace-Athabasca Delta Kevin P. Timoney, 2013-09-15 Timely ecology of the Peace Athabasca Delta the threatened home of wildlife and indigenous cultures North American Oil Sands Marc Humphries, 2010-11 When it comes to future reliable oil supplies Canada's oil sands will likely account for a greater share of U.S. oil imports In 2008 oil sands accounted for 46% of Canada's total oil production and oil sands production is increasing as conventional oil production declines Since 2004 when a substantial portion of Canada's oil sands were deemed economic Canada has ranked second behind Saudi Arabia in oil reserves As oil sands production in Canada is predicted to increase to 2.8 million barrels per day by 2015 environ issues are a cause for concern Contents of this report 1 Intro 2 World Oil Sands Reserves and Resources What Are Oil Sands U.S. and Canada Oil Sand Resources 3 History of Development Charts and tables *Progress in Clean Energy, Volume 1* Ibrahim Dincer, C. Ozgur Colpan, Onder Kizilkan, M. Akif Ezan, 2015-08-27 This expansive reference on clean energy technologies focuses on tools for system modelling and analysis and their role in optimizing designs to achieve greater efficiency minimize environmental impacts and support sustainable development Key topics ranging from predicting impacts of on grid energy storage to environmental impact assessments to advanced exergy analysis techniques are covered The book includes findings both from experimental investigations and functional extant systems ranging from microgrid to utility scale implementations Engineers researchers and students will benefit from the broad reach and numerous engineering examples provided When Green Growth Is Not Enough Anders Hayden, 2014-11-01 Is the pursuit of endless economic growth compatible with the deep reductions in greenhouse gas emissions required to avoid the worst extremes of climate change In *When Green Growth Is Not Enough* Anders Hayden analyzes the political battle between three competing approaches to this question and how it has played out in Canada and Britain Defenders of the business as usual approach reject climate action as too costly and in conflict with economic growth while downplaying the severity of climate change Supporters of ecological modernization or green growth on the other hand aim to use technology and efficiency to delink economic expansion from emissions and find business opportunities through environmental action While mainstream debate has focused on these two pro growth models Hayden pays particular attention to the struggles and limited inroads of a third more radical perspective the idea of sufficiency which challenges the continued growth of production and consumption in the already affluent global North and asks how much is enough Drawing on interviews participation in climate related events and analysis of key documents Hayden shows the role these paradigms have played in Britain one of the world's leaders in climate reform and in Canada a nation at the bottom of international climate change rankings Rich in detail *When Green Growth Is Not Enough* is a lively account of the theory and real world politics of climate action **North American-Made Energy Security Act, July 8, 2011, 112-1 House Report 112-140, Part 1**, 2011 *The Big Stall* Donald Gutstein, 2018-10-02 In fall 2015 the newly elected Trudeau government endorsed the Paris Agreement and promised to tackle global warming In 2016 it released a

major report which set out a national energy strategy embracing clean growth technological innovation and carbon pricing. Rather than putting in place tough measures to achieve the Paris targets however the government reframed global warming as a market opportunity for Canada's clean technology sector. The Big Stall traces the origins of the government's climate change plan back to the energy sector itself in particular Big Oil. It shows how in the last fifteen years Big Oil has infiltrated provincial and federal governments, academia, media and the non profit sector to sway government and public opinion on the realities of climate change and what needs to be done about it. Working both behind the scenes and in high profile networks, Canada's energy companies moved the debate away from discussion of the measures required to create a zero carbon world and towards market based solutions that will cut carbon dioxide emissions but not enough to prevent severe climate impacts. This is how Big Oil and think tanks unraveled the Kyoto Protocol and how Rachel Notley came to deliver the Business Council of Canada's energy plan. Donald Gutstein explains how and why the door has been left wide open for oil companies to determine their own futures in Canada and to go on drilling new wells, building new oil sands plants and constructing new pipelines. This book offers the background information readers need to challenge politicians claiming they are taking meaningful action on global warming.

This Crazy Time Tzeporah Berman, Mark Leiren-Young, 2011-09-06. From one of the world's most controversial campaigners, This Crazy Time is the No Logo of the NEW environmental movement, an essential must read that combines Bill Bryson's personable style and humour with Naomi Klein's hard hitting activism and research. Passionate, profound, inspiring and funny, Berman is inspiring people from all walks of life to get off the sidelines and fight the good fight and win. This unique book, part manifesto from a leader, part humorous activist memoir from a soccer mom, offers a wryly honest, behind the scenes, ultimately uplifting look at the state of the planet. For almost 20 years, Tzeporah Berman has been one of our most influential environmentalists. A founder of ForestEthics and PowerUp Canada, she was instrumental in shaping the tactics and concerns of the modern environmental movement. In her early 20s, she faced nearly one thousand criminal charges and 6 years in prison for her role organizing blockades in Canada's rainforest. With ForestEthics, she took on Victoria's Secret with a photo of a chainsaw-wielding lingerie model, convincing the catalogue manufacturer to stop using paper made from old growth forests. She then transformed her tactics and sat down with CEOs and political leaders to reshape their policies and practices. She participated in saving over 12 million acres of endangered forests, including Canada's Great Bear Rainforest, and has campaigned against the development of Canada's oil sands. In her new role at Greenpeace International, she is fighting the problem of our time, climate change, including researching the impacts of the Gulf Oil Spill and protesting oil drilling in the Arctic. As a concerned mother, her book is an impassioned plea for a better world.

Tar Sands Andrew Nikiforuk, 2010-08-01. Tar Sands critically examines the frenzied development in the Canadian tar sands and the far reaching implications for all of North America. Bitumen, the sticky stuff that ancients used to glue the Tower of Babel together, is the world's most expensive hydrocarbon. This difficult to find resource has made

Canada the number one supplier of oil to the United States and every major oil company now owns a lease in the Alberta tar sands The region has become a global Deadwood complete with rapturous engineers cut throat cocaine dealers Muslim extremists and a huge population of homeless individuals In this award winning book a Canadian bestseller journalist Andrew Nikiforuk exposes the disastrous environmental social and political costs of the tar sands arguing forcefully for change This updated edition includes new chapters on the most energy inefficient tar sands projects the steam plants as well as new material on the controversial carbon cemeteries and nuclear proposals to accelerate bitumen production Fossilized Angela V. Carter, 2020-10-15 Thanks to increasingly extreme forms of oil extraction Canada's largest oil producing provinces underwent exceptional economic growth from 2005 to 2015 Yet oil's economic miracle obscured its ecological costs Fossilized traces this development trajectory assessing how the governments of Alberta Saskatchewan and Newfoundland and Labrador offered extensive support for oil industry development and exploring the often downplayed environmental effects of extraction Angela Carter investigates overarching institutional trends such as the restructuring of departments that prioritized extraction over environmental protection and identifies regulatory inadequacies related to environmental assessment land use planning and emissions controls Her detailed analysis situates these policy dynamics within the historical and global context of late stage petro capitalism and deepening neoliberalization of environmental policy Fossilized reveals a country out of step with the transition unfolding in response to the climate crisis As the global community moves toward decarbonization Canada's petro provinces are instead doubling down on oil to their ecological and economic peril

The American West at Risk Howard G. Wilshire, Jane E. Nielson, Richard W. Hazlett, 2008-06-05 *The American West at Risk* summarizes the dominant human generated environmental challenges in the 11 contiguous arid western United States America's legendary even mythical frontier When discovered by European explorers and later settlers the west boasted rich soils bountiful fisheries immense dense forests sparkling streams untapped ore deposits and oil bonanzas It now faces depletion of many of these resources and potentially serious threats to its few renewable resources The importance of this story is that preserving lands has a central role for protecting air and water quality and water supplies and all support a healthy living environment The idea that all life on earth is connected in a great chain of being and that all life is connected to the physical earth in many obvious and subtle ways is not some new age fad it is scientifically demonstrable An understanding of earth processes and the significance of their biological connections is critical in shaping societal values so that national land use policies will conserve the earth and avoid the worst impacts of natural processes These connections inevitably lead science into the murkier realms of political controversy and bureaucratic stasis Most of the chapters in *The American West at Risk* focus on a human land use or activity that depletes resources and degrades environmental integrity of this resource rich but tender and slow to heal western U S The activities include forest clearing for many purposes farming and grazing mining for aggregate metals and other materials energy extraction and use military training and weapons

manufacturing and testing road and utility transmission corridors recreation urbanization and disposing of the wastes generated by everything that we do We focus on how our land degrading activities are connected to natural earth processes which act to accelerate and spread the damages we inflict on the land Visit www.theamericanwestatrisk.com to learn more about the book and its authors Accumulating Insecurity Shelley Feldman, Charles Geisler, Gayatri A. Menon, 2011-03-15 Accumulating Insecurity examines the relationship between two vitally important contemporary phenomena a fixation on security that justifies global military engagements and the militarization of civilian life and the dramatic increase in day to day insecurity associated with contemporary crises in health care housing incarceration personal debt and unemployment Contributors to the volume explore how violence is used to maintain conditions for accumulating capital Across world regions violence is manifested in the increasingly strained often terrifying circumstances in which people struggle to socially reproduce themselves Security is often sought through armaments and containment which can lead to the impoverishment rather than the nourishment of laboring bodies Under increasingly precarious conditions governments oversee the movements of people rather than scrutinize and regulate the highly volatile movements of capital They often do so through practices that condone dispossession in the name of economic and political security North American Energy Access Act United States. Congress. House. Committee on Energy and Commerce, 2012 **The Effects of Middle East Events on U.S. Energy Markets** United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Energy and Power, 2011 **Oil's Deep State** Kevin Taft, 2017-10-06 Why have democratic governments failed to take serious steps to reduce carbon emissions despite dire warnings and compelling evidence of the profound and growing threat posed by global warming Most of the writing on global warming is by scientists academics environmentalists and journalists Kevin Taft a former leader of the opposition in Alberta brings a fresh perspective through the insight he gained as an elected politician who had an insider's eyewitness view of the role of the oil industry His answer in brief The oil industry has captured key democratic institutions in both Alberta and Ottawa Taft begins his book with a perceptive observer's account of a recent court case in Ottawa which laid bare the tactics and techniques of the industry its insiders and lobbyists He casts dramatic new light on exactly how corporate lobbyists politicians bureaucrats universities and other organizations are working together to pursue the oil industry's agenda He offers a brisk tour of the recent work of scholars who have developed the concepts of the deep state and institutional capture to understand how one rich industry can override the public interest Taft views global warming and weakened democracy as two symptoms of the same problem the loss of democratic institutions to corporate influence and control He sees citizen engagement and direct action by the public as the only response that can unravel big oil's deep state *Our Lives: Canada After 1945* Alvin Finkel, 2012-05 The people forces and events that have shaped post war Canada Pathways to a Hydrogen Future Thomas E Drennen, Jennifer E Rosthal, 2007-08-29 Hydrogen may someday fuel our cars and power and heat our homes and businesses and revolutionize the way we use energy Moving

to a hydrogen economy could help reduce our reliance on foreign oil improve local air quality and reduce the risk of climate change Despite the potential of hydrogen there is no guarantee that the hydrogen economy will happen as the obstacles are considerable and the competing visions are many Pathways to a Hydrogen Future seeks to untangle the competing visions of a hydrogen economy explain the trade offs and obstacles and offer recommendations for a path forward The results are based on a detailed simulation model developed at Sandia National Laboratories The Hydrogen Futures Simulation Model H2Sim The H2Sim is a high level strategic tool for evaluating the economic and environmental trade offs of alternative hydrogen production storage transport and end use options in the year 2020 An executive version of H2Sim is included with the book allowing readers to explore the various scenarios discussed H2Sim s ease of use and its ability to provide answers to these types of questions make it a powerful educational and policy making tool The model s structure is ideal for exploring what if questions such as Can fuel cell vehicles FCVs compete economically with current cars if the FCVs are 2.5 times as efficient Should the hydrogen be produced at fueling stations or at central locations and transported to fueling stations Includes an executive version of H2Sim allowing readers to explore the various scenarios discussed H2Sim s ease of use and ability to provide answers makes it a powerful educational and policy making tool The model s structure is ideal for exploring what if questions such as Can fuel cell vehicles FCVs compete economically with current cars if the FCVs are 2.5 times as efficient Should the hydrogen be produced at fueling stations or at central locations and transported to fueling stations

The American Energy Initiative United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Energy and Power, 2011 Issues of the Day Ian W.H. Parry, Felicia Day, 2010-09-23 Issues of the Day provides an easy way for students academics journalists policymakers and the public to learn about a diverse range of policy issues affecting the environment energy transportation and public health Each commentary gives a short assessment of a topic summarizing in a non technical way the current state of analysis or evidence on the issue along with selected recommendations for further reading The essays are written by world renowned scholars mostly economists and provide useful insights on policy problems that are often complex and poorly understood Some of the topics covered include air pollution hazardous waste voluntary environmental programs domestic U.S. and global climate policy design fishery management water quality endangered species forest fires oil security solar power road and airport fuel taxes and fuel economy standards alternative fuel vehicles health and longevity smoking malaria tuberculosis and the environment and development The objective is to disseminate the findings of sound objective research on the costs benefits and appropriate reform of public policies The book provides a useful supplement for undergraduate and graduate level course reading a reference guide for professionals and a way for the general reader to quickly develop an informed perspective on the most important policy problems of the day Issues of the Day is available to download as a PDF from the Resources for the Future website www.rff.org/weeklycommentary

Unconventional Fossil Fuels The Emirates Center for Strategic Studies and Research, 2014-10-01 With the exploitation

of unconventional fossil fuels such as shale oil and gas becoming both economically and technically more feasible and developments of great importance occurring in the pursuit of other unconventional resources we are today witnessing what some have termed a revolution in the means of hydrocarbon extraction. Such developments will undoubtedly have major impacts on the dynamics of global energy supply and demand, energy markets and prices, and on the relative status of traditional producers and consumers. The promise of a greater abundance of unconventional hydrocarbon resources has also raised a number of pressing questions and issues relating to the environmental effects of the continued exploitation of fossil fuels. These include the potential for and consequences of further legislation to lower carbon emissions implemented by concerned nations around the world, as well as the fate of related legislative and economic incentives for the development of renewable energy technologies.

Based on the proceedings of the ECSSR 19th Annual Energy Conference, *Unconventional Fossil Fuels: The Next Hydrocarbon Revolution* brings together a group of distinguished experts drawn from industry and academia to provide a strategic outlook for forthcoming developments in the field of unconventional hydrocarbon energy sources. The resultant papers compiled in this volume provide both professional and academic perspectives on these highly significant developments in the exploitation of unconventional fossil fuel resources, as well as their potential consequences for both producers and consumers.

Energy Security and Climate Change Cy Gonick, 2007. Delving into the origins of the current twin crises of peak oil and climate change, this book brings together some of Canada's and the world's leading authorities to evaluate the various solutions being advanced. What emerges is an engrossing discussion that is critical, sophisticated, and plain spoken. Not only does it clearly demonstrate that the two crises are linked, oil being a major cause of climate change, it also shows how this shortage is the cause of political upheaval. Several sustainable alternatives to carbon energy are also realistically discussed. Both challenging and controversial, this examination will be of interest to those seeking an introduction to these issues, as well as those looking for a greater depth of analysis.

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web jul 25 2022 write the name for each molecular compound co h 2s sf 6 n 2o 2 strategy first you have to know how to name a molecular compound to name a compound its the prefix name of first element prefix and name of the second element with the suffix ide the prefixes are as follows mono 1 di 2 tri 3 tetra 4

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