

Oil Sands and the Keystone XL Pipeline: Background and Selected Environmental Issues

Jonathan L. Ramseur, Coordinator
Specialist in Environmental Policy

Richard K. Lattanzio
Analyst in Environmental Policy

Linda Luther
Analyst in Environmental Policy

Paul W. Parfomak
Specialist in Energy and Infrastructure Policy

Nicole T. Carter
Specialist in Natural Resources Policy

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Oil Sands And The Keystone Xl Pipeline Background And Selected Environmental Issues

Margaret J. Goldstein



Oil Sands And The Keystone XL Pipeline Background And Selected Environmental Issues:

Oil Sands and the Keystone XL Pipeline Jonathan L. Ramseur, 2013-02-09 **Oil Sands and the Keystone XL Pipeline: Background and Selected Environmental Issues** Jonathan L. Ramseur, Richard K. Lattanzio, Linda Luther, Paul W. Parfomak, Nicole T. Carter, 2012-08-02

If constructed the Keystone XL pipeline would transport crude oil e g synthetic crude oil or diluted bitumen derived from oil sands in Alberta Canada to destinations in the United States Because the pipeline crosses an international border it requires a Presidential Permit that is issued by the Department of State DOS The permit decision rests on a national interest determination a term not defined in the authorizing Executive Orders DOS states that it has significant discretion in the factors it examines in this determination Key events related to the Presidential Permit include September 19 2008 TransCanada submitted an application for a Presidential Permit for its Keystone XL pipeline November 10 2011 DOS announced it needed additional information concerning alternative pipeline routes through the Nebraska Sandhills January 18 2012 In response to a legislative mandate in P L 112 78 DOS with the President s consent announced its denial of the Keystone XL permit May 4 2012 TransCanada submitted a revised permit application to DOS Although some groups have opposed previous oil pipeline permits opposition to the Keystone XL proposal has generated substantially more interest among environmental stakeholders Pipeline opponents are not a monolithic group some raise concerns about potential local impacts such as oil spills or extraction impacts in Canada some argue the pipeline would have national energy and climate change policy implications A number of key studies indicate that oil sands crude has a higher greenhouse gas GHG emissions intensity than many other forms of crude oil The primary reason for the higher intensity oil sands are heavy oils with a high viscosity requiring more energy and resource intensive activities to extract However analytical results vary due to different modeling assumptions Moreover industry stakeholders point out that many analyses indicate that GHG emissions from oil sands crude oil are comparable to other heavy crudes some of which are produced and or consumed in the United States Because of oil sands increased emissions intensity further oil sands development runs counter to some stakeholders energy and climate change policy objectives These objectives may vary based on differing views concerning the severity of climate change risk and or the need for significant mitigation efforts Opponents worry that oil sands crude oil will account for a greater percentage of U S oil consumption over time making GHG emissions reduction more difficult On the other hand neither issuance of a Presidential Permit nor increased oil sands development would preclude the implementation of energy climate policies that would support less carbon intensive fuels or energy efficiency improvements A primary local regional environmental concern of any oil pipeline is the risk of a spill Environmental groups have argued that both the pipeline s operating parameters and the material being transported imposes an increased risk of spill Industry stakeholders have been critical of these assertions To examine the concerns Congress included provisions in P L 112 90 requiring a review of current oil pipeline regulations and a risk analysis of oil sands crude Opponents of the

Keystone XL pipeline and oil sands development often highlight the environmental impacts that pertain to the region in which the oil sands resources are extracted. Potential impacts include among others land disturbance and water resource issues. In general, these local regional impacts from Canadian oil sands development may not directly affect public health or the environment in the United States. Within the context of a Presidential Permit, the mechanism to consider local Canadian impacts is unclear.

The Making of Environmental Law Richard J. Lazarus, 2023-02-15. An updated and passionate second edition of a foundational book. How did environmental law first emerge in the United States? Why has it evolved in the ways that it has? And what are the unique challenges inherent to environmental lawmaking in general and in the United States in particular? Since its first edition, *The Making of Environmental Law* has been foundational to our understanding of these questions. For the second edition, Richard J. Lazarus returns to his landmark book and takes stock of developments over the last two decades. Drawing on many years of experience on the frontlines of legal and policy battles, Lazarus provides a theoretical overview of the challenges that environmental protection poses for lawmaking related to both the distinctive features of US lawmaking institutions and the spatial and temporal dimensions of ecological change. The book explains why environmental law emerged in the manner and form that it did in the 1970s and traces how it developed over subsequent decades through key laws and controversies. New chapters composing more than half of the second edition examine a host of recent developments. These include how Congress dropped out of environmental lawmaking in the early twenty-first century, the shifting role of the judiciary, long overdue efforts to provide environmental justice to disadvantaged communities, and the destabilization of environmental law that has resulted from the election of Presidents with dramatically clashing environmental policies. As the nation's partisan divide has grown deeper and the challenge of climate change has dramatically raised the perceived stakes for opposing interests, environmental law is facing its greatest challenges yet. This book is essential reading for understanding where we have been and what challenges and opportunities lie ahead.

Proceedings of the Marine Safety & Security Council, 2015 Technical Explanation, Estimated Revenue Effects, Distributional Analysis, and Macroeconomic Analysis of the Tax Reform Act of 2014, a Discussion Draft of the Chairman of the House Committee on Ways and Means to Reform the Internal Revenue Code United States. Congress. Joint Committee on Taxation, 2014

Power Up Yasmin Ali, 2024-03-28. A stimulating and affable overview of how major feats of engineering can help the world beat the climate crisis. NEW STATESMAN. A highly engaging personal account of changes in our complex energy system to enable a low carbon world. MIKE BERNERS LEE. This hugely readable energy odyssey is now part of my climate change crib sheet. HELEN ARNEY. Readers are loving *Power Up*. A timely and crucial read in today's environmentally conscious context. For anyone curious about energy's role in our world and our future. An excellent educational tool. A deep dive into this complex world. There is something in here for everyone. Manages to make complicated ideas very simple. A behind-the-scenes tour of the energy system and an essential tool in understanding the challenges of climate change. We

rarely think about the energy systems that prop up our existence With hot water lighting and digital entertainment all available at the flick of a switch it's easy to underestimate the vast global network that makes these things possible In Power Up engineer Yasmin Ali takes us on a journey across the globe to reveal the bigger picture from solar farms shimmering in the desert to power stations hidden deep in the mountains We learn where we get energy from how it is moved and used around the world and why we need to understand the whole system if we want to transition towards a clean green future

Die Ölversorgungssicherheitspolitik der USA und der VR China Stephan Liedtke, 2018-12-14 Stephan Liedtke untersucht die weltweite Versorgungssicherheitspolitik der USA und der VR China Er zeigt welche außenpolitischen Maßnahmen die beiden wichtigsten Staaten der Welt einsetzen um ihre Versorgungssicherheit zu erhöhen und stabile Preise die Produktion den Bezug und den sicheren physischen Transport von ausländischem Öl zu fördern Geleitet wird die empirische Untersuchung durch ein theoretisches Modell für die Analyse angebotsorientierter Energieaußenpolitik das einen ersten Beitrag zur theoretischen Verortung von Energieaußenpolitik leistet und künftig in vergleichbaren Forschungsansätzen für systematische und theoriegeleitete Studien genutzt werden kann

Natural Resource Conflicts M. Troy Burnett, 2016-09-19 Natural resource and environmental conflicts have long been issues confronting human societies This case based examination of a wide range of natural resource disputes exposes readers to many contemporary examples that offer reasons for both hope and concern The Rwandan genocide the Sudanese civil war and perpetual instability in the Middle East and Africa each of these crises have arguably been instigated and maintained by natural resource disputes China has undertaken a Herculean task to plant hundreds of millions of trees along its margins in an effort to save Beijing from crippling dust storms and halt the expansion of the Gobi desert Will it work and is it worth it These and many other cases of conflict stemming from natural resource or environmental concerns are explained and debated in this up to date examination of contemporary and ongoing topics The book examines conflicts over precious resources and minerals such as diamonds oil water and fisheries as well as the pursuit of lesser known minerals like Coltan and other rare earth elements important resources in our technological age in remote locations such as Greenland and the Congo Each topic contains an overview and two position essays from different authors thereby providing the reader with highly informative and balanced perspectives Reference entries accompany each topic as well helping students to better understand each issue As the world hurtles into the 21st century these natural resource issues are becoming increasingly important with all global citizens having a significant stake in how these conflicts arise and play out

The Americas and Oceania: Assessing Sustainability Ray C. Anderson, Sara G. Beavis, Michael L. Dougherty, Tirso Gonzales, Ricardo Braun, Muhammad Aurang Zeb Mughal, Mark Wilson, 2012-11-01 The Americas and Oceania Assessing Sustainability provides extensive coverage of sustainability practices in two regions linked culturally and historically by their relative isolation before the Columbian exchange by their colonization after it and by the challenges of pollution resource overuse and environmental degradation Regional experts and international scholars focus on

environmental history in areas such as the South Pacific islands now particularly threatened by rising ocean levels due to climate change and on countries whose governments and corporations can play a major role in promoting or discouraging sustainable choices Brazil an emergent power on the world stage the United States the world's third most populous nation and New Zealand seemingly on its way to becoming an enviable model of sustainable development Fuel under Fire Margaret J. Goldstein, 2015-08-01 Every day people on Earth use about 90 million barrels of petroleum oil and natural gas to fuel cars buses airplanes farm equipment and factories to heat their homes and to manufacture detergents paints plastics and countless other products To get that petroleum oil and gas companies search all over the planet from northernmost Canada to deep under the ocean Because it is such a valuable commodity petroleum has become known as black gold And because of global dependence on this natural resource scholars say we are living in the Age of Oil Alongside its benefits petroleum has serious drawbacks It is not a renewable resource and many of Earth's most easily accessed petroleum deposits have been used up Companies have begun to search for oil in more difficult to reach places using controversial methods Extracting processing and refining oil is often environmentally destructive Oil spills and other accidents can contaminate soil and water kill wildlife and make people sick On a larger scale burning fossil fuels such as petroleum releases large amounts of carbon dioxide into the air leading to climate change Even as governments activists and researchers explore a wide range of conservation measures and alternative fuel sources the world continues to run on petroleum And the struggle to balance the pros and cons of this coveted resource will play a decisive role in the planet's future **Sustainable Energy**

Transitions Dustin Mulvaney, 2020-12-03 This textbook introduces the key concepts that underpin sustainable energy transitions Starting with the basic biophysical principles current sources and environmental consequences of existing energy resource use the book takes readers through the key questions and topics needed to understand prescribe and advocate just and sustainable energy solutions The interdisciplinary nature of the book aims to build bridges across the social and natural sciences and humanities bringing together perspectives ideas and concepts from engineering economics and life cycle assessment to sociology political science anthropology policy studies the humanities arts and some interdisciplinary thinkers that defy categories This accessible approach fills the gap for a textbook that integrates sustainability science and engineering studies with strong empirical social science and it will be a useful tool to anyone interested in the socio ecological dimensions of energy system transitions The Encyclicon - Volume 4 Thomas L. Saaty, Madjid

Tavana, 2021-03-02 Volume 4 has a very large number of more recent case studies and takes a closer look to the building process of the Benefits Opportunities Costs and Risks models using AHP top level networks rating of the B O C R with the help of the strategic criteria and ANP bottom level networks The Encyclicon is an advanced dictionary of structures used to represent complex decisions The first dictionary of hierarchic decision making was the Hierarchon Since hierarchies are a special case of networks the examples given here can be regarded as more general and complete representation of decision

making In particular except for a group of market share examples they all involve decisions made by considering Benefits B Opportunities O Costs C and Risks R They also involve a synthesis of these BOCR merits into a single overall best outcome for a decision This is the first volume of the series of Encyclicon books Each of the books contains different models from different years collected by a different author along with Thomas L Saaty and although all books tackle similar topics there are different models and different approaches on how to summarize and represent models for general use These books are meant as a reference guide when you try to set up ANP or AHP complex decision models The case studies in the books are linked to online reference material related to that which often include the super decision model power point presentation and the original report of the case

Public Policy Michael E. Kraft, Scott R. Furlong, 2020-01-07 Kraft and Furlong provide students with a conceptual understanding of public issues and how the public policy process functions This book also provides a forum for discussions of social economic and sustainable development issues their characteristics and impacts on human beings citizens as well as the environment It will give students the needed tools to make informed economic and human development decisions that could lead to sustainable growth human capacity building and better lives Robert Dibley Indiana University Kokomo With the right information we can develop public policies that work better All too often public policy textbooks offer a basic grounding in the policy process without the benefit of integrating the use of policy analysis Kraft and Furlong take a different tack Public Policy Politics Analysis and Alternatives Seventh Edition helps students understand how and why policy analysis is used to assess policy alternatives The text encourages them to not only question the assumptions of policy analysts but also recognize how these strategies are used in the support of political arguments The authors introduce and fully integrate an evaluative approach to policy to encourage critical and creative thinking on issues ranging from health care to climate change From a concise review of institutions policy actors and major theoretical models to a discussion of the nature of policy analysis and its practice Kraft and Furlong show students how to employ evaluative criteria in six substantive policy areas Students come away with the analytic tools they need to understand that the motivations of policy actors both within and outside of government influence a complex yet comprehensible policy agenda A Complete Teaching Learning Package LMS Cartridge formally known as SAGE Coursepacks Import this title s instructor resources into your school s learning management system LMS and save time Don t use an LMS You can still access all of the same online resources for this title via the password protected Instructor Resource Site

Energy Economics Roy L. Nersesian, 2016-03-02 Three quarters of our current electricity usage and transport methods are derived from fossil fuels and yet within two centuries these resources will dry up Energy Economics covers the role of each fossil and renewable energy source in today s world providing the information and tools that will enable students to understand the finite nature of fossil fuels and the alternative solutions that are available This textbook provides detailed examinations of key energy sources both fossil fuels and renewables including oil coal solar and wind power and summarises how the current economics of energy

evolved Subsequent chapters explore issues around policy technology and the possible future for each type of energy In addition to this readers are introduced to controversial topics including fracking and global warming in dedicated chapters on climate change and sustainability Each chapter concludes with a series of tasks providing example problems and projects in order to further explore the proposed issues An accompanying companion website contains extensive additional material on the history of the major types of fuel as well as technical material relating to oil exploration the development of solar power and historical environmental legislation This textbook is an essential text for those who study energy economics resource economics or energy policy

Mining North America John R. McNeill, George Vrtis, 2017-07-03 Over the past five hundred years North Americans have increasingly relied on mining to produce much of their material and cultural life From cell phones and computers to cars roads pipes pans and even wall tile mineral intensive products have become central to North American societies As this process has unfolded mining has also indelibly shaped the natural world and the human societies within it Mountains have been honeycombed rivers poisoned forests leveled and the consequences of these environmental transformations have fallen unevenly across North America Drawing on the work of scholars from Mexico the United States and Canada *Mining North America* examines these developments It covers an array of minerals and geographies while bringing mining into the core debates that animate North American environmental history Taken all together the essays in this book make a powerful case for the centrality of mining in forging North American environments and societies

Northern Route Approval Act, May 17, 2013, 113-1 House Report 113-61, Part 3, 2013 *Northern Route Approval Act* United States. Congress. House. Committee on Energy and Commerce, United States. Congress. House. Committee on Natural Resources, United States. Congress. House. Committee on Transportation and Infrastructure, 2013

Voices of Indigenuity Michelle Montgomery, 2023-12-01 *Voices of Indigenuity* collects the voices of the Indigenous Speaker Series and multigenerational Indigenous peoples to introduce best practices for traditional ecological knowledge TEK In this edited collection presenters from the series both within and outside of the academy examine the ways they have utilized TEK for inclusive teaching practices and in environmental justice efforts Advocating for and providing an expansion of place based Indigenized education that infuses Indigenous epistemologies for student success in both K 12 and higher education curricula these essays explore topics such as land fragmentation remote sensing and outreach through the lens of TEK demonstrating methods of fusing learning with Indigenous knowledge IK Contributors emphasize the need to increase the perspectives of IK within institutionalized knowledge beyond being co opted into non Indigenous frameworks that may be fundamentally different from Indigenous ways of thinking Decolonizing current harmful pedagogical curricula and research training about the natural world through an Indigenous guided approach is an essential first step to rebuilding a healthy relationship with our environment while acknowledging that all relationships come with an ethical responsibility *Voices of Indigenuity* captures the complexities of exploring the contextualized meanings for why TEK should be integrated into

Western environmental science processes and frameworks while rooted in Indigenous studies programs *Environmental Leadership* Deborah Rigling Gallagher, 2012-09-06 Part of the SAGE Reference Series on Leadership this 2 volume set tackles issues relevant to leadership in the realm of the environment and sustainability Volume 1 of *Environmental Leadership A Reference Handbook* considers such topics as environmental thought leadership environmental ethics conservation eco feminism collective action and the commons and what we have termed contrarians political leadership the environmental challenge context for the expression of political leadership governmental leadership government initiatives to provide leadership in environmental management private sector leadership private sector leadership in environmental management as individuals through organizations or through specific initiatives nonprofit leadership nonprofit sector leadership in topical areas such as conservation advocacy philanthropy and economic development signaling events events and their impact on the exercise of environmental leadership through individual political and organizational actions grassroots activism profiles of individual environmental activists and considerations of how environmental leadership is exercised through activism environmental leadership in journalism literature and the arts and environmental leadership in education In Volume 2 we cover topics that confront the particular intractable characteristics of environmental problem solving Individual chapters focus on how environmental leadership actions or initiatives may be applied to address specific problems in context offering both analyses and recommendations Overarching themes in this volume include taking action in the face of uncertainty mitigating climate change impacts adapting to climate change protecting coastal ecosystems protecting wetlands and estuaries preserving forest resources protecting critical aquifers preventing the spread of invasive species and identifying and conserving vital global habitats promoting international cooperation in the face of conflicting agendas designing and implementing climate change policy reconciling species protection and free trade allocating scarce resources designing sustainable fisheries addressing global overpopulation preventing trade in endangered species conserving global biodiversity and mitigating ocean debris and pollution addressing conflicts between economic progress and environmental protection preserving open space redesigning cities promoting ecotourism redeveloping brownfields designing transit oriented development confronting impacts of factory farming preventing non point source agricultural pollution confronting agricultural water use addressing the impacts of agrochemicals designing sustainable food systems and valuing ecosystem services addressing complex management challenges energy efficiency solar energy wind energy hydrogen economy alternative vehicles solid waste disposal hazardous waste disposal electronic waste disposal life cycle analysis and waste to energy and addressing disproportionate impacts on the poor and the weak preventing export of developed world waste to developing countries minimizing co location of poverty and polluting industries protecting the rights of indigenous peoples preventing environmental disease protecting children s health providing universal access to potable water and protecting environmental refugees The final three chapters examine next generation environmental leaders North American Borders

in Comparative Perspective Guadalupe Correa-Cabrera, Victor Konrad, 2020-04-07 The northern and southern borders and borderlands of the United States should have much in common instead they offer mirror articulations of the complex relationships and engagements between the United States Mexico and Canada In *North American Borders in Comparative Perspective* leading experts provide a contemporary analysis of how globalization and security imperatives have redefined the shared border regions of these three nations This volume offers a comparative perspective on North American borders and reveals the distinctive nature first of the overportrayed Mexico U S border and then of the largely overlooked Canada U S border The perspectives on either border are rarely compared Essays in this volume bring North American borders into comparative focus the contributors advance the understanding of borders in a variety of theoretical and empirical contexts pertaining to North America with an intense sharing of knowledge ideas and perspectives Adding to the regional analysis of North American borders and borderlands this book cuts across disciplinary and topical areas to provide a balanced comparative view of borders Scholars policy makers and practitioners convey perspectives on current research and understanding of the United States borders with its immediate neighbors Developing current border theories the authors address timely and practical border issues that are significant to our understanding and management of North American borderlands The future of borders demands a deep understanding of borderlands and borders This volume is a major step in that direction Contributors Bruce Agnew Donald K Alper Alan D Bersin Christopher Brown Emmanuel Brunet Jailly Irasema Coronado Guadalupe Correa Cabrera Michelle Keck Victor Konrad Francisco Lara Valencia Tony Payan Kathleen Staudt Rick Van Schoik Christopher Wilson

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