=Pipelines 1AC version 2=

==Contention One: The environment==

====Warming is real and caused by human emissions, broad analysis of all studies flow aff====

\*\*Muller 7/28/12 \*\*(Richard A Muller, [[Richard A. Muller-http://muller.lbl.gov/]], a professor of physics at the University of California, Berkeley, and a former MacArthur Foundation fellow, is the author, most recently, of "Energy for Future Presidents: The Science Behind the Headlines.", "The Conversion of a Climate Change Skeptic" [[http://www.nytimes.com/2012/07/30/opinion/the-conversion-of-a-climate-change-skeptic.html?\_r=1%26pagewanted=all-http://www.nytimes.com/2012/07/30/opinion/the-conversion-of-a-climate-change-skeptic.html?\_r=1%26pagewanted=all]], accessed 11/26/12, KR)

CALL me a converted skeptic. Three years ago I identified problems in previous climate

AND

some of the most alarmist claims, and my skepticism about them hasn~’t changed

====We~’re at 396 ppm, reducing emissions now is key to stopping us from hitting the tipping point. We have no other choice but to cut carbon emmisions.====

\*\*Walsh\*\* 12 (July 10th, 2012. Time magazine, Bryan Walsh Is a senior editor for TIME International and the environment writer for TIME magazine. Published New York, New York 2012. Managing editor: Richard Stengel. "Global Warming, The Causes, The Perils, The Solutions"

Everyone knows that we need to reduce carbon emission – and fast- to prevent

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of any other crisis." In other words, we have no choice.

====In the status quo 85% percent of the world lives in a developing country, who are most affected by climate change. The US is one of the largest emitters but has failed to take action because they do not see cutting emissions as viable, we have an ethical obligation to reduce emissions====

\*\*Gordon 7 – Professor of Law at Villanova University\*\*

\*\*(Ruth, "THE CLIMATE OF ENVIRONMENTAL JUSTICE: TAKING STOCK: CLIMATE CHANGE AND THE POOREST NATIONS: FURTHER REFLECTIONS ON GLOBAL INEQUALITY, 78 U. Colo. L. Rev. 1559, lexis, dml)\*\*

Sadly, this paper ends where it began. The world is rapidly growing warmer

AND

suffering the most horrific effects of what will be a much warmer world.

====Unfortunately, coal is inevitable in the status quo and responsible for the majority of carbon emissions. No other energy source has been able to meet energy demand. ====

Richard K. Morse 2012 – leads research in global coal markets and global carbon

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most practical ways to make immediate progress in the fight against global warming.

===This means 2 things===

====One: ocean acidification means 70% of the earth is uninhabitable. CO2 increases ocean acidification and destroys the food chain====

The Guardian 11 (news source citing Condon from Virginia Institute of Marine Science, National Academy of Sciences, Turley from Plymouth University~’s Marine Laboratory, University of British Columbia, "Explosion in jellyfish numbers may lead to ecological disaster, warn scientists", June 11, 2011, http://www.guardian.co.uk/environment/2011/jun/12/jellyfish-plankton-ocean-acid)

Global warming has long been blamed for the huge rise in the world~’s jellyfish population

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000 different jellyfish species to appear earlier each year and expanding their number.

====We have a moral obligation to preserve species====

John Kucinich, Judge Advocate specializing in environmental law, ENVIRONMENTAL LAW REVIEW, Spring 1994, p. 501.

Finally, and least pragmatic, is the moral duty not to exterminate our fellow

AND

posterity of a heritage their own ancestors had passed down for their enjoyment.

====Current warming means there wont be an adaption: specific to biodiversity in marine systems====

\*\*Watts 9/4/12 \*\*(Anthony Watts September 4th, 2012, meteorologist, Purdue university, cites studies done by University of York, National Academy of Sciences, Department of Biology of York, University of Glasgow, University of Leeds, http://wattsupwiththat.com/2012/09/04/warming-increases-biodiversity-except-when-it-doesnt, Watts up with that? "warming increases biodiversity, except when it doesn~’t" aceses 11/26/12, KR)

From the [[University of York-http://www.york.ac.uk/]] news that warming increases biodiversity. Since that~’s a buzzword

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millions of years, and in the meantime we expect extinctions to occur."

====Two: The developing countries of the world will be powerless in the face of the impacts of warming. Climate change leads to drought and flooding, this destroys agriculture and destroys access to safe drinking water====

Muawya Ahmed Hussein 2011 Dhofar University Bureau of Applied Economics %26 Statistics The Economic,

AND

productive areas and is an important hydropower production region. Because of th

====Drought results in the death of millions of under privileged who don~’t have the ability to mitigate these impacts. One person dying of the effects of climate changes means you vote aff.   
====

\*\*Aiguo Dai 2010 \*\*Ph.D. Atmospheric Science, Columbia University, New York CityM.S. Atmospheric Science, Inst. for Atmos. Phys., Chinese Academy of Sci., Beijing, China Drought Under Global Warming: A review [[http://onlinelibrary.wiley.com/doi/10.1002/wcc.81/pdf-http://onlinelibrary.wiley.com/doi/10.1002/wcc.81/pdf]]  
  
Few extreme events are

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of climate change.

====There is no escaping the government so we might as well work through it. Any anti-statist environmentalist struggles guarantees continual oppression of the impoverished and mass violence====

\*\*Taylor 2k – Professor of Social Ethics\*\*

\*\*Bron, Professor of Religion %26 Social Ethics, Director of Environmental Studies, University of Wisconsin-Oshkosh, BENENEATH THE SURFACE: CRITICAL ESSAYS IN THE PHILOSOPHY OF DEEP ECOLOGY, P. 282-284\*\*

A more trenchant problem is how bioregionalists (and the anarchists who influenced their most

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restraints on power both within nations and internationally, the most beautiful bioregional experiments

and models will be overwhelmed and futile.

==Thus the Plan==

====Plan: The United States federal government should substantially increase its fiscal investment in pipeline transportation infrastructure for captured supercritical carbon dioxide in the United States.====

==Contention Two: Solvency==

====The choice is between coal with no emissions or continual destruction of the environment. CCS allows for coal with zero emissions – government investment is key to commercial adaptation====

Richard K. Morse 2012 – leads research in global coal markets and global carbon

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reservoirs, a practice that would make the economics of CCS more attractive.

====Carbon capture is tested and feasible, it~’s the most economically viable plan and prevents the pollutants from being put in the air.====

\*\*Anthony et. al ~’10 \*\*~~[May 2010, Lauren Anthony, Brendon Baatz, Nicholas Bahnken, McKenzie Beverage, Jie Cui, Rose Galer, Devin Hartmaan, Colin Highlands, Howon Kang, Jacob Keating, Meghan Keefer, Kyungwoo Kim, Ashleigh Klingman, Keum Hoo Lee, Katie Mauldin, Richy Palmer, Laura Paradise, Arif Sayik, Burak Uyan, Kelly Wedell, Hasan Qildirin, Ibrahim Yigit, Yonghua Zou are top scholars from multiple disciplines to conduct innovative, timely and relevant research in the broad area of energy, focusing specifically on: • Advanced fossil fuels and nuclear power; • Alternative or renewable energy resources; • Local and regional carbon cycle dynamics; • Environmental and economic consequences of energy production and distribution assembled under the Center for Research in Energy and the Environment of Indiana University, "Carbon Capture and Storage",[[http://www.indiana.edu/~~cree/pdf/2010%20V600%20Capstone%20Report%20on%20Carbon%20Capture%20and%20Storage.pdf-http://www.indiana.edu/~cree/pdf/2010 V600 Capstone Report on Carbon Capture and Storage.pdf]]~~]  
  
Removing CO2 from a pre-combustion stream

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of air pollutants and volatile mercury

====Only the plan is modeled – China, India, Brazil, and other countries won~’t cut emissions unless they can avoid economic cost====

\*\*====Apt et al 7 \*\*– PhD in Physics @ MIT, Professor of Technology, Tepper School of Business and Engineering and Public Policy  
Jay, "Incentives for Near-Term Carbon Dioxide Geological Sequestration," Carnegie Mellon,[[http://wpweb2.tepper.cmu.edu/ceic/pdfs\_other/Incentives\_for\_Near-Term\_Carbon\_Dioxide\_Geological\_Sequestration.pdf-http://wpweb2.tepper.cmu.edu/ceic/pdfs\_other/Incentives\_for\_Near-Term\_Carbon\_Dioxide\_Geological\_Sequestration.pdf]]  
,,The Intergovernmental Panel on Climate Change

AND

in the 2005 U.S. economy are shown in figure 28 below.,,  
====

====And not only major countries will cut emissions. Developing countries will follow when CCS is proven====

\*\*Global CCS Institute 12 \*\*("Funding Carbon Capture and Storage in Developing Countries,"[[http://cdn.globalccsinstitute.com/sites/default/files/publications/37906/fundingccsindevelopingcountriesfinal.pdf-http://cdn.globalccsinstitute.com/sites/default/files/publications/37906/fundingccsindevelopingcountriesfinal.pdf]])  
Given the significant, but manageable, challenges

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such as earnings from CCS technology exports"

====Empirics prove- CCS storage is technologically feasible ====

\*\*Dooley and Davidson 10 \*\*– leader of the Joint Global Change Research Institute~’s and the Global Energy Technology Strategy Project~’s research related to carbon dioxide capture and storage and senior member of the Joint Global Change Research Institute~’s Integrated Assessment modeling team; Senior Research Scientist. Pacific Northwest National Laboratory, Richland, Washington (JJ and CL, "A Brief Technical Critique of Ehlig-Economides and Economides 2010: ~’Sequestering Carbon Dioxide in a Closed Underground Volume~’" US Department of Energy April 2010 [[http://www.pnl.gov/main/publications/external/technical\_reports/PNNL-19249.pdf-http://www.pnl.gov/main/publications/external/technical\_reports/PNNL-19249.pdf]]) MLR  
  
The technical feasibility of storing CO2

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benefits and challenges associated with CCS

====Pipelines are the missing link – a national network is needed====

\*\*IRGC 8\*\* - International Risk Governance Council, "Regulation of Carbon Capture and Storage," [[http://www.irgc.org/IMG/pdf/Policy\_Brief\_CCS.pdf-http://www.irgc.org/IMG/pdf/Policy\_Brief\_CCS.pdf]]

Large-scale CCS deployment will require the creation of a regime to manage risks

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levels of investment, potentially inﬂuencing the ultimate organisational structure of the CCS industry

==Contention Three: impacts flow aff==

====Status quo oppression is functionally a militaristic war on the poor – reject the desire to revert to the status quo in the face of wildly constructed threats in favor of including the narratives of the oppressed====

Cuomo 96 – Associate Professor of Philosophy and Women~’s Studies @ Univ of Cincinnati

(Chris, "War is Not Just an Event: Reflections on the Significance of Everyday Violence," Hypatia, Vol. 11, No. 4, Women and Violence (Autumn, 1996), pp. 30-45, dml)

Theory that does not investigate or even notice the omnipresence of militarism cannot represent or

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the "war on crime," and other state-funded militaristic campaigns.

====Our framework is one of empathy – we believe you have an ethical obligation to assist those who have been marginalized in the status quo – this is the only way to peace====

The Dalai Lama 93

(Speech given to the United Nations World Conference on Human Rights, Vienna, Austria, June 1993, [[http://www.freetibet.org/about/dalai5-http://www.freetibet.org/about/dalai5]], dml)

"Our world is becoming smaller and ever more interdependent with the rapid growth in

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I am just one individual while others are infinite in number and importance.

====And, absent a mindset shift towards peace and empathy, a mentality of pure war will overcome us, negating value to life and making extinction inevitable====

\*\*Borg 3\*\* – co-founder and executive director of the Community Consulting Group

(Mark, "Psychoanalytic Pure War: Interactions with the Post-Apocalyptic Unconscious," Journal for the Psychoanalysis of Culture and Society, Volume 8, Number 1, Spring 2003, pp. 57-67, dml)

Virilio and Lotringer gave the name "pure war" to the psychological condition that

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but we no longer have the means of recognizing it" (42).

====And, we have an obligation to assist the helpless Other even in the face of extinction====

Jovanovic and Wood 4 – \*Communications/Rhetoric Professors @ Denver University and University of North Carolina respectively

(Spoma and Roy, "Speaking from the Bedrock of Ethics," Philosophy and Rhetoric Vol 37 no 4, 2004, 317-334, dml)

On September 11, 2001, terrorism touched down in the United States. While

AND

the man who is not going anywhere in the heart of an inferno.

====And, adopting a framework of empathy makes war impossible====

Dews 7 -professor of philosophy at the University of Essex

(Peter, "The Idea of Evil," Blackwell Publishing LTD, 2007)

The face, then, is not an object, but the condition of all

AND

is accomplished in shame where freedom discovers itself murderous in its very exercise.

====Warming turns every impact  
\*\*Burke 8\*\* (Sharon, sr fellow and dir of the energy security project at the Center for a New American Security, Chapter 6 of Climatic Cataclysm: The Foreign Policy and National Security Implications of Climate Change, edited by Kurt Campbell, p 157-165)====

At the same time, however, the implications of both trends for human

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, given the collapse of the MOC, which will compromise agricultural productivity.

====Climate change is comparatively the only existential threat  
\*\*Doebbler 11.\*\* Curtis, International Human Rights Lawyer. Two threats to our existence. Ahram Weekly. July 2011.[[http://weekly.ahram.org.eg/2011/1055/envrnmnt.htm-http://weekly.ahram.org.eg/2011/1055/envrnmnt.htm]]  
Climate change is widely acknowledged to be the greatest threat facing humanity. It will lead to small island states disappearing from the face of the earth, serious global threats to our food and water supplies, and ultimately the death of hundreds of millions of the poorest people in the world over the course of this century.====

No other threat — including war, nuclear disasters, rogue regimes, terrorism,

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as the equivalent of sending hundreds of millions of Africans to the furnace.

Yet for more than two decades, states have failed to take adequate action to

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and marginalise their neighbours in developing countries. They continue in this vein.