### Contention One is Climate Change

#### Global Warming is happening – most recent and best evidence concludes that it is human induced

**Muller 12** [Richard, professor of physics at the University of California, Berkeley, and a former MacArthur Foundation fellow, “The Conversion of a Climate-Change Skeptic”, 7/28/2012, http://www.nytimes.com/2012/07/30/opinion/the-conversion-of-a-climate-change-skeptic.html?pagewanted=all]

CALL me a converted skeptic… By far the best match was to the record of atmospheric carbon dioxide (CO2), measured from atmospheric samples and air trapped in polar ice.

#### CO2 is the primary driver of climate change – outweighs all alt causes

**Vertessy and Clark 12** [Rob, Acting Director of Australian Bureau of Meteorology, and Megan, Chief Executive Officer at the Commonwealth Scientific and Industrial Research Organisation, “State of the Climate 2012”, 3/13/2012, <http://theconversation.edu.au/state-of-the-climate-2012-5831>]

Carbon dioxide (CO2) emissions account for about 60% of the effect from anthropogenic greenhouse gases on the earth’s energy balance over the past 250 years... The observed trends in the isotopic (13C, 14C) composition of CO2 in the atmosphere and the decrease in the concentration of atmospheric O2 confirm that the dominant cause of the observed CO2 increase is the combustion of fossil fuels.

#### Not too late – every reduction key

**Nuccitelli 12** [Dana, is an environmental scientist at a private environmental consulting firm in the Sacramento, California area. He has a Bachelor's Degree in astrophysics from the University of California at Berkeley, and a Master's Degree in physics from the University of California at Davis. He has been researching climate science, economics, and solutions as a hobby since 2006, and has contributed to Skeptical Science since September, 2010, <http://www.skepticalscience.com/realistically-what-might-future-climate-look-like.html>]

We're not yet committed to surpassing 2°C global warming, but as Watson noted, we are quickly running out of time to realistically give ourselves a chance to stay below that 'danger limit'… This is especially true since the most important component of the solution - carbon pricing - can be implemented at a relatively low cost, and a far lower cost than trying to adapt to the climate change consequences we have discussed here (Figure 4).

#### Warming causes extinction and outweighs nuclear war

**Lynas 07** (Mark, winner of the Royal Society Prize for Science Books, advisor on climate change to the President of the Maldives, Visiting Research Associate at Oxford University’s School of Geography and the Environment, The Guardian, “Six Steps to Hell,”<http://www.guardian.co.uk/books/2007/apr/23/scienceandnature.climatechange>)

Scientists estimate that we have at best 10 years to bring down global carbon emissions if we are to stabilise world temperatures within two degrees of their present levels… Acting much like today's fuel-air explosives (or "vacuum bombs"), major oceanic methane eruptions could release energy equivalent to 10,000 times the world's stockpile of nuclear weapons.

#### The plan solves

#### a. Sugarcane ethanol – independently solves dead zones

**Specht 13** [Jonathan-J.D. Wash. U St. Louis, Legal Advisor, “Raising Cane: Cuban Sugarcane Ethanol’s Economic and Environmental Effects on the United States,” Environmental Law & Policy Journal, Univ. of California Davis, Vol. 36:2, <http://environs.law.ucdavis.edu/issues/36/2/specht.pdf>]

IV. Environmental Effects of Ethanol¶ ¶ Assuming that Cuba is able to meet all the challenges standing in the way of creating a sugarcane-based ethanol industry, including the removal of U.S. legal barriers, and it begins importing ethanol to the United States, the United States would benefit environmentally in two ways… Scientists have linked the so-called Dead Zone to corn production and, thus, to the domestic ethanol industry. n68

#### Dead zones collapse ocean biodiversity

Carlisle 2K [Elizabeth Carlisle, The Gulf of Mexico Dead Zone  and  Red Tides, The Louisiana Environment, http://www.tulane.edu/~bfleury/envirobio/enviroweb/DeadZone.htm]

As the fresh, nutrient-enriched water from the Mississippi and Atchafalaya Rivers spread across the Gulf waters, favorable conditions are created for the production of massive phytoplankton blooms… These hypoxic conditions cause food chain alterations, loss of biodiversity, and high aquatic species mortality.

#### Ensures planetary extinction

**Craig 03** [Robin Kundis-– Associate Professor at Indiana University School of Law, “Taking Steps Toward Marine Wilderness Protection”, McGeorge Law Review, Winter, 34 McGeorge L. Rev. 155]

Biodiversity and ecosystem function arguments for conserving marine ecosystems also exist, just as they do for terrestrial ecosystems, but these arguments have thus far rarely been raised in¶ political debates… The Black Sea is almost¶ dead, 863 its once-complex and productive ecosystem almost entirely replaced by a monoculture of comb jellies, "starving out fish and dolphins, emptying fishermen's nets, and converting the¶ web of life into brainless, wraith-like blobs of

#### b. Prevents the destruction of the grasslands – it's a key carbon sink – independently key to biodiversity

**Specht 13** [Jonathan-J.D. Wash. U St. Louis, Legal Advisor, “Raising Cane: Cuban Sugarcane Ethanol’s Economic and Environmental Effects on the United States,” Environmental Law & Policy Journal, Univ. of California Davis, Vol. 36:2, <http://environs.law.ucdavis.edu/issues/36/2/specht.pdf>]

Incentivizing farmers to grow consecutive corn crops instead of alternating with soybean crops is only the least damaging of the environmentally detrimental land use changes that the domestic ethanol industry encourages… When native grassland is plowed to grow crops like corn, the carbon stored in its soil is released into the atmosphere, further exacerbating climate change and counterbalancing the greenhouse gas benefits of replacing fossil fuel-based gasoline with corn-based ethanol. n89

#### c. Prevents the destruction of Cerrado

**Specht 13** [Jonathan-J.D. Wash. U St. Louis, Legal Advisor, “Raising Cane: Cuban Sugarcane Ethanol’s Economic and Environmental Effects on the United States,” Environmental Law & Policy Journal, Univ. of California Davis, Vol. 36:2, <http://environs.law.ucdavis.edu/issues/36/2/specht.pdf>]

The full debate over the environmental consequences of the Brazilian biofuel¶ production¶ 111¶ is largely beyond the scope of this Article… Therefore, from a purely environmental perspective,¶ changing U.S. law and policy in order to promote the importation of Cuban¶ sugarcane-based ethanol should be encouraged.

#### Cerrado’s key to biodiversity and global warming – it’s a key carbon sink

**Vitali 11** (Isabella Vitali – Senior Policy Officer, WWF-UK.“Soya and the Cerrado: Brazil’s forgotten jewel – http://assets.wwf.org.uk/downloads/soya\_and\_the\_cerrado.pdf)

Loss of the Cerrado is of global concern not only because¶ of its significant contribution to the world’s biodiversity,¶ but also because of its importance in terms of climate¶ change… Recent studies¶ suggest the carbon stock of trees, bushes, litter, roots and soil may be nearly double¶ the figure given by the Intergovernmental Panel on Climate Change (2000), at some¶ 265 tonnes of carbon per hectare.33

#### Biodiversity loss causes extinction – it’s a prerequisite to resiliency

**Young 10** (Dr. Ruth Young, PhD in coastline marine biology, “Biodiversity: what it is and why it’s important,” 2/9/2010, <http://www.talkingnature.com/2010/02/biodiversity/biodiversity-what-and-why/>)

The United Nations declared 2010 to be the International year of biodiversity… This is the international year of biodiversity – a time to recognize that biodiversity makes our survival on this planet possible and that our protection of biodiversity maintains this service.

#### Independently, biodiversity collapse causes disease spread

**Matt and Gebser 11** – Florian and Ronny, citing Keesing et al. 2010, “Biodiversity decline can increase the spread of infectious diseases like Hantavirus,” <http://www.eea.europa.eu/atlas/teeb/biodiversity-decline-can-increase-the/view>)

What is the problem?.. However, the elimination of disease hotspots has the risk to “backfire” by resulting in pathogen transmission (Keesing et al. 2010).

#### Disease causes extinction

**Yu 09** [Victoria, Dartmouth Undergraduate Journal of Science, "Human extinction: the uncertainty of our fate", 5/22, <http://dujs.dartmouth.edu/spring-2009/human-extinction-the-uncertainty-of-our-fate>]

A pandemic will kill off all humans… Perhaps even more frightening is the fact that only 25 mutations were required to convert the original viral strain — which could only infect birds — into a human-viable strain (10).

### Contention Two is Hegemony

#### Plan key to credibility

**Dickerson 10** Lieutenant Colonel Sergio M. Dickerson, 2010, "United States Security Strategy Towards Cuba," Strategy Research Project, [www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA518053](http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA518053)

Conclusion¶ Today, 20 years have passed since the fall of the Berlin Wall – it’s time to chip away at the diplomatic wall that still remains between U.S. and Cuba… The U.S. could begin to lead again and reverse its perceived decline in the greater global order bringing true peace for years to come.

#### American credibility solves war

**Jervis 09** (professor of international politics at Columbia University. (Robert, Unipolarity: A Structural Perspective, World Politics Volume 61, Number 1, January 2009)

To say that the system is unipolar is not to argue that the unipole can get everything it wants or that it has no need for others… Success requires that others share the American vision and believe that its leadership is benign.

#### Legitimacy’s the fundamental internal link to effective hegemony - power distributions perceived as illegitimate are the most likely causes of great power war

**Finnemore 09** (Martha, professor of political science and international affairs at George Washington University, January 2009, “Legitimacy, Hypocrisy, and the Social Structure of Unipolarity: Why Being a Unipole Isn’t All It’s Cracked Up to Be,” World Politics, Volume 61, Number 1)

Legitimacy is, by its nature, a social and relational phenomenon… The unipole’s policies will meet with resistance, either active or passive, at every turn. Cooperation will be induced only through material quid pro quo payoffs. Trust will be thin to nonexistent. This is obviously an expensive system to run and few unipoles have tried to do so.

#### Heg decline results in global conflict

**Brzezinski 12** (Zbigniew, Professor of American Foreign Policy at the School of Advanced International Studies – Johns Hopkins University, Counselor – CSIS and Trustee and Co-Chair – CSIS Advisory Board, Former National Security Advisor – Carter, “After America”, Foreign Policy, January / February, <http://www.foreignpolicy.com/artic> les/2012/01/03/after\_america?page=full)

For if America falters, the world is unlikely to be dominated by a single preeminent successor -- not even China… And as the world after America would be increasingly complicated and chaotic, it is imperative that the United States pursue a new, timely strategic vision for its foreign policy -- or start bracing itself for a dangerous slide into global turmoil.

#### Threats are real and inevitable—heg key to solve all scenarios for war

**Thayer 06** (Bradley A., Assoc Prof in Dept of Defense and Strategic Studies at Missouri State U, Nov/Dec ‘6, The National Interest, l/n)

A grand strategy based on American primacy means ensuring the United States stays the world's number one power the diplomatic, economic and military leader… As a witness to the failed alternative economic systems, Lal is one of the strongest academic proponents of American primacy due to the economic prosperity it provides.

#### Primacy has resulted in the lowest level of war in history – best statistics prove

**Owen 11** [John Owen, Associate professor in the University of Virginia's Department of Politics, recipient of fellowships from the Olin Institute for Strategic Studies at Harvard, and the Center for International Security and Cooperation at Stanford, and the Center of International Studies at Princeton, PhD in international relations from Harvard, February 11, 2011, “Don’t Discount Hegemony, [www.cato-unbound.org/2011/02/11/john-owen/dont-discount-hegemony/](http://www.cato-unbound.org/2011/02/11/john-owen/dont-discount-hegemony/)]

Andrew Mack and his colleagues at the Human Security Report Project are to be congratulated… What we call globalization is caused in part by the emergence of the United States as the global hegemon.

#### And Thus the Plan:

#### Text: The United States federal government should authorize the licensing of American companies to participate in the development of Cuba’s sugar ethanol industry and allow Cuban sugar ethanol imports.

### Contention Three is Solvency

#### Joint ventures jumpstart the Cuban ethanol energy industry

**Alonso-Pippo et al 08** [Walfrido Alonso-Pippo- former Vice-President of the Solar Energy Department at the University of Havana and a former member of the Cuban National Renewable Energies Front, where he was a specialist in biomass energy use, Carlos A. Luengo, John Koehlinger, Pierto Garzone, Giacinto Cornacchia, “Sugarcane energy use: The Cuban case,” Energy Policy, Vol. 36, Issue 6, June 2008, <http://www.sciencedirect.com/science/article/pii/S0301421508000840>]

The rise of the price of oil above 80 USD/bbl. provides an incentive for the development of sugarcane bioenergy through both ethanol fuel production and surplus electricity surplus cogeneration in Cuba… What has been argued though is that, despite the prolonged decline outlined above, the Cuban sugar industry nonetheless remains well-positioned to participate in the growing global movement toward the development of sugarcane as a viable alternative source of energy.