### Plan

#### Plan: The President of the United States should issue an executive order authorizing the licensing of American companies to participate in the development of Cuba’s sugar ethanol industry and allowing Cuban sugar ethanol imports.

### Contention 1 – Warming

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

Muller 12

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

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

AND

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 Clark3-13**-**2012[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”, <http://theconversation.edu.au/state-of-the-climate-2012-5831>]

Carbon dioxide (CO2) emissions account for about 60%

AND

e observed CO2 increase is the combustion of fossil fuels.

#### Climate change will be too fast to adapt, and even if adaptation was possible – non-linear impacts disrupt the process

Mazo 2010 [Jeffrey Mazo, Managing Editor, Survival and Research Fellow for Environmental Security and Science Policy at the International Institute for Strategic Studies in London, 3-2010, “Climate Conflict: How global warming threatens security and what to do about it,” pg. 29]

This latter aspect, the rate of change, is a critical

AND

numbers of refugees and internally displaced persons.4

#### Positive feedbacks ensure runaway warming, causes extinction

Speth 2008[James, dean of the Yale School of Forestry and Environmental Studies at Yale University, New Haven, Connecticut. Currently he serves the school as the Carl W. Knobloch, Jr. Dean and Sara Shallenberger Brown Professor in the Practice of Environmental Policy, The Bridge @ the Edge of the World, pg. 26]

The possibility of abrupt climate change is linked to

AND

exterminate a large fraction of species on the planet.

**Failure to cut fossil fuels in the next 20 years puts us past the tipping point**

**Leahy, ’11** (Stephen, Independent environmental journalist for 16 years, “Permafrost Melt Soon Irreversible Without Major Fossil Fuel Cuts”, Feb 21, <http://www.countercurrents.org/leahy210911.htm>, CMR)

UXBRIDGE - Thawing permafrost is threatening to

AND

of permafrost in Alaska, Canada, Siberia and parts of Europe becomes a major new source of carbon emissions

#### 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>, HM]

We're not yet committed to surpassing 2°C global warming,

AND

to the climate change consequences we have discussed here (Figure 4).

**Unchecked C02 levels acidifies the oceans – kills all marine life**

**Koebler 8/1**/12 – science and technology reporter for U.S. News & World Report (Jason, “NOAA: Oceans' Reefs at Risk From Carbon Emissions”, http://www.usnews.com/news/articles/2012/08/01/noaa-oceans-reefs-at-risk-from-carbon-emissions, CMR)

Not all carbon emissions find their way into Earth's atmosphere—

AND

**the food chain**," he says. "At some point, [reefs] are endangered. We're not too far away from that."¶

**Extinction**

Kristof 6 (NICHOLAS D. KRISTOF, American journalist, author, op-ed columnist, and a winner of two Pulitzer Prizes, “Scandal Below the Surface”, Oct 31, 2006, http://select.nytimes.com/2006/10/31/opinion/31kristof.html?\_r=1, CMR)

If you think of the earth’s surface as a great beaker,

AND

noted yesterday, spending on energy research and development has fallen by more than half, after inflation, since 1979.

#### And, it independently kills plankton

Cheng**,** Ph.D, associated professor at the University of Texas,2007(Victoria. July. Keystone Species Extinction Overview. http://www.arlingtoninstitute.org/wbp/species-extinction/443)

Plankton is a blanket term for many species of microorganisms

AND

then the entire ocean system will be threatened.

#### Extinction – oxygen depletion and food chains

UPI **June 6,** 2008 (http://www.upi.com/Energy\_Resources/2008/06/06/Acidic\_oceans\_may\_tangle\_food\_chain/UPI-84651212763771/print/)

Increased carbon levels in ocean water could have devastating impacts on

AND

like Bishop. "We would lose everything," he told UPI.

### Contention 2 – Solvency

#### XO solves

Propst 2011

[Stephen, Hogan Lovells US LLP, “Presidential Authority To Modify Economic Sanctions

Against Cuba”, http://www.hoganlovells.com/files/Publication/57d34e80-51b8-4ee0-ae64-750f65ee7642/Preview/PublicationAttachment/55896b90-840a-42bf-8744-752a7a206333/Cuba%20Aritcle%20FINAL.pdf]

The provisions of the CACR in effect in March 1996 and codified

AND

designers, free lance writers, composers, architects and consultants.

#### Cuban sugarcane revival solves. It slows warming and reduces emissions.

González 10 (Dr. Amando Nova González, professor of economics and researcher at the Center for the Study of the Cuban Economy at the University of Havana, “Cuban Agriculture and Necessary Transformations,” Woodrow Wilson International Center for Scholars, Latin America Program, October 2010, http://www.cubastudygroup.org/index.cfm/files/serve?File\_id=1fbc5ca3-714e-41d1-ac33-0dc7eb52228a)

The agricultural sector is also important from the¶ point

AND

s of pure oxygen, in what is known as the¶ “forest effect."

#### Cuban ethanol will slow climate change

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

AND

world by reducing the speed of global climate change. n56¶

#### Sugar ethanol reduces emissions

UNICA 10 (UNICA, the leading trade association for the sugarcane industry in Brazil, “EPA Reaffirms Sugarcane Biofuel is Advanced Renewable Fuel with 61% Less Emissions than Gasoline”, Sweeter Alternative, a web site developed by UNICA that focuses on renewable energy options, 2/3/10, http://sweeteralternative.com/for-media/press-releases/epa-reaffirms-sugarcane-biofuel-is-advanced-renewable-fuel-with-61-less-emissions-than-gasoline//HZ)

The U.S. Environmental Protection Agency (EPA) has confirmed that ethanol

AND

, over 600 million tons of CO2 emissions have been avoided thanks to the use of ethanol in Brazil.

#### Prevents the destruction of the grasslands – it's a key carbon sink

**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>]

Increased corn production is degrading two environmentally

AND

fossil fuel-based gasoline with corn-based ethanol. n89

#### 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 n111 is largely beyond the scope of this Article. Still, the primary issue in this dispute is worth noting,

AND

to sugarcane-based ethanol grown in Cuba as one of the most environmentally friendly biofuels possible.¶

#### Cerrado’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¶

AND

be nearly double¶ the figure given by the Intergovernmental Panel on Climate Change (2000), at some¶ 265 tonnes of carbon per hectare.33

#### Cuban sugar based ethanol is essential to replace oil based fuel—it’s the best solution for a transition away from oil-based fuel dependence—allowing access to the U.S. market is key

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 United States of America cannot afford to bet our long-term prosperity and

AND

, at the very least, deserves much greater consideration and evaluation than it has thus far received.

### Contention 3 - Warming Outweighs

#### Err aff on probability – risks of major war are almost ZERO

Fettweis 2006

[Christopher, National Security Decision Making Department, US Naval War College, “A Revolution in International Relation Theory: Or, What If Mueller Is Right?” International Studies Review (2006) 8, 677–697]

The obsolescence-of-major-war argument is familiar enough to need little introduction (Mueller 1989, 1995, 2004;

AND

perhaps scholars should ask why anyone should believe that it could not.

#### No nuclear war – deterrence

Tepperman 2009

[Deputy Editor at Newsweek. Frmr Deputy Managing Editor, Foreign Affairs. LLM, i-law, NYU. MA, jurisprudence, Oxford. (Jonathan, Why Obama Should Learn to Love the Bomb, <http://jonathantepperman.com/Welcome_files/nukes_Final.pdf>, CMR]

The argument that nuclear weapons can be agents of peace as well as

AND

hi and Islamabad face to face with a nuclear holocaust, and leaders in each country did what they had to do to avoid it.

#### Miscalc is impossible

Quinlan 2009

(Sir Michael, visiting professor at King's College London, Permanent Under-Secretary at the Ministry of Defence and former senior fellow at the International Institute of Strategic Studies, “Thinking About Nuclear Weapons: Principles, Problems, Prospects,” Oxford University Press, CMR)

One special form of miscalculation appeared sporadically in the speculations of

AND

explicit communication if necessary—that there was no misinterpretation of its conventionally armed launch.

#### Interdependence checks

Deudney 2009

(Daniel Prof of Pol Sci, and Ikenberry, Prof of International Affairs, and John, Prof of Pol Sci at John Hopkins and Prof of International Affairs at Princeton, “Why Liberal Democracy Will Prevail” <http://www.nwc.navy.mil/events/csf/readings/AutocraticRevival.aspx>, CMR)

This bleak outlook is based on an exaggeration of recent

AND

is far more primed for peace than the autocratic revivalists acknowledge.

#### Nuclear war doesn’t cause extinction

**Socol 2011**

Yehoshua (Ph.D.), an inter-disciplinary physicist, is an expert in electro-optics, high-energy physics and applications, and material science and Moshe Yanovskiy, Jan 2, “Nuclear Proliferation and Democracy”, http://www.americanthinker.com/2011/01/nuclear\_proliferation\_and\_demo.html, CMR

Nuclear proliferation should no longer be treated as an unthinkable nightmare

AND

reality will most probably contain fewer nuclear-possessing states than the former.

**No nuke winter - studies**

Seitz 2011

(Russell, Harvard University Center for International Affairs visiting scholar, “Nuclear winter was and is debatable,” Nature, 7-7-11, Vol 475, pg37, accessed 9-27-11, CMR)

Alan Robock's contention that there has been no real scientific debate about the 'nuclear winter'

AND

small as to call the very term 'nuclear winter' into question.

#### Counterforce targeting checks

Mueller 2009

(John, Woody Hayes Chair of National Security Studies and Professor of Political Science at Ohio State University. “Atomic Obsession: Nuclear Alarmism from Hiroshima to Al-Qaeda” p. 8)

To begin to approach a condition that can credibly

AND

that from 2 to 20 million, depending mostly on wind, weather, and sheltering, would perish during the first month.

**Intervening actions check escalation**

Trachtenberg 2000

(Prof of History, Pennsylvania (Marc, The "Accidental War" Question, http://www.sscnet.ucla.edu/polisci/faculty/trachtenberg/cv/inadv(1).pdf, CMR)

The second point has to do with how much risk there really is in situations

AND

minor provocations from leading directly to general war.

#### A small chance of solving existential risk outweighs every other impact

Bostrom, Faculty of Philosophy at Oxford University, 2012

(Nick, Global Policy, “Existential Risk Prevention as Global Priority,” Volume 4, Issue 1, p. 15-31, EB)

But even this reflection fails to bring out the seriousness of existential risk

AND

point is worth a hundred billion times as much as a billion human lives.

#### Unilateral action avoids the politics DA – doesn’t spend political capital.

Howell, Associate Professor of Government @ Harvard University, 5 (William G., Associate Professor of Government @ Harvard University, “Unilateral Powers: A Brief Overview,” *Presidential Studies Quarterly*, 35, no. 3, September, p. 421)

The actions that Bush and his modern

AND

)¶ to overturn

him, the president can be confident that his policy will stand.

**Our focus on environmental apocalypticism is key to action**

**Romm ‘12**

[Joe, PhD in Physics from MIT “Apocalypse Not: The Oscars, The Media And The Myth of ‘Constant Repetition of Doomsday Messages’ on Climate”, http://thinkprogress.org/romm/2012/02/26/432546/apocalypse-not-oscars-media-myth-of-repetition-of-doomsday-messages-on-climate/#more-432546]

**The** two **greatest myths about** global **warming communications are 1) constant**

**AND**

**and to the treatment of this as a nonissue by most of the rest of the media, intelligentsia and popular culture**.