# T

…

#### R&D isn’t T

#### Violates Energy production---it’s pre-production

Koplow 4 Doug Koplow is the founder of Earth Track in Cambridge, MA. He has worked on natural resource subsidy issues for 20 years, primarily in the energy sector "Subsidies to Energy Industries" Encyclopedia of Energy Vol 5 2004www.earthtrack.net/files/Energy%20Encyclopedia,%20wv.pdf

3. SUBSIDIES THROUGH THE FUEL CYCLE

Because no two fuel cycles are exactly the same, examining subsidies through the context of a generic …

the energy resource to the point of final use, and accident risks.

#### Violates incentives---they have to provide money to the private sector---r&D is distinct

CCES 9 Center for Climate and Energy Solutions (also called c2es) “Buildings and Emissions: Making the Connection” No specific date dated, most recent citation from 2009 www.c2es.org/technology/overview/buildings

Policy Options to Promote Climate-Friendly …

 software and computer-based building analysis.

#### Voting issue for limits and ground---creates an unmanageable topic of new speculative tech via government research that doesn’t interact with the market

# States

#### The State and Territorial Governments in the Department of Energy’s Experimental Program to Stimulate Competitive Research should establish a matching funds program to build Liquid Fluoride Thorium Nuclear Reactors in its National Laboratories

#### EPSCoR allows state collaboration with national labs on energy research

DOE, 3-16-2011, “Experimental Program to Stimulate Competitive Research,” EPSCoR, http://science.energy.gov/bes/epscor/about/

Overview: DOE EPSCoR is located in the Office of Science and …

coupled with the research part of the program.

# SMRs

#### TEXT: The United States Federal Government should reduce restrictions on the development and licensing of and provide financial incentives for the development of small modular light-water reactors.

#### The CP jumpstarts US SMRs

Freed et al 10 Josh, Director of the Third Way Clean Energy Program, Elizabeth Horwitz, Policy Advisor at Third Way’s Clean Energy Program, and Jeremy Ershow, formerly a Policy Advisor at Third Way, September, "Thinking Small On Nuclear Power", content.thirdway.org/publications/340/Third\_Way\_Idea\_Brief\_-\_Thinking\_Small\_On\_Nuclear\_Power.pdf

THE PROBLEM¶ We don’t have sufficient clean …

within a decade domestically22 and go global soon after.

# Politics

#### CIR will pass

PRESTON 1 – 12 – 13 NYT Staff [Julia Preston, Obama Will Seek Citizenship Path in One Fast Push, <http://www.nytimes.com/2013/01/13/us/politics/obama-plans-to-push-congress-on-immigration-overhaul.html?_r=0>]

President Obama plans to push Congress to …

, saying it was one of the “difficult missions” the country must take on.

#### Thorium causes massive backlash

Niiler 12 Eric is a health and science writer at the Washington Post. “Nuclear power entrepreneurs push thorium as a fuel,” Feb 20, http://www.washingtonpost.com/national/health-science/nuclear-power-entrepreneurs-push-thorium-as-a-fuel/2011/12/15/gIQALTinPR\_story.html?wprss=rss\_national

Although the idea of thorium power has been …

 investors are eager to gamble on an unfamiliar technology.

#### Capital key

SHIFTER 12 – 27 – 12 PRESIDENT of the Inter-American Dialogue & adjunct professor of Latin American politics at Georgetown University’s School of Foreign Service [Michael Shifter, Will Obama Kick the Can Down the Road?, <http://www.thedialogue.org/page.cfm?pageID=32&pubID=3186>]

Not surprisingly, Obama has been explicit that …

desperately needed -- would take away energy and time from other priorities like immigration.

#### Shortage of skilled workers in cyber fields undermines defense against attacks.

Reuters, 6/13/2012. “Experts warn of shortage of U.S. cyber pros,” http://www.reuters.com/article/2012/06/13/us-media-tech-summit-symantec-idUSBRE85B1E220120613.

Leading cyber experts warned of a shortage …

enough math and science graduates.

#### Cyberterrorists will obtain or launch nukes – guarantees great power escalation.

Jason Fritz, July 2009. Researcher for International Commission on Nuclear Nonproliferation and Disarmament, former Army officer and consultant, and has a master of international relations at Bond University. “Hacking Nuclear Command and Control,” <http://www.icnnd.org/latest/research/Jason_Fritz_Hacking_NC2.pdf>.

This paper will analyse the threat of cyber terrorism in regard to …

 command and control centres directly.

# Kazak

#### Undermines global uranium demand.

I.B Lambert, 2012. Geoscience Australia, Secretary General 34th IGC. “Global Uranium And Thorium Resources: Are They Adequate To Satisfy Demand Over The Next Half Century?” Geophysical Research Abstracts, Vol 14, meetingorganizer.copernicus.org/EGU2012/EGU2012-2544.pdf.

This presentation will consider the adequacy of global …

resource base over the next half century.

#### That destroys Kazakh economic modernization.

Gregory Gleason, 12/14/2011. Professor at the University of New Mexico and the George C. Marshall European Center for Security Studies. “KAZATOMPROM LOOKS EAST,” Central Asia Caucasus Institute Analyst, http://cacianalyst.org/?q=node/5683/print.

BACKGROUND: Kazakhstan’s …

market in Asia, focusing on China, India, Japan and Korea.

#### Kazakh economic development is a key model for Central Asia—instability would spread and trigger Central Asian conflict.

Margarita Assenova et al, 2008. Director of Institute for New Democracies @ CSIS; with Natalie Zajicova, Program Officer (IND); Janusz Bugajski, CSIS NEDP Director; Ilona Teleki, Deputy Director and Fellow (CSIS); Besian Bocka, Program Coordinator and Research Assistant (CSIS). “Kazakhstan’s Strategic Significance,” CSIS Institute for New Democracies, http://eurodialogue.org/Kazakhstan-Strategic-Significance.

The decision by the Organization for Security and …

Kazakhstan has played a major role in exporting capital to its neighbors.

#### Central Asia conflict will escalate to US-Russian nuclear war—network-centric warfare compresses decision-making times and triggers miscalculation.

McDermott 11—Roger McDermott, Honorary senior fellow, department of politics and international relations, university of Kent at Canterbury and senior fellow in Eurasian military studies, Jamestown Foundation [December 6, 2011, “General Makarov Highlights the “Risk” of Nuclear Conflict,” Eurasia Daily Monitor, http://www.jamestown.org/programs/edm/single/?tx\_ttnews%5Btt\_news%5D=38748&tx\_ttnews%5BbackPid%5D=27&cHash=dfb6e8da90b34a10f50382157e9bc117]

In the current election season the Russian media has …

much tougher bone than the old dogs of the Cold War would wish to chew on.

# Prolif

### Conventional War

#### Prolif decreases the risk of war—robust statistical, empirical evidence proves.

Asal and Beardsley 7 (Victor, Assistant Prof. Pol. Sci.—SUNY Albany, and Kyle, Assistant Prof. Pol. Sci.—Emory U., Journal of Peace Research, “Proliferation and International Crisis Behavior,” 44:2, Sage)

As Model 1 in Table IV illustrates, all of our variables are …

 for the explanations provided in this study.

#### New proliferators will build small arsenals which are uniquely stable.

Seng 98 (Jordan, PhD Candidate in Pol. Sci.—U. Chicago, Dissertation, “STRATEGY FOR PANDORA'S CHILDREN: STABLE NUCLEAR PROLIFERATION AMONG MINOR STATES,” p. 203-206)

However, this "state of affairs" is not as dangerous as it might …

unambiguous decision to press that button.

#### Prolif will be slow.

Tepperman 9 (Jonathon, former Deputy Managing Ed. Foreig Affairs and Assistant Managing Ed. Newsweek, Newsweek, “Why Obama should Learn to Love the Bomb,” 44:154, 9-7, L/N)

The risk of an arms race--with, say, other …

 the way that bombs tend to mellow behavior.

### CBW Shift—1NC

#### Solving nuclear prolif causes a shift to bio-weapons

Cordesman 2k [Anthony, Senior Fellow for Strategic Assessment—CSIS, Federal News Service, 3-28, L/N]

New, critical technologies are escaping our control One of …

proliferation into other weapons systems and modes of delivery.

#### Bioweapons are comparatively worse than nuclear war—causes extinction and turns the case

Singer 1— Clifford Singer, Director of the Program in Arms Control, Disarmament, and International Security at the University of Illinois at Urbana—Champaign [Spring 2001, “Will Mankind Survive the Millennium?” The Bulletin of the Program in Arms Control, Disarmament, and International Security, University of Illinois at Urbana-Champaign, 13.1, http://www.acdis.uiuc.edu/research/S&Ps/2001-Sp/S&P\_XIII/Singer.htm]

In recent years the fear of the apocalypse (or religious hope for it) has …

connected human family may be in question when and if this is [[1]](#footnote-1)achieved.

### Nuke terror

#### Don’t solve terror attacks on nuclear reactors – no ev that Thorium reactors are terror resistant

#### No impact---super unlikely

Schneidmiller 9(Chris, Experts Debate Threat of Nuclear, Biological Terrorism, 13 January 2009, http://www.globalsecuritynewswire.org/gsn/nw\_20090113\_7105.php)

There is an "almost vanishinglysmall" likelihood that …

out the bomb, and that it would be difficult to build a weapon or use one that has been stolen.

#### Terrorists don’t have the technical know-how or resources for nuclear weapons

Umana 11 – Felipe Umana is a contributor to Foreign Policy In Focus, from the Institute for Policy Studies. August 17, 2011, "Loose Nukes: Real Threat?" http://www.fpif.org/articles/loose\_nukes\_real\_threat

Actors seeking to acquire an atomic weapon – or the …

enrich uranium, or the storage facilities to contain the material.

# Water

### Exports

#### Nuclear renaissance solves water and warming advantages – those nuclear reactors should be sufficient

#### Export regulations take out the whole aff

Platts, 10/1/2012. “Export reform needed to increase US nuclear market share: NEI,” http://www.platts.com/RSSFeedDetailedNews/RSSFeed/ElectricPower/6666149.

Export controls on technology related to nuclear power should be …

" of permission for the export because the buyer looks elsewhere, he said.

### 1NC—Water Wars

#### No water wars—their ev is hype.

Katz 11—Lecturer of Geography and Environmental Studies @ University of Haifa [Dr. David Katz (PhD in Natural Resource Policy & MA in Applied Economics @ University of Michigan), “Hydro-Political Hyperbole: Examining Incentives for Overemphasizing the Risks of Water Wars,” Global Environmental Politics, Volume 11, Number 1, February 2011, pp. 12-35]

Evidence and Perception

In sum, despite some instances of violent conflict over water, …

and help to evaluate such warnings more critically.pg. 17-18 //1nc

#### No water wars AND no impact to water scarcity

Allouche 11—Jeremy Allouche, research Fellow, water supply and sanitation @ Institute for Development Studies, former professor—MIT, PhD in International Relations from the Graduate Institute of International Studies [“The sustainability and resilience of global water and food systems: Political analysis of the interplay between security, resource scarcity, political systems and global trade,” *Food Policy*, Volume 36, Supplement 1, January 2011, Pages S3–S8, Science Direct]

The question of resource scarcity has led to many …

base to substantiate the connections is thin ( [Barnett and Adger, 2007] and [Kevane and Gray, 2008]).

# Warming

### Ice age

#### Alt causes to emissions – transportation sector, oil, and agriculture

#### Global cooling is coming

Daily Mail 11 [June 16, 2011, “Earth facing a mini-Ice Age 'within ten years' due to rare drop in sunspot activity,” http://www.dailymail.co.uk/sciencetech/article-2003824/Earth-facing-mini-Ice-Age-years-rare-drop-sunspot-activity.html#ixzz1bLgjbGi2]

The sun is heading into an unusual and extended …

an extended vacation - at the same time as cool periods on Earth.

#### And warming key to solve ice age extinction

Hoyle 1 [Fred and Chandra Wickramashinge, School of Mathematics @ Cardiff U., Astrophysics and Space Science, “Cometary Impacts and Ice-Ages”, Vol. 275, No. 4, March, Springer] GENDER PARAPHRASED

The 18O/16O analysis of Greenland ice cores shows that an immense …

unless ~~Man~~ [humans] finds an effective way to maintain a suitably large greenhouse effect.

### Co2 fert

CO2 boosts plant performance and prevents mass starvation—avoids extinction

Singer, PhD physics – Princeton University and professor of environmental science – UVA, consultant – NASA, GAO, DOE, NASA, Carter, PhD paleontology – University of Cambridge, adjunct research professor – Marine Geophysical Laboratory @ James Cook University, and Idso, PhD Geography – ASU, ‘11

Regarding the first of these requirements, Tilman et al. note that …

all of Earth‘s plants is almost universally promoted by atmospheric CO2 enrichment.

### Impact D

Warming won’t cause extinction

Barrett, professor of natural resource economics – Columbia University, ‘7

(Scott, Why Cooperate? The Incentive to Supply Global Public Goods, introduction)

First, climate change does not threaten the …

we would have done much more about it by now.

### Solvency

Existing carbon triggers the impact

Daniel **Rirdan 12**, founder of The Exploration Company, “The Right Carbon Concentration Target”, June 29, <http://theenergycollective.com/daniel-rirdan/89066/what-should-be-our-carbon-concentration-target-and-forget-politics?utm_source=feedburner&utm_medium=feed&utm_campaign=The+Energy+Collective+%28all+posts%29>

James Hansen and other promi­nent cli­ma­tol­o­…

to do it in reverse—hundreds of bil­lions of tons of that stuff.

#### Replacing every coal plant isn’t enough to solve—neither is the aff.

Rapier 12—Chief Technology Officer at Merica International—a Renewable Energy Company, Master’s in Chemical Engineering from Texas A&M University [March 15, 2012, Robert Rapier, Study: Eliminating Coal-Fired Power is Worth 0.2 Degrees in 100 Years, http://www.consumerenergyreport.com/2012/03/05/study-eliminating-coal-fired-power-is-worth-0-2-degrees-in-100-years/]

Who could have dreamed solving climate change would be so easy…

just don’t see how the West can possibly do anything about it.

# 2NC

## Water

#### Only SMR’s solve

IAEA 7 “Economics of Nuclear Desalination: New Developments and Site Specific Studies”, July, <http://www-pub.iaea.org/MTCD/publications/PDF/te_1561_web.pdf>

Seventy percent of the planet is covered with water, but only 2.5% of that is fresh water. Nearly 70% of this fresh …

 avoided through the use of nuclear energy.

## Warming

#### Nuclear inevitable globally but won’t solve warming until the US develops SMR’s

Shellenberger 9/11 – et al and Ted Nordhaus—co-founders of American Environics and the Breakthrough Institute a think tank that works on energy and climate change – AND – Jesse Jenkins-Director of Energy and Climate Policy, the Breakthrough Institute (Michael, Why We Need Radical Innovation to Make New Nuclear Energy Cheap, thebreakthrough.org/index.php/programs/energy-and-climate/new-nukes/)

Arguably, the biggest impact of Fukushima on the nuclear debate, ironically, has …

developing the nuclear technologies we will need to get that job done.

#### SMRs are flexible and can be used to replace coal

Colvin 11—Joe Colvin, President, American Nuclear Society, June 7, 2011, TESTIMONY BEFORE THECOMMITTEE ON ENERGY AND NATURAL RESOURCESUNITED STATES SENATE<http://theenergycollective.com/ansorg/58930/ans-president-joe-colvin-testifies-about-smr-legislation>

The ANS and its membership believe that the development of a new …

, thereby simplifying the installation process.

## AT: Perm do both

#### Thorium would out-compete LWRs.

Megan Wait, 2/25/2011. “Thorium could trigger a nuclear renaissance, given its many advantages over uranium,” Mining Weekly, http://www.miningweekly.com/article/thorium-could-trigger-nuclear-renaissance-given-its-many-advantages-over-uranium-2011-02-25.

Mulder differs: “The cost of mining thorium and …

least enough thorium reserves to last about 4 500 years.

## AT: Uranium Shortages

#### No uranium shortage---best studies prove their ev is bogus

Hoffman 10 Doug L, The Resilient Earth, "MIT Report Disputes Uranium Shortage Fallacy", October 22, www.theresilientearth.com/?q=content/mit-report-disputes-uranium-shortage-fallacy

One of the arguments used by critics of nuclear …

the availability of uranium will not be a constraint.

#### False.

Dr Tom O’Flaherty, May/June 2011. Chartered Engineer, FIEI, FIET, is the former CEO of the Radiological Protection Institute of Ireland. “Is Uranium a sustainable resource?” The Engineeers Journal, http://engineersjournal.ie/issues/mayjune2011/articles/isuraniumasustainableresource/.

After peak oil, ‘peak’ uranium? …

still too early to permit any precise estimate of the total reserves that will be recoverable at an economic cost.

#### Seawater extraction makes uranium functionally infinite.

Charles Barton, 4/25/2012. Energy blogger. “Uranium is a Renewable Resource,” The Nuclear Green Revolution, http://nucleargreen.blogspot.com/2012/04/uranium-is-renewable-resource.html.

Nuclear power is often contrasted with so …

sea water is for all practical purposes, inexhaustible.

# Prolif

### 2NC Conventional War

#### Conventional war outweighs—

#### Benefits outweigh the costs 40 to 1.

de Mesquita and Riker 82 (Bruce Bueno and William, Dept. Pol. Sci.—Rochester, Journal of Conflict Resolution, “An Assessment of the Merits of Selective Nuclear Proliferation”, Vol. 26, No. 2, p. 302-303)

One might object further. Conceding that the …

encouraged where the marginal effect was otherwise.

#### Same effect as nuclear war

Jianguo 95—Major General, frmr assoc. prof and Dean of the Antichemical Warfare Academy [Wu, Nuclear Shadows on High-Tech Warfare, http://www.fas.org/nuke/guide/china/doctrine/jianguo.htm]

What merits our attention is that in a high-tech …

in very serious consequences.

### 2NC Framing Cards

#### The framing question of the debate is not whether there is a risk prolif breaks down—it’s whether or not a world of prolif is more peaceful—default neg on the record of nuclear peace.

Sechser 5 (Todd, Assistant Prof. Politics specializing in International Security—Stanford U., “How Organizational Pathologies Could Make Nuclear Proliferation Safer”, Presented at the annual conference of the Midwest Political Science Association, 4-7, \*I had to ILL this. I don’t think it’s available online)

A second counterargument to the optimist position …

 triggered by military biases) were indeed in operation.

### 2NC War Defense

#### And proliferators won’t be aggressive—

#### Prolif decreases war and encourages rationality

Shen 11—Simon Shen, IR prof @ Hong Kong Inst of Ed. [2011, “Have Nuclear Weapons Made the DPRK a Rogue State?” J. of Comparative Asian Development, v. 10, iss. 2, t&f]

In our traditional mentality, the determination to …

be elicited. This helps exclude the option of using nuclear weapons for the mere purpose of interest maximization.

#### Deterrence breakdowns don’t cause full-scale nuclear war

Waltz 3 Kenneth, Emeritus Professor of Political Science at UC Berkeley and Adjunct Senior Research Scholar at Columbia University, The Spread of Nuclear Weapons: A Debate Renewed, p. 34-35

States are deterred by the prospect of suffering …

atomic bombs by the United States during World War II.

#### Uncertainty makes costs of war too high—nuclear weapons deter all military aggression

Karl 96 (David, PhD in International Relations from USC, *International Security*, “Proliferation Pessimism and Emerging Nuclear Powers,” Vol. 21, No. 3, Winter, p. 95-96)

Optimists have relaxed views of the preventive-war dangers …

the aggressor cannot be sure of the reaction of other nuclear powers."28

### 2NC—Bioweapons O/V

#### Bioweapons comparatively outweigh war—

#### B. Control

Ochs 2—Richard Ochs, member of the Baltimore Emergency Response Network and founding chairman of the Students for a Democratic Society in 1964 at the University of Maryland in College Park [June 9, 2002, “Biological Weapons Must Be Abolished Immediately,” http://www.freefromterror.net/other\_articles/abolish.html]

Of all the weapons of mass destruction, …

the Middle Ages would be small in comparison to the potential damage bioweapons could cause.

#### C. Geography

Washington Times 8 [“Worse than nuclear threat” http://www.washingtontimes.com/news/2008/jul/10/worse-than-nuclear-threat/]

Of the three sorts, biological weapons might be the …

carried hundreds, if not thousands, of miles. But the image of a nuclear blast carries greater impact psychologically.

#### Recent technology advances make bioweapons dangerous

**Garrett, 12/15**/11 [Laurie Garrett is senior fellow for global health at the Council on Foreign Relations, recipient of the 1996 Pulitzer Prize for her coverage of the Ebola epidemic in what was then Zaire, and author of I Heard the Sirens Scream: How Americans Responded to the 9/11 and Anthrax Attacks. “The Bioterrorist Next Door”. <http://www.foreignpolicy.com/articles/2011/12/14/the_bioterrorist_next_door?page=0,0>]

In September, an amiable Dutchman stepped up to the podium at a scientific meeting convened on the island of Malta and announced that he had created a form of influenza that …

due to the post-2001 anthrax-inspired proliferation of high-security biological laboratories?

#### This spreads globally

**Kellman 8** (Barry Kellman is the director of the International Weapons Control Center, “Bioviolence: A Growing Threat”, The Futurist, May-June 2008, http://www.wfs.org/March-April09/MJ2008\_Kellman.pdf)

A looming danger confronts the world—the threat of …

could **have dire consequences for all humanity.**

## Terrorism

#### No missing nukes – they would have been used already

Associated Press 12 – Vladimir Isachenkov, reporter for the Associated Press, January 9, 2012, "How Threat of Loose Soviet Nukes Was Avoided," http://www.military.com/news/article/how-threat-of-loose-soviet-nukes-was-avoided.html

There have been gnawing fears that a few …

been maintained in a secure way."

#### No terror threat

Stephen M. Walt 12, Robert and Renée Belfer professor of international relations at Harvard University, "'America the brittle?'" September 10, Foreign Policy, http://walt.foreignpolicy.com/posts/2012/09/09/inflating\_the\_terrorist\_threat\_again

 According to yesterday's New York Times, assorted "senior …

world organization that had a worse decade than al Qaeda did.

#### No theft and no impact

Gray 9—Associate Note and Comment Editor, Arizona State Law Journal. J.D. Candidate, Sandra Day O'Connor College of Law at Arizona State University, 2009; B.S. Political Science, Arizona State University, 2005 (John, Comment: Choosing the Nuclear Option: The Case for a Strong Regulatory Response to Encourage Nuclear Energy Development, Spring 2009, 41 Ariz. St. L.J. 315, Lexis)

 Nuclear power's opponents also warn that …

from stolen radiation would not be as dangerous as some fear. 122

#### Threat of international response deters nuclear terror

Umana 11 – Felipe Umana is a contributor to Foreign Policy In Focus, from the Institute for Policy Studies. August 17, 2011, "Loose Nukes: Real Threat?" http://www.fpif.org/articles/loose\_nukes\_real\_threat

The threat of military, political, and …

history of economic sanctions, partly because of its nuclear program.

# Water

### Ext Katz—Hype

#### 4. Their authors are academic opportunists—can’t trust their research.

Katz 11—Lecturer of Geography and Environmental Studies @ University of Haifa [Dr. David Katz (PhD in Natural Resource Policy & MA in Applied Economics @ University of Michigan), “Hydro-Political Hyperbole: Examining Incentives for Overemphasizing the Risks of Water Wars,” Global Environmental Politics, Volume 11, Number 1, February 2011, pp. 12-35]

Raise the Profile of the Author or Organization: Similar to the …

particular field of expertise, researchers also expand possibilities for further research collaboration. Pg. 22

#### 5. They are driven by the desire for research funding.

Katz 11—Lecturer of Geography and Environmental Studies @ University of Haifa [Dr. David Katz (PhD in Natural Resource Policy & MA in Applied Economics @ University of Michigan), “Hydro-Political Hyperbole: Examining Incentives for Overemphasizing the Risks of Water Wars,” Global Environmental Politics, Volume 11, Number 1, February 2011, pp. 12-35

Other types of actors also face financial incentives …

increase the likelihood of media exposure. Pg. 22-23

### 2NC—No Water Wars

#### Water wars are a myth—overwhelming empirical evidence

Weinthal and Vengosh 11—\*Erika Weinthal is Associate Professor of Environmental Policy at the Nicholas School of the Environment at Duke University and \*\*Avner Vengosh is a Professor of Geochemistry and Water Quality and chair of the Water and Air Resources program at the Nicholas School of Environment in Duke University [ed. Richard Parker, Marni Sommer, “Water and Conflict,” ch. 26, *Routledge Handbook of Global Public Health*, Taylor & Francis, Feb 1, 2011]

By the end of the twentieth century, it was thus …

 water in the Somali border region.

#### Cooperation over water outweighs—interdependence prevents conflict

Deen 6—Thalif, internationally awarded U.N. bureau chief and editor of the U.N. edition of the IPS journal [“'Water Wars' a Myth, Say Experts,” 8/25/06, Inter Press Service News Agency, http://ipsnews.net/news.asp?idnews=34465]

STOCKHOLM, Aug 25 (IPS)—The world's future wars …

build trust and prevent conflict," argues the study,

# 2NC warming

## 2NC—No Extinction

**Adaptation means no catastrophic impact to warming**

**Kenny 12** [April 9, 2012, Charles, senior fellow at the Center for Global Development, a Schwartz fellow at the New America Foundation, and author, most recently, of Getting Better: Why Global Development Is Succeeding and How We Can Improve the World Even More., “Not Too Hot to Handle,” http://www.foreignpolicy.com/articles/2012/04/09/not\_too\_hot\_to\_handle?print=yes&hidecomments=yes&page=full]

But for all international diplomats appear desperate to affirm the self-…

 is one for the hard-nosed optimist.

## 2NC—No Impact

## AT: Conflicts

#### Statistical studies disprove—no climate conflicts.

Theisen et al. 11 [Ole Magnus, doctoral candidate at the Norwegian University of Science and Technology (NTNU) and Associate Researcher at the Centre for the Study of Civil War (CSCW) at the Peace Research Institute Oslo, Helge Holtermann and Halvard Buhaug, “Climate Wars? Assessing the Claim That Drought Breeds Conflict,” Winter, International Security Vol 36, No 3, p. 79-106, http://www.mitpressjournals.org/doi/pdfplus/10.1162/ISEC\_a\_00065]

Climate change is hot. Twice in recent years, the Nobel Peace …

particularly within the context of policy advice and practice

## AT: Oceans

#### Meta-analysis confirms acidification has only minor effects. And experiments OVERESTIMATE the effects by ignoring adaptation and community effects.

**Hendriks et al ’10** (Iris, C.M. Duarte, and M. Alvarez, Department of Global Change Research – Mediterranean Institute of Advanced Studies, Estuarine, Coastal and Shelf Science, “Vulnerability of marine biodiversity to ocean acidification: A meta-analysis”, 86(2), January)

The meta-analysis of our database, **which** …

associated calcifying organisms from the impacts of ocean acidification.

# kazak

## Impact

### 2NC Impact Overview

#### b. Magnitude—U.S.-Russia conflict is the only existential risk.

Nick Bostrom, 2002. Gannon Award winner, Professor of philosophy at Oxford University. http://www.nickbostrom.com/existential/risks.html.

A much greater existential risk emerged …

e will encounter in the 21st century.

## A2 water t/

#### And, regional integration is key to prevent conflict.

Javad Heydarian, 11/7/2011. University of the Philippines Diliaman, and analyst for Foreign Policy in Focus. “The Economic Cooperation Organization’s Experience: A Comparative Understanding of Regional Integration in West and Central Asia,” APISA 5, [www.apisa5.org/documents/Heydarian.pdf](http://www.apisa5.org/documents/Heydarian.pdf).

Many of the existing regional organizations in …

 interests and strengths of its members. (Heywood 2011)

#### Kazakhstan’s economic growth enables Astana to act as an economic steward for Central Asia—this is the critical linchpin of stability.

Frost 8—Patrick Frost, MA Political Science—NYU [November 13, 2008, “Kazakhstan and the Financial Crisis,” Foreign Policy Association, <http://centralasia.foreignpolicyblogs.com/2008/11/13/kazakhstan-and-the-financial-crisis/>]

Muriel Mirak-Weissbach, a scholar of …

become the linchpin in the region for stability and security.”

## Uniquenss

#### their nuclear renaissance argument is a reason the drop in prices is temporary

#### **Krauth 1-25** [Peter, Money Morning Advisor, "Why uranium prices are at a critical tipping point," http://www.stockhouse.com/columnists/2013/jan/25/why-uranium-prices-are-at-a-critical-tipping-point.aspx#lAbGX2VAmrvMA8kt.99]

For uranium investors, that means the commodity is at a …

getting stronger, which presents a problem since there is already a uranium supply deficit.

#### Prices will be high – prefer predictive evidnece

**Nelson 1-29** [Andrew, "Uranium Up A Little More," http://finance.ninemsn.com.au/newscolumnists/other/8600884/uranium-up-a-little-more]

In fact, Krauth expects the spot uranium …

anium from Russia's decommissioned nuclear weapons.

#### Current drop in uranium is temporary --- increasing demand and upcoming end to M2M guarantees strong rebound.

Jeb Handwerger, 10/18/2012. Gold Stock Trades editor, financial analyst focusing on the metals industry. “Invest in Uranium Stocks and Watch Prices Soar: An Interview with Jeb Handwerger,” Oil Price, http://oilprice.com/Finance/investing-and-trading-reports/Invest-in-Uranium-Stocks-and-Watch-Prices-Soar-An-Interview-with-Jeb-Handwerger.html.

The Energy Report: Jeb, in a September post on …

the secondary supply. We are heading toward an even larger uranium deficit right now.

## Internal link

#### Uranium revenue is critical to growth and diversification.

CNN, 7/18/2012. “Kazakhstan hopes uranium, oil and gas will fuel its future,” http://www.cnn.com/2012/07/18/world/asia/kazakhstan-natural-resources-economy/index.html.

The featureless plains of Kazakhstan belie …

 country upon graduation, is also helping to create a more knowledgeable, young workforce.

#### Uranium is only growing in importance—current demand projections will make it as important as oil to Kazakhstan.

Abrahm Lustgarten, 3/27/2008. Former staff writer and contributor for Fortune, and has written for Salon, Esquire, the Washington Post and the New York Times. “Nuclear power's white-hot metal,” CNN Money, http://money.cnn.com/2008/03/26/news/international/uranium\_kazakhstan.fortune/index.htm.

In Kazakhstan, where the family of President …

-largest production company behind Cameco, providing about 5,000 pounds, or 12% of global supply.

#### High uranium prices critical to fund Kazakh modernization—in the short-term the country is still vulnerable to price fluctuations.

Togzhan Kassenova, 4/28/2008. Senior research associate at the University of Georgia's Center for International Trade and Security in Washington, D.C. Her expertise is in WMD proliferation issues in Central Asia. “Kazakhstan's nuclear ambitions,” Bulletin of the Atomic Scientists, <http://www.thebulletin.org/web-edition/features/kazakhstans-nuclear-ambitions>.

In conclusion, Kazakhstan's nuclear …

of the commodities markets.

#### Kazakhstan diversifying now, but mining revenues still provide the foundation for growth.

Melissa Pistilli, 2/14/2012. Reporting on market-shaking news in the resource and mining investment sector for over five years and has been with the [Investing News Network](http://investingnewsnetwork.com/) since 2008; senior reporter writing for [Lithium Investing News](http://lithiuminvestingnews.com/) and [Uranium Investing News](http://uraniuminvestingnews.com/). “[Central Asia Spotlight: Kazakhstan — Maintaining Stability Key to Untapped Natural Resources](http://resourceinvestingnews.com/31254-central-asia-spotlight-kazakhstan-maintaining-stability-key-to-untapped-natural-resources.html),” Resource Investing News, http://resourceinvestingnews.com/31254-central-asia-spotlight-kazakhstan-maintaining-stability-key-to-untapped-natural-resources.html.

Of the five Central Asian Republics (…

behind China (20.2 percent), help fund this initiative.

## Kazak stability

#### Kazakh modernization and growth are critical to maintain the social contract that holds back public radicalism and instability.

John C. K. Daly, March 2008. Chief analyst at the energy news site Oilprice.com, Ph.D. from the School of Slavonic and East European Studies, University of London, non-resident scholar at the Central Asia-Caucasus Institute at Johns Hopkins University. “Kazakhstan’s Emerging Middle Class,” Silk Road Paper, www.silkroadstudies.org/new/docs/Silkroadpapers/0803Daly.PDF

What is clear at this point is that a decade of …

with which to address its problems.

# Impact d

Above

#### Yes great power interests in Central Asia –it’s changed since weitz ev was written

Arun Sahgal and Vinod Anand, 2010. Senior Fellow at the Institute for Defense Studies and Analyses and ‘Distinguished Fellow’ School of Geo-Politics at the Manipal Academy of Higher Education; and postgraduate in defence and strategic studies and is an alumnus of Defence Services Staff College and College of Defence Management. “Strategic Environment in Central Asia and India,” <http://www.silkroadstudies.org/new/docs/publications/1004Joshi-V-Strategic.pdf>.

The geo-strategic salience of Central …

interfere in their internal affairs.

1. [↑](#footnote-ref-1)