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# Plan – Loan Guarantees

## The United States federal government should substantially increase loan guarantees for small modular thermal reactors.

# Prolif

## Nuclear power will expand globally, even in Japan and Germany. BUT they will be large reactors built outside the US.

**Talbot, Dundee Securities senior mining analyst, 8-14-12**

(David, “Who Will Fill the 24 Million Pound Uranium Supply Gap?: David Talbot”, <http://www.businessinsider.com/who-will-fill-the-24-million-pound-uranium-supply-gap-david-talbot-2012-8>, DOA: 11-5-12, ldg)

The Energy Report: In your last interview, "The …still growth in nuclear power.

## This will result in breakout proliferation-asymmetries undermine deterrence and ensure nuclear war-safeguards are key.

(Fast/breakout, checks US influence, miscalc risk (small difference/opaqueness)

**Sokolski, Nonproliferation Policy Education Center Executive Director, 09**

Henry, June 1, 2009, “Avoiding a Nuclear Crowd”, http://www.hoover.org/publications/policy-review/article/5534, 10/3/12, atl)

Finally, several new nuclear weapons … None of this, however, is inevitable.

## US construction is key to solve-SMR’s would out compete other models and a strong domestic industry ensures maintenance of the global gold standard.

**Miller, Bipartisan Policy Co-Chair for the Nuclear Initiative, 12**

(Dr. Warren F. “Pete” e-, Former DOE Assistant Secretary for Nuclear Energy, Senator Pete Domenici, July 2012, “Challenges and Opportunities Facing Nuclear Energy in the United States”, http://bipartisanpolicy.org/sites/default/files/Leadership%20in%20Nuclear%20Energy%20Markets.pdf, 8/14/12, atl)

Several other countries, by contrast, have … development, and deployment (RD&D) programs.

## The plan causes other suppliers to model US practices-ensures no proliferation.

**Sokolski, Nonproliferation Policy Education Center Executive Director, 11**

(Henry, “The Post-Fukushima Arms Race?”, Foreign Policy, July, 29, 2011,http://www.foreignpolicy.com/articles/2011/07/29/the\_post\_fukushima\_arms\_race?print=yesandhidecomments=yesandpage=full, 10/9/12, atl)

A Japanese decision to resist temptation and …, as it has reluctantly in the past.

## Other countries follow the US lead-ensures they’ll pick SMR’s and implement safety measures

**Lieberman, American Physical Society senior government relations specialist, 11**

(Jodi, November 15, 2011 “Nonproliferation, Congress, and Nuclear Trade: Plus ça change, plus c’est la même chose” http://csis.org/files/publication/111116\_nonproliferation\_congress\_and\_nucleartrade.pdf

U.S. Nonproliferation Influence While 123 agreements …. summit will be held in South Korea in 2012.

## Proliferation causes nuclear war-crisis escalation, aggression, saving face, delegation and launch on warning guarantee it.

Kroenig, Georgetown University Government assistant professor, 12

(Matthew, Assistant Professor of Government at Georgetown University and Stanton Nuclear Security Fellow at Council on Foreign Relations, “The History of Proliferation Optimism: Does It Have A Future?,” 5-26-12, http://www.npolicy.org/article.php?aid=1182andrtid=2, accessed 10-2-12, mtf)

The proliferation optimist position, while having … force less-resolved opponents to back down.

## Nuclear exports in Southeast Asia causes nuclear terrorism and piracy

**CNS, 12**

(Center for Nonproliferation Studies. May 2012. “PROSPECTS FOR NUCLEAR SECURITY PARTNERSHIP IN SOUTHEAST ASIA.” <http://cns.miis.edu/opapers/pdfs/120515_seasia_nuclear_security_partnership.pdf>. Accessed: 9/30/2012. ADC)

Due to the increased flow of nuclear materials … increasing importance on the issue of trade security.

## Extinction

**Morgan, Hankuk University of Foreign Studies, 2009**

(Dennis, World on fire: two scenarios of the destruction of human civilization and possible extinction of the human race Futures, Volume 41, Issue 10, December, ldg)

In a remarkable website on nuclear war, Carol Moore … the accidental or reckless use of strategic weapons

## Status quo nuclear power will be based off Chinese designs-guarantees accidents and meltdowns

**Tu, Carnegie Energy and Climate Program senior associate, 12**

(Kevin Jianjun. “China’s Nuclear Crossroads.” 3-11. <http://carnegieendowment.org/2012/03/11/china-s-nuclear-crossroads>. Accessed: 9/30/2012. ADC)

It’s first important to acknowledge that the … that energy-thirsty China can’t afford to make.

## Nuclear accidents wreck biodiversity

Mousseau, USC biology professor, 2011

(TA, “Conservation consequences of Chernobyl and other nuclear accidents”, Biological Conservation Volume 144, Issue 12, December 2011, Pages 2787–2798, Science Direct, ldg)

The explosion at the Chernobyl nuclear … spread longer distances in species when they are rare.

**Extinction**

**Daily et al, Professor, Department of Biological Sciences Stanford, 7**

(11-19, Gretchen, Senior Fellow, Woods Institute for the Environment Director, Center for Conservation Biology Director, Interdisciplinary Program in Environment and Resources Chair, The Natural Capital Project, “ECOSYSTEM SERVICES: Benefits Supplied to Human Societies by Natural Ecosystems,” <http://www.sierraforestlegacy.org/Resources/Conservation/FireForestEcology/ForestEconomics/Economics-Daily97.pdf>) atw

In addition to the production of goods, **ecosystem ….**. Imagine, for example, human beings trying to colonize the moon.

# Manu

## SMR’s are key to revive domestic manufacturing-robust export market and job creation.

Locatelli and Mancini, Politecnico di Milano Department of Economics, 11

(Giorgio and Mauro, Dept. Management, Economics and Industrial Engineering, "The role of the reactor size for an investment in the nuclear sector: An evaluation of not-financial parameters," Progress in Nuclear Energy Volume 53, Issue 2, March 2011, Science Direct, accessed 9-28-12, mtf)

11. Impact on employment This aspect is …differential and promotes the SMR choice.

## Infrastructure exists now-US can be a first mover and corner the market on SMR’s

Rosner and Goldberg, Energy Policy Institute at Chicago, 11

(Robert and Stephen, The Harris School of Public Policy Studies at the University of Chicago; Contributor: Joseph S. Hezir, Principal, EOP Foundation, Inc. "Small Modular Reactors – Key to Future Nuclear Power Generation in the U.S.," Technical Paper, Revision 1, November 2011, https://epic.sites.uchicago.edu/sites/epic.uchicago.edu/files/uploads/EPICSMRWhitePaperFinalcopy.pdf, accessed 8-6-12, mtf)

As stated earlier, SMRs have the …, and, now rapidly emerging, China

## Manufacturing is set to decline-previous growth strategies are no longer viable

Reuters 10-12-12

(“Moment of truth approaching for U.S. manufacturers”, http://www.reuters.com/article/2012/10/12/us-usa-manufacturing-results-idUSBRE89B07M20121012, DOA: 11-5-12, ldg)

How far can cost-cutting get you … in the first quarter of 2012.

## US is on verge of a double dip recession

Pethokoukis, American Enterprise Institue, 10-26-12

(James, “Weak GDP report shows no end in sight for the Long Recession”, http://www.aei-ideas.org/2012/10/weak-gdp-report-shows-no-end-in-sight-for-the-long-recession/, DOA: 11-5-12, ldg)

The third-quarter GDP report was a … recovery has put the U.S. into a deep, deep hole:

## Global economic crisis causes war---strong statistical support

**Royal, director of Cooperative Threat Reduction at the U.S. Department of Defense, 2010**

(Jedediah, Economics of War and Peace: Economic, Legal, and Political Perspectives, pg 213-215, ldg)

Less intuitive is how periods of economic decline … here should be considered ancillary to those views.

## Manufacturing fuels hegemony and the economy-key to gains in jobs and innovation

**Boushey, Center for American Progress senior economist, 2012**

(Heather, “Testimony before the U.S. House of Representatives Committee on Ways and Meanson Tax Reform and the U.S. Manufacturing Sector”, 7-19, waysandmeans.house.gov/uploadedfiles/boushey\_testimony.pdf, DOA: 11-5-12, ldg)

Having a strong manufacturing industry … fare if those ideas originate somewhere else?”34

## Domestic manufacturing key to maintain robust military capabilities.

**Ezell, ITIF senior analyst, 11**

(Stephen J. “The Case for a National Manufacturing Strategy.” April 2011. <http://www2.itif.org/2011-national-manufacturing-strategy.pdf>. Accessed: 9/29/2012. ADC)

A strong manufacturing base is vital to the … industrial base in the coming decades.”58

## Alternative to heg is nuclear war

**Zhang et al., Carnegie Endowment researcher, 2011**

(Yuhan, “America’s decline: A harbinger of conflict and rivalry”, 1-22, <http://www.eastasiaforum.org/2011/01/22/americas-decline-a-harbinger-of-conflict-and-rivalry/>, DOA: 9-21-11, ldg)

This does not necessarily mean that the US is in … that will inevitably be devoid of unrivalled US primacy.

# S

## Capitalization is key to nuclear commercialization-only the federal government can leverage the funds necessary

Bennett, Vice President for Public Affairs, Third Way, 10

(Matt, Josh Freed is Director of the Third Way Clean Energy initiative, Jeremy Ershow is a Policy Advisor at Third Way, “Breaking the Nuclear Financing Barrier,” February 10, http://content.thirdway.org/publications/265/Third\_Way\_Idea\_Brief\_-\_Breaking\_the\_Nuclear\_Financing\_Barrier.pdf, accessed 9-30-12, ara)

High financing costs stand in the way … President Obama’s 2011 budget request to triple the loan volume.

## SMR’s can be commercialized quickly and are safe-studies prove they have multiple advantages

Kessides and Kuznetsov, World Bank chief economist, 12

(Ioannis N., Development Research Group and The World Bank; and Vladimir, Consultant at The World Bank, "Small Modular Reactors for Enhancing Energy Security in Developing Countries," Sustainability 2012, 4.8, http://www.mdpi.com/2071-1050/4/8/1806/htm, accessed 9-29-12, mtf)

SMRs offer a number of advantages that … characterized by significant economies of scale [19].

## NRC will streamline SMR’s

Sullivan, et al., partner, Hogan Lovells’ LLP, 10

(Mary Anne, partner in Hogan Lovells' energy practice in Washington, D.C., Daniel F. Stenger is a partner in Hogan Lovells' energy practice, Amy C. Roma is a senior associate in Hogan Lovells' energy practice, “Are Small Reactors the Next Big Thing in Nuclear?” 12-21-10, <http://www.elp.com/index/display/article-display/3288852302/articles/electric-light-power/volume-88/issue-6/sections/are-small-reactors-the-next-big-thing-in-nuclear.html>, accessed 9-20-12, ara)

The biggest challenge to getting SMRs … the NRC's initiative through industry working groups.

## SMR’s compete with gas-better risk premium and no volatility

**Rosner, Distinguished Service Professor, Departments of Astronomy and Astrophysics, and Physics – Chicago University, 11**

(Robert e-, Senior Fellow, Computation Institute; Director, Energy Policy Institute; Enrico Fermi Institute; Harris School of Public Policy, Stephen Goldberg, Special Assistant to the Director Argonne National Laboratory, “Small Modular Reactors – Key To Future Nuclear Power Generation In The U.S.”, Energy Policy Institute at Chicago The Harris School of Public Policy Studies, 6/2/12, atl)

In both the 2004 Chicago Study and the current … the debt quality for nuclear power plants.

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# IAEA

## IAEA underfunded now

**Reuters, 12**

(August 13, 2012, “IAEA cash gap may hinder nuke role, report says”, http://www.jpost.com/IranianThreat/News/Article.aspx?id=273708, 10/19/12, atl)

The United Nations' nuclear agency is … member states on a voluntary basis.

# A2: Prolif good

## Short flight times, ongoing disputes, no experience and history isn’t a guide.

**Cimbala, Penn St. Political science professor, 08**

(Stephen J, “Anticipatory Attacks: Nuclear Crisis Stability in Future Asia,” Comparative Strategy, Volume 27, Issue 2 March 2008, pages 113-132, 7/31/11, atl)

The spread of nuclear weapons in Asia … avoidance of war outside of Europe.

# K

## Market approaches to electricity has empirically failed – even if markets are good in some instances, we are an example of where government is necessary

**Barton et al., The University of Waikato Law Staff Directory, 2004**

(Barry, Catherine Ridegwell, Anita Ronne, Donald N. Zillman. “Energy Security in the Twenty-First Century.”Energy Security:Managing Risk in a Dynamic Legal and Regulatory Environment, 461-3, ldg)

In his analysis of electricity markets, Hammer frames … and social control as reasons for state regulation.

## Ethical decisions must be grounded in consequences

**Isaac, political science professor Indiana University, 2002**

(Jeffrey, “Ends, Means, and Politics, Dissent Magazine, Spring 2002, ldg)

Power is not a dirty word or an unfortunate feature … it undermines political effectiveness.

## Specificity outweighs generic epistemology indicts-generic critique doesn’t discount acquired knowledge.

**Kratochwil, European University Institute IR professor, 2009**

(Friedrich, The Puzzle of Politics, pg 200-3, ldg)

In what follows, I claim that the shift in focus … “new and improved” versions of familiar products.

## Purely economic solutions fail – create watered down solutions that make climate change inevitable

**Foster et al., Oregon sociology professor, 2010**

(John, The Ecological Rift: Capitalism’s War on the Earth, pg 108-111, ldg)

Human activities, primarily fossil fuel ... the loss of countless numbers of species.15

# DOD CP

## Perm shields from politics – state delegation makes the plan invisible

Sharpe, Law Professor, University of Illinois, 11

(Jamelle C., Associate Professor of Law and Richard W. and Marie L. Corman Scholar at the University of Illinois College of Law, J.D. from Yale Law School, “Legislating Preemption,” October 2011, l/n, accessed 8-14-12, ara)

From a purely political perspective, … to another branch of government. n76

**DOD alternative energy investment draws Congressional opposition-empirics**

**Wilder, Clean Edge contributing editor, 12**

(Clint, Clean Edge, a research and strategy firm in the San Francisco Bay Area and Portland, Oregon, "On Clean Energy, the Military's Biggest Fight is with Congress," 8-30-12, http://www.renewableenergyworld.com/rea/news/article/2012/08/on-clean-energy-the-militarys-biggest-fight-is-with-congress, accessed 11-3-12, mtf)

The Pentagon has ambitious goals to … too unproven. But every time, we made a better Navy.”

## DOD doesn’t have a big enough market share

**Vilahauer, CSIS energy and national security program, 2011**

(Laura, “Event Summary: Operational Energy Strategy”, 7-15, <http://csis.org/files/attachments/110720_Energy_SummaryL.pdf>, OA: 9-26-12, lgd)

An overarching theme from the …, it is operating in a vacuum.

## Military personal don’t have the knowledge

**Parthemore et al., CNAS Bacevich Fellow, 2010**

(Christine, “Broadening Horizons: Climate Change and the U.S. Armed Forces”, April, <http://www.cnas.org/files/documents/publications/CNAS_Broadening%20Horizons_Carmen%20Parthemore%20Rogers.pdf>, DOA: 9-23-12, ldg)

Many serious complications must be weighed as well. …are most suitable for these purposes.

# Cap And Trade CP

## Cap and trade doesn’t cause innovation-studies prove

**Carlson, UCLA environmental law professor, 2012**

(Ann, “Will California’s Cap and Trade Program Stimulate Innovation?”,[http://legalplanet.wordpress.com/2012/03/28/will-californias-cap-and-trade-program-stimulate-innovation/](http://legalplanet.wordpress.com/2012/03/28/will-californias-cap-and-trade-program-stimulate-innovation/" \t "_blank), DOA: 11-5-12, ldg)

Holly’s latest post about a new study showing … low allowance prices — in each one.

# Politics

## They’ll punt the deal to 2013 – it’s guaranteed and has no economic cost

West, Bloomberg News, 11-9

(Sean, “West: Barack Obama, John Boehner have strong incentives to avoid the fiscal cliff,” 11-9-12, http://www.newsday.com/opinion/oped/west-barack-obama-john-boehner-have-strong-incentives-to-avoid-the-fiscal-cliff-1.4205274, accessed 11-9-12, ara)

There is a large battle to be had over broader deficit reduction, … the middle class back in place next year.

## Failure to pass spending cuts destroys the economy – only path to sustainable growth is to trigger the fiscal cliff

Weston, MSN Money, 11-7

(Lindsey, former personal-finance writer for the Los Angeles Times, graduate of the certified financial planner training program at University of California, Irvine,

“Fiscal cliff takes aim at your wallet,” 11-7-12, http://money.msn.com/personal-finance/fiscal-cliff-takes-aim-at-your-wallet, accessed 11-8-12, ara)

The Tax Policy Center estimates that … to avert the fiscal cliff or to soften its effects.

## No pol cap loss from nuclear

**Hinckley, Georgetown University Energy Policy professor, 11**

(Elias, partner with the law firm of Kilpatrick Townsend & Stockton. “Hard Choices Ahead for US Energy Policy.” June 2011. <http://www.ourenergypolicy.org/wp-content/uploads/2012/03/EHinckley-policy-article.pdf>. Accessed: 10/02/2012. ADC)

What remains unclear is how … developed over the near or midterm.

**SMRs are bipartisan – DOE programs prove**

**Domenici and Miller, Co-chairs of BPC Nuclear Initiative, 12**

(Pete and Warren, Senator, BPC senior fellow, and Former Assistant Secretary for Nuclear Energy, U.S. Department of Energy, “Maintaining U.S. Leadership in Global Nuclear Energy Markets: A Report of the Bipartisan Policy Center’s Nuclear Initiative,” July 2012, Bipartisan Policy Center, page 20, da 8-18-12, <http://bipartisanpolicy.org/sites/default/files/Leadership%20in%20Nuclear%20Energy%20Markets.pdf>, mee)

Strategic Goal: Historically, the …development, and deployment (RD&D) programs.

## Voting no still triggers the links – people will already be polarized

**Obama won’t push**

**Marcus, Washington Post editorial writer specializing in American politics, 11**

(Ruth, "Obama's Leadership: A presidency reminiscent of 'Where's Waldo'," The Oregonian (Portland Oregon), 3-2-11, l/n, accessed 3-3-11, mss)

For a man who won office talking about …White House amid the larger landscape.

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# Cap and Trade

## DOD can’t drive investments-answers economics and perception

**Dimotakis, MITRE Corporation, 2006**

(Paul, “Reducing DoD Fossil-Fuel Dependence”, 12-9, <http://www.fas.org/irp/agency/dod/jason/fossil.pdf>, DOA: 9-23-12, ldg)

The 2006 DoD fossil-fuel budget …, provide poor standards for fuel consumption.

# Ptx

## No impact -

## 1. DOD budget rebound and massive spending

Bennett, Federal Times, ‘12

(“Sequestration might be manageable, experts say” 9-18-12 <http://www.federaltimes.com/article/20120918/DEPARTMENTS01/309180001/Sequestration-might-manageable-experts-say?odyssey=mod%7Cnewswell%7Ctext%7CAdvice%20&%20Opinion%7Cp> accessed: 9-19-12 mlb)

Yet amid all the dramatic rhetoric about those cuts, … by the end of this decade.

## No compromise—ideological differences ensures it’ll be a punt at best

**Viqueira, NBC News, 11/8**

(Mike, November 8, 2012, “The looming 'fiscal cliff' -- cataclysm or compromise?”, http://firstread.nbcnews.com/\_news/2012/11/08/15033299-the-looming-fiscal-cliff-cataclysm-or-compromise?lite, 11/9/12, atl)

While no can say for sure how the …. It's likely to be a mess.

## No impact to cliff – cash flow spread out

Stone, Center on Budget and Policy Priorities, 12

(Chad “ Misguided “Fiscal Cliff” Fears Pose Challenges to Productive Budget Negotiations” 6-18-12 <http://www.cbpp.org/cms/index.cfm?fa=view&id=3788> accessed: 9-20-12 mlb)

The federal budget is expected to … haven't acted by New Year's Day.

## Fukushima spurs support for SMRs

Lorenzini, NuScale Power CEO, 11

(Paul G. Lorenzini is an attorney, nuclear engineer and the CEO and co-founder of NuScale Power, "Nuclear Roundtable: Does US Have Nuclear Future?," Electric Light and Power, 2011, accessed 8-7-12, mtf)

Lorenzini: Somewhat surprisingly, public opinion …carbon production is nuclear power.

## Studies prove Obama won’t push

**Klein, Washington Post political analyst, 12**

(Ezra, "Obama: Polarizing from the middle?" Washington Post, 2-7-12, l/n, accessed 2-12-12, mss)

There are a few answers. One, says Poole, is … **from** most of the **congressional squabbling**.