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### Warming

#### CONTENTION 1: WARMING

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

Shellenberger 12 – 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, 9/11, thebreakthrough.org/index.php/programs/energy-and-climate/new-nukes/)

Arguably, the biggest impact of Fukushima on the nuclear debate, ironically, has been to force a growing number of pro-nuclear environmentalists out of the closet, including us. The reaction to the accident by anti-nuclear campaigners and many Western publics put a fine point on the gross misperception of risk that informs so much anti-nuclear fear. Nuclear remains the only proven technology capable of reliably generating zero-carbon energy at a scale that can have any impact on global warming. Climate change -- and, for that matter, the enormous present-day health risks associated with burning coal, oil, and gas -- simply dwarf any legitimate risk associated with the operation of nuclear power plants. About 100,000 people die every year due to exposure to air pollutants from the burning of coal. By contrast, about 4,000 people have died from nuclear energy -- ever -- almost entirely due to Chernobyl.¶ But rather than simply lecturing our fellow environmentalists about their misplaced priorities, and how profoundly inadequate present-day renewables are as substitutes for fossil energy, we would do better to take seriously the real obstacles standing in the way of a serious nuclear renaissance. Many of these obstacles have nothing to do with the fear-mongering of the anti-nuclear movement or, for that matter, the regulatory hurdles imposed by the U.S. Nuclear Regulatory Commission and similar agencies around the world.¶ As long as nuclear technology is characterized by enormous upfront capital costs, it is likely to remain just a hedge against overdependence on lower-cost coal and gas, not the wholesale replacement it needs to be to make a serious dent in climate change. Developing countries need large plants capable of bringing large amounts of new power to their fast-growing economies. But they also need power to be cheap. So long as coal remains the cheapest source of electricity in the developing world, it is likely to remain king.¶ The most worrying threat to the future of nuclear isn't the political fallout from Fukushima -- it's economic reality. Even as new nuclear plants are built in the developing world, old plants are being retired in the developed world. For example, Germany's plan to phase-out nuclear simply relies on allowing existing plants to be shut down when they reach the ends of their lifetime. Given the size and cost of new conventional plants today, those plants are unlikely to be replaced with new ones. As such, the combined political and economic constraints associated with current nuclear energy technologies mean that nuclear energy's share of global energy generation is unlikely to grow in the coming decades, as global energy demand is likely to increase faster than new plants can be deployed.¶ To move the needle on nuclear energy to the point that it might actually be capable of displacing fossil fuels, we'll need new nuclear technologies that are cheaper and smaller. Today, there are a range of nascent, smaller nuclear power plant designs, some of them modifications of the current light-water reactor technologies used on submarines, and others, like thorium fuel and fast breeder reactors, which are based on entirely different nuclear fission technologies. Smaller, modular reactors can be built much faster and cheaper than traditional large-scale nuclear power plants. Next-generation nuclear reactors are designed to be incapable of melting down, produce drastically less radioactive waste, make it very difficult or impossible to produce weapons grade material, useless water, and require less maintenance.¶ Most of these designs still face substantial technical hurdles before they will be ready for commercial demonstration. That means a great deal of research and innovation will be necessary to make these next generation plants viable and capable of displacing coal and gas. The United States could be a leader on developing these technologies, but unfortunately U.S. nuclear policy remains mostly stuck in the past. Rather than creating new solutions, efforts to restart the U.S. nuclear industry have mostly focused on encouraging utilities to build the next generation of large, light-water reactors with loan guarantees and various other subsidies and regulatory fixes. With a few exceptions, this is largely true elsewhere around the world as well.¶ Nuclear has enjoyed bipartisan support in Congress for more than 60 years, but the enthusiasm is running out. The Obama administration deserves credit for authorizing funding for two small modular reactors, which will be built at the Savannah River site in South Carolina. But a much more sweeping reform of U.S. nuclear energy policy is required. At present, the Nuclear Regulatory Commission has little institutional knowledge of anything other than light-water reactors and virtually no capability to review or regulate alternative designs. This affects nuclear innovation in other countries as well, since the NRC remains, despite its many critics, the global gold standard for thorough regulation of nuclear energy. Most other countries follow the NRC's lead when it comes to establishing new technical and operational standards for the design, construction, and operation of nuclear plants.¶ What's needed now is a new national commitment to the development, testing, demonstration, and early stage commercialization of a broad range of new nuclear technologies -- from much smaller light-water reactors to next generation ones -- in search of a few designs that can be mass produced and deployed at a significantly lower cost than current designs. This will require both greater public support for nuclear innovation and an entirely different regulatory framework to review and approve new commercial designs.¶ In the meantime, developing countries will continue to build traditional, large nuclear power plants. But time is of the essence. With the lion's share of future carbon emissions coming from those emerging economic powerhouses, the need to develop smaller and cheaper designs that can scale faster is all the more important.¶ A true nuclear renaissance can't happen overnight. And it won't happen so long as large and expensive light-water reactors remain our only option. But in the end, there is no credible path to mitigating climate change without a massive global expansion of nuclear energy. If you care about climate change, nothing is more important than developing the nuclear technologies we will need to get that job done.

#### Nuclear’s critical to displace coal and stop catastrophic climate change

Moore 4—co-founder of Greenpeace, is chairman and chief scientist of Greenspirit Strategies Ltd. (Patrick, Going Nuclear, <http://www.washingtonpost.com/wp-dyn/content/article/2006/04/14/AR2006041401209.html>)

In the early 1970s when I helped found Greenpeace, I believed that nuclear energy was synonymous with nuclear holocaust, as did most of my compatriots. That's the conviction that inspired Greenpeace's first voyage up the spectacular rocky northwest coast to protest the testing of U.S. hydrogen bombs in Alaska's Aleutian Islands. Thirty years on, my views have changed, and the rest of the environmental movement needs to update its views, too, because nuclear energy may just be the energy source that can save our planet from another possible disaster: catastrophic climate change.¶ Look at it this way: More than 600 coal-fired electric plants in the United States produce 36 percent of U.S. emissions -- or nearly 10 percent of global emissions -- of CO2, the primary greenhouse gas responsible for climate change. Nuclear energy is the only large-scale, cost-effective energy source that can reduce these emissions while continuing to satisfy a growing demand for power. And these days it can do so safely.¶ I say that guardedly, of course, just days after Iranian President Mahmoud Ahmadinejad announced that his country had enriched uranium. "The nuclear technology is only for the purpose of peace and nothing else," he said. But there is widespread speculation that, even though the process is ostensibly dedicated to producing electricity, it is in fact a cover for building nuclear weapons.¶ And although I don't want to underestimate the very real dangers of nuclear technology in the hands of rogue states, we cannot simply ban every technology that is dangerous. That was the all-or-nothing mentality at the height of the Cold War, when anything nuclear seemed to spell doom for humanity and the environment. In 1979, Jane Fonda and Jack Lemmon produced a frisson of fear with their starring roles in "The China Syndrome," a fictional evocation of nuclear disaster in which a reactor meltdown threatens a city's survival. Less than two weeks after the blockbuster film opened, a reactor core meltdown at Pennsylvania's Three Mile Island nuclear power plant sent shivers of very real anguish throughout the country.¶ What nobody noticed at the time, though, was that Three Mile Island was in fact a success story: The concrete containment structure did just what it was designed to do -- prevent radiation from escaping into the environment. And although the reactor itself was crippled, there was no injury or death among nuclear workers or nearby residents. Three Mile Island was the only serious accident in the history of nuclear energy generation in the United States, but it was enough to scare us away from further developing the technology: There hasn't been a nuclear plant ordered up since then.¶ Today, there are 103 nuclear reactors quietly delivering just 20 percent of America's electricity. Eighty percent of the people living within 10 miles of these plants approve of them (that's not including the nuclear workers). Although I don't live near a nuclear plant, I am now squarely in their camp.¶ And I am not alone among seasoned environmental activists in changing my mind on this subject. British atmospheric scientist James Lovelock, father of the Gaia theory, believes that nuclear energy is the only way to avoid catastrophic climate change. Stewart Brand, founder of the "Whole Earth Catalog," says the environmental movement must embrace nuclear energy to wean ourselves from fossil fuels. On occasion, such opinions have been met with excommunication from the anti-nuclear priesthood: The late British Bishop Hugh Montefiore, founder and director of Friends of the Earth, was forced to resign from the group's board after he wrote a pro-nuclear article in a church newsletter.¶ There are signs of a new willingness to listen, though, even among the staunchest anti-nuclear campaigners. When I attended the Kyoto climate meeting in Montreal last December, I spoke to a packed house on the question of a sustainable energy future. I argued that the only way to reduce fossil fuel emissions from electrical production is through an aggressive program of renewable energy sources (hydroelectric, geothermal heat pumps, wind, etc.) plus nuclear. The Greenpeace spokesperson was first at the mike for the question period, and I expected a tongue-lashing. Instead, he began by saying he agreed with much of what I said -- not the nuclear bit, of course, but there was a clear feeling that all options must be explored.¶ Here's why: Wind and solar power have their place, but because they are intermittent and unpredictable they simply can't replace big baseload plants such as coal, nuclear and hydroelectric. Natural gas, a fossil fuel, is too expensive already, and its price is too volatile to risk building big baseload plants. Given that hydroelectric resources are built pretty much to capacity, nuclear is, by elimination, the only viable substitute for coal. It's that simple.¶ That's not to say that there aren't real problems -- as well as various myths -- associated with nuclear energy. Each concern deserves careful consideration:¶ · Nuclear energy is expensive. It is in fact one of the least expensive energy sources. In 2004, the average cost of producing nuclear energy in the United States was less than two cents per kilowatt-hour, comparable with coal and hydroelectric. Advances in technology will bring the cost down further in the future.¶ · Nuclear plants are not safe. Although Three Mile Island was a success story, the accident at Chernobyl, 20 years ago this month, was not. But Chernobyl was an accident waiting to happen. This early model of Soviet reactor had no containment vessel, was an inherently bad design and its operators literally blew it up. The multi-agency U.N. Chernobyl Forum reported last year that 56 deaths could be directly attributed to the accident, most of those from radiation or burns suffered while fighting the fire. Tragic as those deaths were, they pale in comparison to the more than 5,000 coal-mining deaths that occur worldwide every year. No one has died of a radiation-related accident in the history of the U.S. civilian nuclear reactor program. (And although hundreds of uranium mine workers did die from radiation exposure underground in the early years of that industry, that problem was long ago corrected.)¶ · Nuclear waste will be dangerous for thousands of years. Within 40 years, used fuel has less than one-thousandth of the radioactivity it had when it was removed from the reactor. And it is incorrect to call it waste, because 95 percent of the potential energy is still contained in the used fuel after the first cycle. Now that the United States has removed the ban on recycling used fuel, it will be possible to use that energy and to greatly reduce the amount of waste that needs treatment and disposal. Last month, Japan joined France, Britain and Russia in the nuclear-fuel-recycling business. The United States will not be far behind.¶ · Nuclear reactors are vulnerable to terrorist attack. The six-feet-thick reinforced concrete containment vessel protects the contents from the outside as well as the inside. And even if a jumbo jet did crash into a reactor and breach the containment, the reactor would not explode. There are many types of facilities that are far more vulnerable, including liquid natural gas plants, chemical plants and numerous political targets.¶ · Nuclear fuel can be diverted to make nuclear weapons. This is the most serious issue associated with nuclear energy and the most difficult to address, as the example of Iran shows. But just because nuclear technology can be put to evil purposes is not an argument to ban its use.¶ Over the past 20 years, one of the simplest tools -- the machete -- has been used to kill more than a million people in Africa, far more than were killed in the Hiroshima and Nagasaki nuclear bombings combined. What are car bombs made of? Diesel oil, fertilizer and cars. If we banned everything that can be used to kill people, we would never have harnessed fire.¶ The only practical approach to the issue of nuclear weapons proliferation is to put it higher on the international agenda and to use diplomacy and, where necessary, force to prevent countries or terrorists from using nuclear materials for destructive ends. And new technologies such as the reprocessing system recently introduced in Japan (in which the plutonium is never separated from the uranium) can make it much more difficult for terrorists or rogue states to use civilian materials to manufacture weapons.¶ The 600-plus coal-fired plants emit nearly 2 billion tons of CO2annually -- the equivalent of the exhaust from about 300 million automobiles. In addition, the Clean Air Council reports that coal plants are responsible for 64 percent of sulfur dioxide emissions, 26 percent of nitrous oxides and 33 percent of mercury emissions. These pollutants are eroding the health of our environment, producing acid rain, smog, respiratory illness and mercury contamination.¶ Meanwhile, the 103 nuclear plants operating in the United States effectively avoid the release of 700 million tons of CO2emissions annually -- the equivalent of the exhaust from more than 100 million automobiles. Imagine if the ratio of coal to nuclear were reversed so that only 20 percent of our electricity was generated from coal and 60 percent from nuclear. This would go a long way toward cleaning the air and reducing greenhouse gas emissions. Every responsible environmentalist should support a move in that direction.

#### 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 generation of small modular reactors has the potential to make a significant contribution to our long-term energy, economic, and national security. SMRs offer several unique advantages over their larger brethren.¶ First, they provide great operational flexibility. SMRs can be deployed in arid regions to produce large quantities of fresh water through desalination. They can be used as a heat source for industrial processes, including hydrogen production, fertilizers, production of synthetic fuels, and biofuels. They can be deployed in remote areas to produce energy for towns and military installations, as well as heat for mining operations and unconventional oil recovery. SMRs could be an attractive alternative for smaller U.S utilities, especially in the Midwest, that seek to replace their old, coal-fired generating stations because of environmental considerations. These facilities would already have the necessary water, rail, and transmission facilities and the necessary infrastructure, thereby simplifying the installation process.

#### Warming is real, anthropogenic and causes extinction

Flournoy 12 -- Citing Feng Hsu, PhD NASA Scientist @ the Goddard Space Flight Center. Don Flournoy is a PhD and MA from the University of Texas, Former Dean of the University College @ Ohio University, Former Associate Dean @ State University of New York and Case Institute of Technology, Project Manager for University/Industry Experiments for the NASA ACTS Satellite, Currently Professor of Telecommunications @ Scripps College of Communications @ Ohio University (Don, "Solar Power Satellites," January, Springer Briefs in Space Development, Book, p. 10-11

In the Online Journal of Space Communication , Dr. Feng Hsu, a  NASA scientist at Goddard Space Flight Center, a research center in the forefront of science of space and Earth, writes, “The evidence of global warming is alarming,” noting the potential for a **catastrophic planetary climate change** is real and troubling (Hsu 2010 ) . Hsu and his NASA colleagues were engaged in monitoring and analyzing climate changes on a global scale, through which they received first-hand scientific information and data relating to global warming issues, including the dynamics of polar ice cap melting. After discussing this research with colleagues who were world experts on the subject, he wrote: I now have no doubt global temperatures are rising, and that **global warming is a serious problem confronting all of humanity**. No matter whether these trends are due to human interference or to the cosmic cycling of our solar system, there are two basic facts that are crystal clear: (a) there is **overwhelming scientific evidence** showing positive correlations between the level of CO2 concentrations in Earth’s atmosphere with respect to the historical fluctuations of global temperature changes; and (b) the **overwhelming majority of the world’s scientific community** is in agreement about the risks of a potential catastrophic global climate change. That is, if we humans continue to ignore this problem and do nothing, if we continue dumping huge quantities of greenhouse gases into Earth’s biosphere, **humanity will be at dire risk** (Hsu 2010 ) . As a technology risk assessment expert, Hsu says he can show with some confidence that the planet will face more risk doing nothing to curb its fossil-based energy addictions than it will in making a fundamental shift in its energy supply. “This,” he writes, “is because the risks of a catastrophic anthropogenic climate change can be potentially the extinction of human species, a risk that is simply too high for us to take any chances” (Hsu 2010 )

#### The plan solves the only major roadblock to the creation of a robust domestic SMR industry

Loris 11 Nicolas D, Research Associate in the Roe Institute, Jack Spencer – Research Fellow in Nuclear Energy in the Thomas A. Roe Institute for Economic Policy Studies, Currently is The Heritage Foundation’s senior research fellow in nuclear energy policy, Previously worked on commercial, civilian and military components of nuclear energy at the Babcock & Wilcox Companies, Holds a bachelor's degree in international politics from Frostburg State University and a master's degree from the University of Limerick, “A Big Future for Small Nuclear Reactors?”, February 2, http://www.heritage.org/research/reports/2011/02/a-big-future-for-small-nuclear-reactors

Abstract: More and more companies—in the U.S. and abroad—are investing in new commercial nuclear enterprises, chief among them, small modular reactors (SMRs). The SMR industry is growing, with many promising developments in the works—which is precisely why the government should not interfere, as subsidies and government programs have already resulted in an inefficient system for large reactors. Heritage Foundation nuclear policy experts explain how the future for small reactors can remain bright.¶ Small modular reactors (SMRs) have garnered significant attention in recent years, with companies of all sizes investing in these smaller, safer, and more cost-efficient nuclear reactors. Utilities are even forming partnerships with reactor designers to prepare for potential future construction. Perhaps most impressive is that most of this development is occurring without government involvement. Private investors and entrepreneurs are dedicating resources to these technologies based on their future prospects, not on government set-asides, mandates, or subsidies, and despite the current regulatory bias in favor of large light water reactors (LWRs).¶ The result is a young, robust, innovative, and growing SMR industry. Multiple technologies are being proposed that each have their own set of characteristics based on price, fuel, waste characteristics, size, and any number of other variables. To continue this growth, policymakers should reject the temptation to offer the same sort of subsidies and government programs that have proven ineffective for large LWRs. While Department of Energy cost-sharing programs and capital subsidies seem attractive, they have yet to net any new reactor construction. Instead, policymakers should focus on the systemic issues that have continued to thwart the expansion of nuclear power in recent years. Specifically, the federal government needs to develop an efficient and predictable regulatory pathway to new reactor certification and to develop a sustainable nuclear waste management strategy.¶ Why SMRs?¶ Small modular reactors share many of the attractive qualities of large reactors, such as providing abundant emissions-free power, while adding new features that could make them more appropriate for certain applications, such as providing power to rural communities or for dedicated industrial use. SMRs are not yet positioned to take the place of traditional large LWRs, but they represent an important growth area for the commercial nuclear industry.¶ Indeed, should the promise of small modular reactors be realized, the technology could transform the nuclear industry. That is because these attributes would potentially mitigate some of the financial and regulatory problems that nuclear energy has recently faced. SMRs potentially cost less (at least in up-front capital), are more mobile and multifunctional, provide competition, and can largely be produced by existing domestic infrastructure.¶ Lower Costs Up Front. Large reactors are very expensive to license and construct and require massive up-front capital investments to begin a project. Small reactors, while providing far less power than large reactors, can be built in modules and thus be paid for over time. For example, estimates for larger reactors range from $6 billion to $10 billion and must be financed all at once. The Babcock & Wilcox Company’s modular mPower reactors, alternatively, can be purchased in increments of 125 megawatts (MW), which would allow costs to be spread out over time. Though cost estimates are not yet available for the mPower reactor, its designers have stated that they will be competitive. This should not be used as a reason to refrain from building larger, 1,000-plus MW reactors. Each utility will have its own set of variables that it must consider in choosing a reactor technology, but given that one of the primary justifications for government subsidies is that the high costs of large reactors puts unacceptable strain on utility balance sheets, an option that spreads capital outlays over time should be attractive.¶ Safe Installation in Diverse Locations. Some designs are small enough to produce power for as few as 20,000 homes. One such reactor, Hyperion Power’s HPM (Hyperion Power Module) offers 25 MW of electricity for an advertised cost of $50 million per unit. This makes the HPM a potential power solution for isolated communities or small cities.[1] The Alaskan town of Galena, for example, is planning to power its community with a small reactor designed by Toshiba, while Fairbanks is looking into a small plant constructed by Hyperion.[2] In addition, Western Troy Capital Resources has stated that it will form a private corporation to provide electric power from small reactors for remote locations in Canada.[3] Public utility officials in Grays Harbor, Washington, have spoken with the NuScale Power company about powering the community with eight small nuclear plants;[4] and Hyperion Power has reported a high level of interest in small nuclear reactor designs from islands around the world.[5]¶ Using a small nuclear reactor could cut electricity costs in isolated areas since there would be no need for expensive transmission lines to carry power to remote locations.[6] SMRs could also potentially be integrated into existing energy infrastructure. SMRs could be built into old coal plants, for instance. The reactors would replace the coal boilers and be hooked into the existing turbines and distribution lines. According to the Nuclear Regulatory Commission, these modifications could be completed safely since small reactors will likely be easier to control during times of malfunction.[7]¶ Multi-functionality. SMRs can be used in a variety of applications that have substantial power and heat requirements. The chemical and plastics industries and oil refineries all use massive amounts of natural gas to fuel their operations. Similarly, small reactors could produce the heat needed to extract oil from tar sands, which currently requires large amounts of natural gas. While affordable today, natural gas prices vary significantly over time, so the long-term predictable pricing that nuclear provides could be very attractive. SMRs may also provide a practical solution for desalination plants (which require large amounts of electricity) that can bring fresh water to parts of the world where such supplies are depleting.[8] Perhaps most important, is that SMRs have the potential to bring power and electricity to the 1.6 billion people in the world today that have no access to electricity, and to the 2.4 billion that rely on biomass, such as wood, agricultural residue, and dung for cooking and heating.[9]¶ Competition. While competition among large nuclear-reactor technologies currently exists, small reactors will add a new dimension to nuclear-reactor competition. Multiple small technology designs are set to emerge on the market. Not only will competition among small reactors create a robust market, it will also provide an additional incentive for large reactors to improve. If smaller reactors begin to capture a share of the nuclear market and the energy market at large, it will drive innovation and ultimately lower prices for both new and existing technologies.¶ Domestic Production. Although the nuclear industry necessarily shrank to coincide with decreased demand, much of the domestic infrastructure remains in place today and could support the expansion of small-reactor technologies. Although the industrial and intellectual base has declined over the past three decades, forging production, heavy manufacturing, specialized piping, mining, fuel services, and skilled labor could all be found in the United States. Lehigh Heavy Forge Corporation in Bethlehem, Pennsylvania, could build the forges while Babcock & Wilcox could provide the heavy nuclear components, for instance. AREVA/Northrop Grumman Shipbuilding broke ground on a heavy components manufacturing facility last June.[10] Further, a number of companies are expanding manufacturing, engineering, and uranium enrichment capabilities—all in the United States.¶ If SMRs are so great, where is the construction?¶ While some designs are closer to market introduction than others, the fact is that America’s regulatory and policy environment is not sufficient to support a robust expansion of existing nuclear technologies, much less new ones. New reactor designs are difficult to license efficiently, and the lack of a sustainable nuclear waste management policy causes significant risk to private investment.¶ Many politicians are attempting to mitigate these market challenges by offering subsidies, such as loan guarantees. While this approach still enjoys broad support in Congress and industry, the reality is that it has not worked. Despite a lavish suite of subsidies offered in the Energy Policy Act of 2005, including loan guarantees, insurance against government delays, and production tax credits, no new reactors have been permitted, much less constructed. These subsidies are in addition to existing technology development cost-sharing programs that have been in place for years and defer significant research and development costs from industry to the taxpayer.¶ The problem with this approach is that it ignores the larger systemic problems that create the unstable marketplace to begin with. These systemic problems generally fall into three categories:¶ Licensing. The Nuclear Regulatory Commission (NRC) is ill prepared to build the regulatory framework for new reactor technologies, and no reactor can be offered commercially without an NRC license. In a September 2009 interview, former NRC chairman Dale E. Klein said that small nuclear reactors pose a dilemma for the NRC because the commission is uneasy with new and unproven technologies and feels more comfortable with large light water reactors, which have been in operation for years and has a long safety record.[11] The result is that enthusiasm for building non-light-water SMRs is generally squashed at the NRC as potential customers realize that there is little chance that the NRC will permit the project within a timeframe that would promote near-term investment. So, regardless of which attributes an SMR might bring to the market, the regulatory risk is such that real progress on commercialization is difficult to attain. This then leaves large light water reactors, and to a lesser extent, small ones, as the least risky option, which pushes potential customers toward that technology, which then undermines long-term progress, competition, and innovation.¶ Nuclear Waste Management. The lack of a sustainable nuclear waste management solution is perhaps the greatest obstacle to a broad expansion of U.S. nuclear power. The federal government has failed to meet its obligations under the 1982 Nuclear Waste Policy Act, as amended, to begin collecting nuclear waste for disposal in Yucca Mountain. The Obama Administration’s attempts to shutter the existing program to put waste in Yucca Mountain without having a backup plan has worsened the situation. This outcome was predictable because the current program is based on the flawed premise that the federal government is the appropriate entity to manage nuclear waste. Under the current system, waste producers are able to largely ignore waste management because the federal government is responsible. The key to a sustainable waste management policy is to directly connect financial responsibility for waste management to waste production. This will increase demand for more waste-efficient reactor technologies and drive innovation on waste-management technologies, such as reprocessing. Because SMRs consume fuel and produce waste differently than LWRs, they could contribute greatly to an economically efficient and sustainable nuclear waste management strategy.¶ Government Intervention. Too many policymakers believe that Washington is equipped to guide the nuclear industry to success. So, instead of creating a stable regulatory environment where the market value of different nuclear technologies can determine their success and evolution, they choose to create programs to help industry succeed. Two recent Senate bills from the 111th Congress, the Nuclear Energy Research Initiative Improvement Act (S. 2052) and the Nuclear Power 2021 Act (S. 2812), are cases in point. Government intervention distorts the normal market processes that, if allowed to work, would yield the most efficient, cost-effective, and appropriate nuclear technologies. Instead, the federal government picks winners and losers through programs where bureaucrats and well-connected lobbyists decide which technologies are permitted, and provides capital subsidies that allow investors to ignore the systemic problems that drive risk and costs artificially high. This approach is especially detrimental to SMRs because subsidies to LWRs distort the relative benefit of other reactor designs by artificially lowering the cost and risk of a more mature technology that already dominates the marketplace.¶ How to Fix a Broken System¶ At the Global Nuclear Renaissance Summit on July 24, 2008, then-NRC chairman Dale Klein said that a nuclear renaissance with regard to small reactors will take “decades to unfold.”[12] If Members of Congress and government agencies do not reform their current approach to nuclear energy, this will most certainly be the case. However, a new, market-based approach could lead to a different outcome. Instead of relying on the policies of the past, Congress, the Department of Energy, and the NRC should pursue a new, 21st-century model for small and alternative reactor technologies by doing the following:¶ Reject additional loan guarantees. Loan guarantee proponents argue that high up-front costs of new large reactors make them unaffordable without loan guarantees. Presumably, then, a smaller, less expensive modular option would be very attractive to private investors even without government intervention. But loan guarantees undermine this advantage by subsidizing the capital costs and risk associated with large reactors. A small reactor industry without loan guarantees would also provide competition and downward price pressure on large light water reactors. At a minimum, Congress should limit guarantees to no more than two plants of any reactor design and limit to two-thirds the amount of any expanded loan guarantee program that can support a single technology. Such eligibility limits will prevent support from going only to a single basic technology, such as large light water reactors.[13]¶ Avoid subsidies. Subsidies do not work if the objective is a diverse and economically sustainable nuclear industry. Despite continued attempts to subsidize the nuclear industry into success, the evidence demonstrates that such efforts invariably fail. The nuclear industry’s success stories are rooted in the free market. Two examples include the efficiency and low costs of today’s existing plants, and the emergence of a private uranium enrichment industry. Government intervention is the problem, as illustrated by the government’s inability to meet its nuclear waste disposal obligations.¶ Build expertise at the Nuclear Regulatory Commission. The NRC is built to regulate large light water reactors. It simply does not have the regulatory capability and resources to efficiently regulate other technologies, and building that expertise takes time. Helping the NRC to develop that expertise now would help bring new technologies into the marketplace more smoothly. Congress should direct and resource the NRC to develop additional broad expertise for liquid metal-cooled, fast reactors and high-temperature, gas-cooled reactors. With its existing expertise in light water technology, this additional expertise would position the NRC to effectively regulate an emerging SMR industry.¶ Establish a new licensing pathway. The current licensing pathway relies on reactor customers to drive the regulatory process. But absent an efficient and predictable regulatory pathway, few customers will pursue these reactor technologies. The problem is that the legal, regulatory, and policy apparatus is built to support large light water reactors, effectively discriminating against other technologies. Establishing an alternative licensing pathway that takes the unique attributes of small reactors into consideration could help build the necessary regulatory support on which commercialization ultimately depends.[14]¶ Resolve staffing, security, construction criteria, and fee-structure issues by December 31, 2011. The similarity of U.S. reactors has meant that the NRC could establish a common fee structure and many general regulatory guidelines for areas, such as staffing levels, security requirements, and construction criteria. But these regulations are inappropriate for many SMR designs that often have smaller staff requirements, unique control room specifications, diverse security requirements, and that employ off-site construction techniques. Subjecting SMRs to regulations built for large light water reactors would add cost and result in less effective regulation. The NRC has acknowledged the need for this to be resolved and has committed to doing so, including developing the budget requirements to achieve it. It has not committed to a specific timeline.[15] Congress should demand that these issues be resolved by the end of 2011.

#### SMRs can reprocess and solve waste

Biello 12 David, March 27, "Small Reactors Make a Bid to Revive Nuclear Power", www.scientificamerican.com/article.cfm?id=small-reactors-bid-to-revive-nuclear-power

Alternative fuel?¶ Small modular reactors may help with two of the biggest challenges facing the nuclear industry: the growing stores of waste from existing reactors and residue from the mass production of nuclear weapons as well as the overall safety of nuclear power. GE's PRISM fast reactor, General Atomic's helium-cooled fast reactor, or Hyperion Power's liquid lead-bismuth cooled reactor could all turn waste into fuel. Hyperion hopes to demonstrate its reactor, capable of generating 25 megawatts of electricity, at the Savannah River National Laboratory in South Carolina. The site has also signed memorandums of understanding to host prototypes of the NuScale and Holtech reactors.

#### SMRs are feasible, safer and solve other nuclear downsides

Ringle 10 John, Professor Emeritus of Nuclear Engineering at Oregon State University, "Reintroduction of reactors in US a major win", November 13, robertmayer.wordpress.com/2010/11/21/reintroduction-of-reactors-in-us-a-major-win/

Small nuclear reactors will probably be the mechanism that ushers in nuclear power’s renaissance in the U.S.¶ Nuclear plants currently supply about 20 percent of the nation’s electricity and more than 70 percent of our carbon-free energy. But large nuclear plants cost $8 billion to $10 billion and utilities are having second thoughts about how to finance these plants.¶ A small modular reactor (SMR) has several advantages over the conventional 1,000-megawatt plant:¶ 1. It ranges in size from 25 to 140 megawatts, hence only costs about a tenth as much as a large plant.¶ 2. It uses a cookie-cutter standardized design to reduce construction costs and can be built in a factory and shipped to the site by truck, railroad or barge.¶ 3. The major parts can be built in U.S. factories, unlike some parts for the larger reactors that must be fabricated overseas.¶ 4. Because of the factory-line production, the SMR could be built in three years with one-third of the workforce of a large plant.¶ 5. More than one SMR could be clustered together to form a larger power plant complex. This provides versatility in operation, particularly in connection with large wind farms. With the variability of wind, one or more SMRs could be run or shut down to provide a constant base load supply of electricity.¶ 6. A cluster of SMRs should be very reliable. One unit could be taken out of service for maintenance or repair without affecting the operation of the other units. And since they are all of a common design, replacement parts could satisfy all units. France has already proved the reliability of standardized plants.¶ At least half a dozen companies are developing SMRs, including NuScale in Oregon. NuScale is American-owned and its 45-megawatt design has some unique features. It is inherently safe. It could be located partially or totally below ground, and with its natural convection cooling system, it does not rely on an elaborate system of pumps and valves to provide safety. There is no scenario in which a loss-of-coolant accident could occur.

### Plan

#### The United States federal government should reduce restrictions in the United States that prevent expansion of small modular nuclear reactors

### Framing

#### CONTENTION 2: OUR ADVOCACY IS GOOD

#### Academic debate over energy policy in the face of environmental destruction is critical to shape the direction of change and create a public consciousness shift---action now is key

Crist 4 (Eileen, Professor at Virginia Tech in the Department of Science and Technology, “Against the social construction of nature and wilderness”, Environmental Ethics 26;1, p 13-6, http://www.sts.vt.edu/faculty/crist/againstsocialconstruction.pdf)

Yet, constructivist analyses of "nature" favor remaining in the comfort zone of **zestless agnosticism** and **noncommittal meta-discourse**. As David Kidner suggests, this intellectual stance may function as a mechanism against facing the devastation of the biosphere—an undertaking long underway but gathering momentum with the imminent bottlenecking of a triumphant global consumerism and unprecedented population levels. Human-driven extinction—in the ballpark of Wilson's estimated 27,000 species per year—is so unthinkable a fact that choosing to ignore it may well be the psychologically risk-free option.¶ **Nevertheless, this is the** opportune **historical** moment **for** intellectuals in the humanities and social sciences **to join forces with** conservation **scientists** in order **to** help **create the consciousness shift and** policy changes **to stop this irreversible destruction. Given this outlook, how** students in the human sciences **are** trained **to regard scientific knowledge, and what kind of** messages percolate to the public from the academy **about the nature of scientific findings,** matter immensely. The "agnostic stance" of constructivism toward "scientific claims" about the environment—a stance supposedly mandatory for discerning how scientific knowledge is "socially assembled"[32]—is, to borrow a legendary one-liner, **striving to interpret the world at an hour that is pressingly calling us to change it.**

#### Public advocacy of climate solutions key to change governmental policy---individual change insufficient

CAG 10—Climate Change Communication Advisory Group. Dr Adam Corner School of Psychology, Cardiff University - Dr Tom Crompton Change Strategist, WWF-UK - Scott Davidson Programme Manager, Global Action Plan - Richard Hawkins Senior Researcher, Public Interest Research Centre - Professor Tim Kasser, Psychology department, Knox College, Galesburg, Illinois, USA. - Dr Renee Lertzman, Center for Sustainable Processes & Practices, Portland State University, US. - Peter Lipman, Policy Director, Sustrans. - Dr Irene Lorenzoni, Centre for Environmental Risk, University of East Anglia. - George Marshall, Founding Director, Climate Outreach , Information Network - Dr Ciaran Mundy, Director, Transition Bristol - Dr Saffron O’Neil, Department of Resource Management and Geography, University of Melbourne, Australia. - Professor Nick Pidgeon, Director, Understanding Risk Research Group, School of Psychology, Cardiff University. - Dr Anna Rabinovich, School of Psychology, University of Exeter - Rosemary Randall, Founder and director of Cambridge Carbon Footprint - Dr Lorraine Whitmarsh, School of Psychology, Cardiff University & Visiting Fellow at the, Tyndall Centre for Climate Change Research. (Communicating climate change to mass public audience, http://pirc.info/downloads/communicating\_climate\_mass\_audiences.pdf)

This short advisory paper collates a set of recommendations about how best to shape mass public communications aimed at increasing concern about climate change and motivating commensurate behavioural changes.¶ Its focus is not upon motivating small private-sphere behavioural changes on a piece-meal basis. Rather, it marshals evidence about how best to motivate the ambitious and systemic behavioural change that is necessary – including, crucially, greater public engagement with the policy process (through, for example, lobbying decision-makers and elected representatives, or participating in demonstrations), as well as major lifestyle changes. ¶ Political leaders themselves have drawn attention to the imperative for more vocal public pressure to create the ‘political space’ for them to enact more ambitious policy interventions. 1 While this paper does not dismiss the value of individuals making small private-sphere behavioural changes (for example, adopting simple domestic energy efficiency measures) it is clear that such behaviours do not, in themselves, represent a proportional response to the challenge of climate change. As David MacKay, Chief Scientific Advisor to the UK Department of Energy and Climate change writes: “Don’t be distracted by the myth that ‘every little helps’. If everyone does a little, we’ll achieve only a little” (MacKay, 2008).¶ The task of campaigners and communicators from government, business and non-governmental organisations must therefore be to motivate both (i) widespread adoption of ambitious private-sphere behavioural changes; and (ii) widespread acceptance of – and indeed active demand for – ambitious new policy interventions.¶ Current public communication campaigns, as orchestrated by government, business and non-governmental organisations, are not achieving these changes. This paper asks: how should such communications be designed if they are to have optimal impact in motivating these changes? The response to this question will require fundamental changes in the ways that many climate change communication campaigns are currently devised and implemented. ¶ This advisory paper offers a list of principles that could be used to enhance the quality of communication around climate change communications. The authors are each engaged in continuously sifting the evidence from a range of sub-disciplines within psychology, and reflecting on the implications of this for improving climate change communications. Some of the organisations that we represent have themselves at times adopted approaches which we have both learnt from and critique in this paper – so some of us have first hand experience of the need for on-going improvement in the strategies that we deploy. ¶ The changes we advocate will be challenging to enact – and will require vision and leadership on the part of the organisations adopting them. But without such vision and leadership, we do not believe that public communication campaigns on climate change will create the necessary behavioural changes – indeed, there is a profound risk that many of today’s campaigns will actually prove counter-productive. ¶ Seven Principles¶ 1. Move Beyond Social Marketing¶ We believe that too little attention is paid to the understanding that psychologists bring to strategies for motivating change, whilst undue faith is often placed in the application of marketing strategies to ‘sell’ behavioural changes. Unfortunately, in the context of ambitious pro-environmental behaviour, such strategies seem unlikely to motivate systemic behavioural change.¶ Social marketing is an effective way of achieving a particular behavioural goal – dozens of practical examples in the field of health behaviour attest to this. Social marketing is really more of a framework for designing behaviour change programmes than a behaviour change programme - it offers a method of maximising the success of a specific behavioural goal. Darnton (2008) has described social marketing as ‘explicitly transtheoretical’, while Hastings (2007), in a recent overview of social marketing, claimed that there is no theory of social marketing. Rather, it is a ‘what works’ philosophy, based on previous experience of similar campaigns and programmes. Social marketing is flexible enough to be applied to a range of different social domains, and this is undoubtedly a fundamental part of its appeal.¶ However, social marketing’s 'what works' status also means that it is agnostic about the longer term, theoretical merits of different behaviour change strategies, or the cultural values that specific campaigns serve to strengthen. Social marketing dictates that the most effective strategy should be chosen, where effective means ‘most likely to achieve an immediate behavioural goal’. ¶ This means that elements of a behaviour change strategy designed according to the principles of social marketing may conflict with other, broader goals. What if the most effective way of promoting pro-environmental behaviour ‘A’ was to pursue a strategy that was detrimental to the achievement of long term pro-environmental strategy ‘Z’? The principles of social marketing have no capacity to resolve this conflict – they are limited to maximising the success of the immediate behavioural programme. This is not a flaw of social marketing – it was designed to provide tools to address specific behavioural problems on a piecemeal basis. But it is an important limitation, and one that has significant implications if social marketing techniques are used to promote systemic behavioural change and public engagement on an issue like climate change. ¶ 2. Be honest and forthright about the probable impacts of climate change, and the scale of the challenge we confront in avoiding these. But avoid deliberate attempts to provoke fear or guilt. ¶ There is no merit in ‘dumbing down’ the scientific evidence that the impacts of climate change are likely to be severe, and that some of these impacts are now almost certainly unavoidable. Accepting the impacts of climate change will be an important stage in motivating behavioural responses aimed at mitigating the problem. However, deliberate attempts to instil fear or guilt carry considerable risk. ¶ Studies on fear appeals confirm the potential for fear to change attitudes or verbal expressions of concern, but often not actions or behaviour (Ruiter et al., 2001). The impact of fear appeals is context - and audience - specific; for example, for those who do not yet realise the potentially ‘scary’ aspects of climate change, people need to first experience themselves as vulnerable to the risks in some way in order to feel moved or affected (Das et al, 2003; Hoog et al, 2005). As people move towards contemplating action, fear appeals can help form a behavioural intent, providing an impetus or spark to ‘move’ from; however such appeals must be coupled with constructive information and support to reduce the sense of danger (Moser, 2007). The danger is that fear can also be disempowering – producing feelings of helplessness, remoteness and lack of control (O’Neill and Nicholson-Cole, 2009). Fear is likely to trigger ‘barriers to engagement’, such as denial2 (Stoll-Kleemann et al., 2001; Weber, 2006; Moser and Dilling, 2007; Lorenzoni, Nicholson-Cole & Whitmarsh, 2007). The location of fear in a message is also relevant; it works better when placed first for those who are inclined to follow the advice, but better second for those who aren't (Bier, 2001).¶ Similarly, studies have shown that guilt can play a role in motivating people to take action but can also function to stimulate defensive mechanisms against the perceived threat or challenge to one’s sense of identity (as a good, moral person). In the latter case, behaviours may be left untouched (whether driving a SUV or taking a flight) as one defends against any feelings of guilt or complicity through deployment of a range of justifications for the behaviour (Ferguson & Branscombe, 2010). ¶ Overall, there is a need for emotionally balanced representations of the issues at hand. This will involve acknowledging the ‘affective reality’ of the situation, e.g. “We know this is scary and overwhelming, but many of us feel this way and we are doing something about it”.¶ 3. Be honest and forthright about the impacts of mitigating and adapting to climate change for current lifestyles, and the ‘loss’ - as well as the benefits - that these will entail. Narratives that focus exclusively on the ‘up-side’ of climate solutions are likely to be unconvincing. While narratives about the future impacts of climate change may highlight the loss of much that we currently hold to be dear, narratives about climate solutions frequently ignore the question of loss. If the two are not addressed concurrently, fear of loss may be ‘split off’ and projected into the future, where it is all too easily denied. This can be dangerous, because accepting loss is an important step towards working through the associated emotions, and emerging with the energy and creativity to respond positively to the new situation (Randall, 2009). However, there are plenty of benefits (besides the financial ones) of a low-carbon lifestyle e.g., health, community/social interaction - including the ‘intrinsic' goals mentioned below. It is important to be honest about both the losses and the benefits that may be associated with lifestyle change, and not to seek to separate out one from the other.¶ 3a. Avoid emphasis upon painless, easy steps. ¶ Be honest about the limitations of voluntary private-sphere behavioural change, and the need for ambitious new policy interventions that incentivise such changes, or that regulate for them. People know that the scope they have, as individuals, to help meet the challenge of climate change is extremely limited. For many people, it is perfectly sensible to continue to adopt high-carbon lifestyle choices whilst simultaneously being supportive of government interventions that would make these choices more difficult for everyone. ¶ The adoption of small-scale private sphere behavioural changes is sometimes assumed to lead people to adopt ever more difficult (and potentially significant) behavioural changes. The empirical evidence for this ‘foot-in-thedoor’ effect is highly equivocal. Some studies detect such an effect; others studies have found the reverse effect (whereby people tend to ‘rest on their laurels’ having adopted a few simple behavioural changes - Thogersen and Crompton, 2009). Where attention is drawn to simple and painless privatesphere behavioural changes, these should be urged in pursuit of a set of intrinsic goals (that is, as a response to people’s understanding about the contribution that such behavioural change may make to benefiting their friends and family, their community, the wider world, or in contributing to their growth and development as individuals) rather than as a means to achieve social status or greater financial success. Adopting behaviour in pursuit of intrinsic goals is more likely to lead to ‘spillover’ into other sustainable behaviours (De Young, 2000; Thogersen and Crompton, 2009).¶ People aren’t stupid: they know that if there are wholesale changes in the global climate underway, these will not be reversed merely through checking their tyre pressures or switching their TV off standby. An emphasis upon simple and painless steps suppresses debate about those necessary responses that are less palatable – that will cost people money, or that will infringe on cherished freedoms (such as to fly). Recognising this will be a key step in accepting the reality of loss of aspects of our current lifestyles, and in beginning to work through the powerful emotions that this will engender (Randall, 2009). ¶ 3b. Avoid over-emphasis on the economic opportunities that mitigating, and adapting to, climate change may provide. ¶ There will, undoubtedly, be economic benefits to be accrued through investment in new technologies, but there will also be instances where the economic imperative and the climate change adaptation or mitigation imperative diverge, and periods of economic uncertainty for many people as some sectors contract. It seems inevitable that some interventions will have negative economic impacts (Stern, 2007).¶ Undue emphasis upon economic imperatives serves to reinforce the dominance, in society, of a set of extrinsic goals (focussed, for example, on financial benefit). A large body of empirical research demonstrates that these extrinsic goals are antagonistic to the emergence of pro-social and proenvironmental concern (Crompton and Kasser, 2009).¶ 3c. Avoid emphasis upon the opportunities of ‘green consumerism’ as a response to climate change.¶ As mentioned above (3b), a large body of research points to the antagonism between goals directed towards the acquisition of material objects and the emergence of pro-environmental and pro-social concern (Crompton and Kasser, 2009). Campaigns to ‘buy green’ may be effective in driving up sales of particular products, but in conveying the impression that climate change can be addressed by ‘buying the right things’, they risk undermining more difficult and systemic changes. A recent study found that people in an experiment who purchased ‘green’ products acted less altruistically on subsequent tasks (Mazar & Zhong, 2010) – suggesting that small ethical acts may act as a ‘moral offset’ and licence undesirable behaviours in other domains. This does not mean that private-sphere behaviour changes will always lead to a reduction in subsequent pro-environmental behaviour, but it does suggest that the reasons used to motivate these changes are critically important. Better is to emphasise that ‘every little helps a little’ – but that these changes are only the beginning of a process that must also incorporate more ambitious private-sphere change and significant collective action at a political level.¶ 4. Empathise with the emotional responses that will be engendered by a forthright presentation of the probable impacts of climate change. ¶ Belief in climate change and support for low-carbon policies will remain fragile unless people are emotionally engaged. We should expect people to be sad or angry, to feel guilt or shame, to yearn for that which is lost or to search for more comforting answers (Randall, 2009). Providing support and empathy in working through the painful emotions of 'grief' for a society that must undergo changes is a prerequisite for subsequent adaptation to new circumstances.¶ Without such support and empathy, it is more likely that people will begin to deploy a range of maladaptive ‘coping strategies’, such as denial of personal responsibility, blaming others, or becoming apathetic (Lertzman, 2008). An audience should not be admonished for deploying such strategies – this would in itself be threatening, and could therefore harden resistance to positive behaviour change (Miller and Rolnick, 2002). The key is not to dismiss people who exhibit maladaptive coping strategies, but to understand how they can be made more adaptive. People who feel socially supported will be more likely to adopt adaptive emotional responses - so facilitating social support for proenvironmental behaviour is crucial.¶ 5. Promote pro-environmental social norms and harness the power of social networks¶ One way of bridging the gap between private-sphere behaviour changes and collective action is the promotion of pro-environmental social norms. Pictures and videos of ordinary people (‘like me’) engaging in significant proenvironmental actions are a simple and effective way of generating a sense of social normality around pro-environmental behaviour (Schultz, Nolan, Cialdini, Goldstein and Griskevicius, 2007). There are different reasons that people adopt social norms, and encouraging people to adopt a positive norm simply to ‘conform’, to avoid a feeling of guilt, or for fear of not ‘fitting in’ is likely to produce a relatively shallow level of motivation for behaviour change. Where social norms can be combined with ‘intrinsic’ motivations (e.g. a sense of social belonging), they are likely to be more effective and persistent.¶ Too often, environmental communications are directed to the individual as a single unit in the larger social system of consumption and political engagement. This can make the problems feel too overwhelming, and evoke unmanageable levels of anxiety. Through the enhanced awareness of what other people are doing, a strong sense of collective purpose can be engendered. One factor that is likely to influence whether adaptive or maladaptive coping strategies are selected in response to fear about climate change is whether people feel supported by a social network – that is, whether a sense of ‘sustainable citizenship’ is fostered. The efficacy of groupbased programmes at promoting pro-environmental behaviour change has been demonstrated on numerous occasions – and participants in these projects consistently point to a sense of mutual learning and support as a key reason for making and maintaining changes in behaviour (Nye and Burgess, 2008). There are few influences more powerful than an individual’s social network. Networks are instrumental not just in terms of providing social support, but also by creating specific content of social identity – defining what it means to be “us”. If environmental norms are incorporated at this level (become defining for the group) they can result in significant behavioural change (also reinforced through peer pressure).¶ Of course, for the majority of people, this is unlikely to be a network that has climate change at its core. But social networks – Trade Unions, Rugby Clubs, Mother & Toddler groups – still perform a critical role in spreading change through society. Encouraging and supporting pre-existing social networks to take ownership of climate change (rather than approach it as a problem for ‘green groups’) is a critical task. As well as representing a crucial bridge between individuals and broader society, peer-to-peer learning circumnavigates many of the problems associated with more ‘top down’ models of communication – not least that government representatives are perceived as untrustworthy (Poortinga & Pidgeon, 2003). Peer-to-peer learning is more easily achieved in group-based dialogue than in designing public information films: But public information films can nonetheless help to establish social norms around community-based responses to the challenges of climate change, through clear visual portrayals of people engaging collectively in the pro-environmental behaviour.¶ The discourse should be shifted increasingly from ‘you’ to ‘we’ and from ‘I’ to ‘us’. This is starting to take place in emerging forms of community-based activism, such as the Transition Movement and Cambridge Carbon Footprint’s ‘Carbon Conversations’ model – both of which recognize the power of groups to help support and maintain lifestyle and identity changes. A nationwide climate change engagement project using a group-based behaviour change model with members of Trade Union networks is currently underway, led by the Climate Outreach and Information Network. These projects represent a method of climate change communication and engagement radically different to that typically pursued by the government – and may offer a set of approaches that can go beyond the limited reach of social marketing techniques.¶ One potential risk with appeals based on social norms is that they often contain a hidden message. So, for example, a campaign that focuses on the fact that too many people take internal flights actually contains two messages – that taking internal flights is bad for the environment, and that lots of people are taking internal flights. This second message can give those who do not currently engage in that behaviour a perverse incentive to do so, and campaigns to promote behaviour change should be very careful to avoid this. The key is to ensure that information about what is happening (termed descriptive norms), does not overshadow information about what should be happening (termed injunctive norms). ¶ 6. Think about the language you use, but don’t rely on language alone¶ A number of recent publications have highlighted the results of focus group research and talk-back tests in order to ‘get the language right’ (Topos Partnership, 2009; Western Strategies & Lake Research Partners, 2009), culminating in a series of suggestions for framing climate-change communications. For example, these two studies led to the suggestions that communicators should use the term ‘global warming’ or ‘our deteriorating atmosphere’, respectively, rather than ‘climate change’. Other research has identified systematic differences in the way that people interpret the terms ‘climate change’ and ‘global warming’, with ‘global warming’ perceived as more emotionally engaging than ‘climate change’ (Whitmarsh, 2009).¶ Whilst ‘getting the language right’ is important, it can only play a small part in a communication strategy. More important than the language deployed (i.e. ‘conceptual frames') are what have been referred to by some cognitive linguists as 'deep frames'. Conceptual framing refers to catchy slogans and clever spin (which may or may not be honest). At a deeper level, framing refers to forging the connections between a debate or public policy and a set of deeper values or principles. Conceptual framing (crafting particular messages focussing on particular issues) cannot work unless these messages resonate with a set of long-term deep frames.¶ Policy proposals which may at the surface level seem similar (perhaps they both set out to achieve a reduction in environmental pollution) may differ importantly in terms of their deep framing. For example, putting a financial value on an endangered species, and building an economic case for their conservation ‘commodifies’ them, and makes them equivalent (at the level of deep frames) to other assets of the same value (a hotel chain, perhaps). This is a very different frame to one that attempts to achieve the same conservation goals through the ascription of intrinsic value to such species – as something that should be protected in its own right. Embedding particular deep frames requires concerted effort (Lakoff, 2009), but is the beginning of a process that can build a broad, coherent cross-departmental response to climate change from government.¶ 7. Encourage public demonstrations of frustration at the limited pace of government action¶ Private-sphere behavioural change is not enough, and may even at times become a diversion from the more important process of bringing political pressure to bear on policy-makers. The importance of public demonstrations of frustration at both the lack of political progress on climate change and the barriers presented by vested interests is widely recognised – including by government itself. Climate change communications, including government communication campaigns, should work to normalise public displays of frustration with the slow pace of political change. Ockwell et al (2009) argued that communications can play a role in fostering demand for - as well as acceptance of - policy change. Climate change communication could (and should) be used to encourage people to demonstrate (for example through public demonstrations) about how they would like structural barriers to behavioural/societal change to be removed.

#### Simulation and institutional deliberation are valuable and motivate effective responses to climate risks

Marx et al 7 (Sabine M, Center for Research on Environmental Decisions (CRED) @ Columbia University, Elke U. Weber, Graduate School of Business and Department of Psychology @ Columbia University, Benjamin S. Orlovea, Department of Environmental Science and Policy @ University of California Davis, Anthony Leiserowitz, Decision Research, David H. Krantz, Department of Psychology @ Columbia University, Carla Roncolia, South East Climate Consortium (SECC), Department of Biological and Agricultural Engineering @ University of Georgia and Jennifer Phillips, Bard Centre for Environmental Policy @ Bard College, “Communication and mental processes: Experiential and analytic processing of uncertain climate information”, 2007, http://climate.columbia.edu/sitefiles/file/Marx\_GEC\_2007.pdf)

Based on the observation that experiential and analytic processing systems compete and that personal experience and vivid descriptions are often favored over statistical information, we suggest the following research and policy implications.¶ Communications designed to create, recall and highlight relevant personal experience and to elicit affective responses can lead to more public attention to, processing of, and engagement with forecasts of climate variability and climate change**.** Vicarious experiential information in the **form of scenarios**, narratives, and analogies **can help** the public and **policy makers imagine the potential consequences of climate** variability and **change, amplify** or attenuate **risk perceptions, and influence** both individual behavioral intentions and **public policy preferences.** Likewise, as illustrated by the example of retranslation in the Uganda studies, **the translation of statistical information** into concrete experience **with simulated forecasts, decisionmaking and its outcomes can greatly facilitate an intuitive understanding of** both **probabilities and the** consequences of incremental change and extreme events, and **motivate contingency planning**.¶ Yet, while the engagement of experience-based, affective decision-making can make risk communications more salient and motivate behavior, experiential processing is also subject to its own biases, limitations and distortions, such as the finite pool of worry and single action bias. Experiential processing works best with easily imaginable, emotionally laden material, yet many aspects of climate variability and change are relatively abstract and require a certain level of analytical understanding (e.g., long-term trends in mean temperatures or precipitation). Ideally, communication of **climate forecasts should encourage the interactive engagement of** both analytic and experiential **processing systems in** the course of **making concrete decisions** about climate, ranging from individual choices about what crops to plant in a particular season to broad social choices about how to mitigate or adapt to global climate change.¶ One way to facilitate this interaction is through group and participatory decision-making. As the Uganda example suggests, **group processes allow individuals with a range of knowledge, skills and** personal **experience to share diverse information and perspectives and work together on a problem**. Ideally, groups should include at least one member trained to understand statistical forecast information to ensure that all sources of information—both experiential and analytic—are considered as part of the decision-making process. Communications to groups should also try to translate statistical information into formats readily understood in the language, personal and cultural experience of group members. In a somewhat iterative or cyclical process, the shared concrete information can then be re-abstracted to an analytic level that **leads to action**.¶ Risk and uncertainty are inherent dimensions of all climate forecasts and related decisions. **Analytic products like trend analysis, forecast probabilities, and ranges of uncertainty ought to be valuable contributions to stakeholder decision-making**. Yet decision makers also listen to the inner and communal voices of personal and collective experience, affect and emotion, and cultural values. Both systems—analytic and experiential—should be considered in the design of climate forecasts and risk communications. If not, many analytic products will fall on deaf ears as decision makers continue to rely heavily on personal experience and affective cues to make plans for an uncertain future. The challenge is to find innovative and creative ways to engage both systems in the process of individual and group decision-making.

#### We have a moral obligation to advocate nuclear---any alternative results in extinction due to warming

Baker 12—Executive Director of PopAtomic Studios, the Nuclear Literacy Project (7/25/12, Suzy, Climate Change and Nuclear Energy: We Need to Talk, ansnuclearcafe.org/2012/07/25/climate-change-and-nuclear-energy-we-need-to-talk/)

Ocean Acidification¶ While I was making artistic monuments to single celled organisms in the ceramics studio, new research was emerging about ocean acidification affecting these beautiful and integral pieces of our ecosystem. As the ocean absorbs excess carbon from humans burning fossil fuels, the pH of the ocean is rapidly changing. This means that our ancient oxygen-making pals cannot properly do their job. As their ocean home becomes inhospitable, they are dying off in droves. This not only impacts the ocean’s ability to naturally sequester man made carbon emissions; it also negatively impacts the entire food chain, since they are the primary food source for other multi-cellular ocean creatures, some of which we enjoy eating.¶ Oh, and did I mention that these little phytoplankton are also responsible for creating the ozone layer that protects all life on the planet from cosmic radiation, and they churn out 70-80% of the oxygen we breathe? These creatures are much more than just a pretty floating form.¶ Ocean acidification is the issue that brought me to supporting nuclear energy. Ocean acidification is an often-overlooked aspect of climate change that is potentially more threatening than the heat, the super storms, the fires, the drought, the crop losses, and all of the other trends that we are seeing now, which climate scientists have been warning us about for decades.¶ Climate Change and Nuclear Energy: Like Oil and Water?¶ It didn’t take long for me to find out that in the nuclear industry, climate change is not something we all agree on. Discussing climate change as a concern is often polarizing, and brings up intrinsic conflicts of interest in the larger energy sector (the companies who design/build/run the nuclear plants also happen to design/build/run the fossil fuel plants). I’ve been advised by people who deeply care about me, and the success of my organization, not to bring up climate at all, and to be extremely careful not to base my support of nuclear on climate issues. I’ve also been specifically advised not to make the argument that nuclear energy is the only solution to climate change.¶ When you are the new kid, it is usually best not to make waves if you can help it. So, for the most part, I have heeded that advice and held my tongue, despite myself.¶ However, as I watch the news (and my wilting vegetable garden) and see the magnitude of human suffering that is directly related to increasingly severe weather events, I cannot keep silent. Climate change is why I am here supporting nuclear energy, so what am I doing not talking about it?¶ The CEO of Exxon Mobile recently made clear that despite his company’s acknowledgement of the irrefutable evidence of climate change, and the huge ecological and human cost, he has no intentions of slowing our fossil fuel consumption. In fact, he goes as far to say that getting fossil fuels to developing nations will save millions of lives. While I agree that we need stronger, better energy infrastructure for our world’s poorest nations, I wholly disagree that fossils are the right fit for the job.¶ Fossil fuel usage could be cast as a human rights issue only to the extent that access to reliable and affordable electricity determines what one’s standard of living is. At the same time, fossil fuel usage is the single largest threat to our planet and every species on it. Disregarding the impacts that fossil fuel use poses, merely to protect and increase financial profits, is unethical, and cloaking fossil fuel use as a human rights issue is immoral.¶ Although we are all entitled to our own opinions and beliefs, the idea that climate change and ocean acidification are even up for debate is not reasonable. Just think: The CEO of the largest fossil fuel company in America freely speaks out about climate change, while nuclear energy advocates are pressured to stay silent on the subject.¶ Silence is No Longer an Option¶ I am someone who avoids conflict, who seeks consensus in my personal and professional lives, and so I have followed the advice of well-meaning mentors and stayed silent in hopes of preserving a false peace within my pro-nuclear circles, including my family and friends. But my keeping silent is now over— starting here and starting now—because this is too big and too important to stay silent. I am not alone in believing this, and the nuclear industry does itself no favors by tacitly excluding the growing movement of people who are passionate about the need to use nuclear energy to address climate change.¶ And nuclear power is the only realistic solution. It would be great if there were also other viable solutions that could be easily and quickly embraced; however, the numbers just don’t work out. Renewables and conservation may have done more good if we had utilized them on a large scale 40 years ago, when we were warned that our ecosystem was showing signs of damage from fossils fuels…but at this point it’s really too late for them. And burning more fossil fuels right now, when we have the technologies and know-how to create a carbon-free energy economy, would be the height of foolishness.¶ In the meantime, there is real human suffering, and we here in the developed world are directly causing it. Our poorest brothers and sisters cannot escape the heat. They cannot import food when their crops fail. They cannot buy bottled water when there is a drought. They cannot “engineer a solution” any more than my childhood friends the phytoplankton can.¶ ¶ Energy Choices as an Ethical Obligation¶ We have an ethical obligation to stop killing people with our energy consumption. That statement may sound oversimplified, but let’s be honest—we know that fossil fuels kill approximately 1.3 million people each year through respiratory diseases and cancers, and the death toll for climate change related events rises every day. Yet, we do nothing but dither about climate change politics. Where is the outrage?¶ The fossil fuel industry has been successful at presenting a united front and maintaining consistent strategic communications. In contrast, the safety record and clean energy contributions of nuclear are always overshadowed by politics favoring fossil fuel use. If anything, nuclear advocates should be particularly sensitive that the very same politics are happening with climate science.¶ We should be championing nuclear energy as a science-based solution, instead of enforcing a meek code of silence. People from outside the nuclear industry, like Gwyneth Cravens, Barry Brooks and Tom Blees, have pointed out these relationships, yet the nuclear industry has yet to internalize and accept these realities.¶ How can we expect people to listen to science and not politics when it comes to nuclear energy, but not climate change?¶ Disagreeing with a policy does not change the facts. You can disagree with policy to limit carbon emissions, but that doesn’t change the fact that our fossil fuel consumption is changing the PH of our oceans. Many people disagree with the use of nuclear energy, but that doesn’t change the fact that nuclear is our largest source of carbon free electricity and the safest source of electricity per kilowatt hour.¶ Nuclear Must Lead by Example¶ If we want the public to overcome the cognitive dissonance between science and policy when it comes to nuclear energy, we need to lead by example and overcome our own cognitive dissonance when it comes to climate change — even if it means risking our own interests as members of the larger energy industry. We are not going to run out of fossil fuels any time soon, so the decision to move to carbon-free energy—to move to nuclear energy—must be made willingly, and based on ethical principles, not the limits of our natural resources.¶ As green groups wait endlessly for renewable technologies to have some kind of breakthrough, and nuclear supporters stay mum on climate change, we continue using fossil fuels. Our collective inaction is allowing the destruction of our planet’s ecosystem, the dying of our oceans, and the suffering of the poorest members of our own species. The climate conversation has become so convoluted by politics and greed that many smart, compassionate people have “thrown in the towel.” We should be more concerned than ever at our lack of a comprehensive global response.¶ I strongly believe that there’s still time to reclaim the dialogue about climate change based on ocean acidification evidence, and to use nuclear technologies to improve the long-term outcome for our planet and our species. The first step is acknowledging the complicated and unique role of the nuclear industry in this conflict, and the conflicts of interest that are impeding open communication. The second step is to realize that the climate change community is a potential ally, and that openly addressing the subject of climate change in our communications is in the best interest of the nuclear community. The third step is choosing to do the right thing, not just the polite thing, and reclaim our legitimate role in the energy community as the “top dog” of carbon-free electricity, instead of quietly watching natural gas become “the new coal.”¶ Climate change is not going away—it is getting worse—and each one of us in the nuclear community has an ethical obligation to speak up and to do something about it. I am speaking up for the oceans, for the cyano-bacteria and diatoms and our shared mitochondrial RNA that still fills me with wonder at the beauty of this world. Please join me if you can, to speak up for what you love—and if you cannot, please understand that we all remain nuclear advocates, and that the nuclear community is much stronger with the no-longer-silent climate change harbingers in it.

#### Taking action against warming represents an opportunity to rebuild progressive politics for a more just society, but only if we set aside traditional differences founded around identity in favor of a broad-based coalition

Smith 10 Brendan, co-founder of Labor Network for Sustainability, 11-23, “Fighting Doom: The New Politics of Climate Change,” Common Dreams, http://www.commondreams.org/view/2010/11/23-1

I admit I have arrived late to the party. Only recently have I begun to realize what others have known for decades: The climate crisis is not, at its core, an environmental issue. In fact it is not an "issue" at all; it is an existential threat to every human and community on the planet. It threatens every job, every economy in the world. It threatens the health of our children. It threatens our food and water supply. Climate change will continue to alter the world our species has known for the past three thousand years. As an oyster farmer and longtime political activist, the effects of climate change on my life will be neither distant nor impersonal. Rising greenhouse gases and ocean temperatures may well force me to abandon my 60-acre farm within the next forty years. From France to Washington state, oystermen are already seeing massive die-offs of seed oysters and the thinning shells science has long predicted. I can see the storm clouds and they are foretelling doom. But my political alter ego is oddly less pessimistic. Rather than triggering gloom, the climate crisis has surprisingly stirred up more hope than I have felt in twenty years as a progressive activist. After decades of progressive retreat it is a strange feeling. But I am haunted by the suspicion that this coming crisis may be the first opportunity we have had in generations to radically re-shape the political landscape and build a more just and sustainable society. The Power of Doom The modern progressive movement in the U.S. has traditionally grounded its organizing in the politics of identity and altruism. Organize an affected group -- minorities, gays, janitors or women -- and then ask the public at large to support the cause -- prison reform, gay marriage, labor rights, or abortion -- based on some cocktail of good will, liberal guilt, and moral persuasion. This strategy has been effective at times. But we have failed to bring these mini-movements together into a force powerful enough to enact broad-based social reform. It takes a lot of people to change society and our current strategy has left us small in numbers and weak in power. The highlights of my political life -- as opposed to oystering -- have been marked by winning narrow, often temporary, battles, but perennially losing the larger war. I see the results in every direction I look: growing poverty and unemployment, two wars, the rise of the right, declining unionization, the failure of the Senate's climate legislation and of Copenhagen, the wholesale domination of corporate interests. The list goes on and on. We have lost; it's time to admit our strategy has been too tepid and begin charting anew. This time can be different. What is so promising about the climate crisis is that because it is not an "issue" experienced by one disenfranchised segment of the population, it opens the opportunity for a new organizing calculus for progressives. Except for nuclear annihilation, humanity has never faced so universal a threat where all our futures are bound inextricably together. This universality provides the mortar of common interest required for movement building. We could literally knock on every door on the planet and find someone -- whether they know it or not -- who has a vital self-interest in averting the climate crisis by joining a movement for sustainability. With all of humanity facing doom, we can finally gather under one banner and count our future members not in the thousands but in the millions, even billions. But as former White House "Green Jobs Czar" Van Jones told the New Yorker in 2009, "The challenge is making this an everybody movement, so your main icons are Joe Six-Pack, Joe the Plumber, becoming Joe the Solar Guy, or that kid on the street corner putting down his handgun, picking up a caulk gun." The climate crisis is carrying us into uncharted waters and our political strategy needs to be directed toward making the climate movement an "everybody movement." Let me use a personal example. As an oysterman on Long Island Sound my way of life is threatened by rising greenhouse gases and ocean temperatures. If the climate crisis is not averted my oysters will die and my farm will be shuttered. Saving my livelihood requires that I politically engage at some level. Normally I would gather together my fellow oyster farmers to lobby state and federal officials and hold a protest or two. Maybe I would find a few coalitions to join. But we would remain small in number, wield little power, and our complaints about job loss would fall on largely unsympathetic ears in the face of so many suffering in so many ways. And what would we even petition our government to do about the problem? Buyouts and unemployment benefits? Re-training classes? Our oysters will still die and we will still lose our farms. To save our lives and livelihood we need to burrow down to the root of the problem: halting greenhouse gas emissions. And halting emissions requires joining a movement with the requisite power to dismantle the fossil fuel economy while building a green economy. To tackle such a large target requires my support for every nook and cranny effort to halt greenhouse gases and transition to a green economy. I need to gather up my fellow oyster farmers and link arms with students blocking new coal-fired power plants while fighting for just transition for coal workers; I need to join forces with other green workers around the country to demand government funding for green energy jobs, not more bank and corporate bailouts; I need to support labor movement efforts in China and elsewhere to climb out of poverty by going "green not dirty." I have a stake in these disparate battles not out of political altruism, but because my livelihood and community depend on stopping greenhouse gases and climate change. In other words, the hidden jewel of the climate crisis is that I need others and others need me. We are bound together by the same story of crisis and struggle. Some in the sustainability movement have been taking advantage of the "power of doom" by weaving together novel narratives and alliances around climate change. Groups in Kentucky are complementing their anti-mountain top removal efforts by organizing members of rural electrical co-ops into "New Power" campaigns to force a transition from fossil fuels to renewable power -- and create jobs in the process. Police unions in Canada, recognizing their members will be first responders as climate disasters hit, have reached out to unions in New Orleans to ensure the tragedies that followed Katrina are not repeated. Artists, chefs, farmers, bike mechanics, designers, and others are coalescing into a "green artisan movement" focused on building vibrant sustainable communities. Immigrant organizers, worried about the very real possibility of ever-worsening racial tensions triggered by millions of environmental refugees flooding in from neighboring countries, are educating their membership about why the climate crisis matters. My hope is that over the coming years we will be able to catalog increasing numbers of these tributaries of the climate crisis. Our power will not stem from a long list of issue concerns or sponsors at events -- we have tried that as recently as the October 2nd Washington D.C. "One Nation Working Together" march with little impact. Nor, with the rise of do-it-yourself organizing, will our power spring from top-down political parties of decades past. Instead oystermen like me, driven by the need to save our lives and livelihood, will storm the barricades with others facing the effects of the climate crisis. We will merge our mini-movements under a banner of common crisis, common vision and common struggle. We will be in this fight together and emerge as force not to be trifled with. This Time We Have an Alternative I am also guardedly optimistic because this time we have an alternative. My generation came of age after the fall of communism, and as a result, we have been raised in the midst of one-sided debate. We recognize that neoliberalism has ravaged society, but besides nostalgic calls for socialism, what has been the alternative? As globalization swept the globe, we demanded livable wages and better housing for the poorest in our communities; we fought sweatshops in China; we lobbied for new campaign finance and corporate governance laws. But these are mere patchwork reforms that fail to add up to a full-blown alternative to our current anti-government, free-market system. Never being able to fully picture the progressive alternative left me not fully trusting that progressive answers were viable solutions. But when I hear the proposed solutions to the climate crisis, the fog lifts. I can track the logic and envision the machinery of our alternative. And it sounds surprisingly like a common sense rebuttal to the current free-market mayhem: We face a global emergency of catastrophic proportions. Market fundamentalism will worsen rather than solve the crisis. Instead we need to re-direct our institutions and economic resources toward solving the crisis by replacing our carbon-based economy with a green sustainable economy. And by definition, for an economy to be sustainable it must addresses the longstanding suffering ordinary people face in their lives, ranging from unemployment and poverty to housing and healthcare. For years I have tossed from campaign to campaign, but the framework of our new progressive answer to the climate crisis now provides a roadmap for my political strategy. It helps chart my opponents -- coal companies and their political minions, for example -- as well as my diverse range of allies. It lays out my policy agenda, ranging from creating millions of new green jobs to building affordable green housing in low-income communities. I finally feel confident enough in my bearings to set sail. The Era of Crisis Politics While building a new green economy makes sense on paper, it is hard to imagine our entrenched political system yielding even modest progressive reform, let alone the wholesale re-formatting of the carbon economy. But I suspect this will change in the coming years, with our future governed by cascading political crises, rather than political stasis. We are likely entering an era of crisis politics whereby each escalating environmental disaster -- ranging from water shortages and hurricanes to wildfires and disease outbreaks -- will expose the impotence of our existing political institutions and economic system. In the next 40 years alone, scientists predict a state of permanent drought throughout the Southwest US and climate-linked disease deaths to double. As Danny Thompson, secretary-treasurer of the Nevada AFL-CIO, told the Las Vegas Review Journal, the ever-worsening water crisis could be "the end of the world" that could "turn us upside down, and I don't know how you recover from that." As if that is not enough, these crises will be played out in the context of a global economy spiraling out of control. Each hurricane, drought or recession will send opinion polls and politicians lurching from right to left and vice versa. Think of how quickly, however momentarily, the political debate pivoted in the wake of Katrina, the BP disaster, and the financial crisis. As White House chief of staff Rahm Emanuel famously said "Never let a serious crisis go to waste...It's an opportunity to do things you couldn't do before." While addressing the climate crisis requires radical solutions that cannot be broached in today's political climate, each disaster opens an opportunity to advance alternative agendas -- both for the left and right. While politicians debate modest technical fixes, ordinary people left desperate by floods, fires, droughts and other disasters will increasingly -- and angrily -- demand more fundamental reforms. While our current policy choices appear limited by polls and election results, in an era of crisis politics what appears unrealistic and radical before a storm may well appear as common sense reform in its wake. My generation has been raised in the politics of eternal dusk. Except for a passing ray of hope during the Obama campaign, our years have been marked by the failure of every political force in society -- whether it be political elites or social movement leaders -- to address the problems we face as a nation and world. They have left us spinning towards disaster. We can forge a better future. Climate-generated disasters will bring our doomed future into focus. The failure of political elites to adequately respond to these cascading crises will transform our political landscape and seed the ground for social movements. And if we prepare for the chaos and long battle ahead, our alternative vision will become a necessity rather than an impossibility. As a friend recently said to me, "God help us, I hope you're right."

#### The state is inevitable and an indispensable part of the solution to warming

Eckersley 4 Robyn, Reader/Associate Professor in the Department of Political Science at the University of Melbourne, “The Green State: Rethinking Democracy and Sovereignty”, MIT Press, 2004, Google Books, pp. 3-8

While acknowledging the basis for this antipathy toward the nation- state, and the limitations of state-centric analyses of global ecological degradation, I seek to draw attention to the positive role that states have played, and might increasingly play, in global and domestic politics. Writing more than twenty years ago, Hedley Bull (a proto-constructivist and leading writer in the English school) outlined the state's positive role in world affairs, and his arguments continue to provide a powerful challenge to those who somehow seek to "get beyond the state," as if such a move would provide a more lasting solution to the threat of armed conflict or nuclear war, social and economic injustice, or environmental degradation.10 As Bull argued, **given that the state is here to stay whether we like it or not**, then the call to get "beyond the state is a counsel of despair, at all events if it means that we have to begin by abolishing or subverting the state, rather than that there is a need to build upon it.""¶ In any event, rejecting the "statist frame" of world politics ought not prohibit an inquiry into the emancipatory potential of the **state as a crucial "node" in any future network of global ecological governance**. This is especially so, given that one can expect states to persist as major sites of social and political power for at least the foreseeable future and that **any green transformations of the present political order will, short of revolution, necessarily be state-dependent**. Thus, like it or not, those concerned about **ecological destruction must contend with existing institutions** and, where possible, seek to "rebuild the ship while still at sea." And if states are so implicated in ecological destruction, then an inquiry into the potential for their transformation even their modest reform into something that is at least more conducive to ecological sustainability would seem to be compelling.¶ Of course, it would be unhelpful to become singularly fixated on the redesign of the state at the expense of other institutions of governance. States are not the only institutions that limit, condition, shape, and direct political power, and it is necessary to keep in view the broader spectrum of formal and informal institutions of governance (e.g., local, national, regional, and international) that are implicated in global environmental change. Nonetheless, while the state constitutes only one modality of political power, it is an especially significant one because of its historical claims to exclusive rule over territory and peoples—as expressed in the principle of state sovereignty. As Gianfranco Poggi explains, the political power concentrated in the state "is a momentous, pervasive, critical phenomenon. **Together with other forms of social power, it constitutes an indispensable medium for constructing and shaping larger social realities**, for establishing, shaping and maintaining all broader and more durable collectivities."12 States play, in varying degrees, significant roles in structuring life chances, in distributing wealth, privilege, information, and risks, in upholding civil and political rights, and in securing private property rights and providing the legal/regulatory framework for capitalism**. Every one of these dimensions of state activity has, for good or ill, a significant bearing on the global environmental crisis**. Given that the green political project is one that demands far-reaching changes to both economies and societies, it is difficult to imagine how such changes might occur on the kind of scale that is needed **without the active support of states**. While it is often observed that states are too big to deal with local ecological problems and too small to deal with global ones, the state nonetheless holds, as Lennart Lundqvist puts it, "a unique position in the constitutive hierarchy from individuals through villages, regions and nations all the way to global organizations. The state is inclusive of lower political and administrative levels, and exclusive in speaking for its whole territory and population in relation to the outside world."13 In short, it seems to me inconceivable to advance ecological emancipation without also engaging with and seeking to transform state power.¶ Of course, not all states are democratic states, and the green movement has long been wary of the coercive powers that all states reputedly enjoy. Coercion (and not democracy) is also central to Max Weber's classic sociological understanding of the state as "a human community that (successfully) claims the monopoly of the legitimate use of physical force within a given territory."14 Weber believed that the state could not be defined sociologically in terms of its ends\* only formally as an organization in terms of the particular means that are peculiar to it.15 Moreover his concept of legitimacy was merely concerned with whether rules were accepted by subjects as valid (for whatever reason); he did not offer a normative theory as to the circumstances when particular rules ought to be accepted or whether beliefs about the validity of rules were justified. Legitimacy was a contingent fact, and in view of his understanding of politics as a struggle for power in the context of an increasingly disenchanted world, likely to become an increasingly unstable achievement.16¶ In contrast to Weber, my approach to the state is explicitly normative and explicitly concerned with the purpose of states, and the democratic basis of their legitimacy. It focuses on the limitations of liberal normative theories of the state (and associated ideals of a just constitutional arrangement), and it proposes instead an alternative green theory that seeks to redress the deficiencies in liberal theory. Nor is my account as bleak as Weber's. The fact that states possess a monopoly of control over the means of coercion is a most serious matter, but it does not necessarily imply that they must have frequent recourse to that power. In any event, whether the use of the state's coercive powers is to be deplored or welcomed turns on the purposes for which that power is exercised, the manner in which it is exercised, and whether it is managed in public, transparent, and accountable ways—a judgment that must be made against a background of changing problems, practices, and under- standings. The coercive arm of the state can be used to "bust" political demonstrations and invade privacy. **It can also be used to prevent human rights abuses, curb the excesses of corporate power, and protect the environment.**¶ In short, although the political autonomy of states is widely believed to be in decline, **there are still few social institution that can match the** same degree of capacity and potential legitimacy that **states have to redirect societies and economies along more ecologically sustainable lines to address ecological problems** such as global warming and pollution, the buildup of toxic and nuclear wastes and the rapid erosion of the earth's biodiversity. States—particularly when they act collectively—have the capacity to curb the socially and ecologically harmful consequences of capitalism. They are also more amenable to democratization than cor- porations, notwithstanding the ascendancy of the neoliberal state in the increasingly competitive global economy. There are therefore many good reasons why green political theorists need to think not only critically but also constructively about the state and the state system. While the state is certainly not "healthy" at the present historical juncture, in this book I nonetheless join Poggi by offering "a timid two cheers for the old beast," at least as a potentially more significant ally in the green cause.17

#### Pragmatic warming policy is effective and key to prevent extinction

Simpson 10 (Francis, College of Engineering, Vanderbilt University, “Environmental Pragmatism and its Application to Climate Change The Moral Obligations of Developed and Developing Nations to Avert Climate Change as viewed through Technological Pragmatism”, Spring 2010 | Volume 6 | Number 1)

Pragmatism and Footprinting¶ Environmental pragmatism is a relatively new field of environmental ethics that seeks to move beyond the strictly theoretical exercises normal in philosophy and allows the environmental movement to formulate substantial new policies (Light, 1). Environmental Pragmatism was initially posited by Bryan Norton and evolved to not take a stance over the dispute between non-anthropocentric and anthropocentric ethics. Distancing himself from this dispute, he preferred to distinguish between strong and weak anthropocentricism (Light, 290-291, 298). The main philosophers involved in advancing the debate in environmental pragmatism include Eric Katz, Andrew Light, and Bryan Norton. **This particular discipline advocates moral pluralism, implying that the environmental problems being faced have multiple correct solutions.** Light argues that the urgency of ecological crises requires that action is necessary through negotiation and compromise. While theorists serve to further the field of environmental ethics and to debate the metaethical basis of various environmental philosophies**, some answers to questions are best left to private discussion rather than taking time to argue about them publically** (introduction of pragmatism). Pragmatism believes that if two theories are equally able to provide solutions to a given problem, then debate on which is more is argued that: “the commitment to solving environmental problems is the only precondition for any workable and democratic political theory” (Light, 11). While the science behind a footprint is well understood, what can the synthesis of environmental pragmatism and footprinting tell us about the moral obligation to avert climate change? How does grounding the practice of sustainability footprinting in environmental pragmatism generate moral prescriptions for averting climate change?¶ Environmental Pragmatism necessitates the need for tools in engineering to be developed and applied to avert the climate change problem, since **pragmatism** inherently **calls for bridging the gap between theory and policy/ practices**. With the theory of pragmatism in mind, further research and development of tools such as life-cycle analysis and footprinting are potential policy tools that are necessary under a pragmatist viewpoint so that informed decisions can be made by policy makers. Since the role of life-cycle analysis and footprinting attempt to improve the efficiency and decrease the overall environmental impact of a given process, good, or service, environmental pragmatism would call for the further development and usage of these tools so that we can continue to develop sustainably and fulfill our moral obligation to future generations. By utilizing footprinting and life-cycle analysis, it becomes possible to make environmentally conscious decisions not only based upon a gut instinct but additionally based on sound science. Finally, in regards to averting climate change, footprinting and life-cycle analysis offer another dimension to traditional cost-benefit analysis and can allow for our moral obligation to future generations to weigh into final decisions which will eventually result in policies and/ or a production of a good or service. Since traditional cost benefit analysis does not account for the environment explicitly, pragmatism would call for the application of these tools to ensure that the environment is adequately protected for future generations.¶ Climate change modeling inherently contains **many unknowns** in terms of future outcomes and applied simplifications, **but these factors should not be enough to hold us back from an environmental pragmatism stand point.** Rather than hiding behind a veil of uncertainty **with the science, the uncertainty of the** possible catastrophic outcomes demands action on the part of every human individual. Environmental pragmatism could also adopt a view point like the precautionary principle where a given action has great uncertainty, but also great consequence (Haller). Since we are attempting to protect human lives and prevent unnecessary suffering, **environmental pragmatism would dictate that we should take action now and** stop debating the theoretical aspects **of this problem**. A moral obligation exists to protect human life, and it becomes our obligation to avert climate change. Despite the relatively high economic costs of averting climate change, it is worth noting that the creation of green jobs and new sectors will help to stimulate the economy rather than completely hindering it. People inherently fear change, and it is my opinion that averting climate change requires a drastic change in our consumption patterns, an important reason why people are resisting averting climate change. From an environmental pragmatism viewpoint, it is humanities responsibility to avert climate change before it is too late since we have a moral obligation to protect the future of humanity and the biosphere.

#### Scientific knowledge is best because it subjects itself to constant refinement based on empirical evidence

Hutcheon 93—former prof of sociology of education at U Regina and U British Columbia. Former research advisor to the Health Promotion Branch of the Canadian Department of Health and Welfare and as a director of the Vanier Institute of the Family. Phd in sociology, began at Yale and finished at U Queensland. (Pat, A Critique of "Biology as Ideology: The Doctrine of DNA", http://www.humanists.net/pdhutcheon/humanist%20articles/lewontn.htm)

The introductory lecture in this series articulated the increasingly popular "postmodernist" claim that all science is ideology. Lewontin then proceeded to justify this by stating the obvious: that scientists are human like the rest of us and subject to the same biases and socio-cultural imperatives. Although he did not actually say it, his comments seemed to imply that the enterprise of scientific research and knowledge building could therefore be no different and no more reliable as a guide to action than any other set of opinions. The trouble is that, in order to reach such an conclusion, one would have to ignore all those aspects of the scientific endeavor that do in fact distinguish it from other types and sources of belief formation.¶ Indeed, if the integrity of the scientific endeavor depended only on the wisdom and objectivity of the individuals engaged in it we would be in trouble. North American agriculture would today be in the state of that in Russia today. In fact it would be much worse, for the Soviets threw out Lysenko's ideology-masquerading-as-science decades ago. Precisely because an alternative scientific model was available (thanks to the disparaged Darwinian theory) the former Eastern bloc countries have been partially successful in overcoming the destructive chain of consequences which blind faith in ideology had set in motion. This is what Lewontin's old Russian dissident professor meant when he said that the truth must be spoken, even at great personal cost. How sad that Lewontin has apparently failed to understand the fact that while scientific knowledge -- with the power it gives us -- can and does allow humanity to change the world, ideological beliefs have consequences too. By rendering their proponents politically powerful but rationally and instrumentally impotent, they throw up insurmountable barriers to reasoned and value-guided social change.¶ What are the crucial differences between ideology and science that Lewonton has ignored? Both Karl Popper and Thomas Kuhn have spelled these out with great care -- the former throughout a long lifetime of scholarship devoted to that precise objective. Stephen Jay Gould has also done a sound job in this area. How strange that someone with the status of Lewontin, in a series of lectures supposedly covering the same subject, would not at least have dealt with their arguments!¶ Science has to do with the search for regularities in what humans experience of their physical and social environments, beginning with the most simple units discernible, and gradually moving towards the more complex. It has to do with expressing these regularities in the clearest and most precise language possible, so that cause-and-effect relations among the parts of the system under study can be publicly and rigorously tested. And it has to do with devising explanations of those empirical regularities which have survived all attempts to falsify them. These explanations, once phrased in the form of testable hypotheses, become predictors of future events. In other words, they lead to further conjectures of additional relationships which, in their turn, must survive repeated public attempts to prove them wanting -- if the set of related explanations (or theory) is to continue to operate as a fruitful guide for subsequent research.¶ This means that science, unlike mythology and ideology, has a self-correcting mechanism at its very heart. A conjecture, to be classed as scientific, must be amenable to empirical test. It must, above all, be open to refutation by experience. There is a rigorous set of rules according to which hypotheses are formulated and research findings are arrived at, reported and replicated. It is this process -- not the lack of prejudice of the particular scientist, or his negotiating ability, or even his political power within the relevant university department -- that ensures the reliability of scientific knowledge. The conditions established by the community of science is one of precisely defined and regulated "intersubjectivity". Under these conditions the theory that wins out, and subsequently prevails, does so not because of its agreement with conventional wisdom or because of the political power of its proponents, as is often the case with ideology. The survival of a scientific theory such as Darwin's is due, instead, to its power to explain and predict observable regularities in human experience, while withstanding worldwide attempts to refute it -- and proving itself open to elaboration and expansion in the process. In this sense only is scientific knowledge objective and universal. All this has little relationship to the claim of an absolute universality of objective "truth" apart from human strivings that Lewontin has attributed to scientists.¶ Because ideologies, on the other hand, do claim to represent truth, they are incapable of generating a means by which they can be corrected as circumstances change. Legitimate science makes no such claims. Scientific tests are not tests of verisimilitude. Science does not aim for "true" theories purporting to reflect an accurate picture of the "essence" of reality. It leaves such claims of infallibility to ideology. The tests of science, therefore, are in terms of workability and falsifiability, and its propositions are accordingly tentative in nature. A successful scientific theory is one which, while guiding the research in a particular problem area, is continuously elaborated, revised and refined, until it is eventually superseded by that very hypothesis-making and testing process that it helped to define and sharpen. An ideology, on the other hand, would be considered to have failed under those conditions, for the "truth" must be for all time. More than anything, it is this difference that confuses those ideological thinkers who are compelled to attack Darwin's theory of evolution precisely because of its success as a scientific theory. For them, and the world of desired and imagined certainty in which they live, that very success in contributing to a continuously evolving body of increasingly reliable -- albeit inevitably tentative -- knowledge can only mean failure, in that the theory itself has altered in the process.

#### Advocacy for specific policy reform is key to environmental justice movements---refusal of policy relevance ensures marginalization

Douglas S. Noonan 5, Assistant Professor, School of Public Policy, Georgia Institute of Technology, 2005, “DEFINING ENVIRONMENTAL JUSTICE: POLICY DESIGN LESSONS FROM THE PRACTICE OF EJ RESEARCH,” http://www.prism.gatech.edu/~dn56/EJ.APPAM.pdf

The negotiated nature of environmental policymaking holds some stark lessons for policymakers and analysts alike. Even if there were no uncertainty – and all of the useful scientific evidence was available – the heterogeneous interests of affected parties would persist. When policies ultimately seek to reconcile these competing interests, essentially answering questions of social choice (for which optimal solutions may not be available either in theory or due to practical limits to policy), only rarely or never would a policy process be such that selfish advocacy by interest groups yields both individually and socially optimal outcomes. In the environmental policy arena, the disconnect between the pursuit of individual interests and the pursuit of collective goals is paramount. In this sense, the acrimony surrounding many environmental policy debates is both undersandable and inevitable. ¶ Although this preface might apply equally well to discussions of “climate change policy” or “species/wilderness preservation policy,” the application to environmental justice (EJ) provides an opportune arena in which to observe the interplay between environmental policymaking and the (allegedly) relevant research. Environmental justice is a major theme in environmental and social policy. Its researchers are legion. Their output is voluminous. A debate about the empirical evidence and about appropriate policies continues among academics. In more public forums, interest groups routinely cite environmental justice in advocating for policy reforms. As is typical in policy debates, advocates select evidence to cite in support of their position. The influence of scholarly EJ research on policymakers, however, is less than straightforward. If the mounting evidence provides only partial answers or, as is common, answers to questions only marginally relevant to policymakers, then even hundreds of books 1 on the subject may do little to sway public policy. Or, conversely, the evidence’s influence may far outstrip its limited relevance. Regardless, like many other environmental policy topics, the role of scholarly research in policy design is inevitably contentious and complex. ¶ The purpose of this paper is to offer some insight about policy design from the scholarly literature on EJ. After scaling this mountain of literature, what are the important lessons to be learned for making EJ policy? From this vantage, this paper critiques the field of EJ research. It also offers some suggestions for a more policy-relevant research agenda. The conclusion returns to the broad assessment of EJ policy and suggests some future directions for designing policy and framing the discourse.

#### Allowing warming to continue perpetuates racist inequalities

Hoerner 8**—**Former director of Research at the Center for a Sustainable Economy, Director of Tax Policy at the Center for Global Change at the University of Maryland College Park, and editor of Natural Resources Tax Review. He has done research on environmental economics and policy on behalf of the governments of Canada, France, Germany, the Netherlands, Switzerland, and the United States. Andrew received his B.A. in Economics from Cornell University and a J.D. from Case Western Reserve School of Law—AND—Nia Robins—former inaugural Climate Justice Corps Fellow in 2003, director of Environmental Justice and Climate Change Initiative (J. Andrew, “A Climate of Change African Americans, Global Warming, and a Just Climate Policy for the U.S.” July 2008, http://www.ejcc.org/climateofchange.pdf)

Everywhere we turn, the issues and impacts of climate change confront us. One of the most serious environmental threats facing the world today, climate change has moved from the minds of scientists and offices of environmentalists to the mainstream. Though the media is dominated by images of polar bears, melting glaciers, flooded lands, and arid desserts, there is a human face to this story as well. Climate change is not only an issue of the environment; it is also an issue of justice and human rights, one that dangerously intersects race and class. All over the world people of color, Indigenous Peoples and low-income communities bear disproportionate burdens from climate change itself, from ill-designed policies to prevent it, and from side effects of the energy systems that cause it. A Climate of Change explores the impacts of climate change on African Americans, from health to economics to community, and considers what policies would most harm or benefit African Americans—and the nation as a whole. African Americans are thirteen percent of the U.S. population and on average emit nearly twenty percent less greenhouse gases than non-Hispanic whites per capita. Though far less responsible for climate change, African Americans are significantly more vulnerable to its effects than non- Hispanic whites. Health, housing, economic well-being, culture, and social stability are harmed from such manifestations of climate change as storms, floods, and climate variability. African Americans are also more vulnerable to higher energy bills, unemployment, recessions caused by global energy price shocks, and a greater economic burden from military operations designed to protect the flow of oil to the U.S. Climate Justice: The Time Is Now Ultimately, accomplishing climate justice will require that new alliances are forged and traditional movements are transformed. An effective policy to address the challenges of global warming cannot be crafted until race and equity are part of the discussion from the outset and an integral part of the solution. This report finds that: Global warming amplifies nearly all existing inequalities. Under global warming, injustices that are already unsustainable become catastrophic. Thus it is essential to recognize that all justice is climate justice and that the struggle for racial and economic justice is an unavoidable part of the fight to halt global warming. Sound global warming policy is also economic and racial justice policy. Successfully adopting a sound global warming policy will do as much to strengthen the economies of low-income communities and communities of color as any other currently plausible stride toward economic justice. Climate policies that best serve African Americans also best serve a just and strong United States. This paper shows that policies well-designed to benefit African Americans also provide the most benefit to all people in the U.S. Climate policies that best serve African Americans and other disproportionately affected communities also best serve global economic and environmental justice. Domestic reductions in global warming pollution and support for such reductions in developing nations financed by polluter-pays principles provide the greatest benefit to African Americans, the peoples of Africa, and people across the Global South. A distinctive African American voice is critical for climate justice. Currently, legislation is being drafted, proposed, and considered without any significant input from the communities most affected. Special interests are represented by powerful lobbies, while traditional environmentalists often fail to engage people of color, Indigenous Peoples, and low-income communities until after the political playing field has been defined and limited to conventional environmental goals. A strong focus on equity is essential to the success of the environmental cause, but equity issues cannot be adequately addressed by isolating the voices of communities that are disproportionately impacted. Engagement in climate change policy must be moved from the White House and the halls of Congress to social circles, classrooms, kitchens, and congregations. The time is now for those disproportionately affected to assume leadership in the climate change debate, to speak truth to power, and to assert rights to social, environmental and economic justice. Taken together, these actions affirm a vital truth that will bring communities together: Climate Justice is Common Justice. African Americans and Vulnerability In this report, it is shown that African Americans are disproportionately affected by climate change. African Americans Are at Greater Risk from Climate Change and Global Warming Co-Pollutants ¶ • The six states with the highest African American population are all in the Atlantic hurricane zone, and are expected to experience more intense storms resembling Katrina and Rita in the future. ¶ • Global warming is expected to increase the frequency and intensity of heat waves or extreme heat events. African Americans suffer heat death at one hundred fifty to two hundred percent of the rate for non-Hispanic whites. ¶ • Seventy-one percent of African Americans live in counties in violation of federal air pollution standards, as compared to fifty-eight percent of the white population. Seventy-eight percent of African Americans live within thirty miles of a coal-fired power plant, as compared to fifty-six percent of non-Hispanic whites. ¶ • Asthma has strong associations with air pollution, and African Americans have a thirty-six percent higher rate of incidents of asthma than whites. Asthma is three times as likely to lead to emergency room visits or deaths for African Americans. ¶ • This study finds that a twenty-five percent reduction in greenhouse gases—similar to what passed in California and is proposed in major federal legislation—would reduce infant mortality by at least two percent, asthma by at least sixteen percent, and mortality from particulates by at least 6,000 to 12,000 deaths per year. Other estimates have run as high as 33,000 fewer deaths per year. A disproportionate number of the lives saved by these proposed reductions would be African American. African Americans Are Economically More Vulnerable to Disasters and Illnesses ¶ • In 2006, twenty percent of African Americans had no health insurance, including fourteen percent of African American children—nearly twice the rate of non-Hispanic whites. ¶ • In the absence of insurance, disasters and illness (which will increase with global warming) could be cushioned by income and accumulated wealth. However, the average income of African American households is fifty-seven percent that of non-Hispanic whites, and median wealth is only one-tenth that of non-Hispanic whites. ¶ • Racist stereotypes have been shown to reduce aid donations and impede service delivery to African Americans in the wake of hurricanes, floods, fires and other climate-related disasters as compared to non-Hispanic whites in similar circumstances. African Americans Are at Greater Risk from Energy Price Shocks ¶ • African Americans spend thirty percent more of their income on energy than non-Hispanic whites. • Energy price increases have contributed to seventy to eighty percent of recent recessions. The increase in unemployment of African Americans during energy caused recessions is twice that of non-Hispanic whites, costing the community an average of one percent of income every year. • Reducing economic dependence on energy will alleviate the frequency and severity of recessions and the economic disparities they generate. African Americans Pay a Heavy Price and a Disproportionate Share of the Cost of Wars for Oil • Oil company profits in excess of the normal rate of profit for U.S. industries cost the average household $611 in 2006 alone and are still rising. • The total cost of the war in Iraq borne by African Americans will be $29,000 per household if the resulting deficit is financed by tax increases, and $32,000 if the debt is repaid by spending cuts. This is more than three times the median assets of African American households. A Clean Energy Future Creates Far More Jobs for African Americans • Fossil fuel extraction industries employ a far lower proportion of African Americans on average compared to other industries. Conversely, renewable electricity generation employs three to five times as many people as comparable electricity generation from fossil fuels, a higher proportion of whom are African American. ¶ • Switching just one percent of total electricity generating capacity per year from conventional to renewable sources would result in an additional 61,000 to 84,000 jobs for African Americans by 2030. ¶ • A well-designed comprehensive climate plan achieving emission reductions comparable to the Kyoto Protocol would create over 430,000 jobs for African Americans by 2030, reducing the African American unemployment rate by 1.8 percentage points and raising the average African American income by 3 to 4 percent.

# 2AC

## Case

### 2AC FW

#### Anti-nuclear opposition is responsible for the spread of coal; their alternative simply re-affirms the structural forces that make anti-blackness possible in the form of coal pollution

King 9 - Host and Executive Producer of “White House Chronicle” — a news and public affairs program airing on PBS

After 40 Years, Environmentalists Start To See the Nuclear Light, Llewellyn King, November 25, 2009 – 8:47 pm

Although very little happened, Nov. 24 was a red letter day for the nation’s nuclear power industry. No new nuclear reactors were purchased, no breakthrough in treating nuclear waste was announced, and the Obama administration did not declare that it would pay for new reactors.¶ Instead, the source of the industry’s happiness was The Washington Post leading Page One with an article that detailed how the environmental movement, after 40 years of bitter opposition, now concedes that nuclear power will play a role in averting further harm from global warming.¶ Mind you, not every environmental group has come around, but the feared and respected Natural Resources Defense Council has allowed that there is a place for nuclear power in the world’s generating mix and Stephen Tindale, a former anti-nuclear activist with Friends of the Earth in the United Kingdom, has said, yes, we need nuclear.¶ For the nuclear industry which has felt itself vilified, constrained and damaged by the ceaseless and sometimes pathological opposition of the environmental movement, this changing attitude is manna from on high.¶ No matter that the environmentalists, in opposing nuclear since the late 1960s, have critically wounded the U.S. reactor industry and contributed to the construction of scores of coal and gas-fired plants that would not have been built without their opposition to nuclear.¶ In short, the environmental movement contributed in no small way to driving electric utilities to the carbon fuels they now are seeking to curtail.¶ Nuclear was such a target of the environmental movement that it embraced the “anything but nuclear” policy with abandon. Ergo its enthusiasm for all forms of alternative energy and its spreading of the belief —still popular in left-wing circles — that wind and solar power, with a strong dose of conservation, is all that is needed.¶ A third generation of environmental activists, who have been preoccupied with global climate change, have come to understand that a substantial amount of new electric generation is needed. Also some environmentalists are beginning to be concerned about the visual impact of wind turbines, not to mention their lethality to bats and birds.¶ Of all of the deleterious impacts of modern life on the Earth, it is reasonable to ask why the environmentalists went after nuclear power. And why they were opposed to nuclear power even before the 1979 accident at Three Mile Island in Pennsylvania and the catastrophic 1986 Chernobyl reactor failure in Ukraine. Those deserved pause, but the movement had already indicted the entire nuclear enterprise.¶ Having written about nuclear energy since 1969, I have come to believe that the environmental movement seized on nuclear first because it was an available target for legitimate anger that had spawned the movement in the ’60s. The licensing of nuclear power plants gave the protesters of the time one of the only opportunities to affect public policy in energy. They seized it; at first timorously, and then with gusto.¶ The escalation in environmental targets tells the story of how the movement grew in confidence and expertise; and how it added political allies, like Ralph Nader and Rep. Ed Markey, D-Mass.¶ The first target was simply the plants’ cooling water heating up rivers and estuaries. That was followed by wild extrapolations of the consequences of radiation (mutated children). Finally, it settled on the disposition of nuclear waste; that one stuck, and was a lever that turned public opinion easily. Just mention the 240,000-year half-life of plutonium without mentioning how, as an alpha-emitter, it is easily contained.¶ It is not that we do not need an environmental movement. We do. It is just that sometimes it gets things wrong.¶ In the days of the Atomic Energy Commission, the environmental groups complained that it was policeman, judge and jury. Indeed.¶ But environmental groups are guilty of defining environmental virtue and then policing it, even when the result is a grave distortion, as in the nuclear imbroglio. Being both the arbiter of environmental purity and the enforcer has cost the environment 40 years when it comes to reducing greenhouse gases.

### AT: Rev Alt

#### We don’t need a revolution, we need a blueprint for political change

McWhorter 8-PhD in Linguistics @ Stanford University, Associate Professor of Linguistics @ UC-Berkeley, lecturer @ Columbia University, M.A. in American Studies @ NYU, Fellow @ the Manhattan Institute for Policy Research, Contributing Editor @ the Manhattan Institutes City Journal, author of several books on Hip Hop in American Culture [John, All About the Beat, June 2008, Pg. 130-133]

A question that must be asked is also just what a black revolution would even be about today. Certainly black America has serious problems. However, a revolution does not consist solely of howling grievances. For a revolutionary effort to be worth anyone's time, the demands have to be ones that those being revolted against have some way of fulfilling. In one episode of the animated version of Aaron McGruder's *The Boondocks,* there is an articulate depiction of the idea that black people need to Rise Up as a group and Make Demands. Huey, whose bitter frown is as in­grained in his design as a vapid smile is on Mickey Mouse, imagines that Martin Luther King comes back to life and inspires a revolution in black America, graphically indi­cated as hordes of blacks swarming the gates at the White House. "It's fun to dream," Huey concludes, the idea being that black people know what to rise up against, but that they would run up against the heartless moral cesspool that is AmeriKKKa, where, say, "George Bush doesn't care about black people." But the question is: what would the people at the gates, if attended to, demand? Fifty years ago, the demands were obvious: dismantle Jim Crow. And since then, a lot more has been given: affirmative action, the transformation of welfare from a stingy program for widows to an open- ended dole for any unmarried woman with children (done largely as riot insurance in the late 1960s, called for by left­ist activists including black ones) ... I could go on. So—yes, black America still has problems. Yes, there is still racism. But what is it that the White House should do now, in 2008, that is staring everyone in the face but hasn't happened because white people just "don't care" and the black community has failed to "demand" it? What? Precisely? I am not implying that what needs to happen is black people getting acquainted with those "bootstraps" we hear so much about. But the problems are not the kind that could be solved by simply buckshotting whitey with the usual cries of "racism." Would the people at the gates be calling for inner city schools to get as much money as schools in leafy white suburbs? If they did, they would see the same thing that has happened when exactly that was done in places like New Jersey and Kansas City: nothing changes. Obviously something needs to be done about the schools. But what, of the sort that should be shouted through the White House fence? How many of the shouters would know about poor black kids kicking academic butt in KIPP schools? Or in other charter schools filled with kids there because of—oh dear—vouchers, in Ohio and Florida? Let's face it—most of the people at that fence would draw a blank on what KIPP schools even were, much less the good that vouchers are doing. Some revolution. Would the people at the gates be calling for police forces to stop beating up on young black men and some­times killing them? Well, that's a legitimate concern. But the revolution on that is already happening, in every American city making concerted efforts to foster dialogue between the police and the street. We're not there yet, but things are better. Anyone who says that the shooting death of Sean Bell in 2006 in New York was evidence that noth­ing had changed since the death of Amadou Diallo in 1998 knows little of what the relationship between the police and black people was like in New York and so many other places before the nineties. In 1960, the death of Amadou Diallo would have made the local papers only, for one day, and, even in those papers, on some back page. It wouldn't have been considered important news. Going through newspapers of that era, one constantly comes across stories about things that happened to "Negroes," on page A31, that today would be front-page breaking news. We are blissfully past that America. And back to the main point: what could the White House do to prevent things like the Diallo and Bell inci­dents? What simple, wave-the-wand policy point would make it so that never again would a young black man be killed by the police in dicey circumstances where every­body lost his head for a minute or so? The relationship between police forces and black people is not as simple as something that could be changed by storming through a gate, which is obvious from how persistent that prob­lem has been despite profound changes on so many other fronts.

#### Violence and genocide is the inevitable result of alt

Horowitz 89—David, author and civil rights activist, founder of the New Left in the 1960s and editor of its largest magazine, Rampart, and Peter Colier, journalist, "Destructive Generation", pp 265-270

The manufacture of innocence out of guilt: it is the eternal work of the Left. The true genius of radicalism is constant **self-recreation and reappearance in new guise**s. Never mind that the sloughcd-off skins it leaves behind are fossilized remains of the death and destruction caused by its past commitments. For Leftists, there are **only tomorrows**. They never talk about the evil they have done, except superficially, to imply (as Hayden does) that it has increased their moral sensitivity. But they are always anxious to discuss the Utopia to come. The future perfect is the only tense in their political grammar. Thus they are willing to **criticize every revolution but the one currently unfolding**—the one in which there is still a choice. Their opponents' misdeeds must never be forgotten, but their own can never really be recalled. While Central America is alleged by Leftists to be "another Vietnam," Nicaragua is never another Cuba.

How does the Left maintain its belief against the crushing weight of its failures in the past? By recycling its innocence, which allows it to be born again in its Utopian faith. The utopianism of the Left is a secular religion (as the vogue of "liberation theology" attests), its promise an earthly kingdom of heaven. However sordid Leftist practice may be, defending Leftist ideals is, for the true believer, tantamount to defending the ideals of humanity itself. To protect the faith is the highest calling of the radical creed. The more the evidence weighs against the belief, the more noble the act of believing becomes. In this sense, Ter-tullian is the true father of the radical church. "Credo quia impossi-bile": "I believe because it is impossible."

In the Stalin era, an English Quaker, returning from a visit to Bolshevik Russia, reported to his flock:

The Communist view of human nature seems to me far more inspired by Faith, Hope and Charity than our own— The simple unostentatious life of Russia's rulers represents a notable advance in real civilization—real because based on a more enlightened interpretation of human nature, both of its needs and capacities; an interpretation which incidentally is also a more Christian one.

Almost forty years later, in the mid-Sixties, the Reverend William Sloane Coffin declared that "Communism is a page torn out of the Bible" and that "the social justice that's been achieved in ... North Vietnam [is] an achievement no Christian society on that scale has ever achieved ." Today, softheaded Witness for Peaceniks come home from Managua saying much the same thing. It is understandable that they should have found a heaven on earth there, for the Sandinistas have consecrated the marriage of the religious and the revolutionary by combining the offices of comandante and priest. "For me, the four Gospels are all equally Communist" declared the Marxist padre Ernesto Cardenal. So committed is he to the infallibility of his spiritual and temporal leader that after returning from a trip to Havana to kiss Castro's ring, Cardenal reported that Cuba's homosexuals "were actually happier in the concentration camps [that Castro had built for themj, a place like that where they were all together must have been almost like paradise for them."

It is often observed that a symmetry exists between the extreme ends of the political spectrum, that the fanatics of the Right are mirror images of the zealots on the Left. But once we leave the extremes, there is this tangible difference: the Right seeks to conserve (and the Left to undermine) workaday democracy; the Left seeks to defend (and the Right to defeat) the destructive fantasy of a heaven on earth. This is why American Leftists in their "innocence" embrace political evil in a way that American conservatives in their realism do not. A Bill Buckley might defend a Pinochet in Chile on pragmatic grounds as "our sonofabitch," but he would never call him "the Abraham Lincoln of his people," as Jesse Jackson has praised Communist dictators like Fidel Castro and Daniel Ortega. Nor would the Right defend Chile as a brave new society pioneering the path to humanity's future, the way the Left has defended Soviet Russia, the People's Republic of China, Communist Cuba, Nicaragua, and all the other socialist despotisms. It is this religious confusion and moral corruption that defines the utopianism of the Left. It insists on imposing the idea of salvation on a temporal reality that is by its nature flawed; in so doing, it exploits mankind's faith, as well as its hope and charity.

If self-righteousness is the moral oxygen of the radical creed, self-deception is the marrow of its immune system. Credo quia impossi-bile: because what he believes is impossible, the radical believes because it is necessary to believe.

Malcolm Muggeridge observed the prototypes of the radical faithful on a tour of Russia in the 1930s:

Their delight in all they saw and were told, and the expression they gave to this delight, constitute unquestionably one of the wonders of our age. There were earnest advocates of the humane killing of cattle who looked up at the massive headquarters of the OGPU with tears of gratitude in their eyes, earnest advocates of proportional representation who eagerly assented when the necessity for a Dictatorship of the Proletariat was explained to them, earnest clergymen who walked reverently through anti-God museums and reverently turned the pages of atheistic literature, earnest pacifists who watched delightedly tanks rattle across the Red Square and bombing planes darken the sky, earnest town-planning specialists who stood outside overcrowded ramshackle tenements and muttered: "If only we had something like this in England!" The almost unbelievable credulity of these mostly university-educated tourists astonished even Soviet officials used to handling foreign visitors.

After Stalin's death, when the Soviet rulers were forced to admit a considerable part of the terrible truth, many of their progressive supporters also had confessions to make: In fact, they had not really been so credulous as they appeared. Their seeming innocence, as Nobel novelist Halldor Laxness explained, actually had an element of guile: "We feared that the final victory of Socialism would be hampered and hindered if the truth about Stalin's paradise were revealed to the public"

It is easy for today's Leftists to dismiss such revelations, saying that "that was then and this is now"—that Stalin is long dead, his memory having been exhumed and then desecrated by Gorbachev as well as Khrushchev. But as new Marxist paradises have sprouted in China, Cuba, Vietnam, Nicaragua, and elsewhere, new generations of revolutionary tourists have made their visits and come away reporting that they had seen a future that really worked. Back home they have spread the new gospel, their voices filled with what Milan Kundera has called the "totalitarian poetry" of the socialist cause: the lyrical promises that lead directly to the gulag—waiting room of the socialist paradise.

But while Utopian fantasies provide socialism with a shield against external criticism, within its own borders a brutal pragmatism rules the state. The millions who have been "liberated" by revolutionaries know the dirty little secret of their liberation: that they are more oppressed by the revolution itself than they ever had been by the regime it replaced.

It is the need to bridge the chasm between the socialist dream and the socialist reality that produces the totalitarian state. The essence of that state and its difference from the democracies with which it will always be at war was foreseen with crystal clarity by Machiavelli. Because people are susceptible, he wrote, "it is easy to persuade them, |but | difficult to fix them in that persuasion. Thus it is necessary to take such measures that, when they believe no longer, it may be possible to make them believe by force." In the year zero of the revolution, Lenin showed himself to be Machiavelli's disciple: "If the workers and peasants do not wish to accept socialism, our reply will be: Why waste words when we can apply force?... If we do not apply terror and immediate executions, we will get nowhere. It is better that a hundred innocent are killed than that one guilty person escapes." It is this bleak landscape that the totalitarian poetry is meant to beautify.

## K

### Perm Solves

#### The perm applies the lessons of the past to the problems of the present

Axtell 93 James Axtell, Kenan Professor of Humanities at the College of William and Mary, chaired the American Historical Association's Columbus Quincentenary Committee, Historian, Autumn, Vol. 56, Issue 1 1993

We judge the past for at least three important reasons. The first is to appraise action, an intrinsic part of historical thinking. Not to make such judgments is to abandon the past to itself, rendering it unintelligible and untranslatable to the present. The second reason is to do justice to it, although making judgment is not the same as passing sentence. As historians, we are too involved in both the prosecution and the defense since the words and reputations of the dead on all sides are in our hands. History's goal is not to punish or rehabilitate historical malefactors, who are morally incorrigible in any event, but to set the record straight for future appeals to precedent. The third reason for judging the past is to advance our own moral education, to learn from and, in effect, to be judged by the past. Since we think and speak historically for our own generation, we can have judgmental effect only on ourselves. Consequently, history becomes, in Lord Bolingbroke's famous phrase, "philosophy teaching by example," a "preceptor of prudence, not of principles." After bearing witness to the past with all the disinterestedness and human empathy we can muster, we should let ourselves be judged by the past as much as, or more than, we judge it The past is filled with the lives and struggles of countless "others," from whom we may learn to extend the possibilities of our own limited humanity. As we learn about what it is like to be other than ourselves, we are better able to do justice to the past.[14]¶ The relationship between the past and the present is always troubled and troubling. Historians cannot help but draw on the past for materials, methods, and models. Our self-images and sodal foundations are fabricated from historical elements, all inherited but reshaped by our current needs and biases, and then rewoven by our flawed and fluid memories. We need the past to give us bearings, but we often construct pasts that are merely useful and undemanding, more wishful than true. This leads to serious problems for historians because we cannot cure inherited social ills or make moral amends for past wrongs unless we know how the past actually was. It is perhaps the profession's most important task to ensure that our image of the past is as nearly full, complex, and true as the past itself was, lest we lose our bearings in fantasy and waste our resources and moral energies on false trails.

### AT: Ontology First

#### Prior questions fail and paralyze politics

Owen 2 [David Owen, Reader of Political Theory at the Univ. of Southampton, Millennium Vol 31 No 3 2002 p. 655-7]

Commenting on the ‘philosophical turn’ in IR, Wæver remarks that ‘[a] frenzy for words like “epistemology” and “ontology” often signals this philosophical turn’, although he goes on to comment that these terms are often used loosely.4 However, loosely deployed or not, it is clear that debates concerning ontology and epistemology play a central role in the contemporary IR theory wars. In one respect, this is unsurprising since it is a characteristic feature of the social sciences that periods of disciplinary disorientation involve recourse to reflection on the philosophical commitments of different theoretical approaches, and there is no doubt that such reflection can play a valuable role in making explicit the commitments that characterise (and help individuate) diverse theoretical positions. Yet, such a philosophical turn is not without its dangers and I will briefly mention three before turning to consider a confusion that has, I will suggest, helped to promote the IR theory wars by motivating this philosophical turn. The first danger with the philosophical turn is that it has an inbuilt tendency to prioritise issues of ontology and epistemology over explanatory and/or interpretive power as if the latter two were merely a simple function of the former. But while the explanatory and/or interpretive power of a theoretical account is not wholly independent of its ontological and/or epistemological commitments (otherwise criticism of these features would not be a criticism that had any value), it is by no means clear that it is, in contrast, wholly dependent on these philosophical commitments. Thus, for example, one need not be sympathetic to rational choice theory to recognise that it can provide powerful accounts of certain kinds of problems, such as the tragedy of the commons in which dilemmas of collective action are foregrounded. It may, of course, be the case that the advocates of rational choice theory cannot give a good account of why this type of theory is powerful in accounting for this class of problems (i.e., how it is that the relevant actors come to exhibit features in these circumstances that approximate the assumptions of rational choice theory) and, if this is the case, it is a philosophical weakness—but this does not undermine the point that, for a certain class of problems, rational choice theory may provide the best account available to us. In other words, while the critical judgement of theoretical accounts in terms of their ontological and/or epistemological sophistication is one kind of critical judgement, it is not the only or even necessarily the most important kind. The second danger run by the philosophical turn is that because prioritisation of ontology and epistemology promotes theory-construction from philosophical first principles, it cultivates a theory-driven rather than problem-driven approach to IR. Paraphrasing Ian Shapiro, the point can be put like this: since it is the case that there is always a plurality of possible true descriptions of a given action, event or phenomenon, the challenge is to decide which is the most apt in terms of getting a perspicuous grip on the action, event or phenomenon in question given the purposes of the inquiry; yet, from this standpoint, ‘theory-driven work is part of a reductionist program’ in that it ‘dictates always opting for the description that calls for the explanation that flows from the preferred model or theory’.5 The justification offered for this strategy rests on the mistaken belief that it is necessary for social science because general explanations are required to characterise the classes of phenomena studied in similar terms. However, as Shapiro points out, this is to misunderstand the enterprise of science since ‘whether there are general explanations for classes of phenomena is a question for social-scientific inquiry, not to be prejudged before conducting that inquiry’.6 Moreover, this strategy easily slips into the promotion of the pursuit of generality over that of empirical validity. The third danger is that the preceding two combine to encourage the formation of a particular image of disciplinary debate in IR—what might be called (only slightly tongue in cheek) ‘the Highlander view’—namely, an image of warring theoretical approaches with each, despite occasional temporary tactical alliances, dedicated to the strategic achievement of sovereignty over the disciplinary field. It encourages this view because the turn to, and prioritisation of, ontology and epistemology stimulates the idea that there can only be one theoretical approach which gets things right, namely, the theoretical approach that gets its ontology and epistemology right. This image feeds back into IR exacerbating the first and second dangers, and so a potentially vicious circle arises.

### AT: Wilderson

#### Blacks aren’t ontologically dead and Wilderson offers no alternative

SAËR MATY BÂ, teaches film at Portsmouth University, September 2011 "The US Decentred: From Black Social Death to Cultural Transformation" book review of Red, Black & White: Cinema and the Structure of US Antagonisms and Mama Africa: Reinventing Blackness in Bahia, Cultural Studies Review volume 17 number 2 http://epress.lib.uts.edu.au/journals/index.php/csrj/index pp. 381–91

Red, White and Black is particularly undermined by Wilderson’s propensity for exaggeration and blinkeredness. In chapter nine, ‘“Savage” Negrophobia’, he writes:¶ The philosophical anxiety of Skins is all too aware that through the Middle Passage, African culture became Black ‘style’ ... Blackness can be placed and displaced with limitless frequency and across untold territories, by whoever so chooses. Most important, there is nothing real Black people can do to either check or direct this process ... Anyone can say ‘nigger’¶ because anyone can be a ‘nigger’. (235)7¶ Similarly, in chapter ten, ‘A Crisis in the Commons’, Wilderson addresses the issue of ‘Black time’. Black is irredeemable, he argues, because, at no time in history had it been deemed, or deemed through the right historical moment and place. In other words, the black moment and place are not right because they are ‘the ship hold of the Middle Passage’: ‘the most coherent temporality ever deemed as Black time’ but also ‘the “moment” of no time at all on the map of no place at all’. (279)¶ Not only does Pinho’s more mature analysis expose this point as preposterous (see below), I also wonder what Wilderson makes of the countless historians’ and sociologists’ works on slave ships, shipboard insurrections and/during the Middle Passage,8 or of groundbreaking jazz‐studies books on cross‐cultural dialogue like The Other Side of Nowhere (2004). Nowhere has another side, but once Wilderson theorises blacks as socially and ontologically dead while dismissing jazz as ‘belonging nowhere and to no one, simply there for the taking’, (225) there seems to be no way back. It is therefore hardly surprising that Wilderson ducks the need to provide a solution or alternative to both his sustained bashing of blacks and anti‐ Blackness.9 Last but not least, Red, White and Black ends like a badly plugged announcement of a bad Hollywood film’s badly planned sequel: ‘How does one deconstruct life? Who would benefit from such an undertaking? The coffle approaches with its answers in tow.’ (340)

### AT: Whiteness

#### Anti-blackness isn’t a monolithic root cause---they shut off productive debate over solutions – means the alt fails

Shelby 7 – Tommie Shelby, Professor of African and African American Studies and of Philosophy at Harvard, 2007, We Who Are Dark: The Philosophical Foundations of Black Solidarity

Others might challenge the distinction between ideological and structural causes of black disadvantage, on the grounds that we are rarely, if ever, able to so neatly separate these factors, an epistemic situation that is only made worse by the fact that these causes interact in complex ways with behavioral factors. These distinctions, while perhaps straightforward in the abstract, are difficult to employ in practice. For example, it would be difficult, if not impossible, for the members of a poor black community to determine with any accuracy whether their impoverished condition is due primarily to institutional racism, the impact of past racial injustice, the increasing technological basis of the economy, shrinking state budgets, the vicissitudes of world trade, the ascendancy of conservative ideology, poorly funded schools, lack of personal initiative, a violent drug trade that deters business investment, some combination of these factors, or some other explanation altogether. Moreover, it is notoriously difficult to determine when the formulation of putatively race-neutral policies has been motivated by racism or when such policies are unfairly applied by racially biased public officials.¶ There are very real empirical difficulties in determining the specific causal significance of the factors that create and perpetuate black disadvantage; nonetheless, it is clear that these factors exist and that justice will demand different practical remedies according to each factor's relative impact on blacks' life chances. We must acknowledge that our social world is complicated and not immediately transparent to common sense, and thus that systematic empirical inquiry, historical studies, and rigorous social analysis are required to reveal its systemic structure and sociocultural dynamics. There is, moreover, no mechanical or infallible procedure for determining which analyses are the soundest ones. In addition, given the inevitable bias that attends social inquiry, legislators and those they represent cannot simply defer to social-scientific experts. We must instead rely on open public debate—among politicians, scholars, policy makers, intellectuals, and ordinary citizens—with the aim of garnering rationally motivated and informed consensus. And even if our practical decision procedures rest on critical deliberative discourse and thus live up to our highest democratic ideals, some trial and error through actual practice is unavoidable.¶ These difficulties and complications notwithstanding, a general recognition of the distinctions among the ideological and structural causes of black disadvantage could help blacks refocus their political energies and self-help strategies. Attention to these distinctions might help expose the superficiality of theories that seek to reduce all the social obstacles that blacks face to contemporary forms of racism or white supremacy. A more penetrating, subtle, and empirically grounded analysis is needed to comprehend the causes of racial inequality and black disadvantage. Indeed, these distinctions highlight the necessity to probe deeper to find the causes of contemporary forms of racism, as some racial conflict may be a symptom of broader problems or recent social developments (such as immigration policy or reduced federal funding for higher education).

#### Our advancement of democracy combats anti-blackness – it’s not all-pervasive

Winant 97 – Howard Winant, Professor of Sociology and Director of the Center for New racial Studies at UC Santa Barbara, September-October 1997, “Behind Blue Eyes: Contemporary White Racial Politics,” online: http://www.soc.ucsb.edu/faculty/winant/whitness.html

So, monolithic white supremacy is over, yet in a more concealed way, white power and privilege live on. The overt politics of racial subordination has been destroyed, yet it is still very possible to "play the racial card" in the political arena. Racially-defined minorities are no longer subject to legal segregation, but they have not been relieved of the burdens of discrimination, even by laws supposedly intended to do so. Whites are no longer the official "ruling race," yet they still enjoy many of the privileges descended from the time when they were.

In this situation the old recipes for racial equality, which involved creation of a "color-blind" society, have been transformed into formulas for the maintenance of racial inequality. The old programs for eliminating white racial privilege are now suspected of creating nonwhite racial privilege. The welfare state, once seen as the instrument for overcoming poverty and social injustice, is now accused of fomenting these very ills.

Therefore, not only blacks (and other racially-identified minorities), but also whites, now experience a division in their racial identities. On the one hand, whites inherit the legacy of white supremacy, from which they continue to benefit. But on the other hand, they are subject to the moral and political challenges posed to that inheritance by the partial but real successes of the black movement (and affiliated movements). These movements advanced a countertradition to white supremacy, one which envisioned a radicalized, inclusive, participatory democracy, a substantively egalitarian economy, and a nonracial state. They deeply affected whites as well as blacks, exposing and denouncing often unconscious beliefs in white supremacy, and demanding new and more respectful forms of behavior in relation to nonwhites. Just as the movements partially reformed white supremacist institutions, so they partially transformed white racial consciousness. Obviously, they did not destroy the deep structures of white privilege, but they did make counterclaims on behalf of the racially excluded and subordinated. As a result, white identities have been displaced and refigured: they are now contradictory, as well as confused and anxiety ridden, to an unprecedented extent. It is this situation which can be described as white racial dualism.[1]

#### Their argument elevates whiteness to an all-pervasive force that explains nearly all global oppression – means alt fails

Andersen 3 – Margaret L. Andersen, Professor of Sociology and Women's Studies and Vice Provost for Academic Affairs at the University of Delaware, 2003, “Whitewashing Race: A Critical Perspective on Whiteness,” in White Out: The Continuing Significance of Racism, ed Doane & Bonilla-Silva, p. 28

Conceptually, one of the major problems in the whiteness literature is the reification of whiteness as a concept, as an experience, and as an identity. This practice not only leads to conceptual obfuscation but also impedes the possibility for empirical analysis. In this literature, "whiteness" comes to mean just about everything associated with racial domination. As such, whiteness becomes a slippery and elusive concept. Whiteness is presented as any or all of the following: identity, self-understanding, social practices, group beliefs, ideology, and a system of domination. As one critic writes, "If historical actors are said to have behaved the way they did mainly because they were white, then there's little room left for more nuanced analysis of their motives and meanings" (Stowe 1996:77). And Alastair Bonnett points out that whiteness "emerges from this critique as an omnipresent and all-powerful historical force. Whiteness is seen to be responsible for the failure of socialism to develop in America, for racism, for the impoverishment of humanity. With the 'blame' comes a new kind of centering: Whiteness, and White people, are turned into the key agents of historical change, the shapers of contemporary America" (1996b:153).

Despite noting that there is differentiation among whites and warning against using whiteness as a monolithic category, most of the literature still proceeds to do so, revealing a reductionist tendency. Even claiming to show its multiple forms, most writers essentialize and reify whiteness as something that directs most of Western history (Gallagher 2000). Hence while trying to "deconstruct” whiteness and see the ubiquitousness of whiteness, the literature at the same time reasserts and reinstates it (Stowe 1996:77).

For example, Michael Eric Dyson suggests that whiteness is identity, ideology, and institution (Dyson, quoted in Chennault 1998:300). But if it is all these things, it becomes an analytically useless concept. Christine Clark and James O'Donnell write: "to reference it reifies it, to refrain from referencing it obscures the persistent, pervasive, and seemingly permanent reality of racism" (1999:2). Empirical investigation requires being able to identify and measure a concept— or at the very least to have a clear definition—but since whiteness has come to mean just about everything, it ends up meaning hardly anything.

### AT: Social Death

#### No social death – history proves

Brown 9 Vincent, Prof. of History and African and African-American Studies @ Harvard Univ., December, "Social Death and Political Life in the Study of Slavery," American Historical Review, p. 1231-1249

THE PREMISE OF ORLANDO PATTERSON’S MAJOR WORK, that enslaved Africans were natally alienated and culturally isolated, was challenged even before he published his influential thesis, primarily by scholars concerned with “survivals” or “retentions” of African culture and by historians of slave resistance. In the early to mid-twentieth century, when Robert Park’s view of “the Negro” predominated among scholars, it was generally assumed that the slave trade and slavery had denuded black people of any ancestral heritage from Africa. The historians Carter G. Woodson and W. E. B. Du Bois and the anthropologist Melville J. Herskovits argued the opposite. Their research supported the conclusion that while enslaved Africans could not have brought intact social, political, and religious institutions with them to the Americas, they did maintain significant aspects of their cultural backgrounds.32 Herskovits ex- amined “Africanisms”—any practices that seemed to be identifiably African—as useful symbols of cultural survival that would help him to analyze change and continuity in African American culture.33 He engaged in one of his most heated scholarly disputes with the sociologist E. Franklin Frazier, a student of Park’s, who empha- sized the damage wrought by slavery on black families and folkways.34 More recently, a number of scholars have built on Herskovits’s line of thought, enhancing our understanding of African history during the era of the slave trade. Their studies have evolved productively from assertions about general cultural heritage into more precise demonstrations of the continuity of worldviews, categories of belonging, and social practices from Africa to America. For these scholars, the preservation of distinctive cultural forms has served as an index both of a resilient social personhood, or identity, and of resistance to slavery itself. 35¶ Scholars of slave resistance have never had much use for the concept of social death. The early efforts of writers such as Herbert Aptheker aimed to derail the popular notion that American slavery had been a civilizing institution threatened by “slave crime.”36 Soon after, studies of slave revolts and conspiracies advocated the idea that resistance demonstrated the basic humanity and intractable will of the enslaved—indeed, they often equated acts of will with humanity itself. As these writ- ers turned toward more detailed analyses of the causes, strategies, and tactics of slave revolts in the context of the social relations of slavery, they had trouble squaring abstract characterizations of “the slave” with what they were learning about the en- slaved.37 Michael Craton, who authored Testing the Chains: Resistance to Slavery in the British West Indies, was an early critic of Slavery and Social Death, protesting that what was known about chattel bondage in the Americas did not confirm Patterson’s definition of slavery. “If slaves were in fact ‘generally dishonored,’ ” Craton asked, “how does he explain the degrees of rank found among all groups of slaves—that is, the scale of ‘reputation’ and authority accorded, or at least acknowledged, by slave and master alike?” How could they have formed the fragile families documented by social historians if they had been “natally alienated” by definition? Finally, and per- haps most tellingly, if slaves had been uniformly subjected to “permanent violent domination,” they could not have revolted as often as they did or shown the “varied manifestations of their resistance” that so frustrated masters and compromised their power, sometimes “fatally.”38 The dynamics of social control and slave resistance falsified Patterson’s description of slavery even as the tenacity of African culture showed that enslaved men, women, and children had arrived in the Americas bearing much more than their “tropical temperament.”¶ The cultural continuity and resistance schools of thought come together pow- erfully in an important book by Walter C. Rucker, The River Flows On: Black Re- sistance, Culture, and Identity Formation in Early America. In Rucker’s analysis of slave revolts, conspiracies, and daily recalcitrance, African concepts, values, and cul- tural metaphors play the central role. Unlike Smallwood and Hartman, for whom “the rupture was the story” of slavery, Rucker aims to reveal the “perseverance of African culture even among second, third, and fourth generation creoles.”39 He looks again at some familiar events in North America—New York City’s 1712 Coromantee revolt and 1741 conspiracy, the 1739 Stono rebellion in South Carolina, as well as the plots, schemes, and insurgencies of Gabriel Prosser, Denmark Vesey, and Nat Turner—deftly teasing out the African origins of many of the attitudes and actions of the black rebels. Rucker outlines how the transformation of a “shared cultural heritage” that shaped collective action against slavery corresponded to the “various steps Africans made in the process of becoming ‘African American’ in culture, orientation, and identity.”40

#### The invocation of social death as ontologically inevitable inscribes a pessimism towards politics which makes agency impossible and oversimplifies the history of resistance

Brown 9 Vincent, Prof. of History and African and African-American Studies @ Harvard Univ., December, "Social Death and Political Life in the Study of Slavery," American Historical Review, p. 1231-1249

Specters of the Atlantic is a compellingly sophisticated study of the relation be- tween the epistemologies underwriting both modern slavery and modern capitalism, but the book’s discussion of the politics of anti-slavery is fundamentally incomplete. While Baucom brilliantly traces the development of “melancholy realism” as an op- positional discourse that ran counter to the logic of slavery and finance capital, he has very little to say about the enslaved themselves. Social death, so well suited to the tragic perspective, stands in for the experience of enslavement. While this heightens the reader’s sense of the way Atlantic slavery haunts the present, Baucom largely fails to acknowledge that the enslaved performed melancholy acts of accounting not unlike those that he shows to be a fundamental component of abolitionist and human rights discourses, or that those acts could be a basic element of slaves’ oppositional activities. In many ways, the effectiveness of his text depends upon the silence of slaves—it is easier to describe the continuity of structures of power when one down- plays countervailing forces such as the political activity of the weak. So Baucom’s deep insights into the structural features of Atlantic slave trading and its afterlife come with a cost. Without engagement with the politics of the enslaved, slavery’s history serves as an effective charge leveled against modernity and capitalism, but not as an uneven and evolving process of human interaction, and certainly not as a locus of conflict in which the enslaved sometimes won small but important victories.11¶ Specters of the Atlantic is self-consciously a work of theory (despite Baucom’s prodigious archival research), and social death may be largely unproblematic as a matter of theory, or even law. In these arenas, as David Brion Davis has argued, “the slave has no legitimate, independent being, no place in the cosmos except as an instrument of her or his master’s will.”12 But the concept often becomes a general description of actual social life in slavery. Vincent Carretta, for example, in his au- thoritative biography of the abolitionist writer and former slave Olaudah Equiano, agrees with Patterson that because enslaved Africans and their descendants were “stripped of their personal identities and history, [they] were forced to suffer what has been aptly called ‘social death.’ ” The self-fashioning enabled by writing and print “allowed Equiano to resurrect himself publicly” from the condition that had been imposed by his enslavement.13 The living conditions of slavery in eighteenth-century Jamaica, one slave society with which Equiano had experience, are described in rich detail in Trevor Burnard’s unflinching examination of the career of Thomas Thistle- wood, an English migrant who became an overseer and landholder in Jamaica, and who kept a diary there from 1750 to 1786. Through Thistlewood’s descriptions of his life among slaves, Burnard glimpses a “world of uncertainty,” where the enslaved were always vulnerable to repeated depredations that actually led to “significant slave dehumanization as masters sought, with considerable success, to obliterate slaves’ personal histories.” Burnard consequently concurs with Patterson: “slavery completely stripped slaves of their cultural heritage, brutalized them, and rendered ordinary life and normal relationships extremely difficult.”14 This was slavery, after all, and much more than a transfer of migrants from Africa to America.15 Yet one wonders, after reading Burnard’s indispensable account, how slaves in Jamaica or- ganized some of British America’s greatest political events during Thistlewood’s time and after, including the Coromantee Wars of the 1760s, the 1776 Hanover conspiracy, and the Baptist War of 1831–1832. Surely they must have found some way to turn the “disorganization, instability, and chaos” of slavery into collective forms of belonging and striving, making connections when confronted with alien- ation and finding dignity in the face of dishonor. Rather than pathologizing slaves by allowing the condition of social death to stand for the experience of life in slavery, then, it might be more helpful to focus on what the enslaved actually made of their¶ situation.¶ Among the most insightful texts to explore the experiential meaning of Afro- Atlantic slavery (for both the slaves and their descendants) are two recent books by Saidiya Hartman and Stephanie Smallwood. Rather than eschewing the concept of social death, as might be expected from writing that begins by considering the per- spective of the enslaved, these two authors use the idea in penetrating ways. Hart- man’s Lose Your Mother: A Journey along the Atlantic Slave Route and Smallwood’s Saltwater Slavery: A Middle Passage from Africa to American Diaspora extend social death beyond a general description of slavery as a condition and imagine it as an experience of self. Here both the promise and the problem with the concept are most fully apparent.16¶ Both authors seek a deeper understanding of the experience of enslavement and its consequences for the past, present, and future of black life than we generally find in histories of slavery. In Hartman’s account especially, slavery is not only an object of study, but also the focus of a personal memoir. She travels along a slave route in Ghana, from its coastal forts to the backcountry hinterlands, symbolically reversing the first stage of the trek now commonly called the Middle Passage. In searching prose, she meditates on the history of slavery in Africa to explore the precarious nature of belonging to the social category “African American.” Rendering her re- markable facility with social theory in elegant and affective terms, Hartman asks the question that nags all identities, but especially those forged by the descendants of slaves: What identifications, imagined affinities, mythical narratives, and acts of re- membering and forgetting hold the category together? Confronting her own alienation from any story that would yield a knowable genealogy or a comfortable identity, Hartman wrestles with what it means to be a stranger in one’s putative motherland, to be denied country, kin, and identity, and to forget one’s past—to be an orphan.17 Ultimately, as the title suggests, Lose Your Mother is an injunction to accept dis- possession as the basis of black self-definition.¶ Such a judgment is warranted, in Hartman’s account, by the implications of social death both for the experience of enslavement and for slavery’s afterlife in the present. As Patterson delineated in sociological terms the death of social personhood and the reincorporation of individuals into slavery, Hartman sets out on a personal quest to “retrace the process by which lives were destroyed and slaves born.”18 When she contends with what it meant to be a slave, she frequently invokes Patterson’s idiom: “Seized from home, sold in the market, and severed from kin, the slave was for all intents and purposes dead, no less so than had he been killed in combat. No less so than had she never belonged to the world.” By making men, women, and children into commodities, enslavement destroyed lineages, tethering people to own- ers rather than families, and in this way it “annulled lives, transforming men and women into dead matter, and then resuscitated them for servitude.” Admittedly, the enslaved “lived and breathed, but they were dead in the social world of men.”19 As it turns out, this kind of alienation is also part of what it presently means to be African American. “The transience of the slave’s existence,” for example, still leaves its traces in how black people imagine and speak of home:¶ We never tire of dreaming of a place that we can call home, a place better than here, wherever here might be . . . We stay there, but we don’t live there . . . Staying is living in a country without exercising any claims on its resources. It is the perilous condition of existing in a world in which you have no investments. It is having never resided in a place that you can say is yours. It is being “of the house” but not having a stake in it. Staying implies transient quarters, a makeshift domicile, a temporary shelter, but no attachment or affiliation. This sense of not belonging and of being an extraneous element is at the heart of slavery.20¶ “We may have forgotten our country,” Hartman writes, “but we haven’t forgotten our dispossession.”21¶ Like Baucom, Hartman sees the history of slavery as a constituent part of a tragic present. Atlantic slavery continues to be manifested in black people’s skewed life chances, poor education and health, and high rates of incarceration, poverty, and premature death. Disregarding the commonplace temporalities of professional historians, whose literary conventions are generally predicated on a formal distinction between past, present, and future, Hartman addresses slavery as a problem that spans all three. The afterlife of slavery inhabits the nature of belonging, which in turn guides the “freedom dreams” that shape prospects for change. “If slavery persists as an issue in the political life of black America,” she writes, “it is not because of an antiquated obsession with bygone days or the burden of a too-long memory, but because black lives are still imperiled and devalued by a racial calculus and a political arithmetic that were entrenched centuries ago.”22¶ A professor of English and comparative literature, Hartman is in many respects in a better position than most historians to understand events such as the funeral aboard the Hudibras. This is because for all of her evident erudition, her scholarship is harnessed not so much to a performance of mastery over the facts of what hap- pened, which might substitute precision for understanding, as to an act of mourning, even yearning. She writes with a depth of introspection and personal anguish that is transgressive of professional boundaries but absolutely appropriate to the task. Reading Hartman, one wonders how a historian could ever write dispassionately about slavery without feeling complicit and ashamed. For dispassionate accounting—exemplified by the ledgers of slave traders—has been a great weapon of the powerful, an episteme that made the grossest violations of personhood acceptable, even necessary. This is the kind of bookkeeping that bore fruit upon the Zong. “It made it easier for a trader to countenance yet another dead black body or for a captain to dump a shipload of captives into the sea in order to collect the insurance, since it wasn’t possible to kill cargo or to murder a thing already denied life. Death was simply part of the workings of the trade.” The archive of slavery, then, is “a mortuary.” Not content to total up the body count, Hartman offers elegy, echoing in her own way the lamentations of the women aboard the Hudibras. Like them, she is concerned with the dead and what they mean to the living. “I was desperate to reclaim the dead,” she writes, “to reckon with the lives undone and obliterated in the making of human commodities.”23¶ It is this mournful quality of Lose Your Mother that elevates it above so many histories of slavery, but the same sense of lament seems to require that Hartman overlook small but significant political victories

like the one described by Butter- worth. Even as Hartman seems to agree with Paul Gilroy on the “value of seeing the consciousness of the slave as involving an extended act of mourning,” she remains so focused on her own commemorations that her text makes little space for a consideration of how the enslaved struggled with alienation and the fragility of belonging, or of the mourning rites they used to confront their condition.24 All of the ques- tions she raises about the meaning of slavery in the present—both highly personal and insistently political—might as well be asked about the meaning of slavery to slaves themselves, that is, if one begins by closely examining their social and political lives rather than assuming their lack of social being. Here Hartman is undone by her reliance on Orlando Patterson’s totalizing definition of slavery. She asserts that “no solace can be found in the death of the slave, no higher ground can be located, no perspective can be found from which death serves a greater good or becomes any- thing other than what it is.”25 If she is correct, the events on the Hudibras were of negligible importance. And indeed, Hartman’s understandable emphasis on the personal damage wrought by slavery encourages her to disavow two generations of social history that have demonstrated slaves’ remarkable capacity to forge fragile com- munities, preserve cultural inheritance, and resist the predations of slaveholders. This in turn precludes her from describing the ways that violence, dislocation, and death actually generate culture, politics, and consequential action by the enslaved.26¶ This limitation is particularly evident in a stunning chapter that Hartman calls “The Dead Book.” Here she creatively reimagines the events that occurred on the voyage of the slave ship Recovery, bound, like the Hudibras, from the Bight of Biafra to Grenada, when Captain John Kimber hung an enslaved girl naked from the mizzen stay and beat her, ultimately to her death, for being “sulky”: she was sick and could not dance when so ordered. As Hartman notes, the event would have been unre- markable had not Captain Kimber been tried for murder on the testimony of the ship’s surgeon, a brief transcript of the trial been published, and the woman’s death been offered up as allegory by the abolitionist William Wilberforce and the graphic satirist Isaac Cruikshank. Hartman re-creates the murder and the surge of words it inspired, representing the perspectives of the captain, the surgeon, and the aboli tionist, for each of whom the girl was a cipher “outfitted in a different guise,” and then she puts herself in the position of the victim, substituting her own voice for the unknowable thoughts of the girl. Imagining the experience as her own and wistfully representing her demise as a suicide—a final act of agency—Hartman hopes, by this bold device, to save the girl from oblivion. Or perhaps her hope is to prove the impossibility of ever doing so, because by failing, she concedes that the girl cannot be put to rest. It is a compelling move, but there is something missing. Hartman discerns a convincing subject position for all of the participants in the events sur- rounding the death of the girl, except for the other slaves who watched the woman die and carried the memory with them to the Americas, presumably to tell others, plausibly even survivors of the Hudibras, who must have drawn from such stories a basic perspective on the history of the Atlantic world. For the enslaved spectators, Hartman imagines only a fatalistic detachment: “The women were assembled a few feet away, but it might well have been a thousand. They held back from the girl, steering clear of her bad luck, pestilence, and recklessness. Some said she had lost her mind. What could they do, anyway? The women danced and sang as she lay dying.”¶ Hartman ends her odyssey among the Gwolu, descendants of peoples who fled the slave raids and who, as communities of refugees, shared her sense of dispos- session. “Newcomers were welcome. It didn’t matter that they weren’t kin because genealogy didn’t matter”; rather, “building community did.” Lose Your Mother con- cludes with a moving description of a particular one of their songs, a lament for those who were lost, which resonated deeply with her sense of slavery’s meaning in the present. And yet Hartman has more difficulty hearing similar cries intoned in the past by slaves who managed to find themselves.27¶ Saltwater Slavery has much in common with Lose Your Mother. Smallwood’s study of the slave trade from the Gold Coast to the British Americas in the late seventeenth and early eighteenth centuries likewise redeems the experience of the people traded like so many bolts of cloth, “who were represented merely as ciphers in the political arithmetic,” and therefore “feature in the documentary record not as subjects of a social history but as objects or quantities.”28 Each text offers a penetrating analysis of the market logic that turned people into goods. Both books work with the concept of social death. However, Smallwood examines the problem of social death for the enslaved even more closely than Hartman does.29¶ Like Hartman, Smallwood sees social death as a by-product of commodification. “If in the regime of the market Africans’ most socially relevant feature was their exchangeability,” she argues, “for Africans as immigrants the most socially relevant feature was their isolation, their desperate need to restore some measure of social life to counterbalance the alienation engendered by their social death.” But Small- wood’s approach is different in a subtle way. Whereas for Hartman, as for others, social death is an accomplished state of being, Smallwood veers between a notion of social death as an actual condition produced by violent dislocation and social death as a compelling threat. On the one hand, she argues, captivity on the Atlantic littoral was a social death. Exchangeable persons “inhabited a new category of mar- ginalization, one not of extreme alienation within the community, but rather of ab- solute exclusion from any community.” She seems to accept the idea of enslaved commodities as finished products for whom there could be no socially relevant relationships: “the slave cargo constituted the antithesis of community.” Yet elsewhere she contends that captives were only “menaced” with social death. “At every point along the passage from African to New World markets,” she writes, “we find a stark contest between slave traders and slaves, between the traders’ will to commodify people and the captives’ will to remain fully recognizable as human subjects.”30 Here, I think, Smallwood captures the truth of the idea: social death was a receding ho- rizon—the farther slaveholders moved toward the goal of complete mastery, the more they found that struggles with their human property would continue, even into the most elemental realms: birth, hunger, health, fellowship, sex, death, and time.¶ If social death did not define the slaves’ condition, it did frame their vision of apocalypse. In a harrowing chapter on the meaning of death (that is, physical death) during the Atlantic passage, Smallwood is clear that the captives could have no frame of reference for the experience aboard the slave ships, but she also shows how des- perate they were to make one. If they could not reassemble some meaningful way to map their social worlds, “slaves could foresee only further descent into an endless purgatory.” The women aboard the Hudibras were not in fact the living dead; they were the mothers of gasping new societies. Their view of the danger that confronted them made their mourning rites vitally important, putting these at the center of the women’s emerging lives as slaves—and as a result at the heart of the struggles that would define them. As Smallwood argues, this was first and foremost a battle over their presence in time, to define their place among ancestors, kin, friends, and future progeny. “The connection Africans needed was a narrative continuity between past and present—an epistemological means of connecting the dots between there and here, then and now, to craft a coherent story out of incoherent experience.” That is precisely what the women on the Hudibras fought to accomplish.31

### AT: Racism/V2L

#### Preventing death is the first ethical priority – it’s the only impact you can’t recover from.

**Bauman 95** Zygmunt Bauman, University of Leeds Professor Emeritus of Sociology, 1995, Life In Fragments: Essays In Postmodern Morality, p. 66-71

The being‑for is like living towards‑the‑future: a being filled with anticipation, a being aware of the abyss between future foretold and future that will eventually be; it is this gap which, like a magnet, draws the self towards the Other,as it draws life towards the future, making life into an activity of overcoming, transcending, leaving behind. The self stretches towards the Other, as life stretches towards the future; neither can grasp what it stretches toward, but it is in this hopeful and desperate, never conclusive and never abandoned stretching‑toward that the self is ever anew created and life ever anew lived. In the words of M. M. Bakhtin, it is only in this not‑yet accomplished world of anticipation and trial, leaning toward stubbornly an‑other Other, that life can be lived ‑ not in the world of the `events that occurred'; in the latter world, `it is impossible to live, to act responsibly; in it, I am not needed, in principle I am not there at all." Art, the Other, the future: what unites them, what makes them into three words vainly trying to grasp the same mystery, is the modality of possibility. A curious modality, at home neither in ontology nor epistemology; itself, like that which it tries to catch in its net, `always outside', forever `otherwise than being'. The possibility we are talking about here is not the all‑too‑familiar unsure‑of‑itself, and through that uncertainty flawed, inferior and incomplete being, disdainfully dismissed by triumphant existence as `mere possibility', `just a possibility'; possibility is instead `plus que la reahte' ‑ both the origin and the foundation of being. The hope, says Blanchot, proclaims the possibility of that which evades the possible; `in its limit, this is the hope of the bond recaptured where it is now lost."' The hope is always the hope of *being fu filled,* but what keeps the hope alive and so keeps the being open and on the move is precisely its *unfu filment.* One may say that the paradox *of hope* (and the paradox of possibility founded in hope) is that it may pursue its destination solely through betraying its nature; the most exuberant of energies expends itself in the urge towards rest. Possibility uses up its openness in search of closure. Its image of the better being is its own impoverishment . . . The togetherness of the being‑for is cut out of the same block; it shares in the paradoxical lot of all possibility. It lasts as long as it is unfulfilled, yet it uses itself up in never ending effort of fulfilment, of recapturing the bond, making it tight and immune to all future temptations. In an important, perhaps decisive sense, it is selfdestructive and self‑defeating: its triumph is its death. The Other, like restless and unpredictable art, like the future itself, is a *mystery.* And being‑for‑the‑Other, going towards the Other through the twisted and rocky gorge of affection, brings that mystery into view ‑ makes it into a challenge. That mystery is what has triggered the sentiment in the first place ‑ but cracking that mystery is what the resulting movement is about. The mystery must be unpacked so that the being‑for may focus on the Other: one needs to know what to focus on. (The `demand' is *unspoken,* the responsibility undertaken is *unconditional;* it is up to him or her who follows the demand and takes up the responsibility to decide what the following of that demand and carrying out of that responsibility means in practical terms.) Mystery ‑ noted Max Frisch ‑ (and the Other is a mystery), is an exciting puzzle, but one tends to get tired of that excitement. `And so one creates for oneself an image. This is a loveless act, the betrayal." Creating an image of the Other leads to the substitution of the image for the Other; the Other is now fixed ‑ soothingly and comfortingly. There is nothing to be excited about anymore. I know what the Other needs, I know where my responsibility starts and ends. Whatever the Other may now do will be taken down and used against him. What used to be received as an exciting surprise now looks more like perversion; what used to be adored as exhilarating creativity now feels like wicked levity. Thanatos has taken over from Eros, and the excitement of the ungraspable turned into the dullness and tedium of the grasped. But, as Gyorgy Lukacs observed, `everything one person may know about another is only expectation, only potentiality, only wish or fear, acquiring reality only as a result of what happens later, and this reality, too, dissolves straightaway into potentialities'. Only death, with its finality and irreversibility, puts an end to the musical‑chairs game of the real and the potential ‑ it once and for all closes the embrace of togetherness which was before invitingly open and tempted the lonely self." `Creating an image' is the dress rehearsal of that death. But creating an image is the inner urge, the constant temptation, the *must* of all affection . . . It is the loneliness of being abandoned to an unresolvable ambivalence and an unanchored and formless sentiment which sets in motion the togetherness of being‑for. But what loneliness seeks in togetherness is an end to its present condition ‑ an end to itself. Without knowing ‑ without being capable of knowing ‑ that the hope to replace the vexing loneliness with togetherness is founded solely on its own unfulfilment, and that once loneliness is no more, the togetherness ( the being‑for togetherness) must also collapse, as it cannot survive its own completion. What the loneliness seeks in togetherness (suicidally for its own cravings) is the foreclosing and pre‑empting of the future, cancelling the future before it comes, robbing it of mystery but also of the possibility with which it is pregnant. Unknowingly yet necessarily, it seeks it all to its own detriment, since the success (if there is a success) may only bring it back to where it started and to the condition which prompted it to start on the journey in the first place. The togetherness of being‑for is always in the future, and nowhere else. It is no more once the self proclaims: `I have arrived', `I have done it', `I fulfilled my duty.' The being‑for starts from the realization of the bottomlessness of the task, and ends with the declaration that the infinity has been exhausted. This is the tragedy of being‑for ‑ the reason why it cannot but be death‑bound while simultaneously remaining an undying attraction. In this tragedy, there are many happy moments, but no happy end. Death is always the foreclosure of possibilities, and it comes eventually in its own time, even if not brought forward by the impatience of love. The catch is to direct the affection to staving off the end, and to do this against the affection's nature. What follows is that, if moral relationship is grounded in the being-for togetherness (as it is), then it can exist as a project, and guide the self's conduct only as long as its nature of a project (a not yet-completed project) is not denied. Morality, like the future itself, is forever not‑yet. (And this is why the ethical code, any ethical code, the more so the more perfect it is by its own standards, supports morality the way the rope supports the hanged man.) It is because of our loneliness that we crave togetherness. It is because of our loneliness that we open up to the Other and allow the Other to open up to us. It is because of our loneliness (which is only belied, not overcome, by the hubbub of the being‑with) that we turn into moral selves. And it is only through allowing the togetherness its possibilities which only the future can disclose that we stand a chance of acting morally, and sometimes even of being good, in the present.

### AT: Alt – Wright

#### The alt’s all-or-nothing choice fails --- small reforms like the plan are key to institutional change and getting others to sign on to the alt

Erik Olin Wright 7, Vilas Distinguished Professor of Sociology at the University of Wisconsin, “Guidelines for Envisioning Real Utopias”, Soundings, April, www.ssc.wisc.edu/~wright/Published%20writing/Guidelines-soundings.pdf

5. Waystations¶ The final guideline for discussions of envisioning real utopias concerns the importance of waystations. The central problem of envisioning real utopias concerns the **viability of institutional alternatives** that embody emancipatory values, but the practical achievability of such institutional designs often **depends upon the existence of smaller steps**, intermediate institutional innovations **that move us in the right direction but only partially embody these values.** Institutional proposals which have an **all-or-nothing quality** to them are both **less likely to be adopted in the first place, and may pose more difficult transition-cost problems** if implemented. The catastrophic experience of Russia in the “shock therapy” approach to market reform is historical testimony to this problem.¶ Waystations are a difficult theoretical and practical problem because there are many instances in which partial reforms may have very different consequences than full- bodied changes. Consider the example of unconditional basic income. Suppose that a very limited, below-subsistence basic income was instituted: not enough to survive on, but a grant of income unconditionally given to everyone. One possibility is that this kind of basic income would act mainly as a subsidy to employers who pay very low wages, since now they could attract more workers even if they offered below poverty level¶ earnings. There may be good reasons to institute such wage subsidies, but they would not generate the positive effects of a UBI, and therefore might not function as a stepping stone.¶ What we ideally want, therefore, are **intermediate reforms** that have two main properties: first, they concretely **demonstrate the virtues of the fuller program of transformation, so they contribute to the ideological battle of convincing people that the alternative is credible and desirable;** and second, they **enhance the capacity for action of people**, increasing their ability to push further in the future. Waystations that increase popular participation and **bring people together in problem-solving deliberations** for collective purposes are particularly salient in this regard. This is what in the 1970s was called “nonreformist reforms”: reforms that are **possible within existing institutions** and that **pragmatically solve real problems** while at the same time **empowering people in ways which** **enlarge their scope of action in the future.**

### AT: State Bad

#### The state is inevitable and working through it is good in the context of the aff – given that the green political project is one that demands far-reaching changes, it cannot be done with state focus – that’s Eckersley

#### State focused nuclear power solutions key

Nordhaus 11, chairman – Breakthrough Instiute, and Shellenberger, president – Breakthrough Insitute, MA cultural anthropology – University of California, Santa Cruz, 2/25/‘11

(Ted and Michael, <http://thebreakthrough.org/archive/the_long_death_of_environmenta>)

Tenth, we are going to have to get over our suspicion of technology, especially nuclear power. There is **no credible path** to reducing global carbon emissions without an enormous expansion of nuclear power. It is the only low carbon technology we have today with the demonstrated capability to generate large quantities of centrally generated electrtic power. It is the low carbon of technology of choice for much of the rest of the world. Even uber-green nations, like Germany and Sweden, have reversed plans to phase out nuclear power as they have begun to reconcile their energy needs with their climate commitments. Eleventh, we will need to embrace again the role of the state as a direct provider of public goods. The modern environmental movement, borne of the new left rejection of social authority of all sorts, has embraced the notion of state regulation and even creation of private markets while largely rejecting the generative role of the state. In the modern environmental imagination, government promotion of technology - whether nuclear power, the green revolution, synfuels, or ethanol - almost always ends badly. Never mind that virtually the entire history of American industrialization and technological innovation is the story of government investments in the development and commercialization of new technologies. Think of a transformative technology over the last century - computers, the Internet, pharmaceutical drugs, jet turbines, cellular telephones, nuclear power - and what you will find is government investing in those technologies at a scale that private firms simply cannot replicate. Twelveth, big is beautiful. The rising economies of the developing world will continue to develop whether we want them to or not. The solution to the ecological crises wrought by modernity, technology, and progress will be more modernity, technology, and progress. The solutions to the ecological challenges faced by a planet of 6 billion going on 9 billion will not be decentralized energy technologies like solar panels, small scale organic agriculture, and a drawing of unenforceable boundaries around what remains of our ecological inheritance, be it the rainforests of the Amazon or the chemical composition of the atmosphere. Rather, these solutions will be: large central station power technologies that can meet the energy needs of billions of people increasingly living in the dense mega-cities of the global south without emitting carbon dioxide, further intensification of industrial scale agriculture to meet the nutritional needs of a population that is not only growing but eating higher up the food chain, and a whole suite of new agricultural, desalinization and other technologies for gardening planet Earth that might allow us not only to pull back from forests and other threatened ecosystems but also to create new ones. The New Ecological Politics The great ecological challenges that our generation faces demands an ecological politics that is **generative, not restrictive.** An ecological politics capable of addressing global warming will require us to reexamine virtually every prominent strand of post-war green ideology. From Paul Erlich's warnings of a population bomb to The Club of Rome's "Limits to Growth," contemporary ecological politics have consistently embraced green Malthusianism despite the fact that the Malthusian premise has persistently failed for the better part of three centuries. Indeed, the green revolution was exponentially increasing agricultural yields at the very moment that Erlich was predicting mass starvation and the serial predictions of peak oil and various others resource collapses that have followed have continue to fail. This does not mean that Malthusian outcomes are impossible, but neither are they inevitable. **We do have a choice** in the matter, but it is not the choice that greens have long imagined. The choice that humanity faces is not whether to constrain our growth, development, and aspirations or die. It is whether we will continue to innovate and accelerate technological progress in order to thrive. Human technology and ingenuity have repeatedly confounded Malthusian predictions yet green ideology continues to cast a suspect eye towards the very technologies that have allowed us to avoid resource and ecological catastrophes. But such solutions will require environmentalists to abandon the "small is beautiful" ethic that has also characterized environmental thought since the 1960's. We, the most secure, affluent, and thoroughly modern human beings to have ever lived upon the planet, must abandon both the dark, zero-sum Malthusian visions and the idealized and nostalgic fantasies for a simpler, more bucolic past in which humans lived in harmony with Nature.

### AT: Libidinal Economy

#### Libidinal economy doesn’t explain violence

Havi Carel 6, Senior Lecturer in Philosophy at the University of the West of England, “Life and Death in Freud and Heidegger”, Google Books

Secondly, the constancy principle on which these ideas are based is incompatible with observational data. Once the passive model of the nervous system has been discarded, there was no need for external excitation in order for discharge to take place, and more generally, "the behavioural picture seemed to negate the notion of drive, as a separate energizer of behaviour" {Hcbb. 1982. p.35). According to Holt, the nervous system is not passive; it does not take in and conduct out energy from the environment, and it shows no tendency to discharge its impulses. 'The principle of constancy is quite without any biological basis" (1965, p. 109). He goes on to present the difficulties that arise from the pleasure principle as linked to a tension-reduction theory. The notion of tension is "conveniently ambiguous": it has phenomenological, physiological and abstract meaning. But empirical evidence against the theory of tension reduction has been "mounting steadily" and any further attempts to link pleasure with a reduction of physiological tension are "decisively refuted" (1965, pp. 1102). Additionally, the organism and the mental system are no longer considered closed systems. So the main arguments for the economic view collapse, as does the entropic argument for the death drive (1965, p. 114). A final, more general criticism of Freud's economic theory is sounded by Compton, who argues, "Freud fills in psychological discontinuities with neurological hypotheses" (1981, p. 195). The Nirvana principle is part and parcel of the economic view and the incomplete and erroneous assumptions about the nervous system (Hobson, 1988, p.277). It is an extension ad extremis of the pleasure principle, and as such is vulnerable to all the above criticisms. The overall contemporary view provides strong support for discarding the Nirvana principle and reconstructing the death drive as aggression.

# 1AR

## Cap

#### Cap solves environmental destruction

**Veer 12** (Pierre-Guy, Independent journalist writing for the Von Mises Institute, 5/2, “Cheer for the Environment, Cheer for Capitalism,” http://www.mises.ca/posts/blog/cheer-for-the-environment-cheer-for-capitalism/)

No Ownership, No Responsibility How can such a negligence have happened? It’s simple: **no one was the legitimate owner of the resources** (water, air, ground). When a property is state-owned – as was the case under communism – **government has generally little incentive to sustainably exploit it**. In communist Europe, governments wanted to industrialize their country in order, they hoped, to catch up with capitalist economies. Objectives were set, and they had to be met no matter what. This included the use of brown coal, high in sulfur and that creates heavy smoke when burned[4], and questionable farming methods, which depleted the soil. This lack of vision can also be seen in the public sector of capitalist countries. In the US, the Department of Defense creates more dangerous waste than the top five chemical product companies put together. In fact, pollution is such that cleanup costs are estimated at $20 billion. The same goes for agriculture, where Washington encourages overfarming or even farming not adapted for the environment it’s in[5]. Capitalism, the Green Solution In order to solve most of the pollution problems, there exists a simple solution: **laissez-faire capitalism, i.e.** **make sure property rights and profitability can be applied**. The latter helped Eastern Europe; when communism fell, capitalism made the countries seek profitable – and not just cheap – ways to produce, which greatly reduced pollution[6]. As for the former, it proved its effectiveness, notably with the Love Canal[7]. Property rights are also thought of in order to protect some resources, be it fish[8] or endangered species[9]. Why such efficiency? Because an owner’s self-interest is directed towards the maximum profitability of his piece of land. By containing pollution – as Hooker Chemicals did with its canal – he keeps away from costly lawsuit for property violation. At the same time, badly managed pollution can diminish the value of the land, and therefore profits. Any entrepreneur with a long-term vision – and whose property is safe from arbitrary government decisions – thinks about all that in order to protect his investment. One isn’t foolish enough to sack one’s property! In conclusion, I have to mention that I agree with environmentalists that it is importance to preserve the environment in order to protect mother nature and humans. However, I strongly disagree with their means, i.e. government intervention. Considering it very seldom has a long-term vision, it is the worst thing that can happen. In fact, one could says that most environmental disasters are, directly or indirectly, caused by the State, mainly by a lack of clear property rights. Were they clearer, they would let each and everyone of us, out of self-interest, protect the environment in a better manner. That way, everyone’s a winner.

## AT: V2L

#### Value to life is subjective --- life is a prerequisite

Lisa Schwartz, Chair at the Centre for Health Economics and Policy Analysis, 2002

“Medical Ethic: A Case Based Approach” Chapter 6, www.fleshandbones.com/readingroom/pdf/399.pdf

The second assertion made by supporters of the quality of life as a criterion for decisionmaking is closely related to the first, but with an added dimension. This assertion suggests that the determination of the value of the quality of a given life is a subjective determination to be made by the person experiencing that life. The important addition here is that the decision is a personal one that, ideally, ought not to be made externally by another person but internally by the individual involved. Katherine Lewis made this decision for herself based on a comparison between two stages of her life. So did James Brady. Without this element, decisions based on quality of life criteria lack salient information and the patients concerned cannot give informed consent. Patients must be given the opportunity to decide for themselves whether they think their lives are worth living or not. To ignore or overlook patients’ judgement in this matter is to violate their autonomy and their freedom to decide for themselves on the basis of relevant information about their future, and comparative consideration of their past. As the deontological position puts it so well, to do so is to violate the imperative that we must treat persons as rational and as ends in themselves.

## AT: Social Death

#### Finishing Brown

like the one described by Butter- worth. Even as Hartman seems to agree with Paul Gilroy on the “value of seeing the consciousness of the slave as involving an extended act of mourning,” she remains so focused on her own commemorations that her text makes little space for a consideration of how the enslaved struggled with alienation and the fragility of belonging, or of the mourning rites they used to confront their condition.24 All of the ques- tions she raises about the meaning of slavery in the present—both highly personal and insistently political—might as well be asked about the meaning of slavery to slaves themselves, that is, if one begins by closely examining their social and political lives rather than assuming their lack of social being. Here Hartman is undone by her reliance on Orlando Patterson’s totalizing definition of slavery. She asserts that “no solace can be found in the death of the slave, no higher ground can be located, no perspective can be found from which death serves a greater good or becomes any- thing other than what it is.”25 If she is correct, the events on the Hudibras were of negligible importance. And indeed, Hartman’s understandable emphasis on the personal damage wrought by slavery encourages her to disavow two generations of social history that have demonstrated slaves’ remarkable capacity to forge fragile com- munities, preserve cultural inheritance, and resist the predations of slaveholders. This in turn precludes her from describing the ways that violence, dislocation, and death actually generate culture, politics, and consequential action by the enslaved.26¶ This limitation is particularly evident in a stunning chapter that Hartman calls “The Dead Book.” Here she creatively reimagines the events that occurred on the voyage of the slave ship Recovery, bound, like the Hudibras, from the Bight of Biafra to Grenada, when Captain John Kimber hung an enslaved girl naked from the mizzen stay and beat her, ultimately to her death, for being “sulky”: she was sick and could not dance when so ordered. As Hartman notes, the event would have been unre- markable had not Captain Kimber been tried for murder on the testimony of the ship’s surgeon, a brief transcript of the trial been published, and the woman’s death been offered up as allegory by the abolitionist William Wilberforce and the graphic satirist Isaac Cruikshank. Hartman re-creates the murder and the surge of words it inspired, representing the perspectives of the captain, the surgeon, and the aboli tionist, for each of whom the girl was a cipher “outfitted in a different guise,” and then she puts herself in the position of the victim, substituting her own voice for the unknowable thoughts of the girl. Imagining the experience as her own and wistfully representing her demise as a suicide—a final act of agency—Hartman hopes, by this bold device, to save the girl from oblivion. Or perhaps her hope is to prove the impossibility of ever doing so, because by failing, she concedes that the girl cannot be put to rest. It is a compelling move, but there is something missing. Hartman discerns a convincing subject position for all of the participants in the events sur- rounding the death of the girl, except for the other slaves who watched the woman die and carried the memory with them to the Americas, presumably to tell others, plausibly even survivors of the Hudibras, who must have drawn from such stories a basic perspective on the history of the Atlantic world. For the enslaved spectators, Hartman imagines only a fatalistic detachment: “The women were assembled a few feet away, but it might well have been a thousand. They held back from the girl, steering clear of her bad luck, pestilence, and recklessness. Some said she had lost her mind. What could they do, anyway? The women danced and sang as she lay dying.”¶ Hartman ends her odyssey among the Gwolu, descendants of peoples who fled the slave raids and who, as communities of refugees, shared her sense of dispos- session. “Newcomers were welcome. It didn’t matter that they weren’t kin because genealogy didn’t matter”; rather, “building community did.” Lose Your Mother con- cludes with a moving description of a particular one of their songs, a lament for those who were lost, which resonated deeply with her sense of slavery’s meaning in the present. And yet Hartman has more difficulty hearing similar cries intoned in the past by slaves who managed to find themselves.27¶ Saltwater Slavery has much in common with Lose Your Mother. Smallwood’s study of the slave trade from the Gold Coast to the British Americas in the late seventeenth and early eighteenth centuries likewise redeems the experience of the people traded like so many bolts of cloth, “who were represented merely as ciphers in the political arithmetic,” and therefore “feature in the documentary record not as subjects of a social history but as objects or quantities.”28 Each text offers a penetrating analysis of the market logic that turned people into goods. Both books work with the concept of social death. However, Smallwood examines the problem of social death for the enslaved even more closely than Hartman does.29¶ Like Hartman, Smallwood sees social death as a by-product of commodification. “If in the regime of the market Africans’ most socially relevant feature was their exchangeability,” she argues, “for Africans as immigrants the most socially relevant feature was their isolation, their desperate need to restore some measure of social life to counterbalance the alienation engendered by their social death.” But Small- wood’s approach is different in a subtle way. Whereas for Hartman, as for others, social death is an accomplished state of being, Smallwood veers between a notion of social death as an actual condition produced by violent dislocation and social death as a compelling threat. On the one hand, she argues, captivity on the Atlantic littoral was a social death. Exchangeable persons “inhabited a new category of mar- ginalization, one not of extreme alienation within the community, but rather of ab- solute exclusion from any community.” She seems to accept the idea of enslaved commodities as finished products for whom there could be no socially relevant relationships: “the slave cargo constituted the antithesis of community.” Yet elsewhere she contends that captives were only “menaced” with social death. “At every point along the passage from African to New World markets,” she writes, “we find a stark contest between slave traders and slaves, between the traders’ will to commodify people and the captives’ will to remain fully recognizable as human subjects.”30 Here, I think, Smallwood captures the truth of the idea: social death was a receding ho- rizon—the farther slaveholders moved toward the goal of complete mastery, the more they found that struggles with their human property would continue, even into the most elemental realms: birth, hunger, health, fellowship, sex, death, and time.¶ If social death did not define the slaves’ condition, it did frame their vision of apocalypse. In a harrowing chapter on the meaning of death (that is, physical death) during the Atlantic passage, Smallwood is clear that the captives could have no frame of reference for the experience aboard the slave ships, but she also shows how des- perate they were to make one. If they could not reassemble some meaningful way to map their social worlds, “slaves could foresee only further descent into an endless purgatory.” The women aboard the Hudibras were not in fact the living dead; they were the mothers of gasping new societies. Their view of the danger that confronted them made their mourning rites vitally important, putting these at the center of the women’s emerging lives as slaves—and as a result at the heart of the struggles that would define them. As Smallwood argues, this was first and foremost a battle over their presence in time, to define their place among ancestors, kin, friends, and future progeny. “The connection Africans needed was a narrative continuity between past and present—an epistemological means of connecting the dots between there and here, then and now, to craft a coherent story out of incoherent experience.” That is precisely what the women on the Hudibras fought to accomplish.31