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Case Western DD Aff. NDT -- SPS
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DD @ NDT Aff vs. Berk RS Green, RJ, Pfister, Wenzlaff

Case Western Aff Round 2

Ob. 1- Inherency

1. NASA has abandoned Space Solar power, a tech that could easily provide gigawatts of electricity

John Gartner, Wired News, June 22, 2004

Scientists from around.....thousands of homes

2. We are ready to build a SSP system now, the biggest hurdle, transportation costs, will be overcome as soon as a plan is implemented

Space Solar Power Workshop, 2004 www.sspi.gatech.edu

Studies of Space.....and space tourism

Plan: The USFG should establish a space solar power energy policy requiring nongovernmental fossil fuel electricity production be capped at 80% of current levels by 2020 and the remaining electricity production be replaced with space solar power.

Advantage 1- Space Exploration

1. Note that the tech accompanying SSP key to Space exploration in general

John Gartner, Wired News, June 22, 2004

Brandhorst said that.....best alternative

2. SSP will quickly become lucrative for private business

David, Space.com, October 17, 2001

That study is.....study on SSP

3. The Private Sector is key to the future exploration of space, and Bush is failing to capitalize on this possibility

Berger, Jan. 10, 2004

For the forthcoming.....Lockheed Martin

4. SSP is absolutely key to space exploration including missions to mars

Mankins, 1997, A Fresh Look at SSpace Solar POver, NASA

Lastly, there are.....inner solar system

5. Exploring other planets is key to human species survival

Carl Sagan 1994 "A pale blue dot"

We believe that the.....its own or teamed with others

Advantage 2- Poverty

1. Centralized power distribution networks reinscribe the rich poor gap, they sidetrack populations who have the most need dooming billions to poverty

ITDG June 2004 Position paper for Renewables

Achieving theenergy options

2. SSP can be the lynchpin in providing power to places that don't have access, providing water, lights, and communication

David, Space.com Oct. 17, 2001

Hubert Davis.....everyone, Davis said.

3. Even SQ interest in renewables cannot solve the rich poor gap

ITDG June 2004 Position Paper for renewables

More than a century.....escape poverty

4. SSP is key to helping people who can't afford energy

Gartner, Wired News, June 22, 2004

Brandhorst said.....energy distribution

5. There is money to be used to alleviate energy disparities- getting around the distribution problem solves

Paul Roberts, The end of oil, 2004

This solution is not likely toever to be made

Advantage 3- climate

1. New co2 studies are unequivocal- human emissions trigger warming

Belfast telegraph, 2-19-05

Scientists have found.....dr. curry said

2. If warming continues runaway greenhouse will occur

Hall, 2002, www.maineskeptic.com/runawaygreenhouseeffect.html

The greenhouse effect.....is reached

3. Warming triggers oceanic shifts responsible for oscillations

Broeker, Jan. 1999, Geological Scientists of America Today, VOI.9, Number 1 pg. 4

During the course of theto shut down

4. Oscillations kill billions

Milbrath, 1994, the futurist

As this scenario.....house of cards

5. Global Warming causes the earth to explode

CHalko, 2001, sci-e-research.com/geophysiscs.html

Consequences of global.....becomes irreversible

Ob. 4- solvency

1. SSP is limitless- no new science is required

Smith, Aug. 11, 2003, Space Daily

Energy policy.....do it routinely

2. In less than 2 years satellites could be transmitting energy wirelessly form space

Gartner, Wired NEws, JUne 22, 2004

Interest in solar.....options, he said

3. NASA will partner with private industry if there is a financial push for it, but companies haven't come thorough

Cha March 19, 2003 Washington Post

NASA has dabbled.....space industry

4. SSP is an essential part of the US energy Policy

Smith 2003 Spacec daily

Looking at the major.....space solar power

5. SSP complements and improves terrestrial solar power

Landis 2004 Reinventing the solar power satillite

Analyses of space.....space solar power

6. The positives o/w the negs of SSP

Price, March 23, 2001 NASA news

All in all.....Mankins said

7. This is not sim city, it won't hurt anyone

Dyej 2001, ABCnews.com

The electric energythe power grid

8. 20% by 2020 would significantly solve CO2 emissions

Sierra Club 2004 maine.sierraclub.org/energy_-_rps.htm

Electricity generation.....million pounds