# 2AC

## Geoengineering CP

## Question their impact – treating all aerosols as SO2 doesn’t effectively simulate dimming

Ramanathan and Feng, University of California-San Diego climate professor, 9

(Veerabhadran; and Y., Scripps Institution of Oceanography, University of California at San Diego, United Kingdom, "Air pollution, greenhouse gases and climate change: Global and regional perspectives," Atmospheric Environment Volume 43, Issue 1, January 2009, Science Direct, accessed 9-7-12, mtf)

6. Conclusion and future … are of opposite signs.

## SO2 impact is uncertain- but the data on reducing CO2 is clear

Union of Concerned Scientists, 9

(UCS the leading science-based nonprofit working for a healthy environment and a safer world. UCS combines independent scientific research and citizen action to develop innovative, practical solutions and to secure responsible changes in government policy, corporate practices, and consumer choices, "Does air pollution—specifically particulate matter (aerosols)—affect global warming?," 5-1-09, http://www.ucsusa.org/global\_warming/science\_and\_impacts/science/aerosols-and-global-warming-faq.html, accessed 9-7-12, mtf)

Aerosol particles and climate … of short-lived particles.

## Counterplan spurs warming

Ramanathan et al., University of California-San Diego climate professor, 8

(Veerabhadran, Distinguished Professor of Atmospheric and Climate Sciences at the Scripps Institution of Oceanography at the University of California, San Diego; and Gregory R. Carmichael, Co-Director of Center for Global and Regional Environmental Research and Environmental Engineering professor at the University of Iowa, "Global and regional climate changes due to black carbon," Nature Geoscience 1, March 23, 2008, http://www.nature.com/ngeo/journal/v1/n4/full/ngeo156.html, accessed 9-7-12, mtf)

Black carbon in …of Arctic sea ice.

**Steel**

## Imports high now

U.S. Department of Commerce ‘12

(“U.S. Census Bureau News” <http://www.census.gov/foreign-trade/Press-Release/2012pr/09/steel/stltext.pdf> accessed: 11-3-12 mlb)

The U.S. Census Bureau … occurred primarily with Korea.

## Wind production won’t lead to a shortage of steel

Wilburn, Department of the Interior, 11

(David R., "Wind Energy in the United States and Materials Required for the Land-Based Wind Turbine Industry From 2010 Through 2030," U.S. Department of The Interior, 2011, d/a 9-6-12, ZML)

The results of the … of anticipated capacity.

**Prices for natural gas are local and not uniform**

**Forbes, 6-13**-12

(“4 Reasons Natural Gas Is So Cheap,” accessed 9-20-12, <http://www.forbes.com/sites/investopedia/2012/06/13/4-reasons-natural-gas-is-so-cheap/>)

1. **The Markets Are … U.S. it is falling.** (For more information, check out What Determines Gas Prices?)

**Fracking ensures prices remain low and cost competitive**

**Forbes, 6-13**-12

(“4 Reasons Natural Gas Is So Cheap,” accessed 9-20-12, <http://www.forbes.com/sites/investopedia/2012/06/13/4-reasons-natural-gas-is-so-cheap/>)

3. Fracking **Fracking** isn’t … energy companies are not.

## Empirically denied – 98 steel crisis

International trade administration No date

( <http://www.ita.doc.gov/media/ch2.pdf> accessed: 11-3-12 mlb)

The U.S. steel crisis … drop sharply