

AOSC 433/633 & CHEM 433/633 Atmospheric Chemistry and Climate

Problem Set #6

Due: Tuesday, 7 May 2013

100 points: Undergraduate students enrolled in 433 only !

Late penalty: 20 points per day (i.e., please try turn this in on time).

Final deadline: Thursday, 9 May 2013 (start of class).

We will read each reply carefully and make an assessment based on our view of how well material presented throughout the class, or perhaps gleaned from other sources, is integrated into a coherent, thoughtful reply. We look forward to learning from your replies ☺.

A Plan For The U.S. To Meet Its Future Energy and Transportation Needs

You have just been appointed “Energy Czar” of the United States. President Obama has asked you to present a plan for the nation to meet its future energy needs, taking into account climate change, air quality, as well as the impending shortage of oil. Specifically, the President has asked you to address the Nation’s future electricity supply and transportation needs in a manner that is both environmentally friendly cost effective over the long-term, even if the plan requires significant initial investment.

The President’s parting words when describing this request were “when dealing with energy, it is hard to separate the charlatan from the prophet”.

As part of your plan to gain advocacy for your vision of America’s energy future, you have decided to produce a “one page” briefing paper that highlights the plan.

Please share your *one-page* plan for America’s energy future. Your reply can take whatever format you’d like: i.e., paragraphs, bullet statements, etc are all fine. Your reply can be produced using Word, Powerpoint, etc. The only requirement is that your plan *fit onto a single piece of paper (one side)* ☺

Please write your name on the back, so that we can read your response without knowing by whom it was written (use a pencil if you think your name will show through the paper).

We will select three responses for presentation in class on 9 May 2013.

If your response is selected, we will contact you prior to noon on 8 May ☺