

## Speaker # 85 May 19, 2016

I am speaker #85. My name is Joe Andrade. I am a retired engineer.

Speaker #84 understands. He basically said that everything is connected to everything else. It's all interconnected: energy, economy, jobs, and the health of the planet. Nothing is isolated.

Most of us here are advocating for jobs - in our own communities. We want jobs for two main reasons:

to provide for the support and wellbeing of our families and communities; and  
to provide a sense of personal value, meaning, and purpose.

Nearly every single one of us - if pushed against the wall - will fight for our families. Some fight for their communities. And some volunteer and fight for their nation. But very few fight for their planet.

I'm not talking about Star Wars or inter-Galactic evil. I mean fighting the economic system which is rapidly destroying the very planet on which everything else depends - people, families, communities, nations. Everything is completely dependent on the health of the planet - and yet almost everything we do is severely damaging the planet.

In order to keep the atmosphere, the oceans, the land from being totally destroyed, our economics must change - quickly. We need to have the guts and the brains to engineer that change - to carry out a very difficult economic transformation.

The solution to any problem is to first recognize that there is a problem - and to get to the bottom of it - and then, creatively, solve it.

Energy is the basis of our economy - of our civilization. And Energy is the major problem and challenge. Many steps are needed to fix, to transform, the economy. But our leaders - at nearly all levels - are clueless as to what those steps are, because most refuse to recognize that there is even a problem to be solved.

The first step to transforming the economy - and to maintaining the health of the planet - is clear. You in the yellow shirts are already experiencing the transformation being discussed here today. Step #1 is: **Keep carbon in the ground - all of it - coal, oil, shale, gas - all of it.**

The longer we delay, the harder it will be. The economy must - and will - be transformed. It will transform with or without our planning and cooperation. But without our help the

transformation will be more chaotic, more disruptive, more damaging, and more traumatic than it would have needed to be.

Step #1 is underway. Other steps will follow - with and without our input or permission.

presented by Joe Andrade, May 19, 2016 at the Dept of the Interior, BLM, information gathering meeting in Salt Lake City, UT

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Portion of the 500 plus people attending BLM SLC Coal Leasing session, 5-19-2016