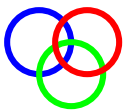
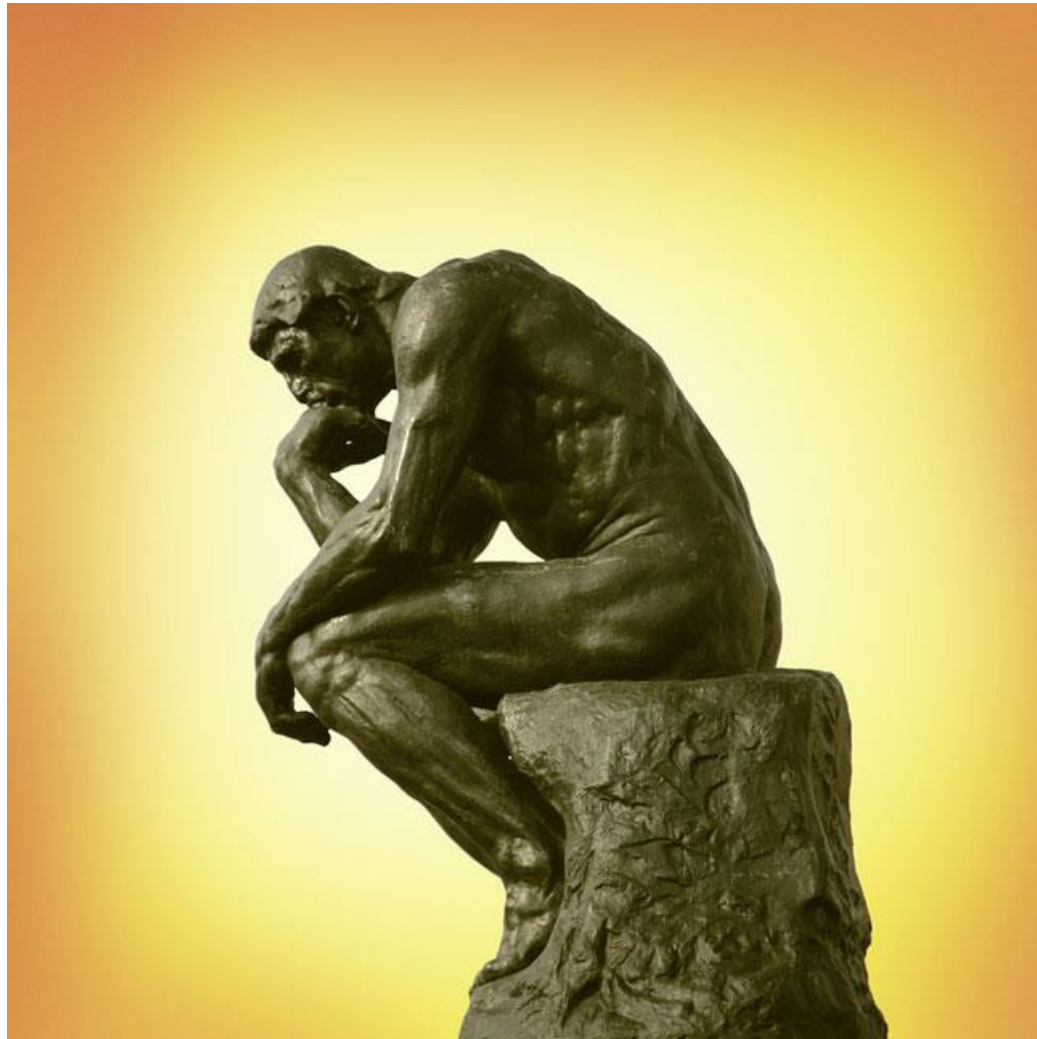


# **Above Ground Issues in Energy and Energy Development**

**Dec. 8, 2014**

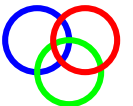
# What the Frac is going on?



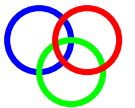
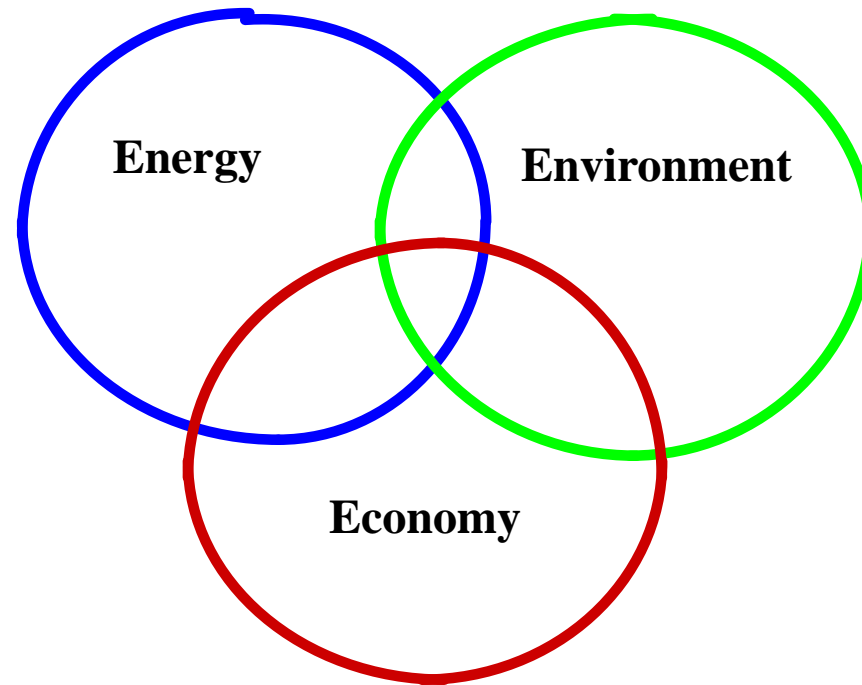
# Experts

**Don't know any more than you do.**

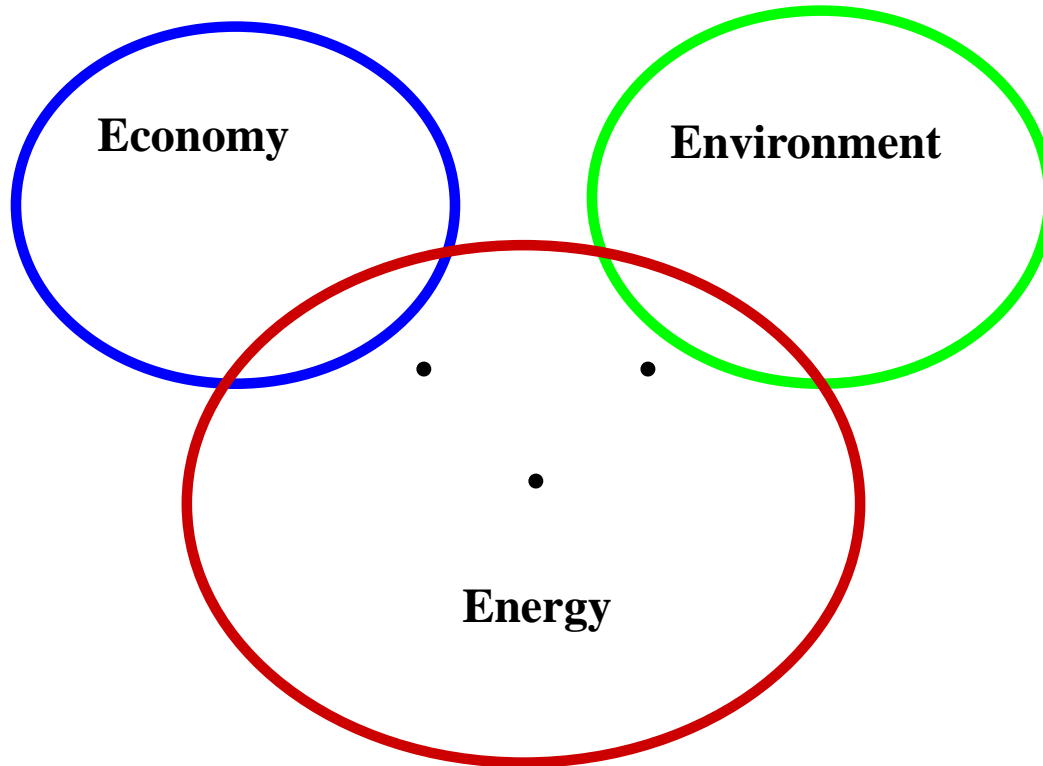
**They're just better organized and have slides.**



# The Energy LITERACY Project

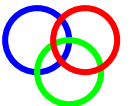


# Unbalanced



## Unsustainable

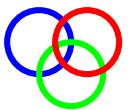
- Parochial
- Self Serving
- Waste of Resources



# **An Economic Impact Statement**

**The Obama Administration was the first to acknowledge that their Energy Policy and their Environmental Policy were one in the same.**

**The next step is to bring in the Economic impact of policy on an equal footing.**



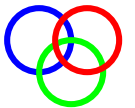
# PRUDENT DEVELOPMENT

Realizing the Potential of North America's Abundant  
Natural Gas and Oil Resources



A report of the National Petroleum Council  
September 2011

Committee on Resource Development  
James T. Hackett, Chair



# Prudent Development

- **Prudent development requires**

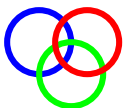
  - Public Trust**

    - Without Public Trust the Development is not prudent
    - And might not be allowed

- **Public trust requires**

  - Community Engagement**

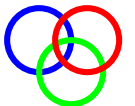
    - Effective Engagement
    - This session is designed to be such engagement and hopefully effective engagement





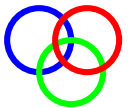
# The Agendas

- **Concerns about drilling**
  - **Noise, Dust and Light**
  - **Proximity**
  - **Roads**
  - **Demand for services**
  - **Other**
- **Health and Safety**
- **Global Warming**
- **Other**



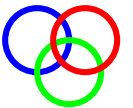
# The Split Estate

## NIMBY or BANANA



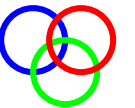
# **The Governor's Energy Task Force**

**“History teaches us that men, nations  
(and energy companies) behave wisely  
once they have exhausted all other  
alternatives.”**



# Energy

## The Current Picture



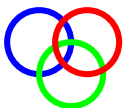
# The Current Perception

## Fact:

There is no economic activity that can take place without the Consumption of some Energy.

## Public Response:

“You’re probably right, but I wish you hadn’t told me.”



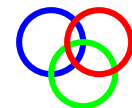
# The Issue is Global



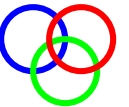
**A BTU by any other color  
(or where it comes from) is  
still a BTU.**

**The Global Economy  
needs every BTU it can  
get.**

**The environment does not  
recognize political  
boundaries.**



# The Price of Pristineness

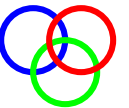


# Energy and Life

**“When I look at the world, I see that the carbon dioxide rate is increasing.**

**This is because energy demand is increasing, because without energy life is brutal and short.”**

**John Christy -- Noble Laureate**



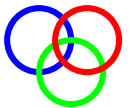
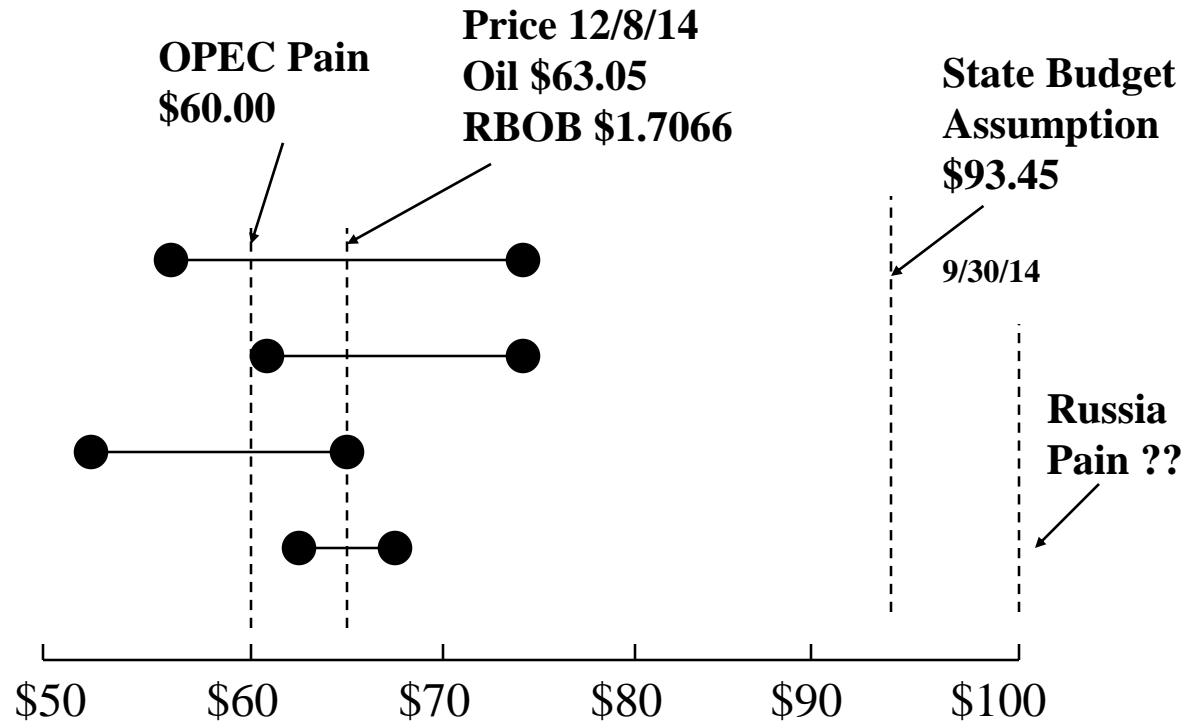


# Pain or Pleasure of Low Oil Price

## Shale Formation

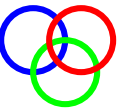
B.E. Price Range

**Permian**  
**Bakken**  
**Eagle Ford**  
**Niobrara**



**Words of Wisdom**  
**by Flumius Minor**

*Pecunia Fluxio Positivas Est Felicitas*



# 2000 Through 2013 Oil Price Histogram

