

Antagonisms & Protagonisms of Alternative Energy Sources and Their Effects on Ranchers

Range Beef Cow Symposium XX
December 2007

Leanne Stevenson
Wyoming Department of Agriculture
Manager, Natural Resources & Policy

Alternative Energy Sources

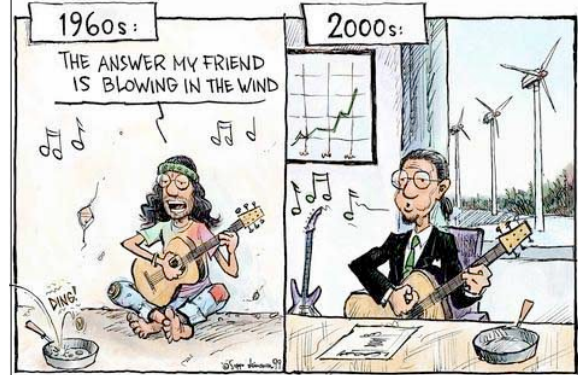
- Biomass
- Geothermal Energy
- Hydroelectric Conventional
- Solar/PV energy
- Wind Energy

Source: Energy Information Administration

Alternative Energy Source Drivers

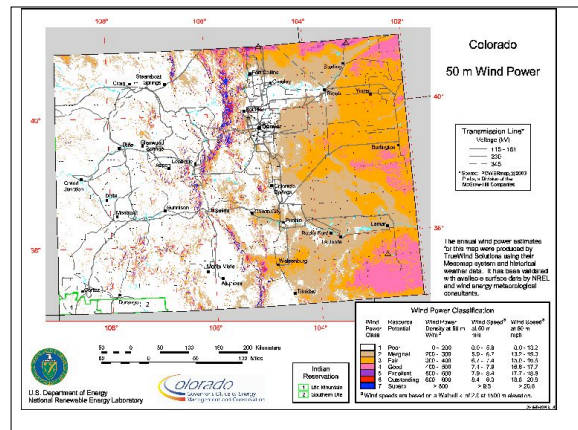
- US power use increase
 - 25% last 20 years
- Renewable Portfolio Standards (RPS)
 - Each state's RPS is different (30 states)
 - Colorado states 16.1% of energy must come from renewable sources by 2020
- Nebraska, South Dakota & Wyoming – no RPS

Wind Energy – Going Green



Wind Energy Development Potential

- Six Major Components
 1. Wind energy resources



Summary

- Wind power generation is an environmentally friendly option
- Allows for agriculture diversification while keeping most of the land in production ag
- As a landowner, learn about your wind resource and then market it to its full potential

