What Does It Take to Turn You On? 2009/2010

50% of the nation's electricity is currently produced by coal and Wyoming produces 30% of that coal. However, coal also produces 659.3 pounds of CO_2 per million BTU's. Knowing that there is a finite amount of coal and that there is an increasing push toward renewable energy and lower CO_2 producing energy sources, what should Wyoming's "new" coal be?

Design your own method/system for producing electricity to light-up one or more LED's. Justify the efficiency and viability of your system.

As energy advisors to the Governor, design an energy 'portfolio' for the state of Wyoming in relationship to electrical energy production. Present your recommendations to representatives from the Governor's office, U.S. and state congressional delegations, the Wyoming Mining Association, the Sierra Club and other interested community members on Wednesday, November11.

Labs: Calorimeter
Steam Engine

Bias vs. Objectivity: xcerpts from periodicals:
Popular Science
Star-Tribune
*High Country News (*www.hcn.org*)*
Etc.

LA	SCI	SS
Read Write Speak Discern	Quantitative Reasoning Writing/Presenting a lab report Systems Thermal, mechanical, photovoltaic, electromagnetic energies Measurements of energy Exothermic/endothermic reactions	Intersection of science and government Group process Decision making History of Wyoming energy production Dawn of the Renaissance State & Federal regulations Economic repercussions (supply and demand)