Fossil Fuel Extraction and Regional Economic Development

Obstacles to Sustainability and Possible Remedies

Oil and Gas Summit, 11/19/10

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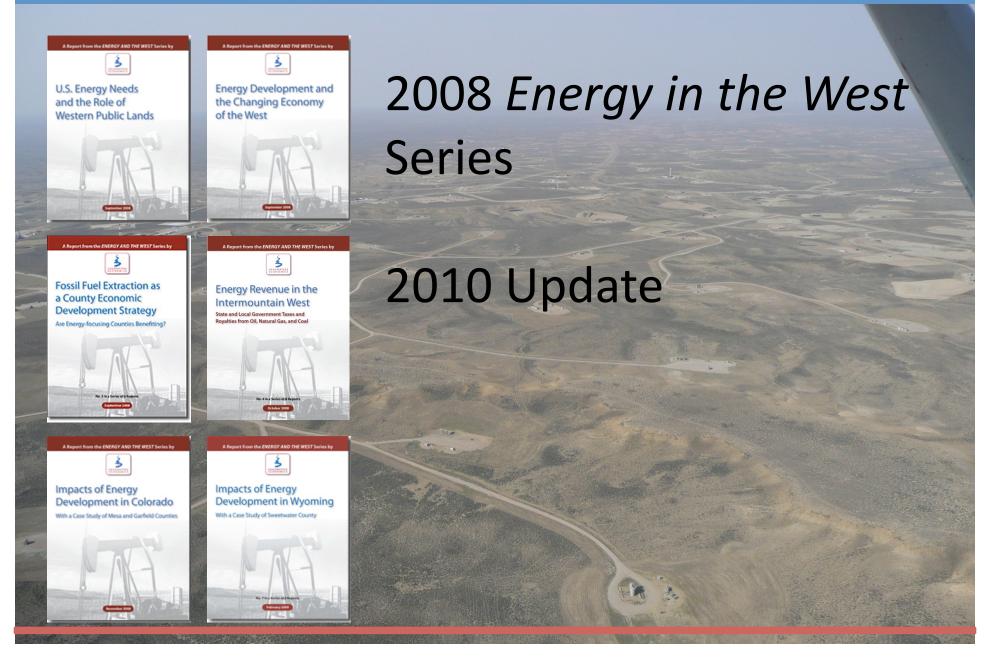


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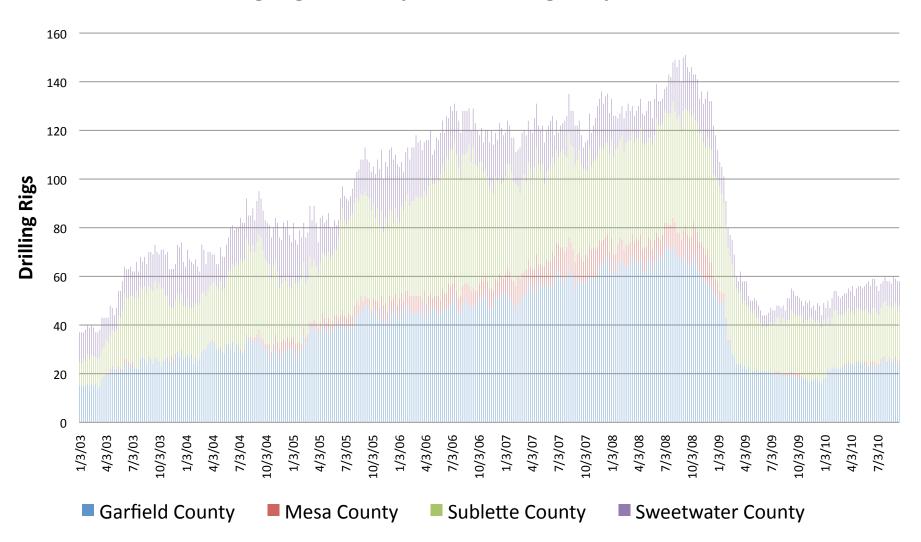
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Background



Rocky Mountain Surge and Slump

Drilling Rigs, Weekly, 2003 through Sept. 2010



Source: RigData

How Can Fossil Fuel Extraction Contribute to Sustainable Development?

Sustainable Energy Development ...

- Pays its way: impacts are well analyzed and revenues are adequate in amount and timing
- 2. Creates opportunities for investment in long-term economic development and diversification



Framework

Volatility

Unevenness

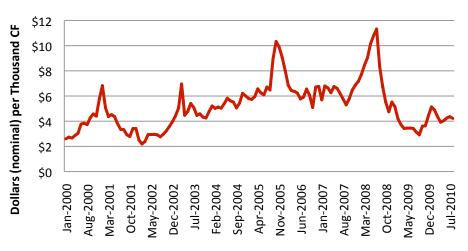
*****Timing

❖What Can be Done?

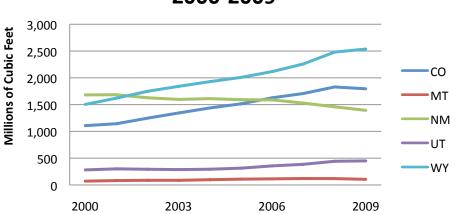


Volatility

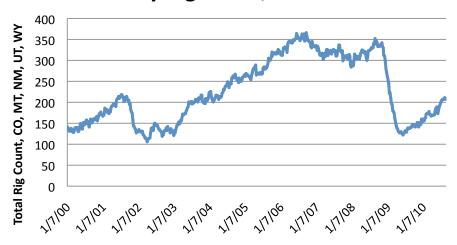
U.S. Natural Gas Wellhead Price



Natural Gas Gross Withdrawals, 2000-2009

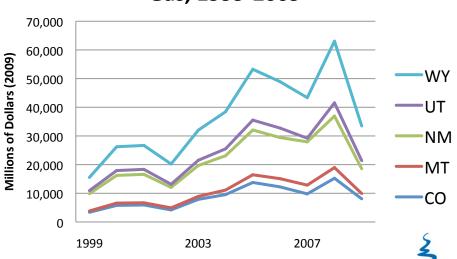


Weekly Rig Count, 2000-2010



Sources: EIA, RigData, state oil and gas commissions

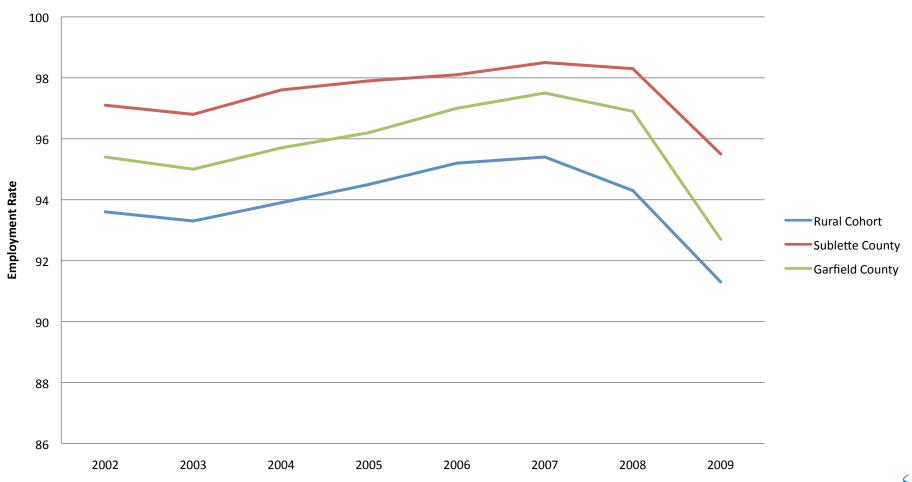
Production Value, Oil and Natural Gas, 1999-2009



Employment Impacts

Annual Employment Rate, 2002-2009

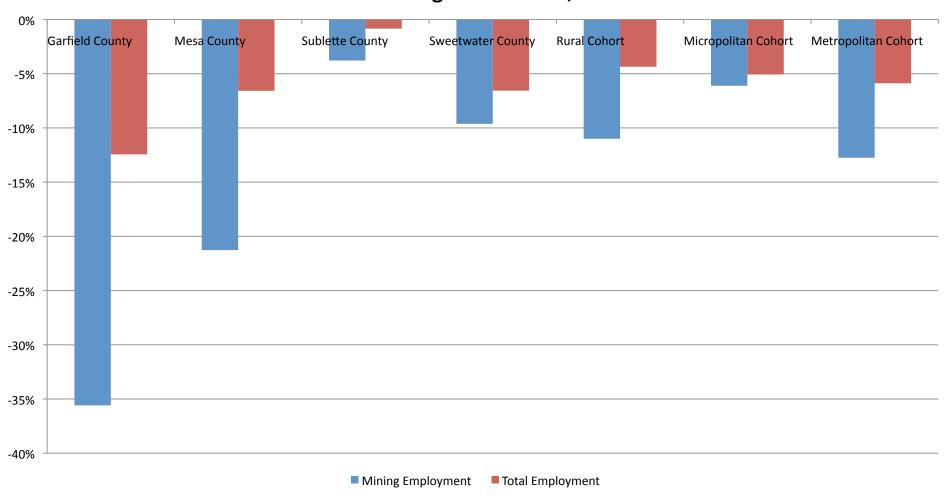
Sublette and Garfield counties and Rural Cohort



Source: BLS, QCEW

Employment Impacts

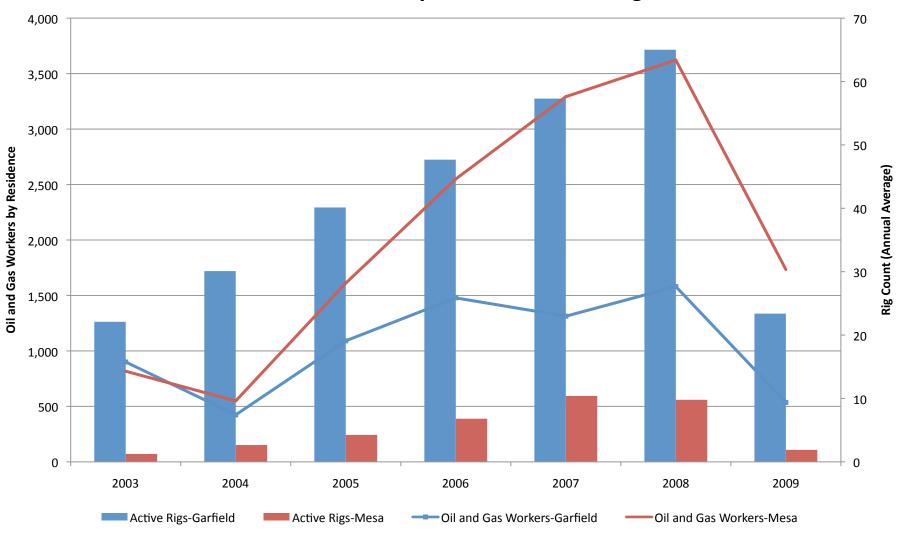
Job Loss in Mining v. Total Jobs, 2008-2009



Source: BLS, QCEW

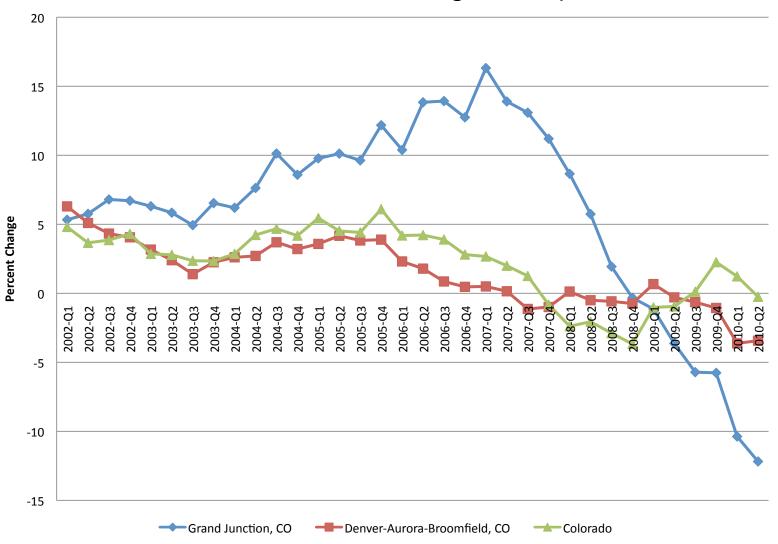
Housing Impacts

Worker Residency v. Location of Drilling



Housing Impacts

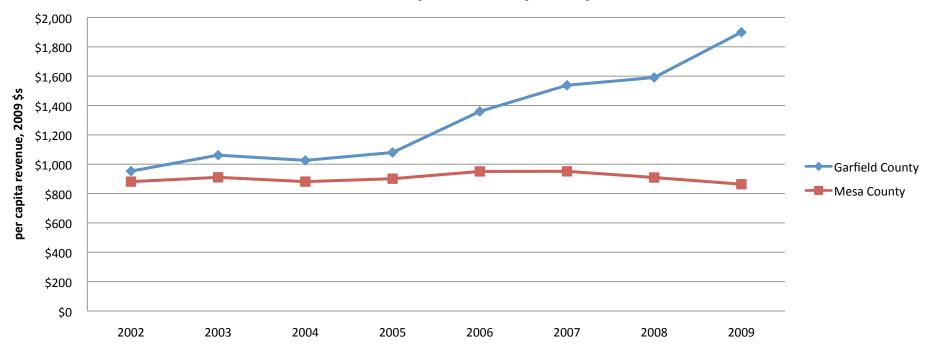
Four-Quarter Percent Change in FHFA House Price Indexes (All Transactions Index, through 2010Q2)





Fiscal Impacts

Total County Revenue per capita



Investments in Diversification



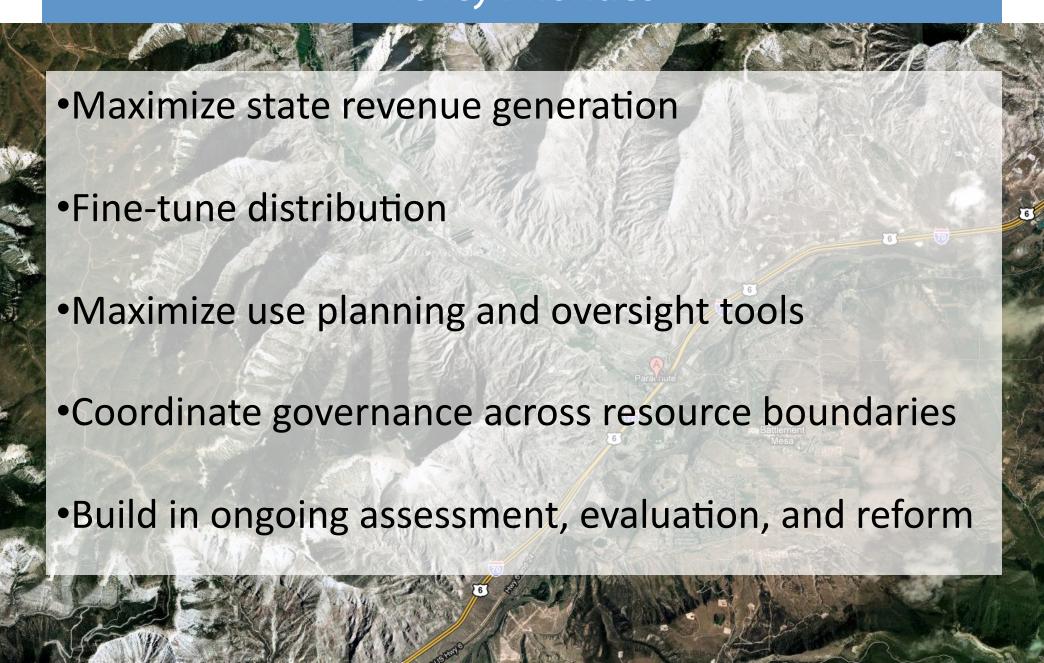
What Can be Done

Volatility, Unevenness, Timing:

What are realistic approaches to combat the negative aspects of these problems, and maximize potential benefits of energy development?



Policy Priorities





- Staff and support local entities with a focus on continuity
- Encourage regional coordination to leverage human and institutional resources
- Demand state, federal, and industry support for ongoing evaluation and reform
- Ask industry lots of questions

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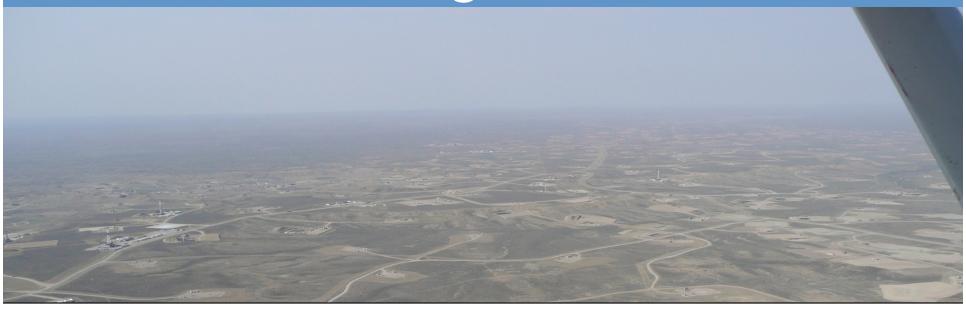


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Background



	2008 Population	OMB Classification	2008 Total Oil	2008 Natural
			& Gas	Gas Production
			Employment	(Total, MCF)
Garfield County, CO	54,838	Rural	3,389	548,853,373
Mesa County, CO	141,905	Metropolitan	4,048	40,806,415
Sublette County, WY	8,338	Rural	1,953*	1,145,006,892
Sweetwater County, WY	39,942	Micropolitan	4,414	241,222,806