

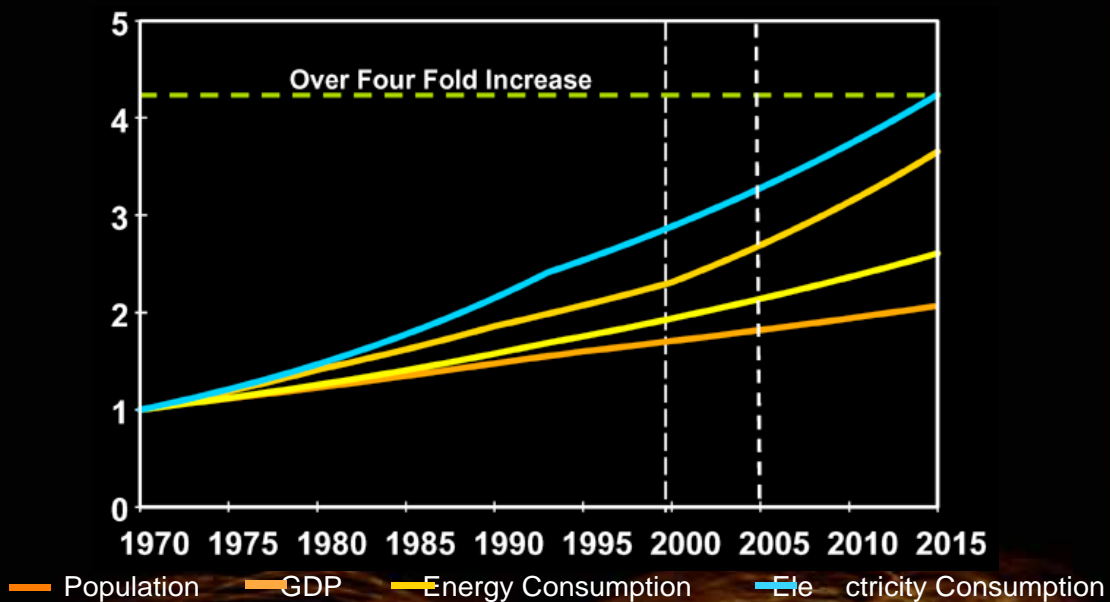
CSI Summit 2007

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Lewis Norman, Ph.D.
Research Fellow

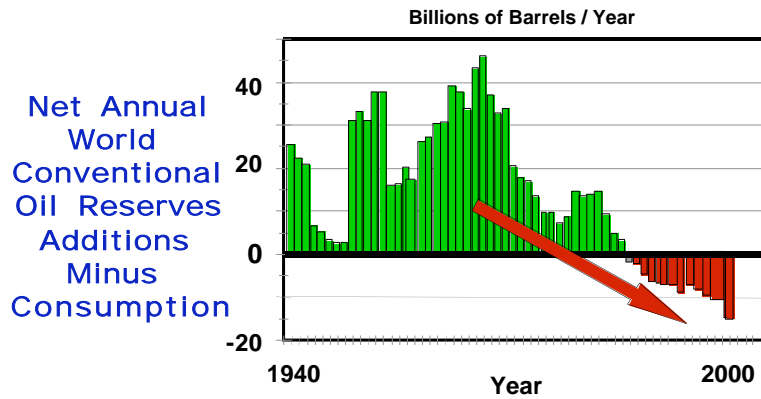
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Population, GDP, Energy, Electricity Trends . . . Index 1970 = 1



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The World Has Been Consuming Much More Oil Than It Has Been Finding.



Peak production lies ahead.

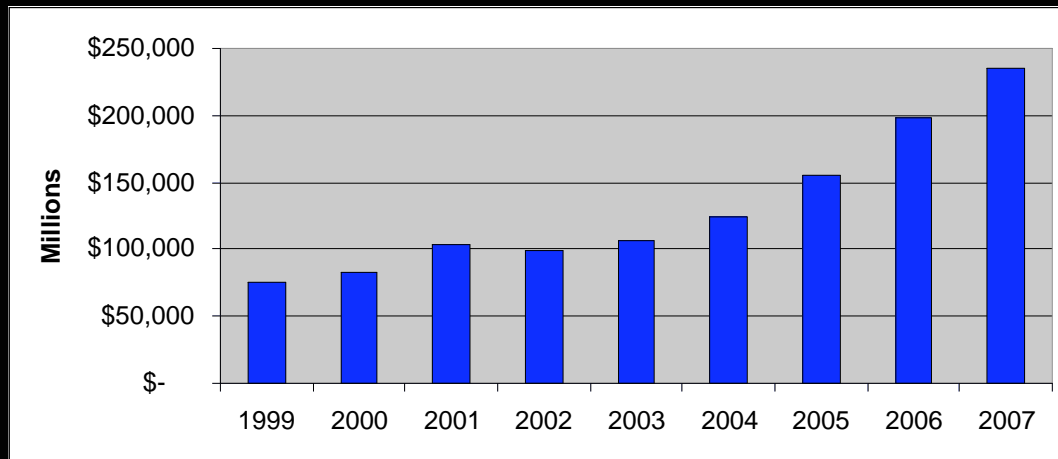
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Drilling Rig Count

	2005	2006	2007
North America	1838	2170	2409
International	835	904	957
TOTAL	2673	3074	3366
Offshore	335	349	361

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Total Oilfield Market



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Market Segments

Offshore Contract Drilling	Specialty Chemicals
Offshore Construction Services	Petroleum Aviation
Land Contract Drilling	Drill Bits
Pressure Pumping Services	Coiled Tubing Services
Oil Country Tubular Goods	Surface Equipment
Geophysical Equipment & Services	Contract Compression Services
Wireline Logging	Floating Production Services
Drilling & Completion Fluids	Logging-While-Drilling
Rig Equipment	Solids Control & Waste Management
Subsea Equipment	Unit Manufacturing
Completion Equipment & Services	Casing & Tubing Services
Directional Drilling Services	Downhole Drilling Tools
Rental & Fishing Services	Production Testing
Artificial Lift	Inspection & Coating
Supply Vessels	Mud Logging
Offshore O&M Services	Casing & Cementation Products
Well Servicing	

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Halliburton Energy Services

Global Objectives: Local Solutions

48,000+ employees

100+ countries

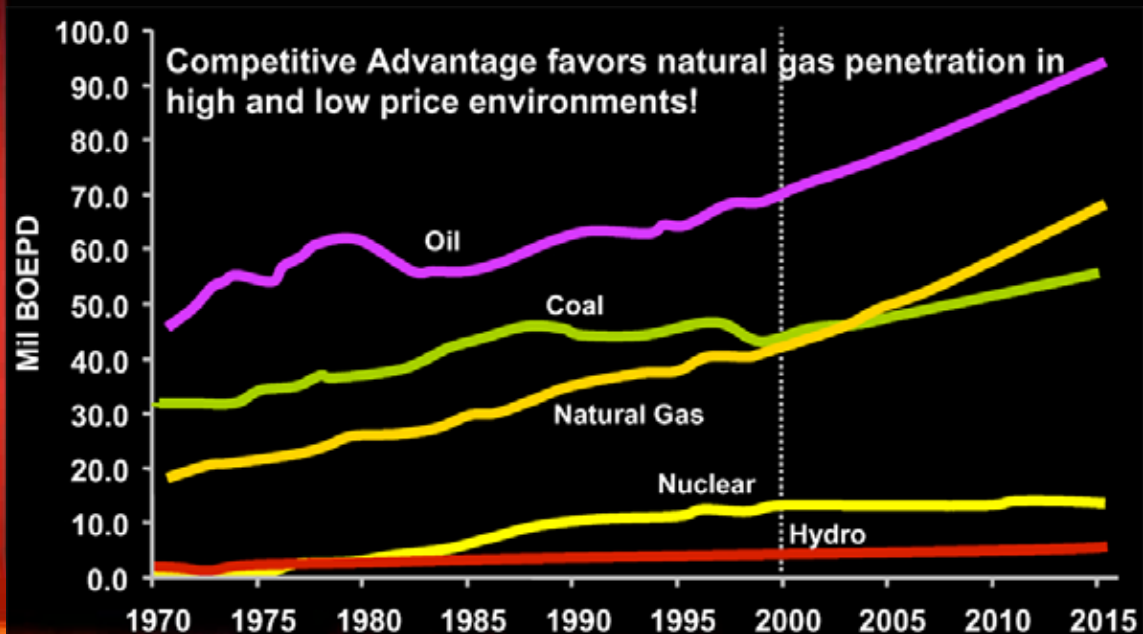
2006 Revenue \$12.9 Billion

Baroid Fluids
Cementing
Fracturing
Acidizing
Service Tools
Completion Products
Coil Tubing Services

Pipeline & Process Systems
Logging
Perforating
Drill Bits
Sperry Drilling Services
Landmark Software

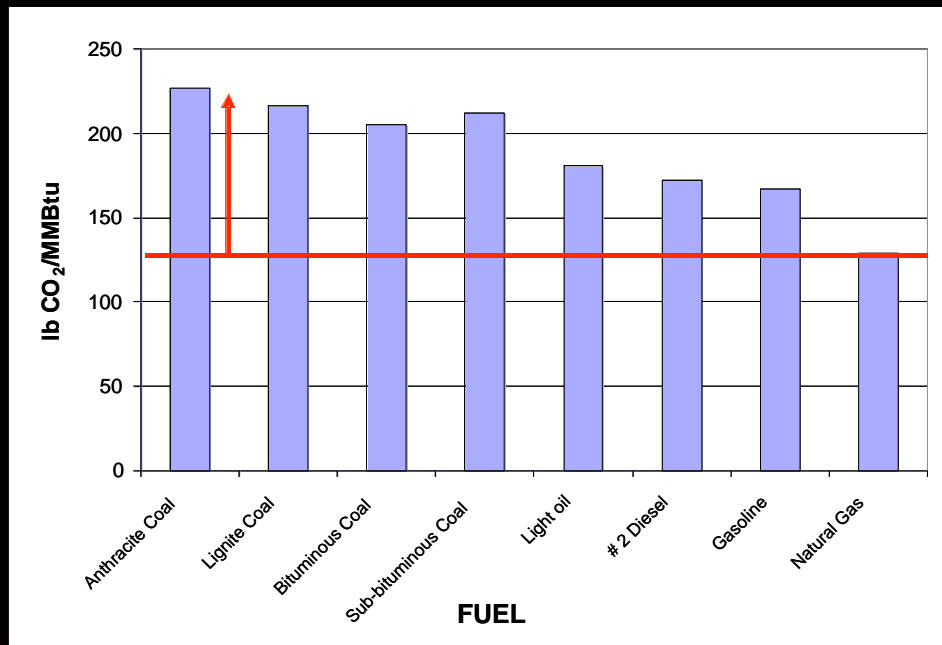
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World Energy Consumption



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Natural Gas – Our Cleanest Fuel



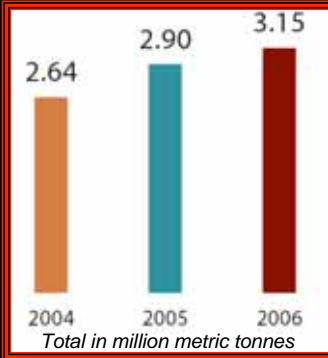
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Halliburton CleanTech Messages

1. Sustainability
2. Emission Reporting / Reduction
3. Roads
4. Policy & Technology
5. CO₂ Capture / Storage

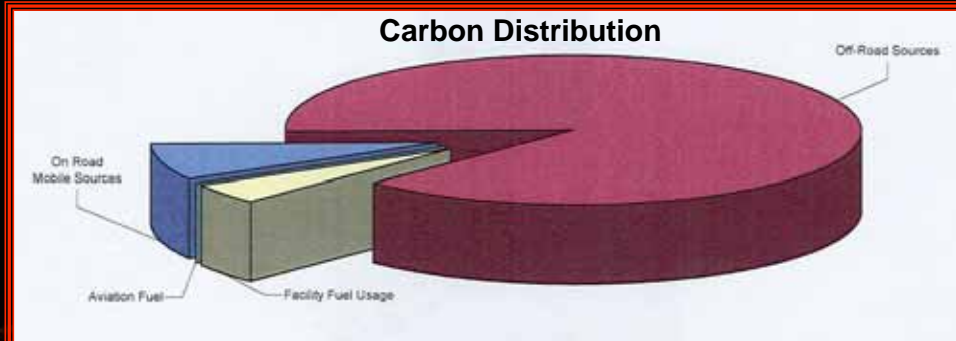
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Halliburton CO₂ Emissions



U.S. Coal Fired Power Plants

- 1,522 Plants
- One 500 megawatt plant emits 3.65 million tons/year
- Halliburton global total is .06% of the U.S. Coal Fired Plants



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CO₂ Cost Benefit from Fracturing

2 trillion scfd gas produced by hydraulically fractured reservoirs

- Represents 2000 trillion btu of energy daily
- 40 billion tons of CO₂ produced annually by burning natural gas
- 71.1 billion tons of CO₂ produced by burning coal instead

Fracturing fleet/operations produce 9 million tons of CO₂ annually

Net CO₂ savings:

CO₂ saved by burning gas: **31,100,000,000** tons annually

CO₂ produced by Fracturing fleet: **9,000,000** tons annually

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CONCLUSION

- Securing a sustainable energy supply is critical.
- Global, clean energy services will need to grow in size and scope.
- Technology, policy and economics must be advanced simultaneous.
- CO₂ disposal needs fossil fuel industry technology.

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