Energy @ McCombs

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Energy in the News

Growth opportunities
Limits and constraints
Business models
Rapid Change
U.S. Energy Flows

Estimated U.S. Energy Use in 2009: ~94.6 Quads

Source: LLNL 2010. Data is based on DOE/EIA-0384(2009), August 2010. If this information or a reproduction of it is used, credit must be given to the Lawrence Livermore National Laboratory and the Department of Energy, under whose auspices the work was performed. Distributed electricity represents only retail electricity sales and does not include self-generation. EIA reports flows for non-thermal resources (i.e., hydro, wind and solar) in BTU-equivalent values by assuming a typical fossil fuel plant "heat rate." The efficiency of electricity production is calculated as the total retail electricity delivered divided by the primary energy input into electricity generation. End use efficiency is estimated as 80% for the residential, commercial and industrial sectors, and as 25% for the transportation sector. Totals may not equal sum of components due to independent rounding. LLNL-MI-410527
Worldwide Oil Trade Flows

SOURCE: BP Statistical Review

Major trade movements 2008
Trade flows worldwide (million tonnes)

Dependence on hostile or unstable foreign countries
Shale Gas Basins In The United States

Total Resources
Potential of 500 - 1000 tcf
Electric Power Generation

Location & relative size of U.S. power plants by fuel type

Energy @ McCombs

Energy Management Information Center

Departments → Teaching & Research

- Finance
- Marketing
- BGS

Energy Finance Concentration
Clean Tech Concentrations

- Conferences
- Advisory Board (internships, visitors)

- University Community
- Wider Community
Problem: business leaders, alumni, and students want to see a more integrated approach to MBA education, one that helps students:

(i) navigate across cultures and political, ethical and legal systems, and

(iii) understand the role of government institutions, NGOs, and the larger community in business decision-making.

Demand:
- HBS survey
- MBA Oath
- Government Relations / Ethics / CSR
- Current events
BGS Department Mission:

• focus research and teaching attention on the regulatory, political, legal and ethical environment of business
• give students the skills to manage that complex ethical and legal environment in sophisticated ways

Economics of regulation
How and why government works as it does, and how to integrate government actions into business decision-making
Psychology of human decision-making (including ethical dimensions of decisions)
How and why NGOs and other external stakeholders act as they do; how to engage with stakeholders productively
How national culture influences business decision-making in global marketplace
What we are doing now:
• Research and teaching
• MBA concentrations
• BBA?
• Student groups and programs

Concentration in Ethics & CSR
• Public Affairs & Communication
• Strategy and the business environment

Business, Industry & Government MBA student group

Concentration in Business-Government Relations
• Government and Regulatory Affairs
• Strategy and the business environment

Net Impact student group

What we’d like to do ...
Questions?