

Potomac-Bethesda Rotary Club News

Rotary Club Calendar

June 23 - 6:30pm - Social - Normandie Farm
Election of 2011-2012 Officers and Directors
June 23 - 8pm - Board of Directors Meeting
June 25 - 6pm - Rotary Governor's Installation
Manor Country Club, Rockville
June 30 - 6:30pm - Meeting - Normandie Farm
2011-2012 Rotary Club Officers Installation
July 7 - 6:30pm - Service Project at Manna Food
July 14 - 6:30pm - Meeting - Normandie Farm
Joy Hachette, Maryland Insurance Administration
July 21 - 6:30pm - Meeting - Normandie Farm
July 21 - 8pm - Board of Directors Meeting
July 28 - 6:30pm - Social - Normandie Farm
August is Rotary Membership and Extension Month
August 4 - 6:30pm - Service Project at Manna Food
August 11 - 6:30pm - Meeting - Normandie Farm
Rotary District Governor Claude Morissette
August 18 - 6:30pm - Meeting - Normandie Farm
August 18 - 8pm - Board of Directors Meeting
August 25 - 6:30pm - Social - Normandie Farm
September is New Generations Month
September 1 - 6:30pm - Service Project at Manna
September 8 - 6:30pm - Meeting - Normandie Farm
September 15 - 6:30pm - Meeting - Normandie Farm
September 15 - 8pm - Board of Directors Meeting
James Offord, Black History in Montgomery County
September 22 - 6:30pm - Social - Normandie Farm
September 29 - 6:30pm - Club Assembly - Normandie Farm

June 16 Meeting Report

Vice President Nabil Bedewi announced that he had just sent his notice to Georgetown University stating that he will no longer be teaching there after this month. He'll be pursuing other interests including getting ready to become President of the Potomac-Bethesda Rotary Club in 2012-2013. Neil Cohen welcomed his wife, Arlene. Phil Meade



introduced Stephanie Glineur from Belgium who is here on a Rotary Ambassadorial Scholarship to do a post-doctorate study at the Laboratory of Allergic Diseases of the National Institute of Allergy and Infectious Diseases at the National Institutes of Health in Bethesda.



The guest speaker was Dr. Prasanna Joshi, Asia Pacific Regional Analyst, ExxonMobil Refining and Supply Company. "In our *Outlook for Energy - A View to 2030*, we see many hopeful things: economic recovery and growth, improved living standards and a reduction in poverty, and promising new energy technologies. But we also see a



tremendous challenge: how to meet the world's growing energy needs while also reducing the impact of energy use on the environment. As the *Outlook* shows, ExxonMobil expects that global energy demand in 2030 will be almost 35 percent higher than in 2005, even accounting for the recession that dampened energy demand in 2009. Other key findings include:



www.pb-rotary.org www.rotary7620.org www.rotary.org

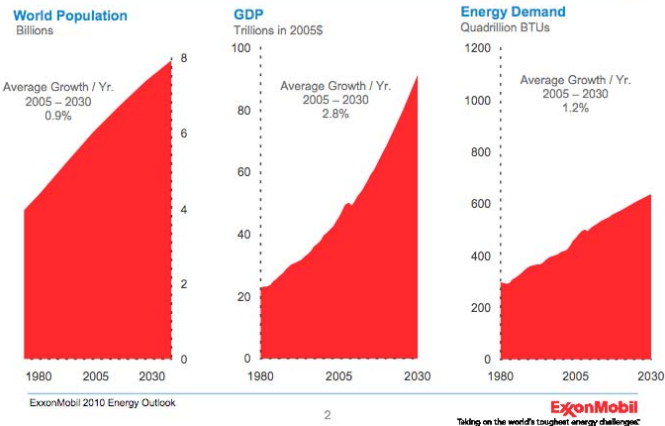
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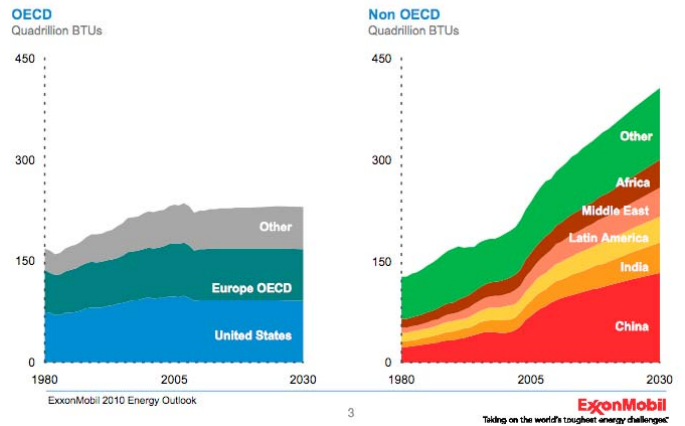
- Growth will be led by rapid expansion in non-OECD countries such as China and India, where energy usage will rise by about 65 percent.
- Demand will be particularly intense for electric power generation, which will comprise 40 percent of global energy demand by 2030.
- Oil and natural gas will remain essential, but other sources including nuclear and renewables (e.g., wind, solar and biofuels) will play an expanded role.

Population, Economics & Energy Linked



The future of energy is directly linked to the future well-being and prosperity of the world's people. Today, about 1.5 billion people, a quarter of the world's population, lack access to electricity. Even more lack modern cooking and heating fuels. Expanding access to energy and the opportunities it affords should be a shared global goal. Our energy and environmental challenges are intertwined and their scale is enormous. Today, energy use per person around the world varies dramatically but equates to an average of 200,000 British thermal units (BTUs) a day. Globally, that translates to 15 billion BTUs every second. ExxonMobil believes that

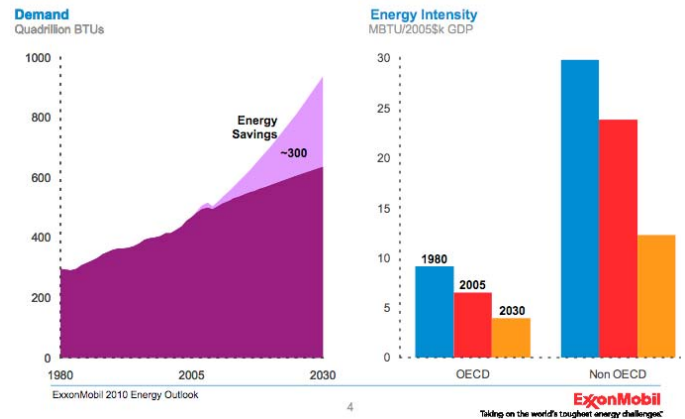
Expansion Economies Drive Demand



meeting future energy needs while also reducing environmental risk will require an integrated set of solutions that includes:

- Accelerating energy efficiency, which tempers demand and saves emissions
- Expanding all economic energy sources, including oil and natural gas
- Mitigating emissions through the use of new technologies and cleaner-burning fuels such as natural gas, nuclear and other renewable sources.

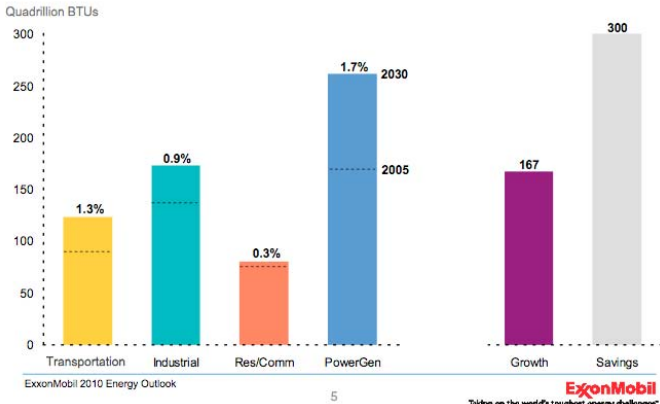
Efficiency Key to Meeting Demand



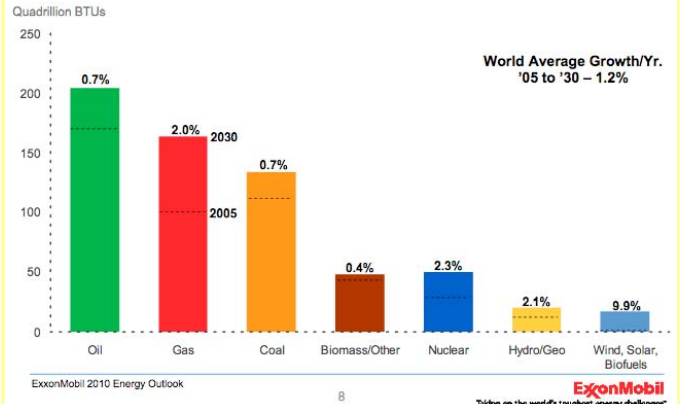
This multidimensional approach will need trillions of dollars in investment, and an unwavering commitment to innovation and technology that evolves over years and decades. It will require sound, stable government policies that enable access to resources and encourage long-term investments and technological development. And it will require the global energy industry to operate on a scale even larger than today.

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Power Generation Leads Growth

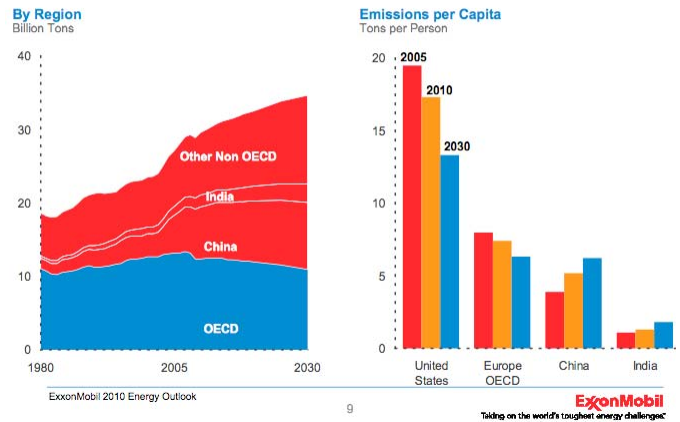


Energy Mix Continues to Evolve

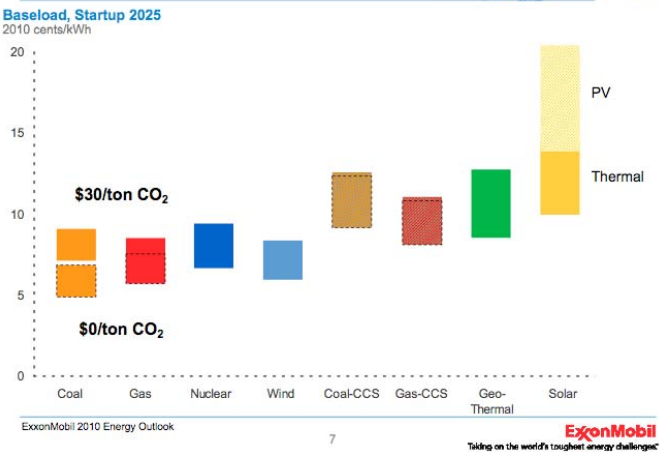


Updated each year, The *Outlook for Energy* is a comprehensive look at long-term trends in energy demand, supply, emissions and technology. The report is built upon detailed analysis of data from about 100 countries, incorporating publicly available information as well as in-house expertise." Excerpts from his PowerPoint presentation are included in this newsletter.

Regional CO₂ Emissions Trends Vary

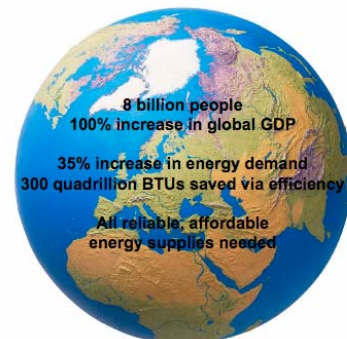


Economic Choices for U.S. Power



Development Challenges and Solutions

World development continues, while lives improve and economies grow



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