

Some factoids on oil demand/supply over the period 2000-2005.

2000 – world population 6.1 billion, 77 million bo/day, USA 284 million people, 19.7 million bo/day

2005 –world pop 6.4 billion, 82.6 million bo/day, USA 295 million, 20.52 million bo/day

world wide: population grew by 1.21%, energy demand grew by 1,7%

USA: population grew by 1%, energy demand grew by 1% -- about the population increase.

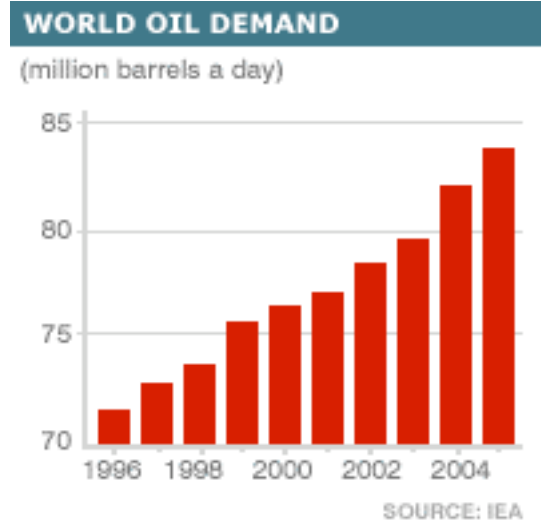
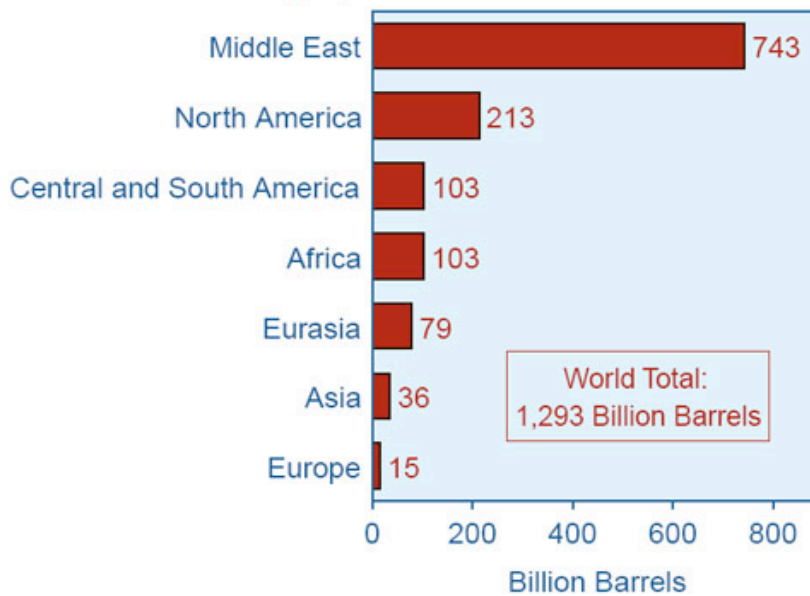
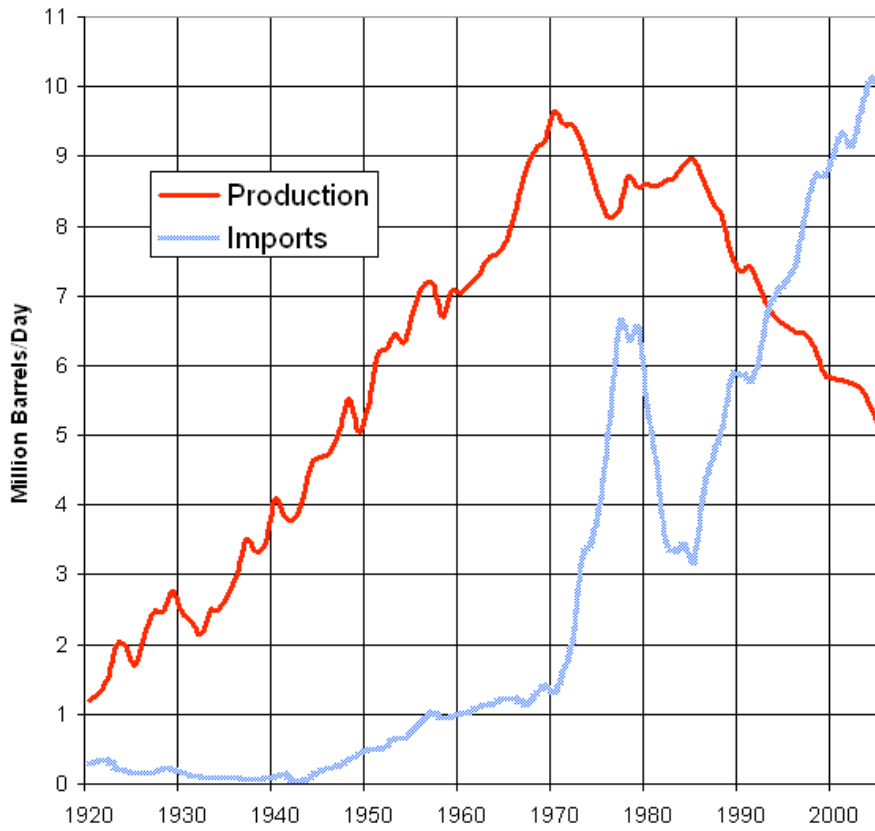


Figure 29. World Proved Oil Reserves by Geographic Region as of January 1, 2006

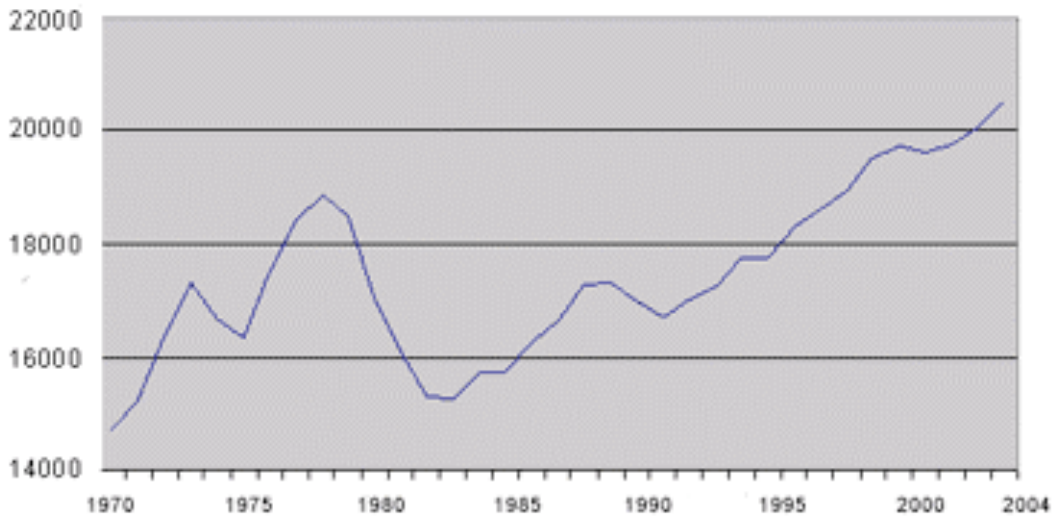


Source: "Worldwide Look at Reserves and Production," *Oil & Gas Journal*, Vol. 103, No. 47 (December 19, 2005), pp. 24-25.

US Oil Production and Imports



U.S. oil demand 1970-2004 (thousands of barrels per day)



Oil demand by country (in millions of barrels/day)					
Country	2000	2001	2002	2003	2004
USA	19.70	19.65	19.76	20.03	20.52
China	4.80	4.92	5.16	5.55	6.63
Japan	5.61	5.53	5.46	5.58	5.44
Former Soviet Union	3.90	4.30	4.11	4.18	4.16
Germany	2.77	2.81	2.72	2.68	2.67
India	2.05	2.10	2.10	2.20	2.30
Canada	2.03	2.04	2.08	2.19	2.29
France	2.00	2.05	1.98	2.06	2.04
UK	1.76	1.72	1.77	1.72	1.86
Total World	76.95	78.10	78.44	79.89	82.63

The average price of a barrel of oil 1970 - 2004

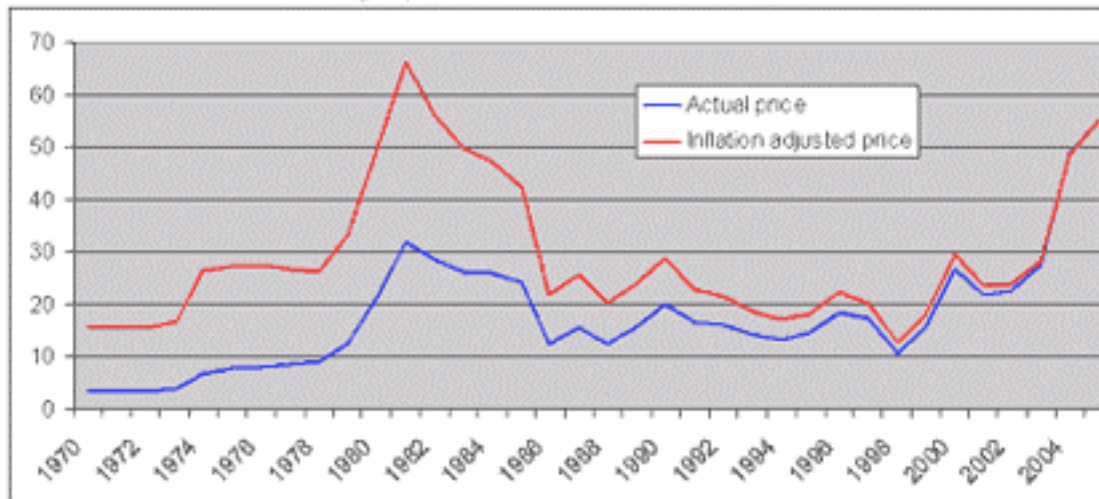
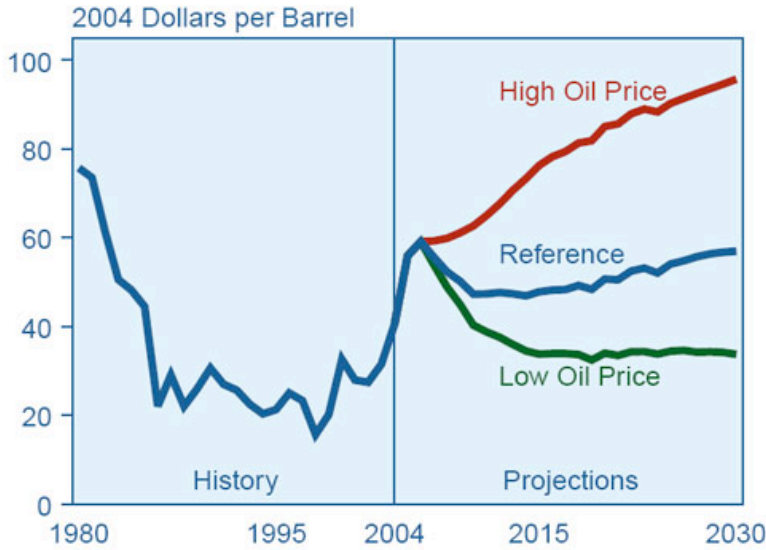
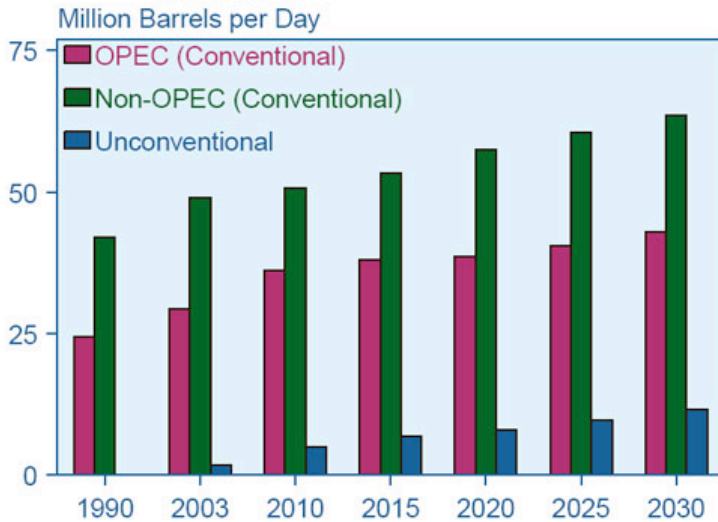


Figure 32. World Oil Prices in Three Cases, 1980-2030

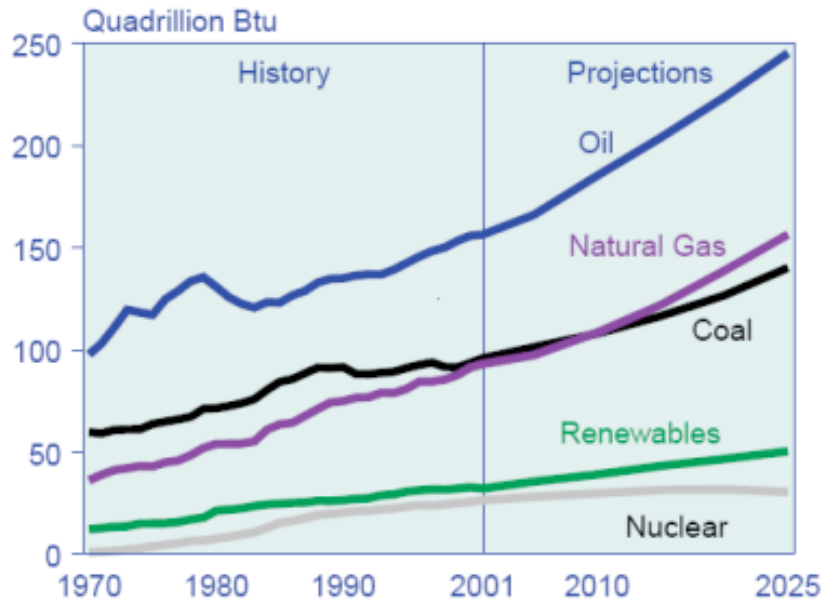


Sources: **History:** Energy Information Administration (EIA), *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, DC, August 2005), web site www.eia.doe.gov/emeu/aer/. **Projections:** EIA, *Annual Energy Outlook 2006*, DOE/EIA-0383(2006) (Washington, DC, February 2006).

Figure 31. OPEC, Non-OPEC, and Unconventional Oil Production, 1990, 2003, and 2010-2030

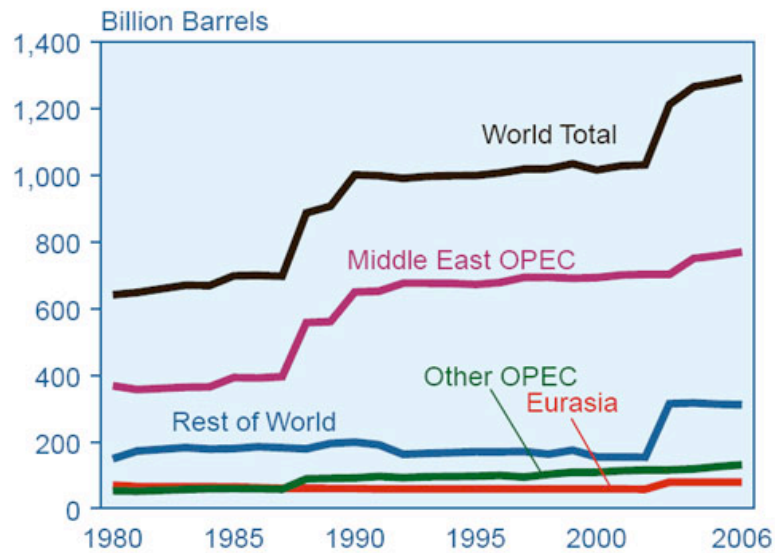


Sources: **1990 and 2003:** Energy Information Administration (EIA), Energy Markets and Contingency Information Division. **2010-2030:** EIA, *System for the Analysis of Global Energy Markets* (2006).



Energy demand through history and projections

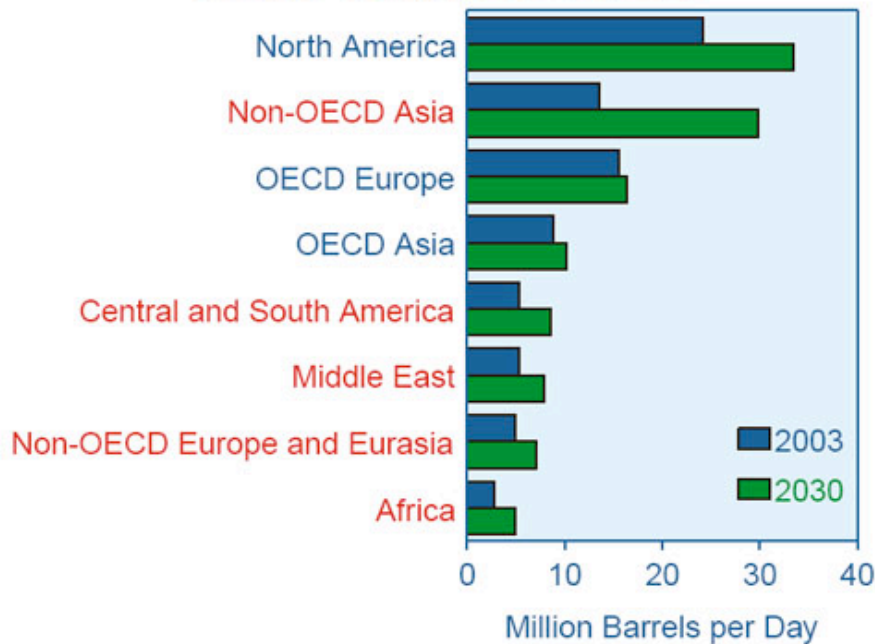
Figure 28. World Crude Oil Reserves, 1980-2006



Note: Reserves include crude oil (including lease condensates) and natural gas plant liquids.

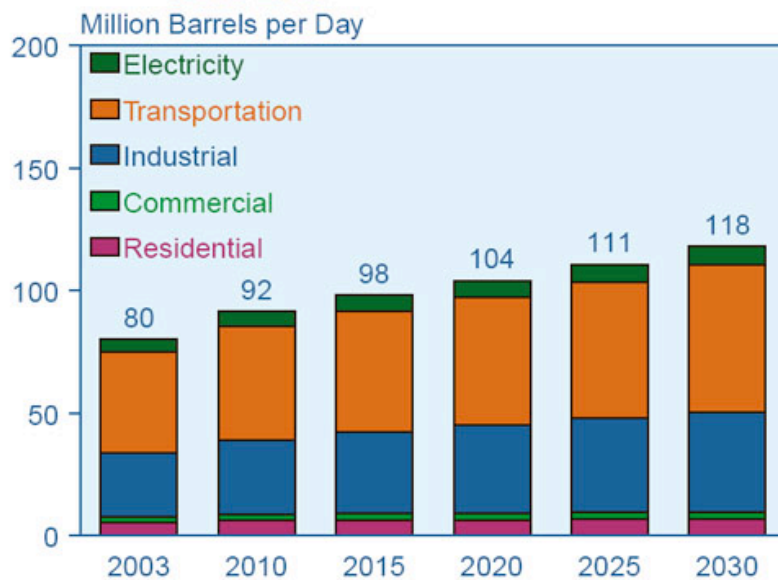
Sources: **1980-1993:** "Worldwide Oil and Gas at a Glance," *International Petroleum Encyclopedia* (Tulsa, OK: PennWell Publishing, various issues). **1994-2006:** *Oil & Gas Journal* (various issues).

Figure 27. World Oil Consumption by Region and Country Group, 2003 and 2030

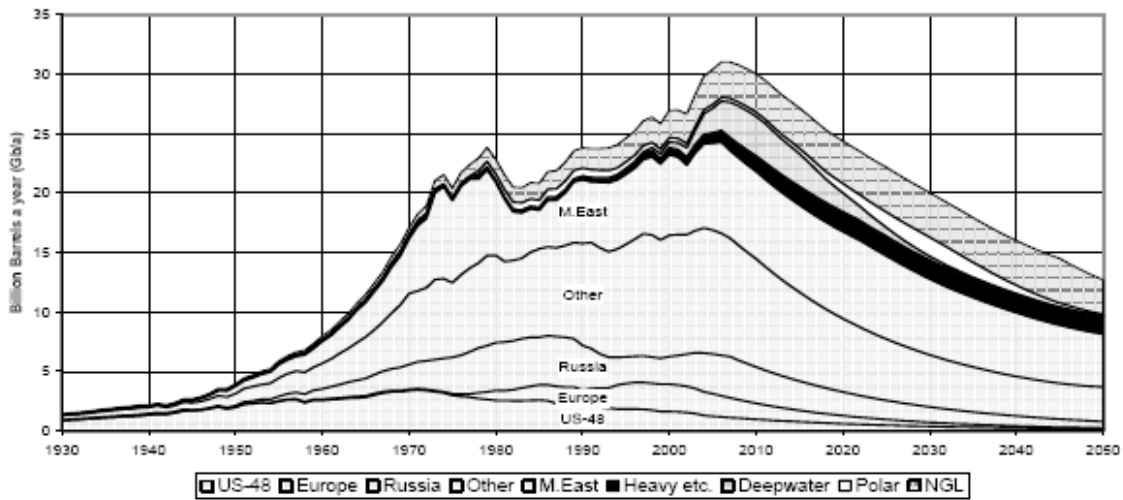


Sources: **2003:** Energy Information Administration (EIA), *International Energy Annual 2003* (May-July 2005), web site www.eia.doe.gov/iea/. **2030:** EIA, *System for the Analysis of Global Energy Markets* (2006).

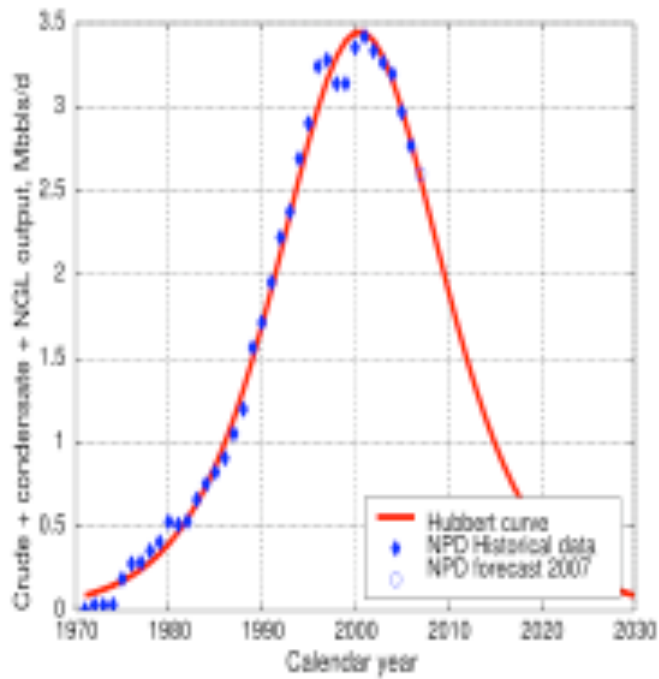
Figure 26. World Oil Consumption by Sector, 2003-2030



Sources: **2003:** Derived from Energy Information Administration (EIA), *International Energy Annual 2003* (May-July 2005), web site www.eia.doe.gov/iea/. **Projections:** EIA, *System for the Analysis of Global Energy Markets* (2006).



Peaking of oil production in various regions. True peak is now or next few years?



Production statistics with “Hubbert curve for Norway. Peaked in the early 2000s.