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Taking on the world's toughest energy challenges.™

The Outlook for Energy: A View to 2030

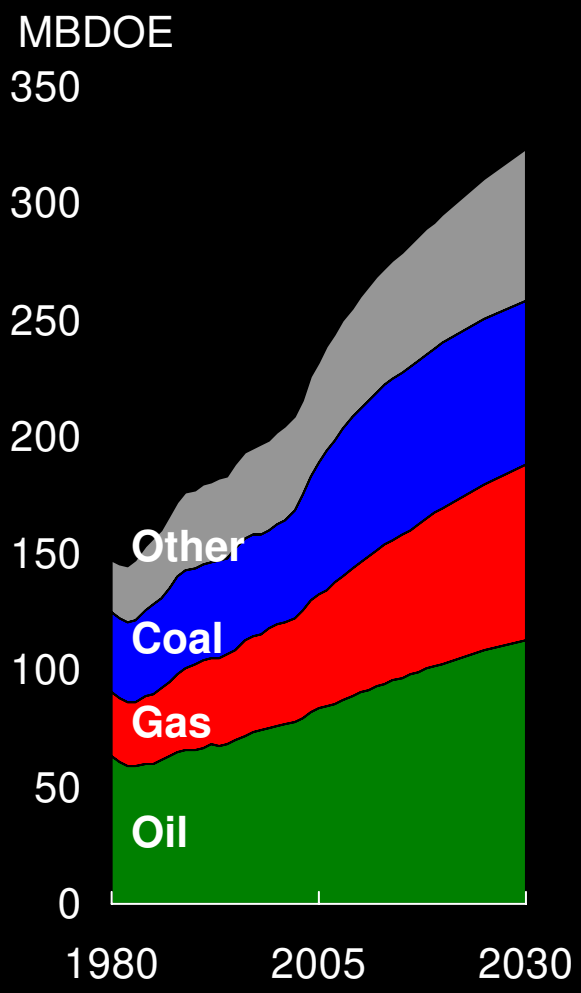
Todd W. Onderdonk
Corporate Planning

STI/SPFA Spring Pressure Vessel Conference

May 15, 2008

2007 Energy Outlook Basis

Energy Supply/Demand



- ***Energy Demand Outlook***
  - Detailed buildup by country and end-use sector
  - Links energy use to economic drivers
  - Incorporates efficiency improvements
  - Considers trends, economics, and supply by fuel type
  - Reflects assessment of potential policy initiatives
- ***Oil & Gas Supply Outlook***
  - Incorporates ultimate recoverable resource estimates
  - Models production profiles for all countries or regions
  - Considers economics and ongoing advances in technology

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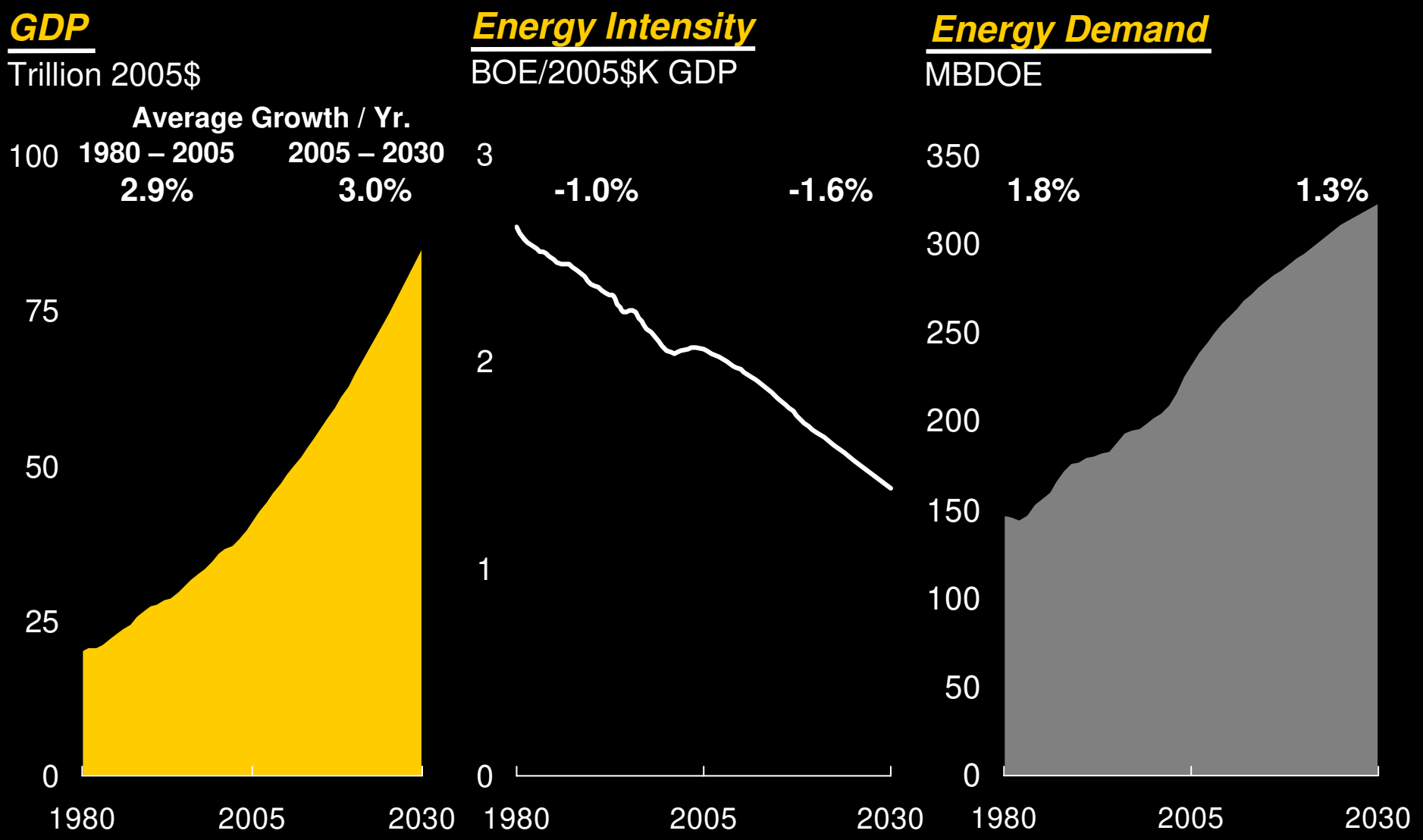
Global Economics and Energy



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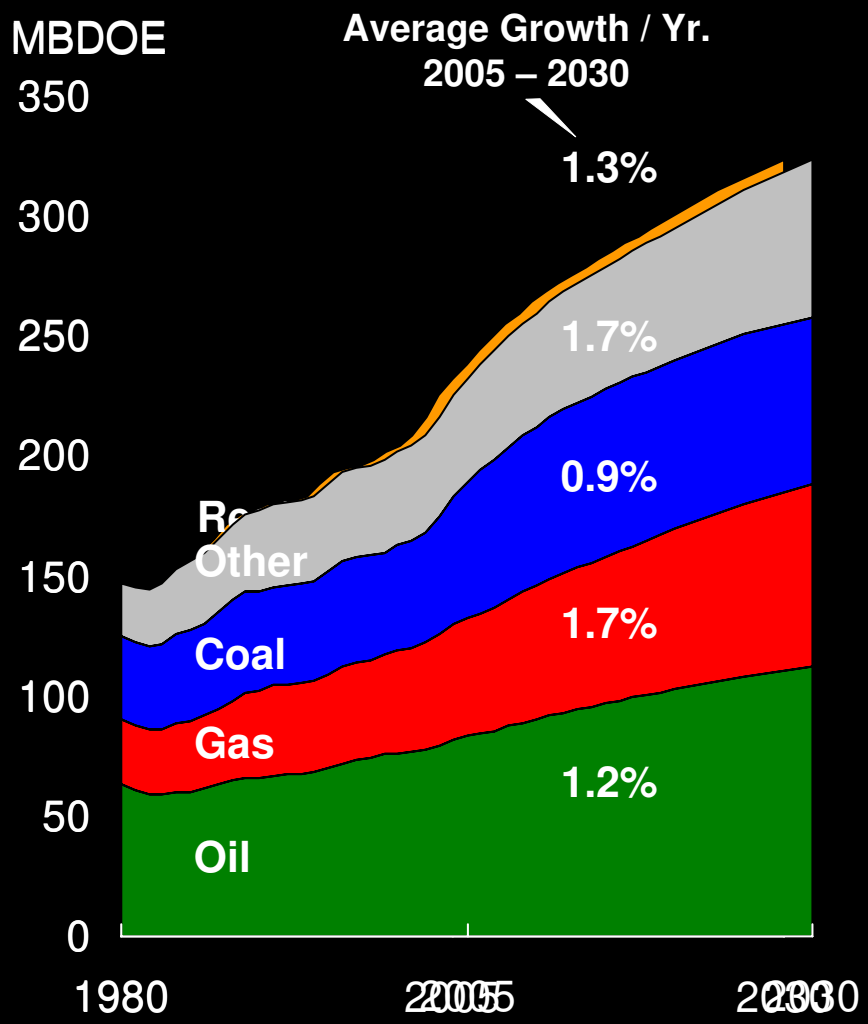
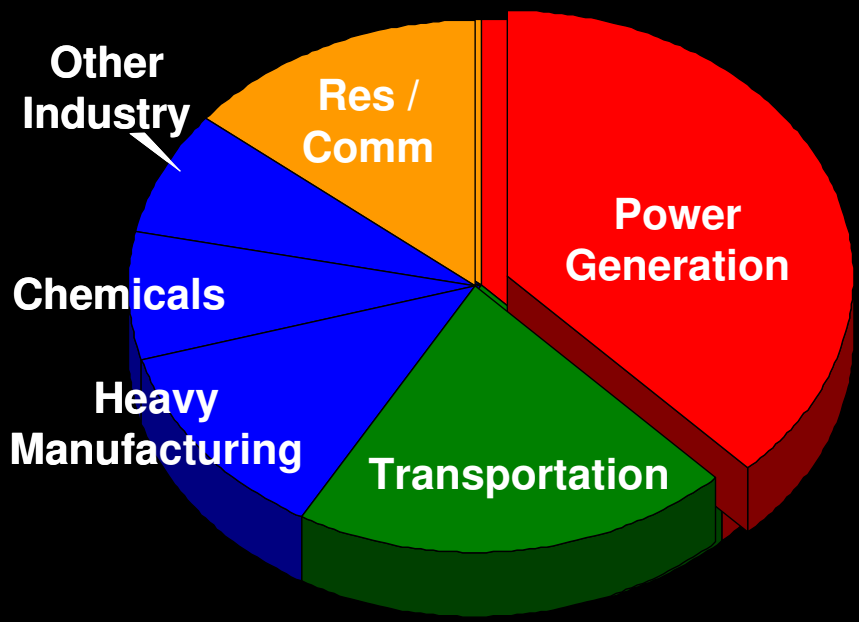
World Energy Demand

By Sector



By Sector - 2030



~ 324 MBDOE

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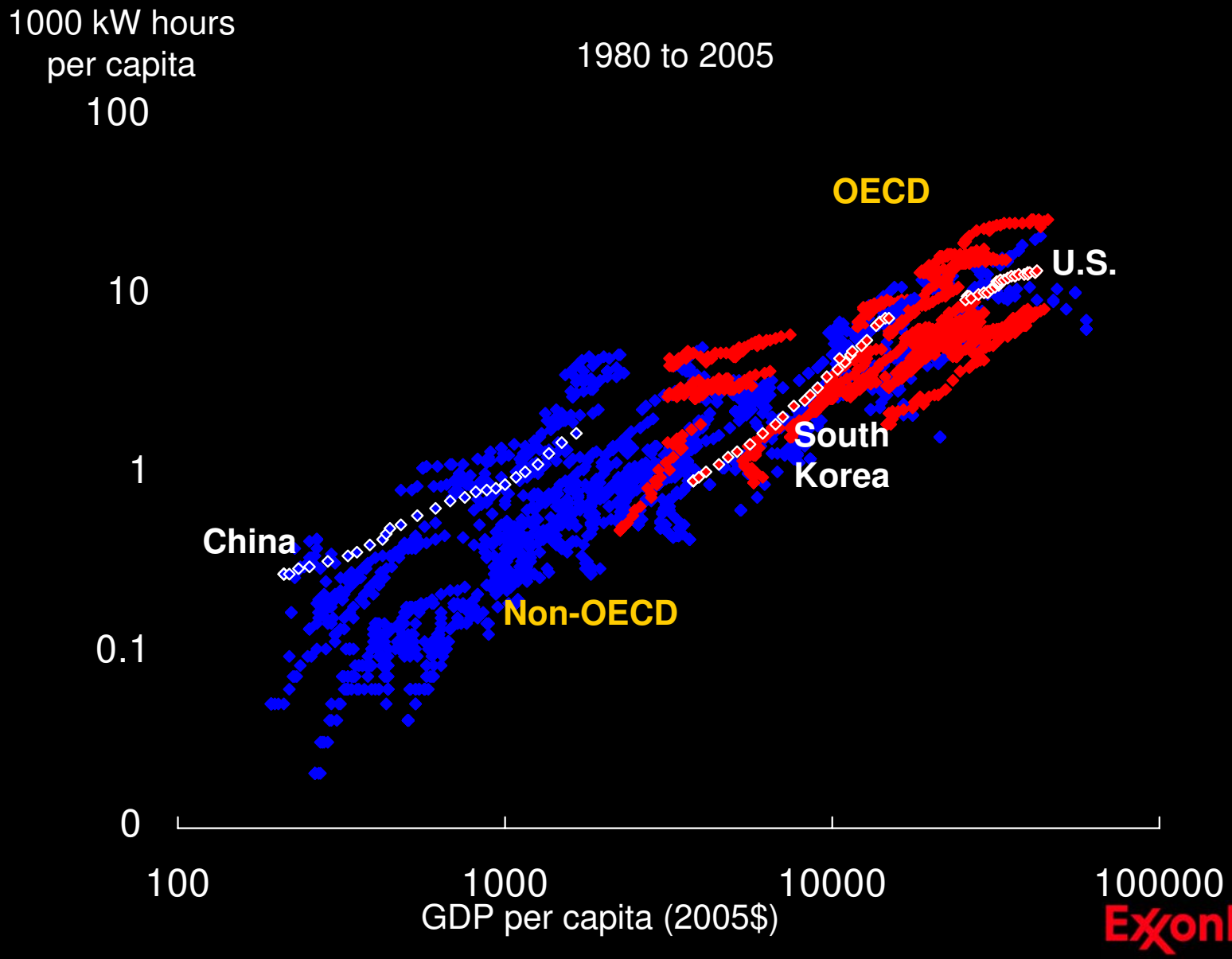
Electricity Demand Linked to GDP



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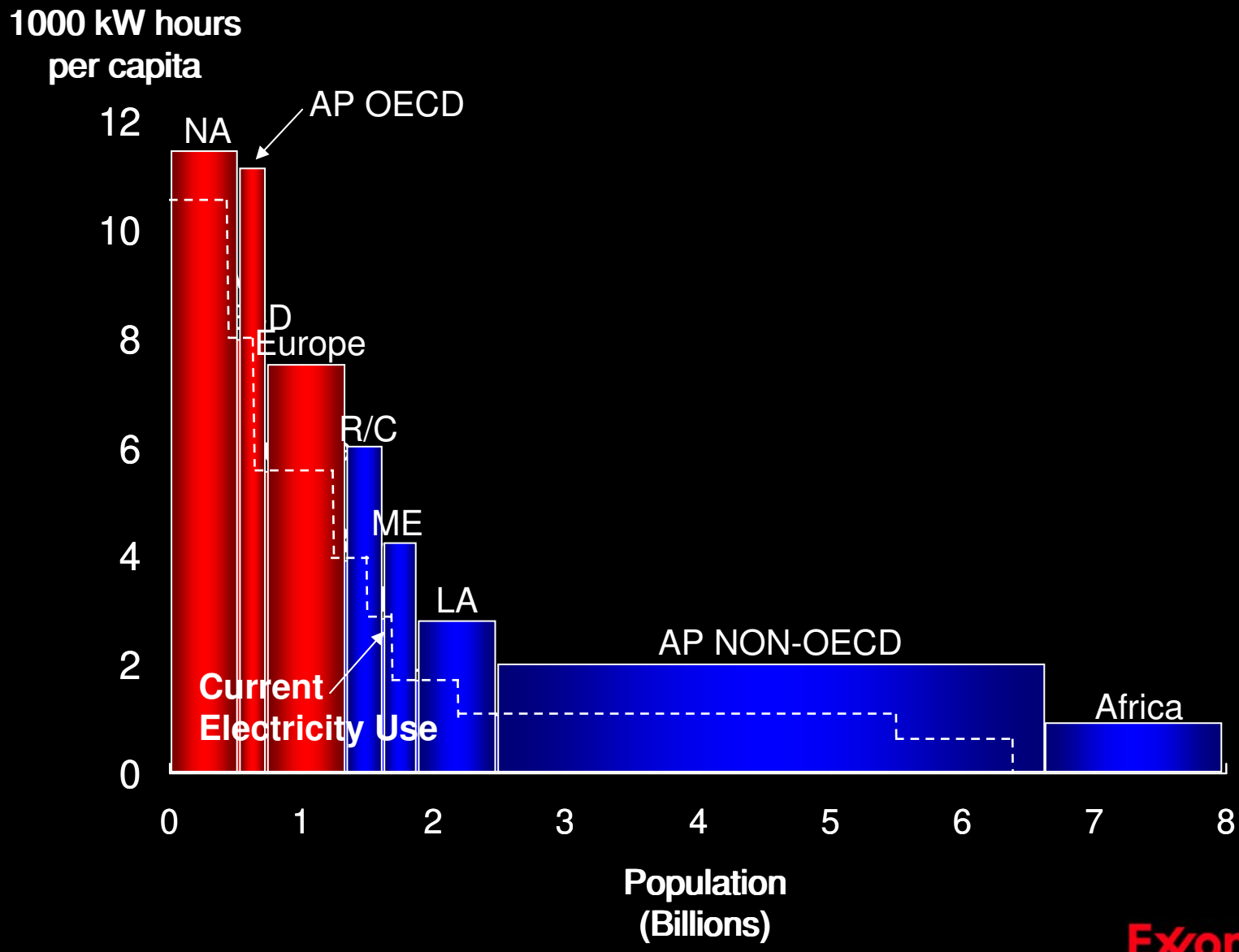
2030 Electricity Use by Region



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Power Generation

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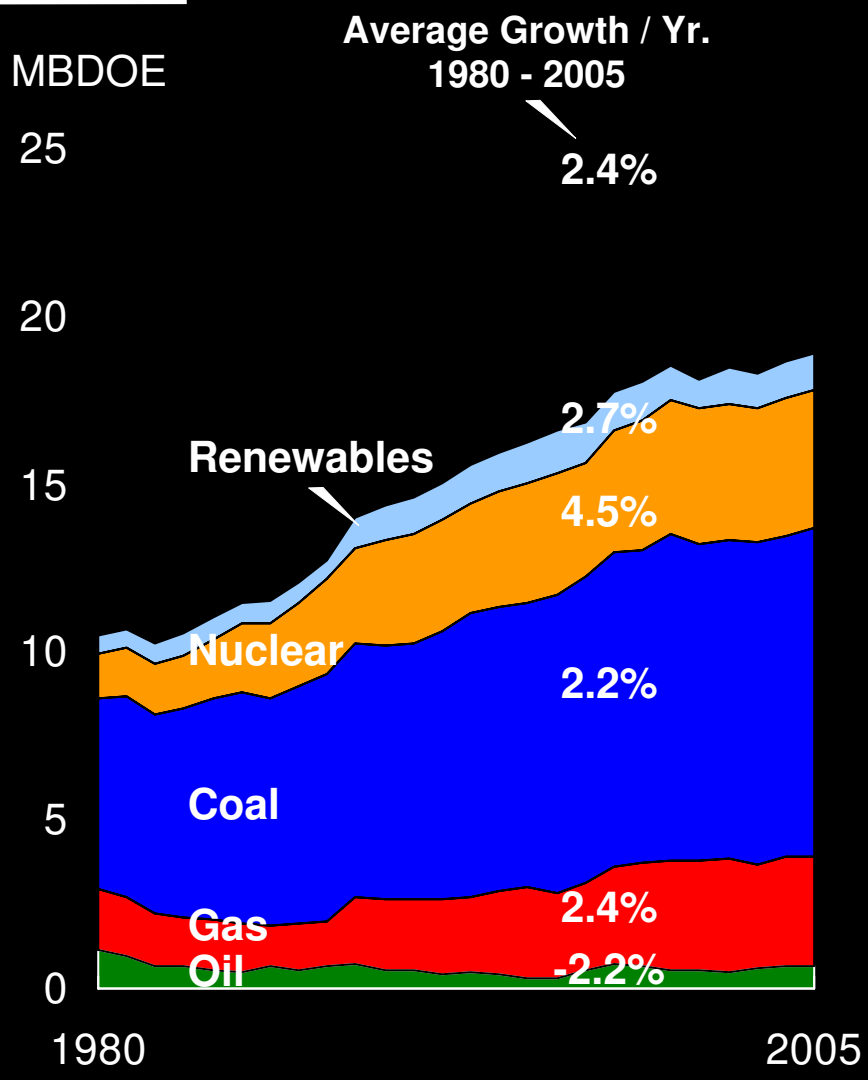
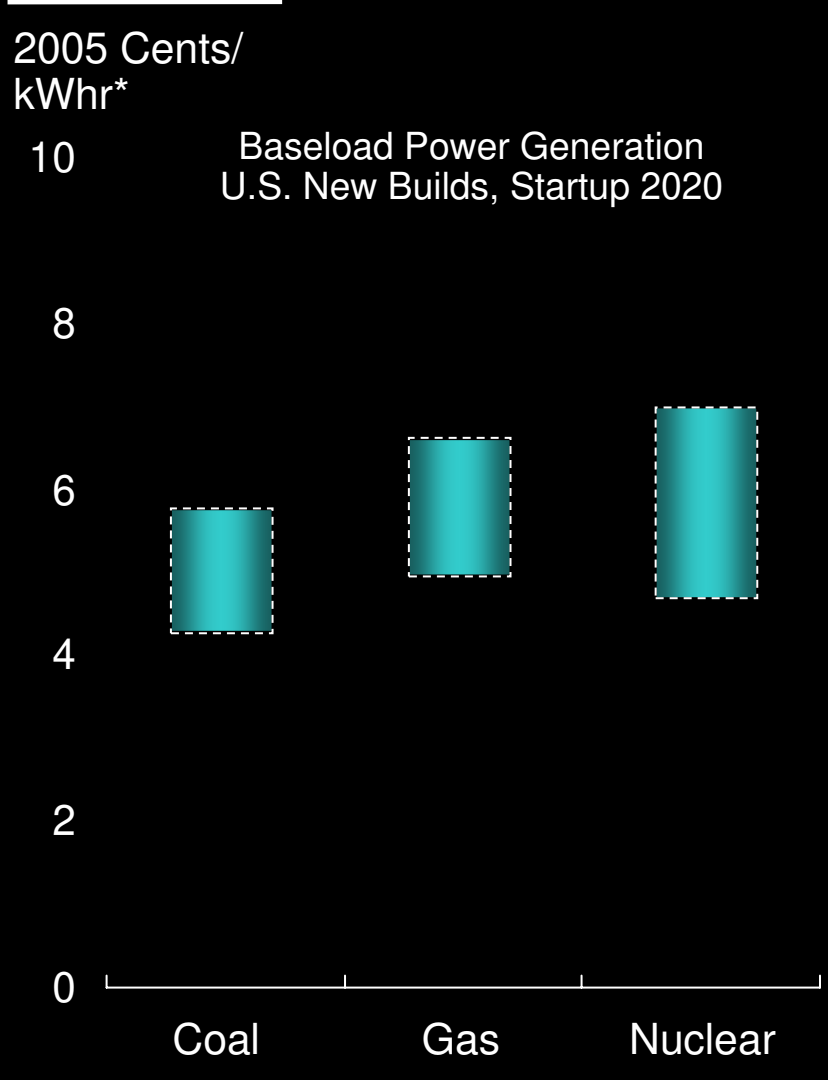
U.S. Power Generation

By Fuel



Economics



* Reflective of recent fuel prices

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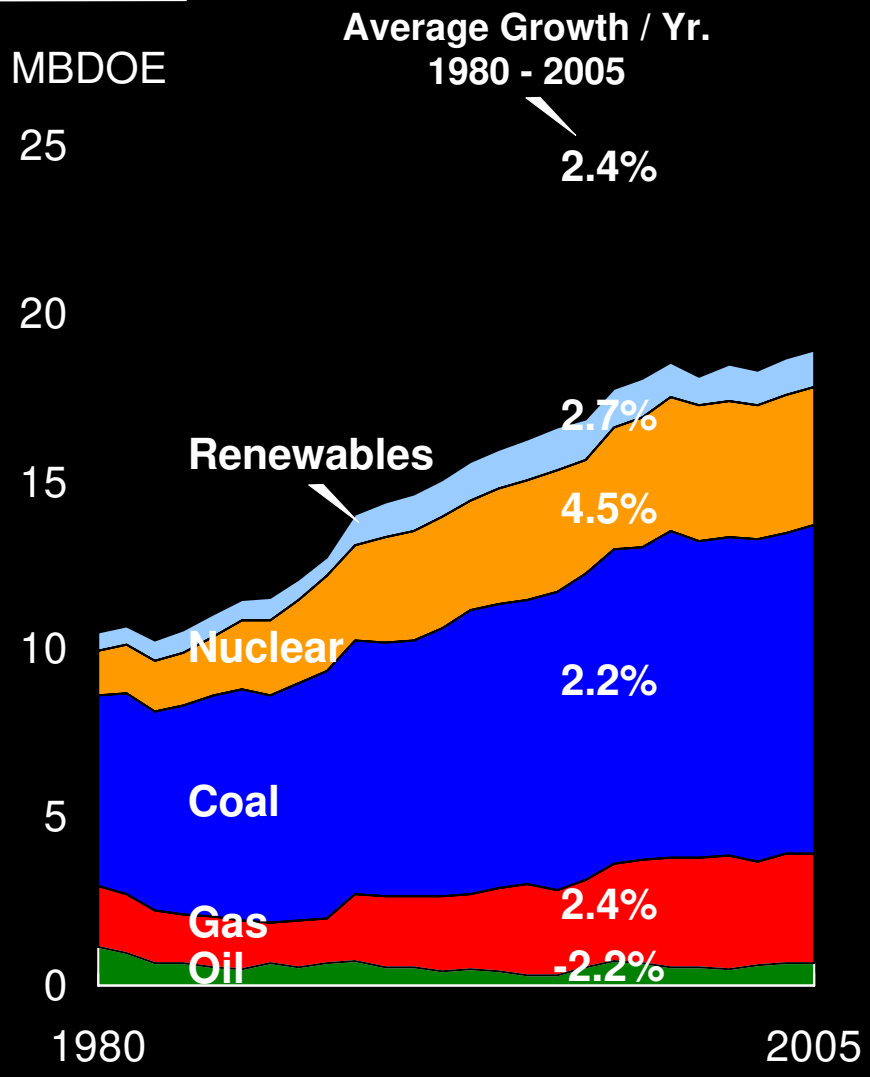
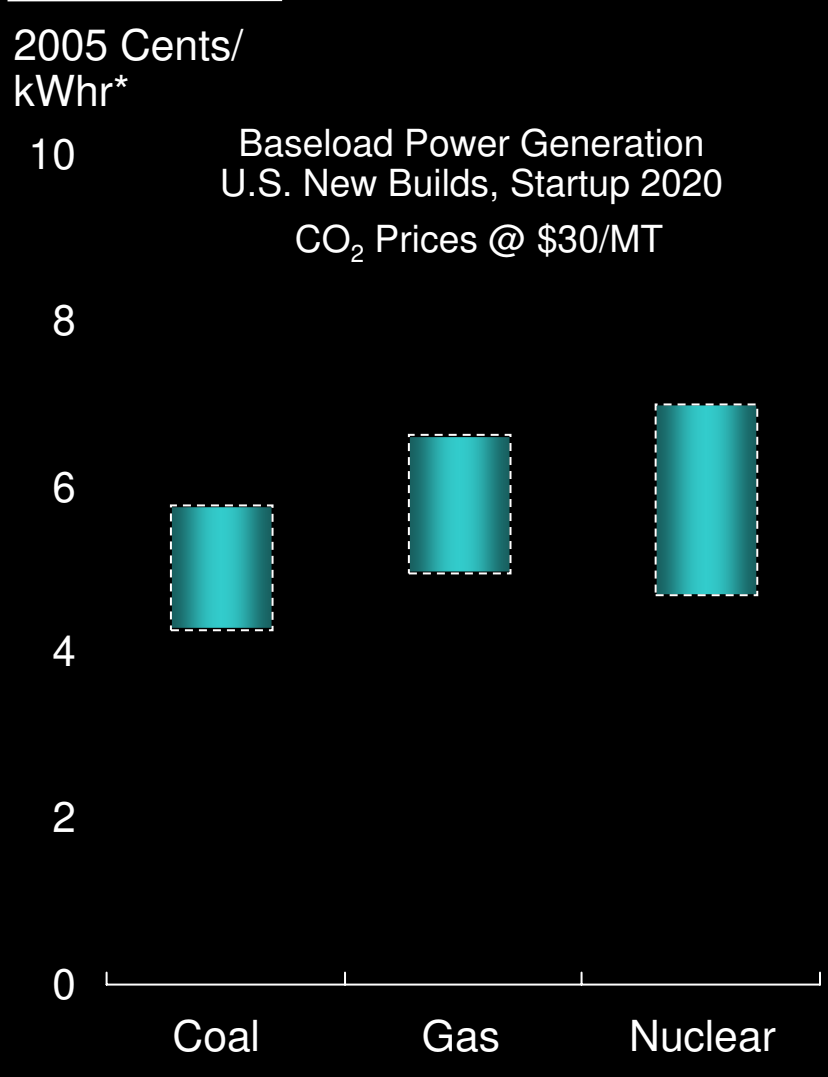
U.S. Power Generation

By Fuel



Economics



* Reflective of recent fuel prices

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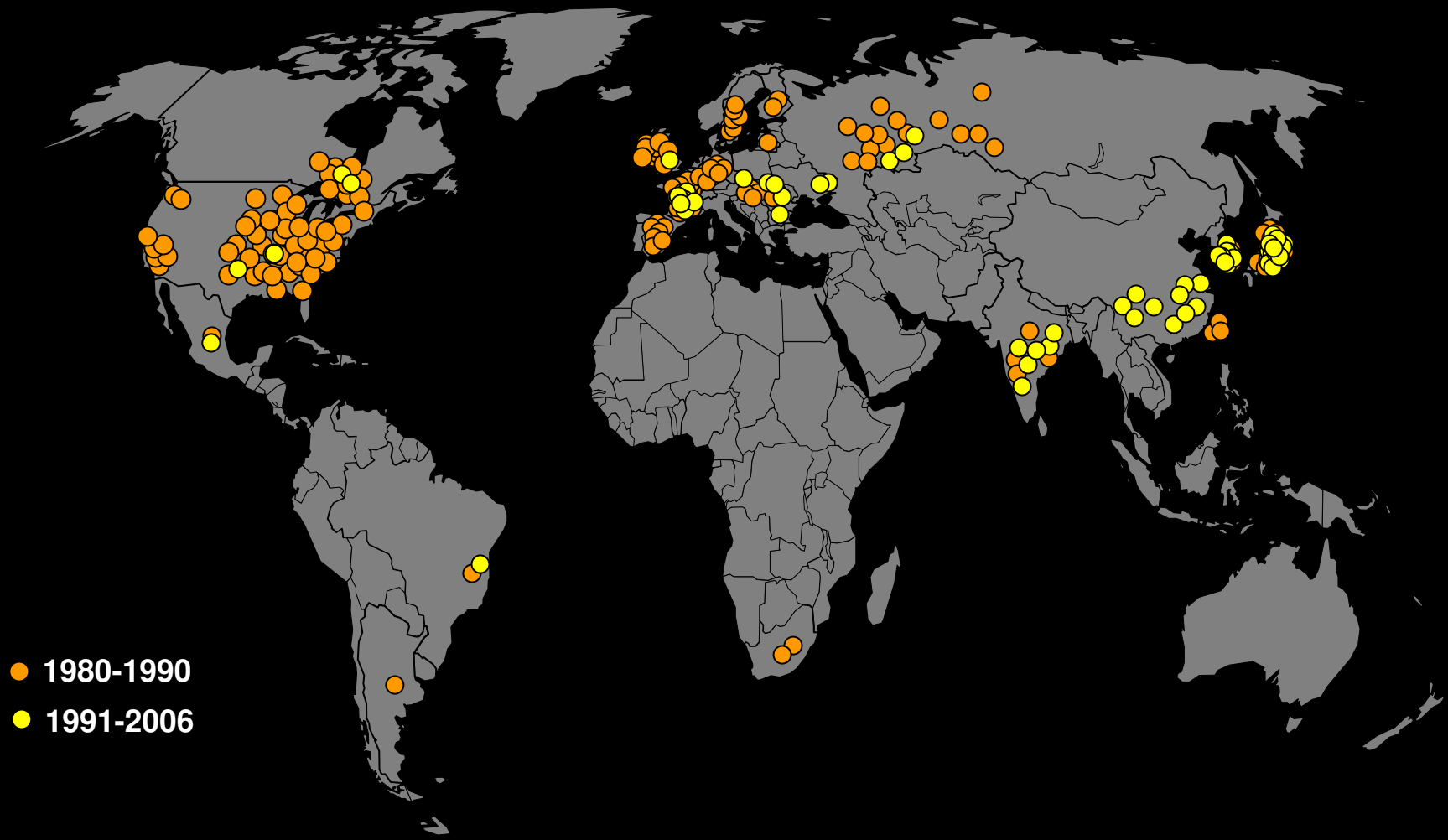
Nuclear Capacity Additions



Source: World Nuclear Association

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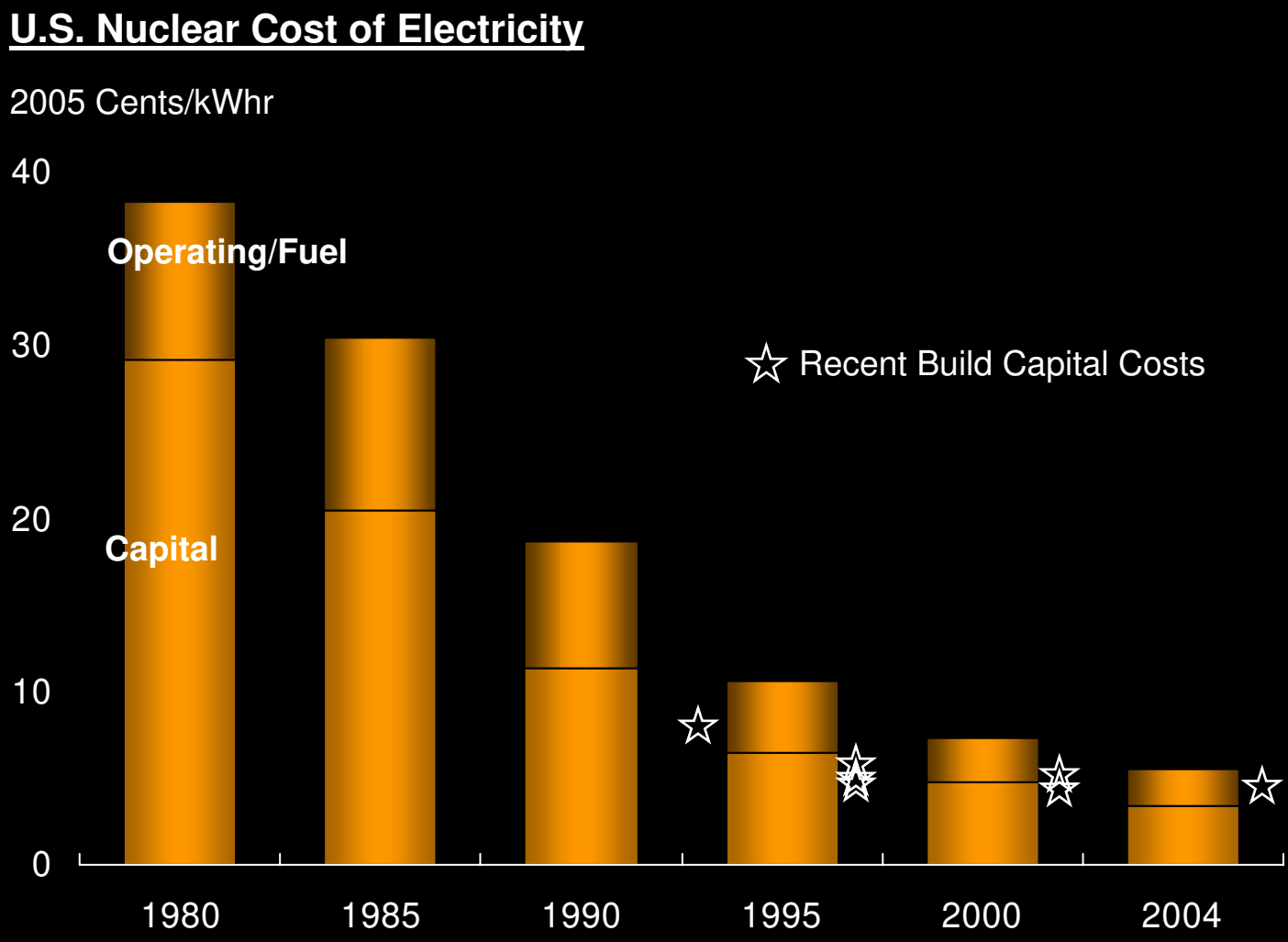
Improving Economics



Source: CERA

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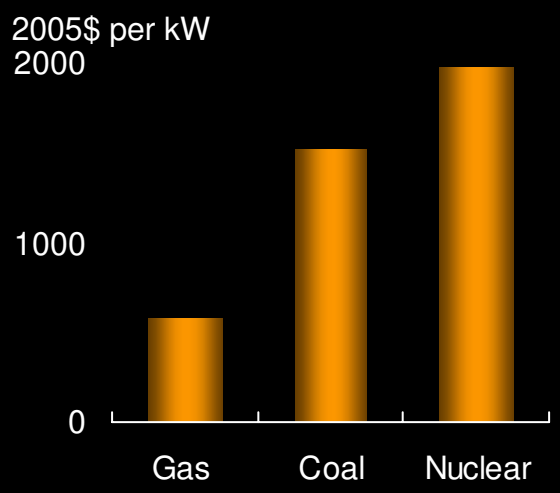
Nuclear Challenges

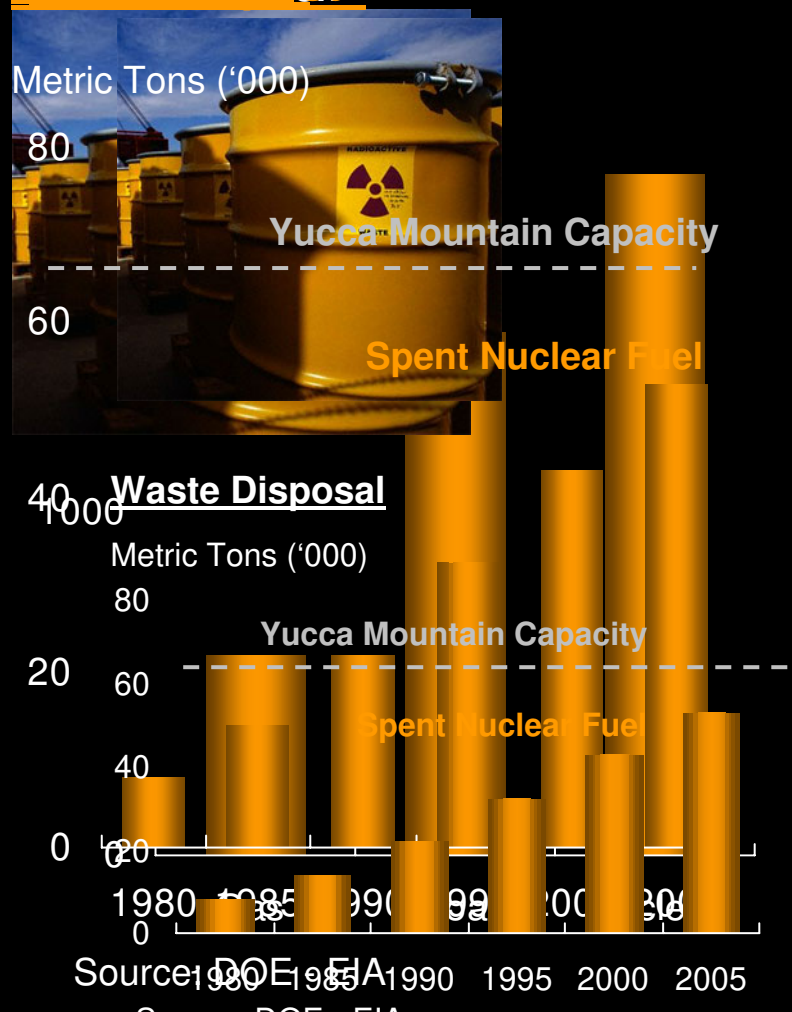
Challenges

- Capital Costs
- Waste Disposal
- Proliferation Concerns
- Siting Issues

Capital Cost



Waste Disposal



Source: DOE - EIA

Source: DOE - EIA

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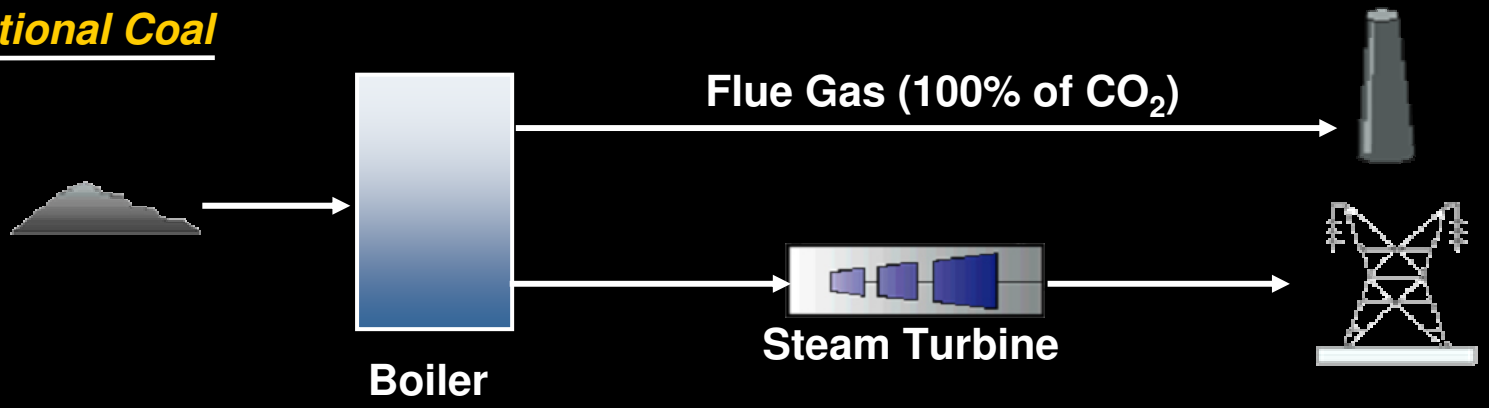
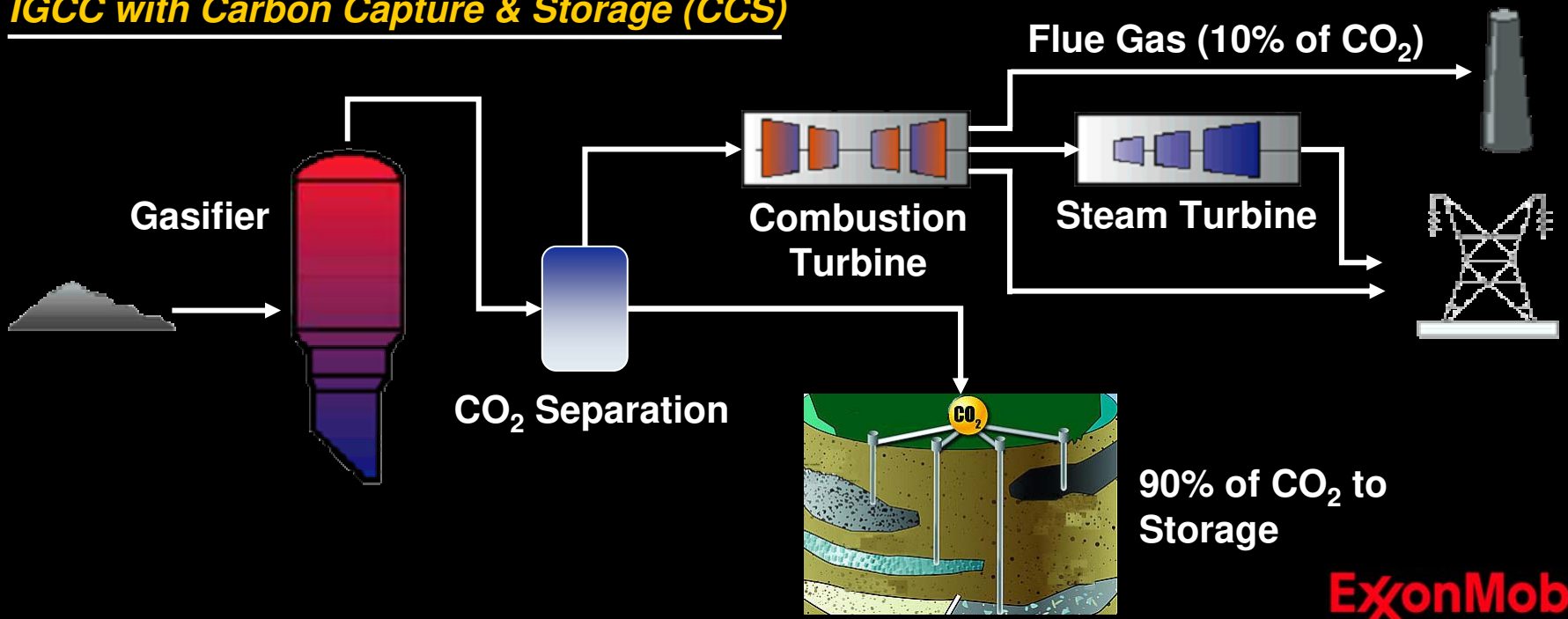
Coal Power Generation Options

Conventional Coal



IGCC with Carbon Capture & Storage (CCS)



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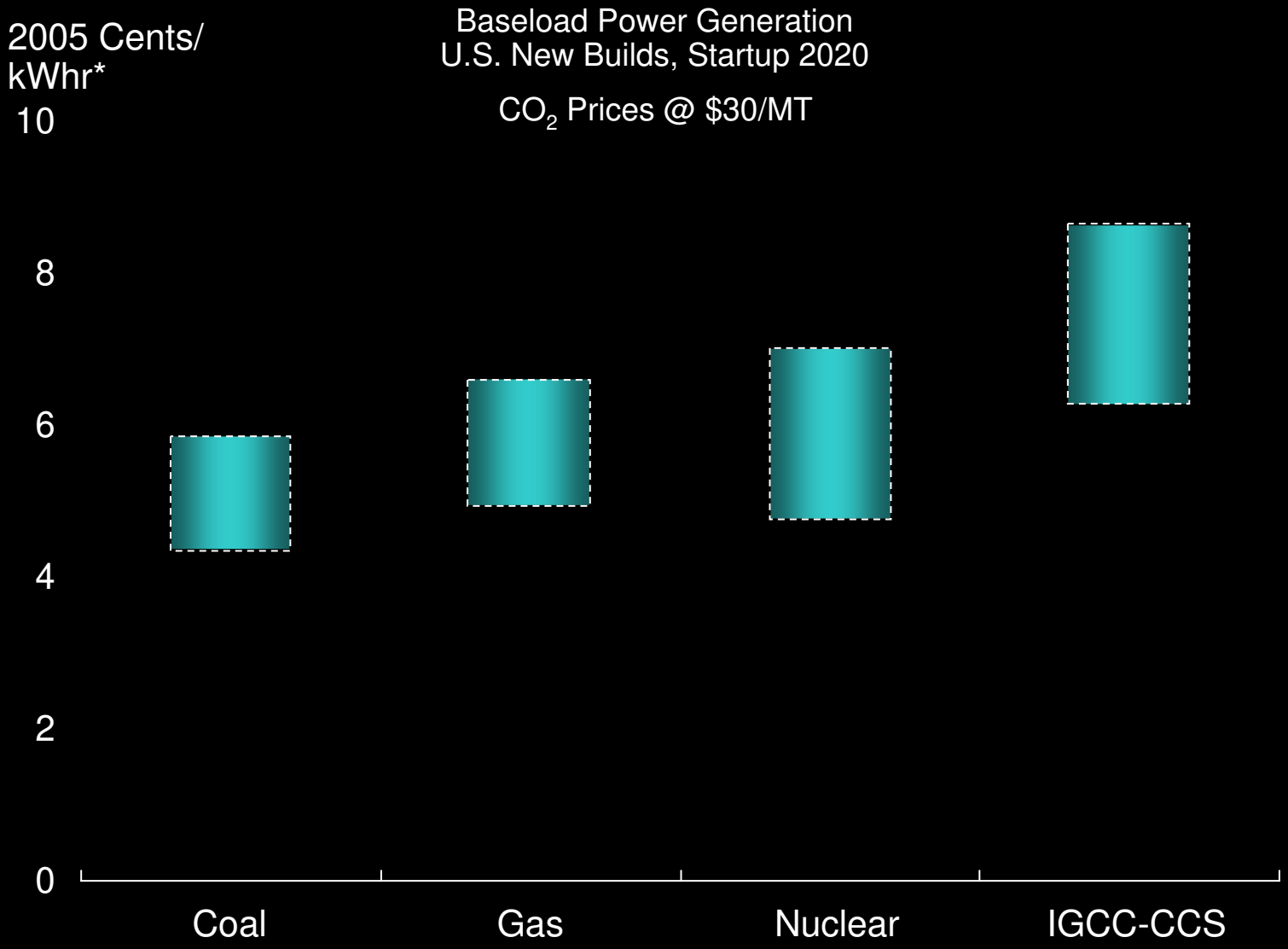
Comparative Costs incl. CCS



*** Reflective of recent fuel prices**

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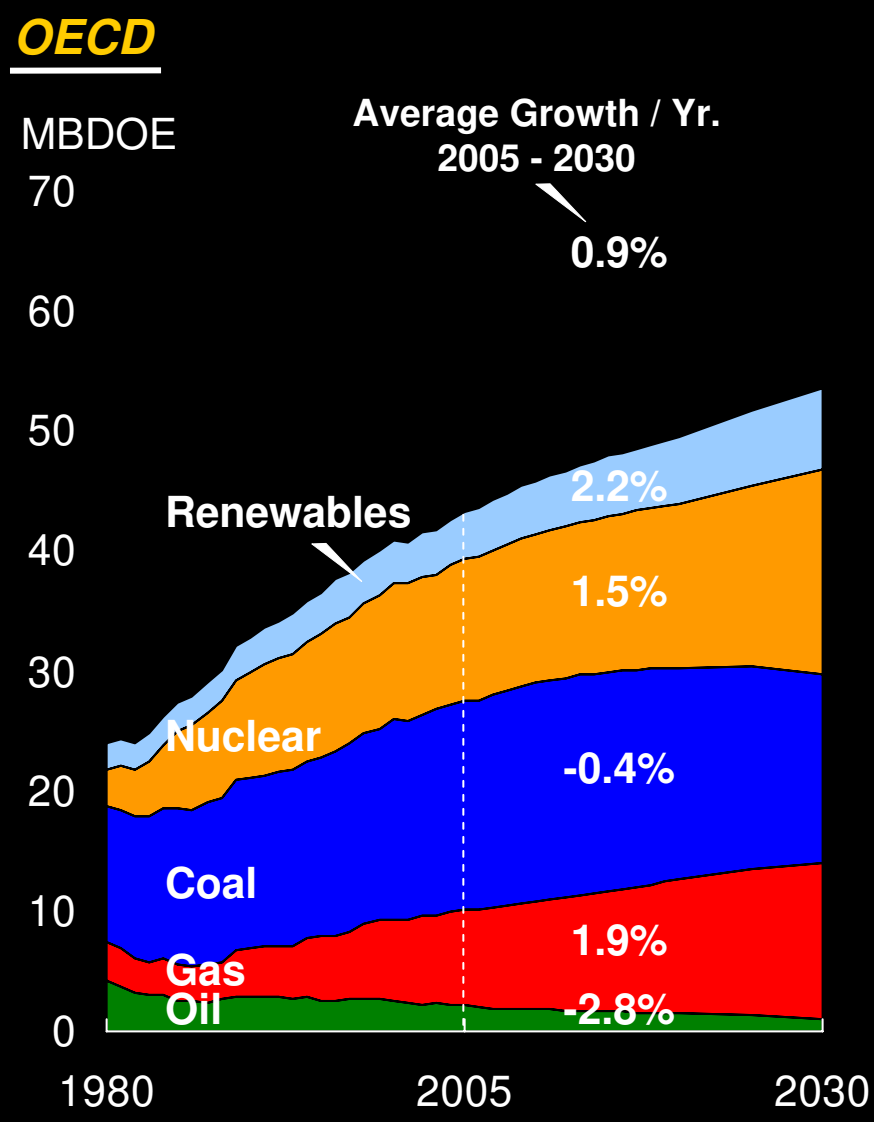
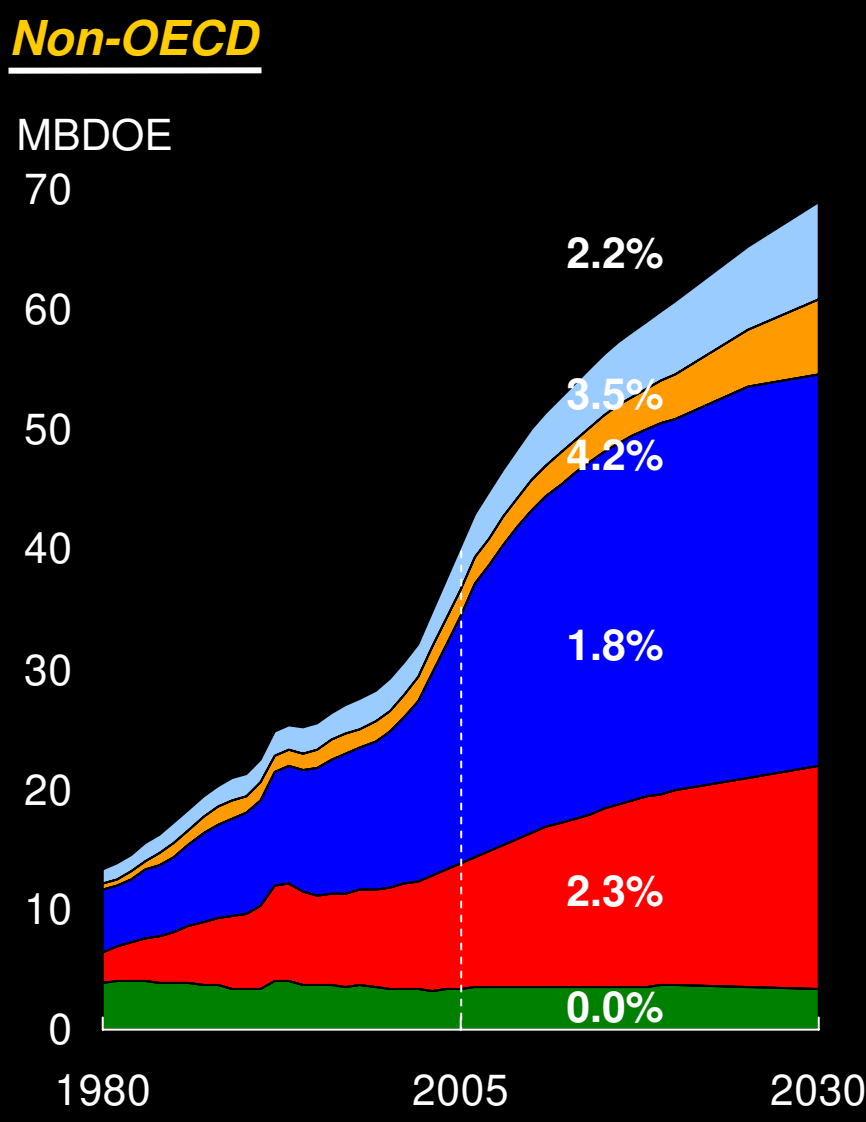
Power Generation Demand





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Transportation

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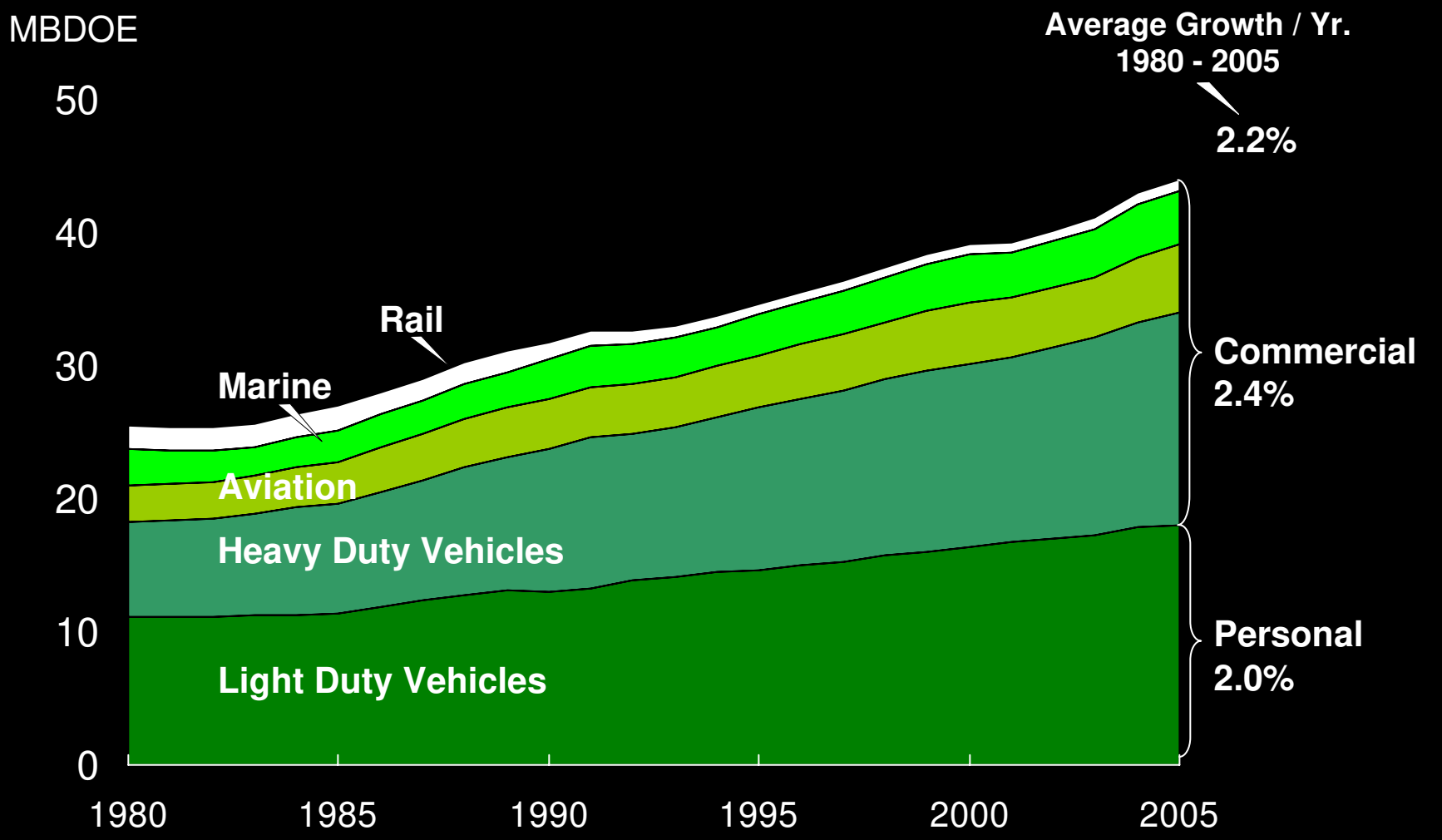
Global Transportation Demand



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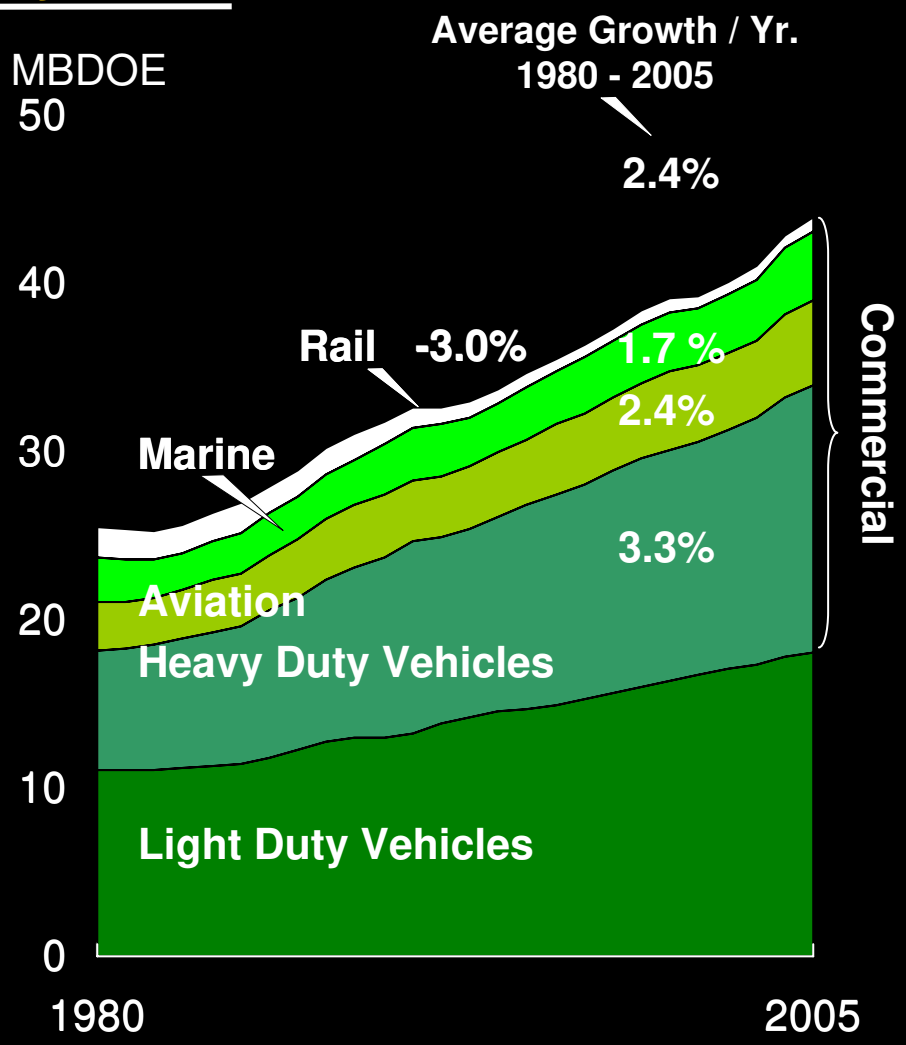
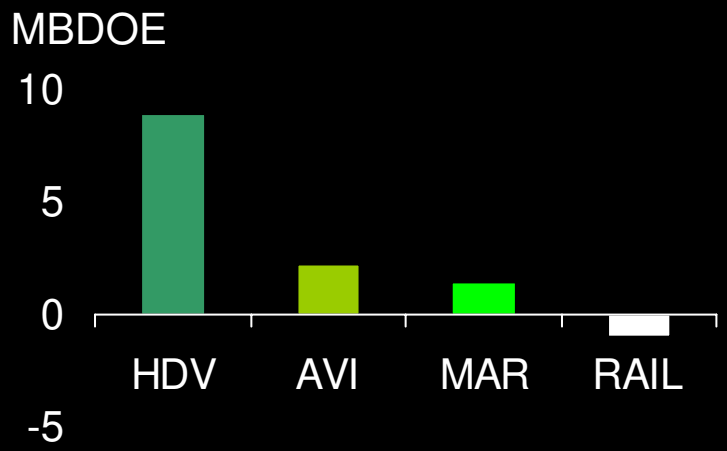
Global Commercial Transportation

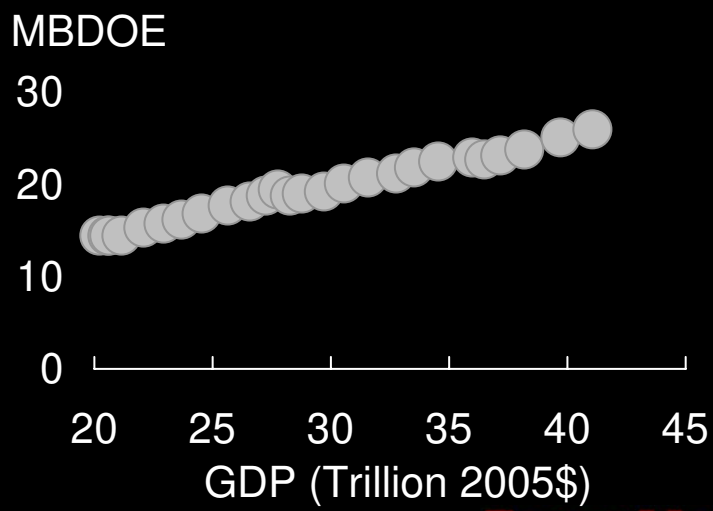
By Sector



Growth 1980 - 2005



Demand versus GDP



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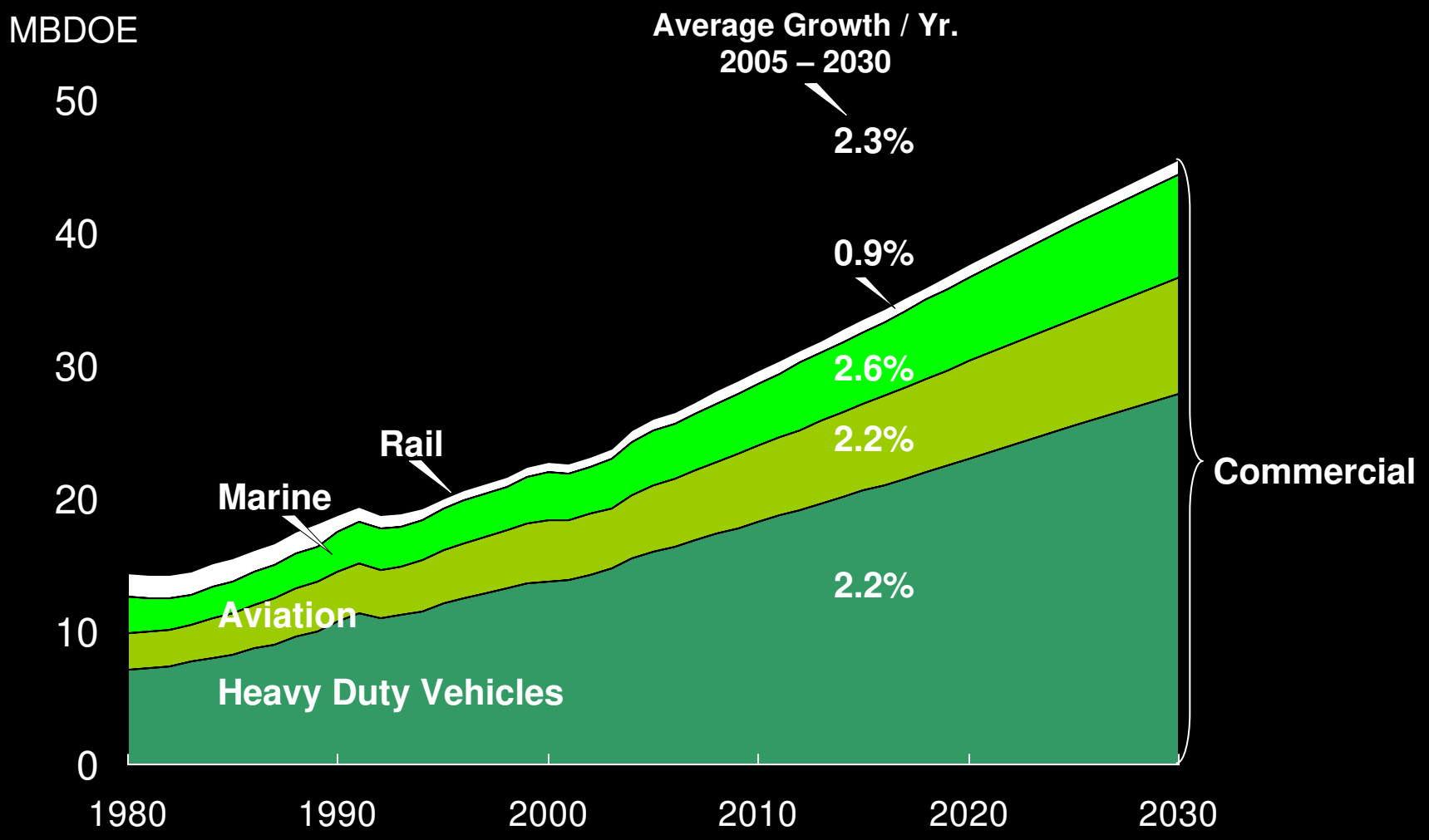
Global Commercial Transportation



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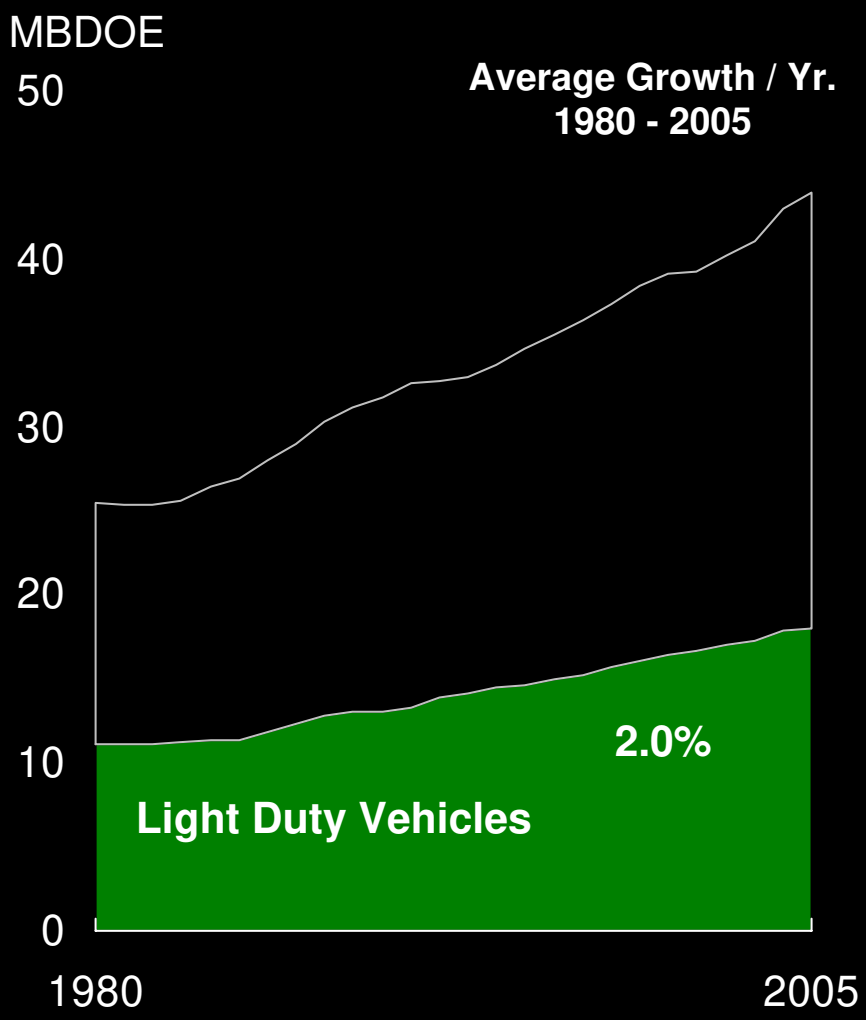
Global Personal Transportation

By Sector



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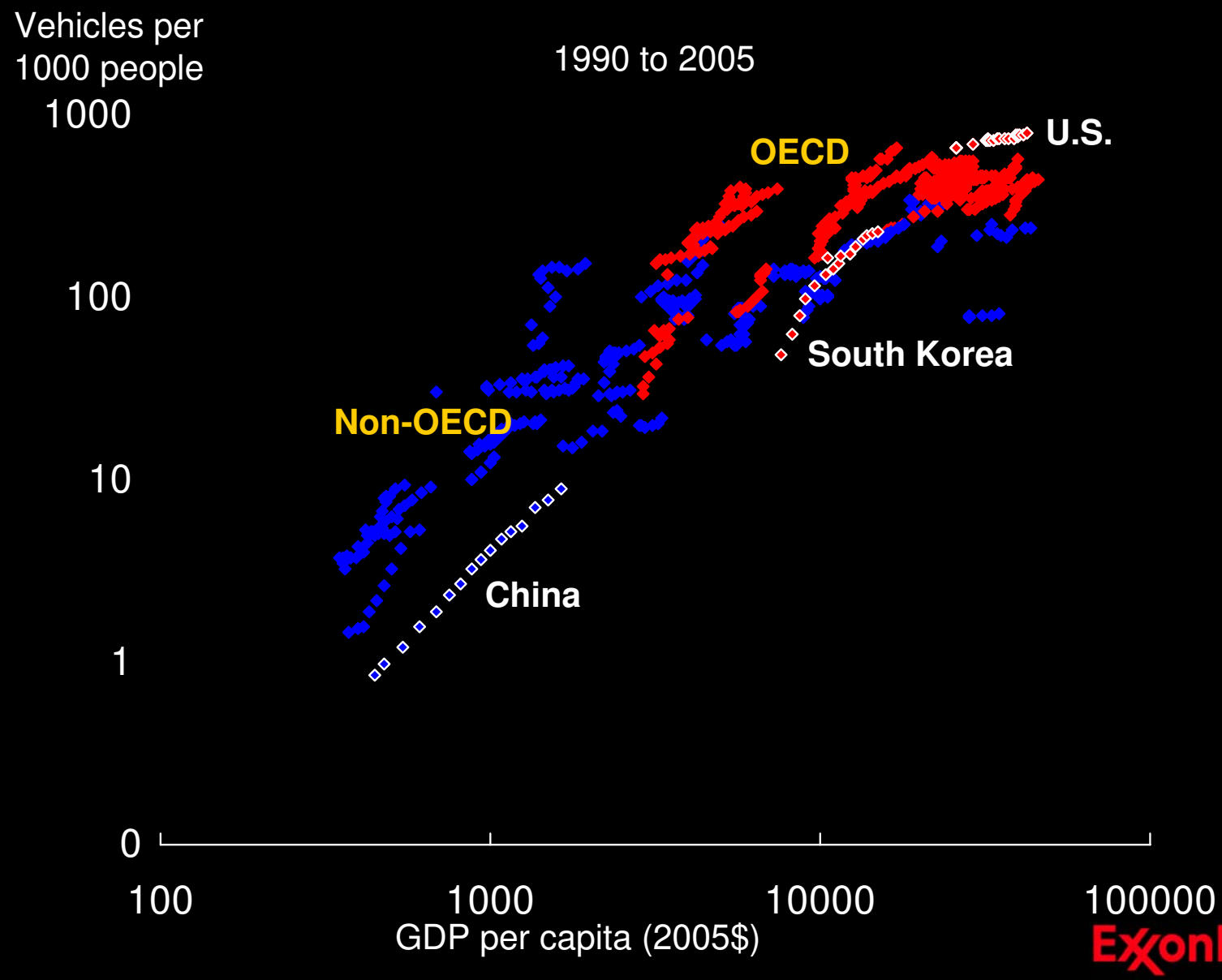
Light Duty Vehicle Penetration Linked to GDP



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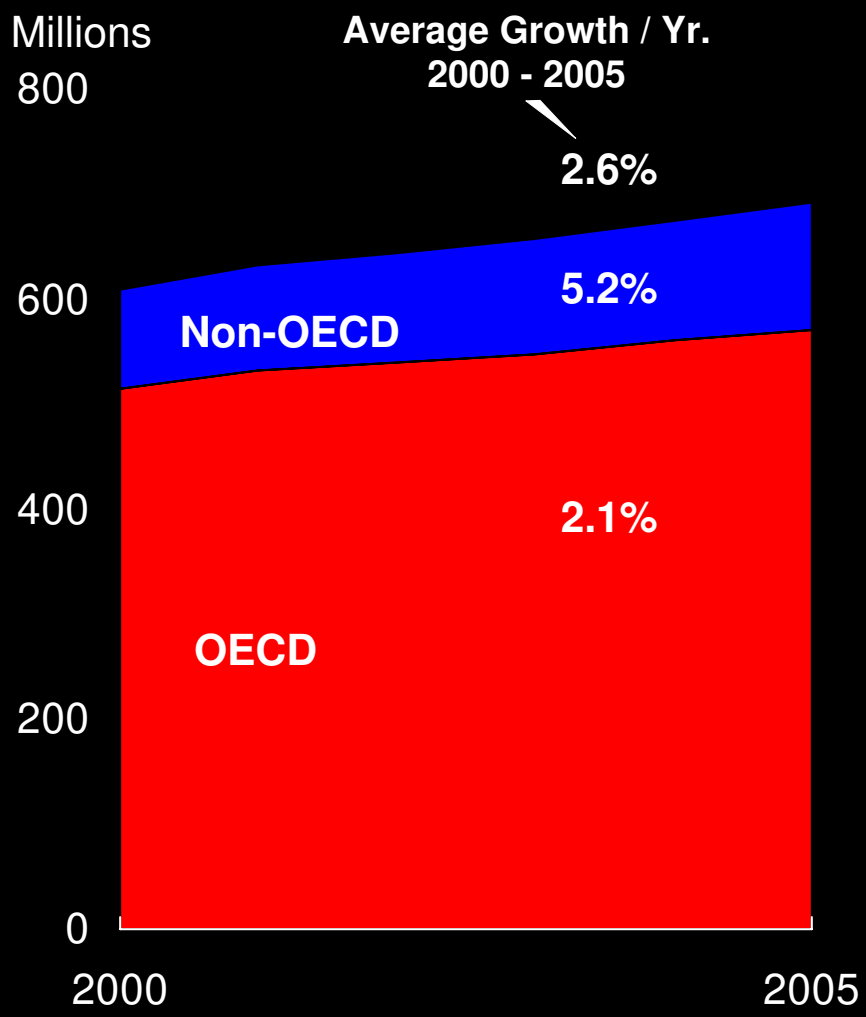
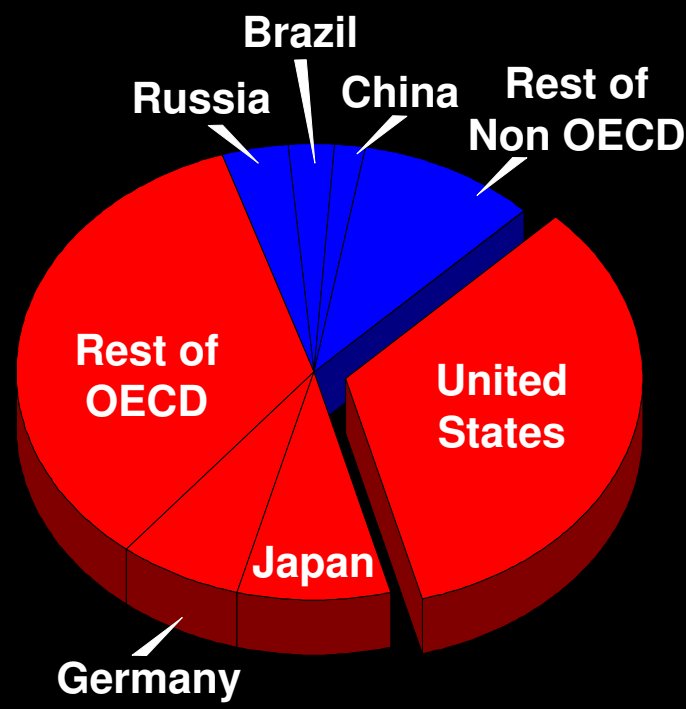
Global Light Duty Vehicle Fleet

By Region



2005



~ 700 Million Vehicles

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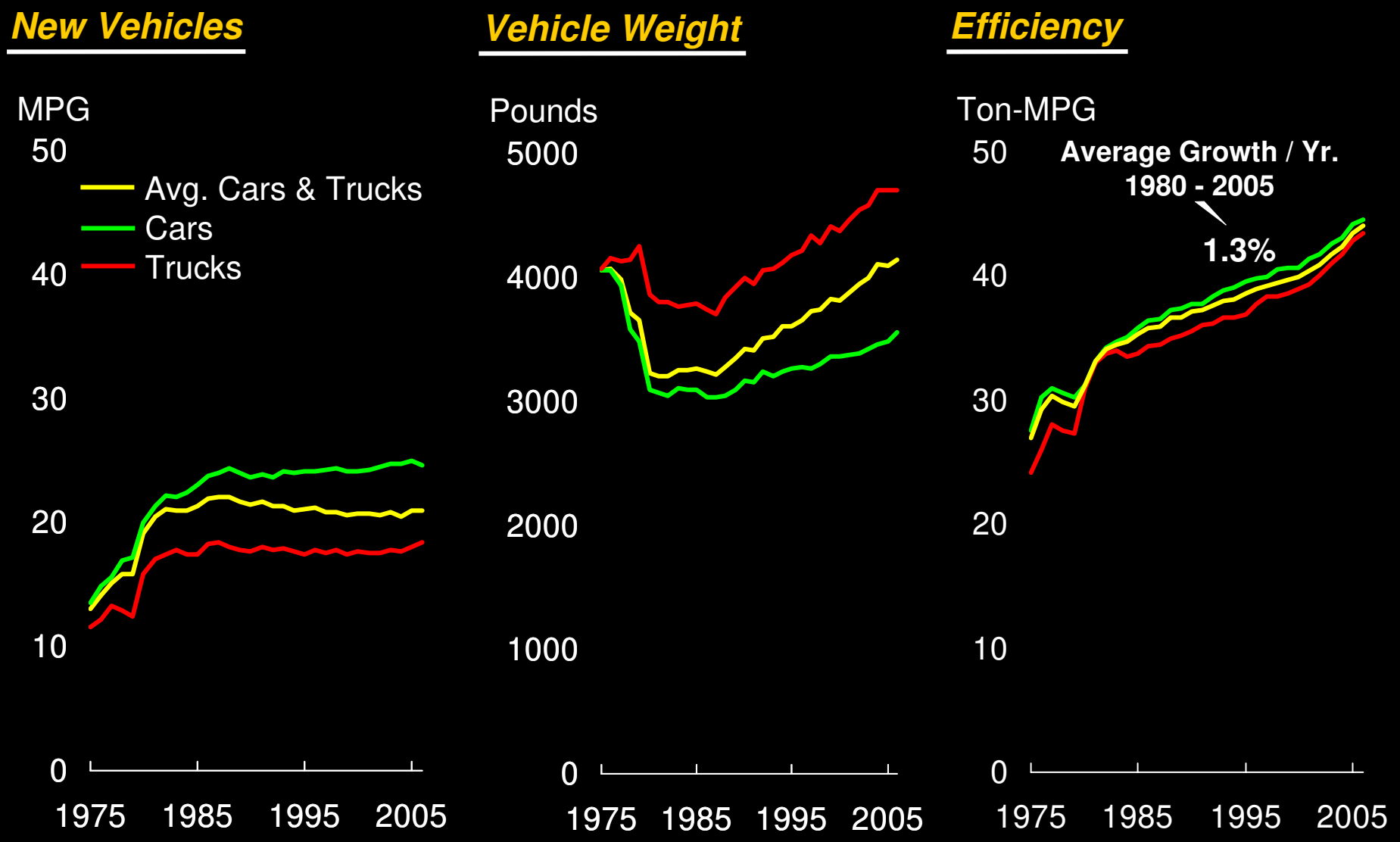
U.S. Light Duty Vehicles – Fuel Economy



Source: U.S. EPA

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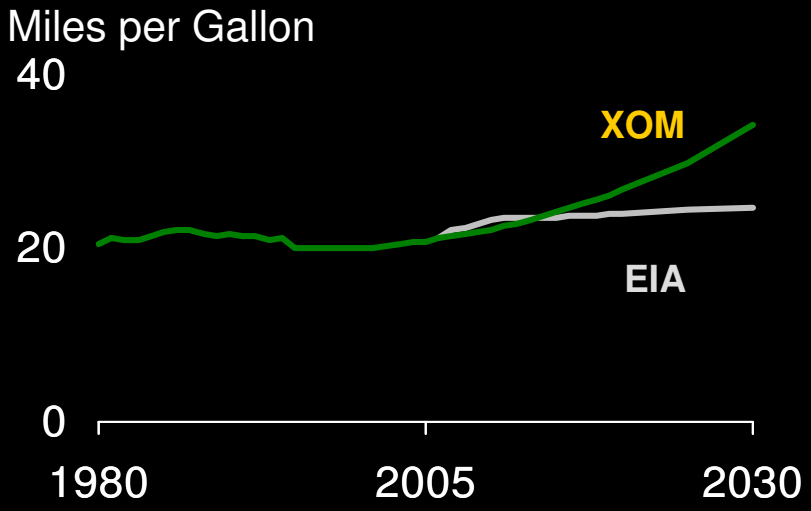
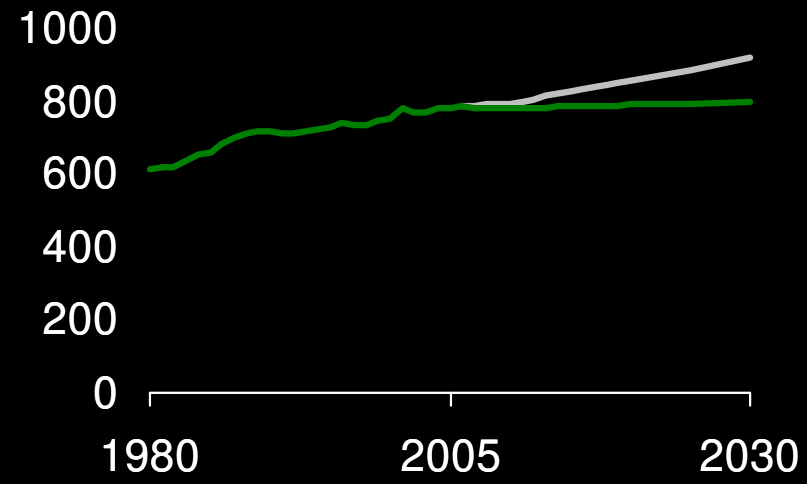
U.S. Light Duty Vehicles – Comparison with EIA

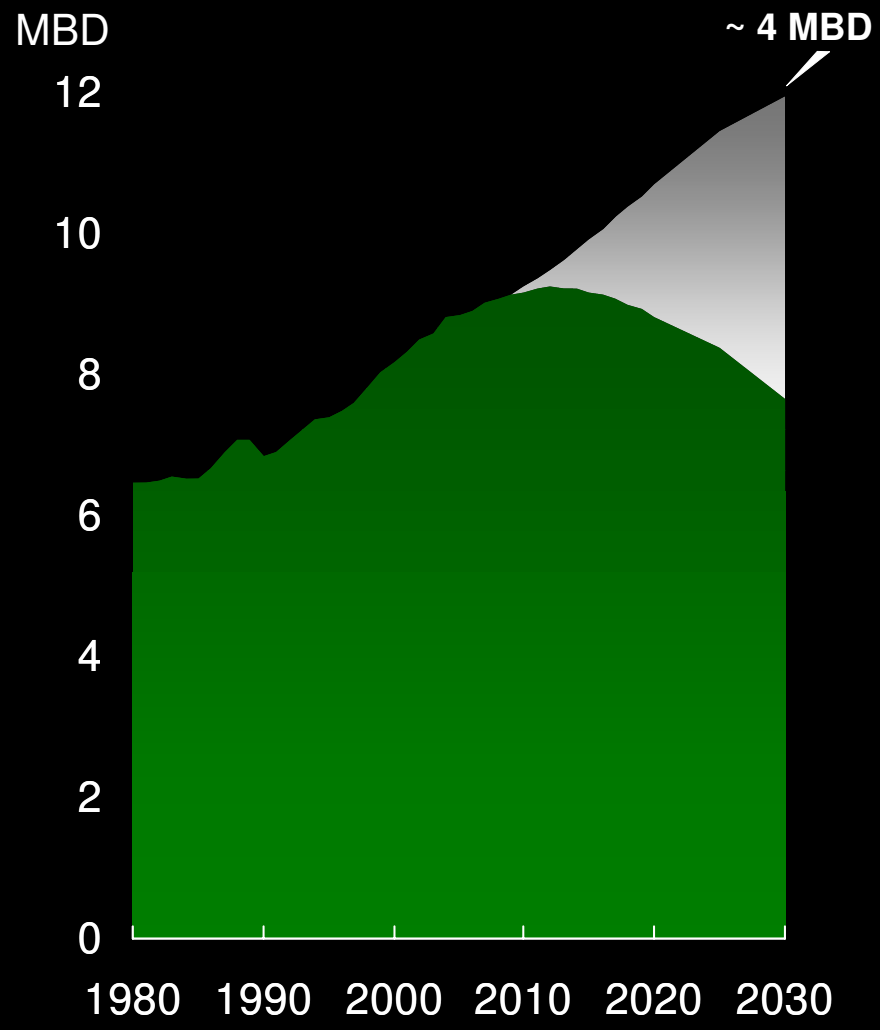
New Vehicle Fuel Economy



Vehicles/1000 people



Light Duty Fuels Demand



EIA Source: *AEO2007*

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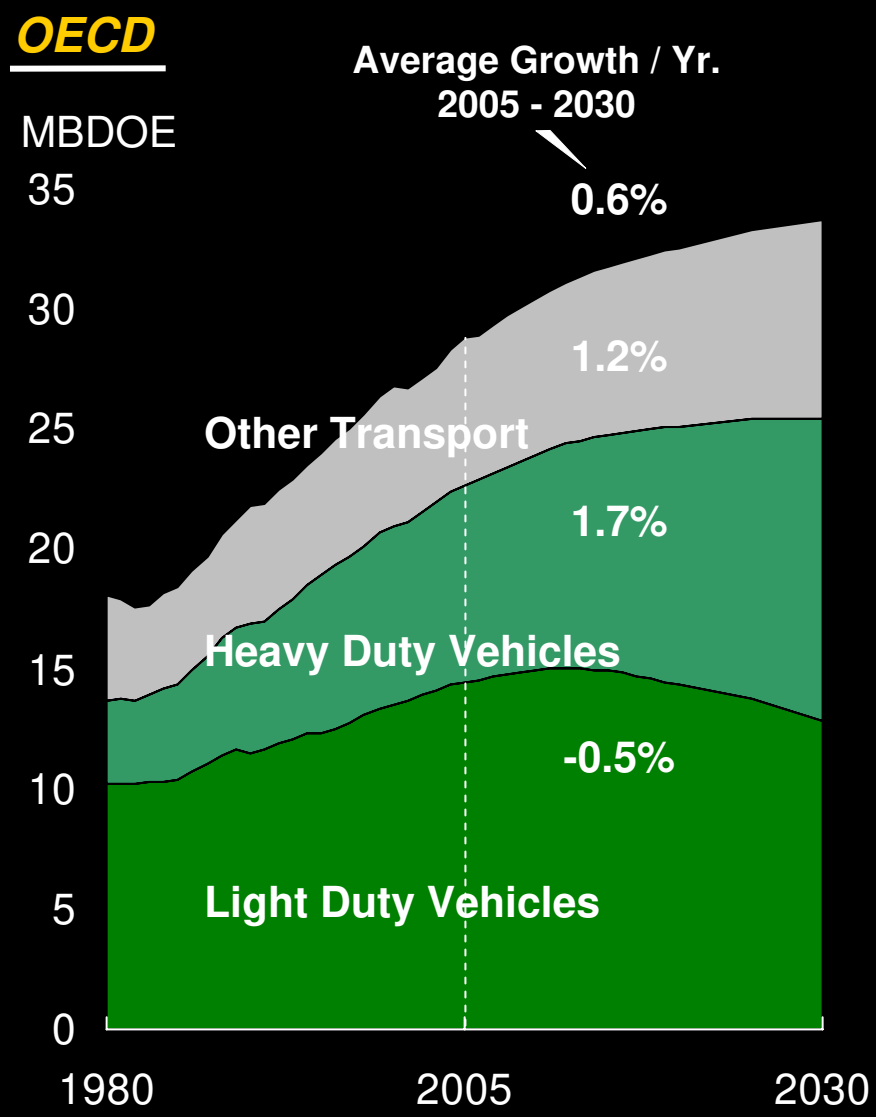
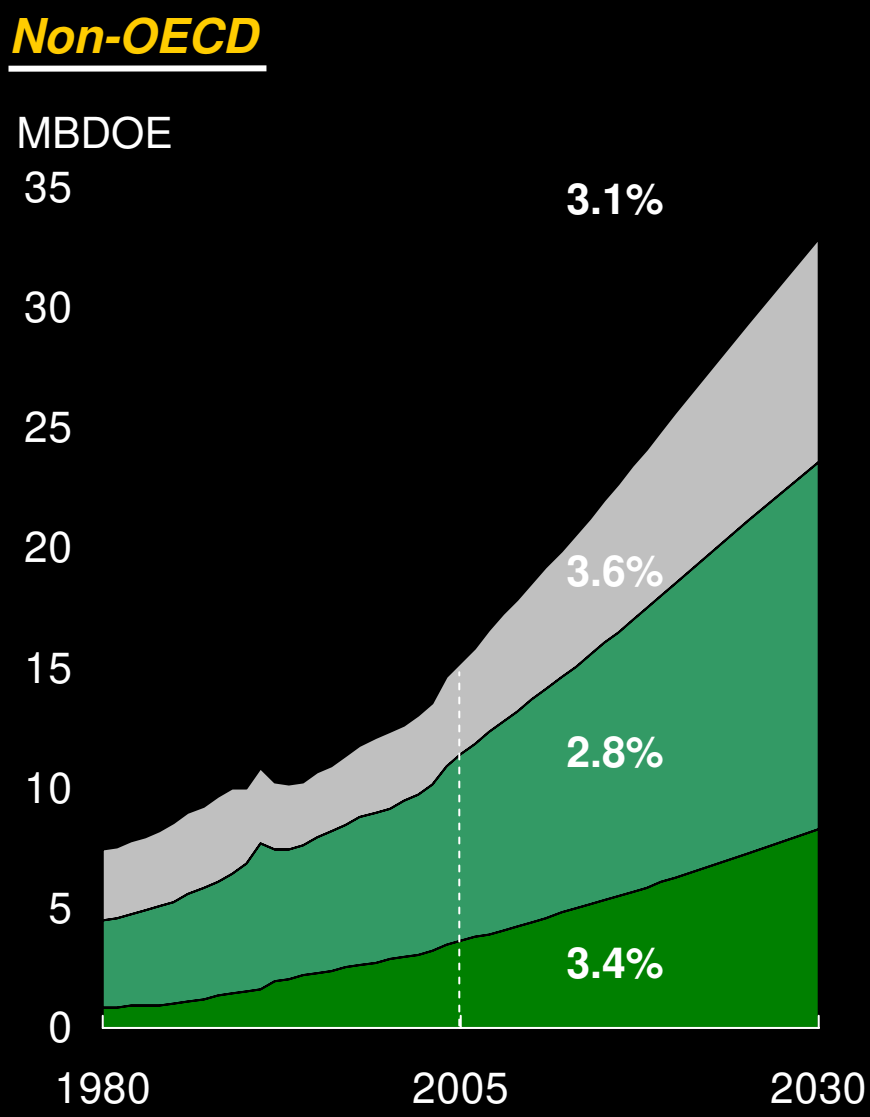
Global Transportation Demand





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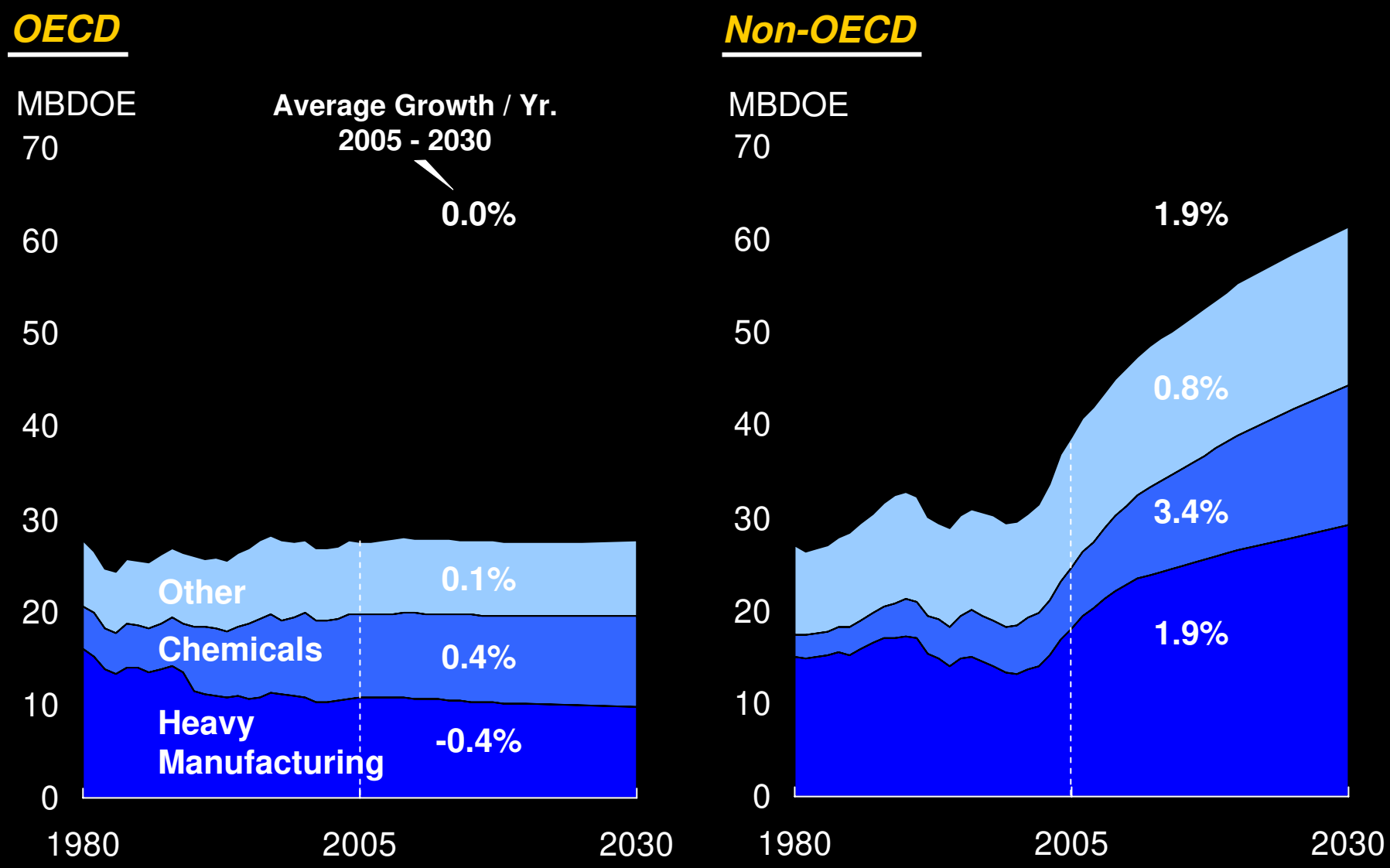
Global Industrial Demand



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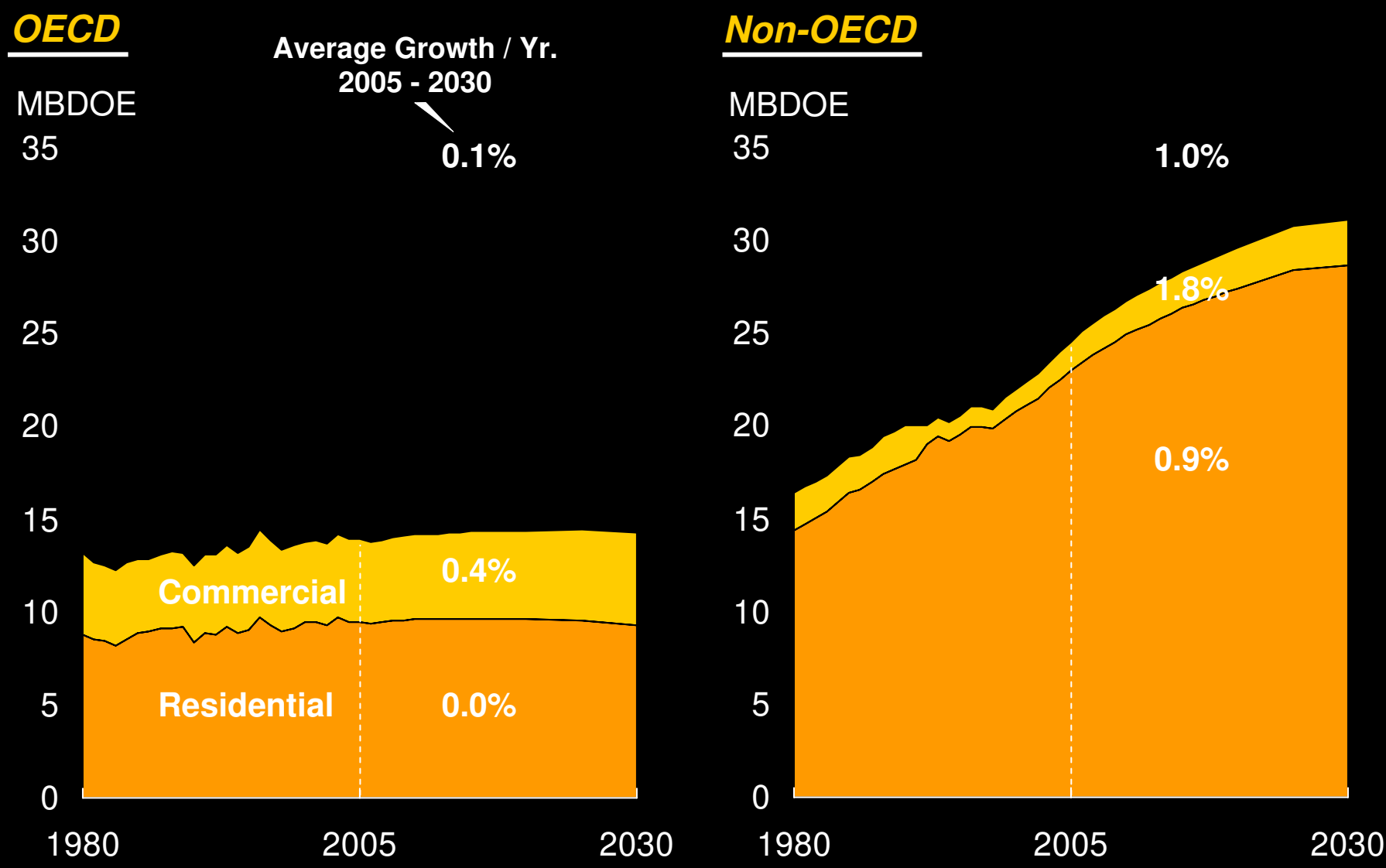
Global Residential / Commercial Demand



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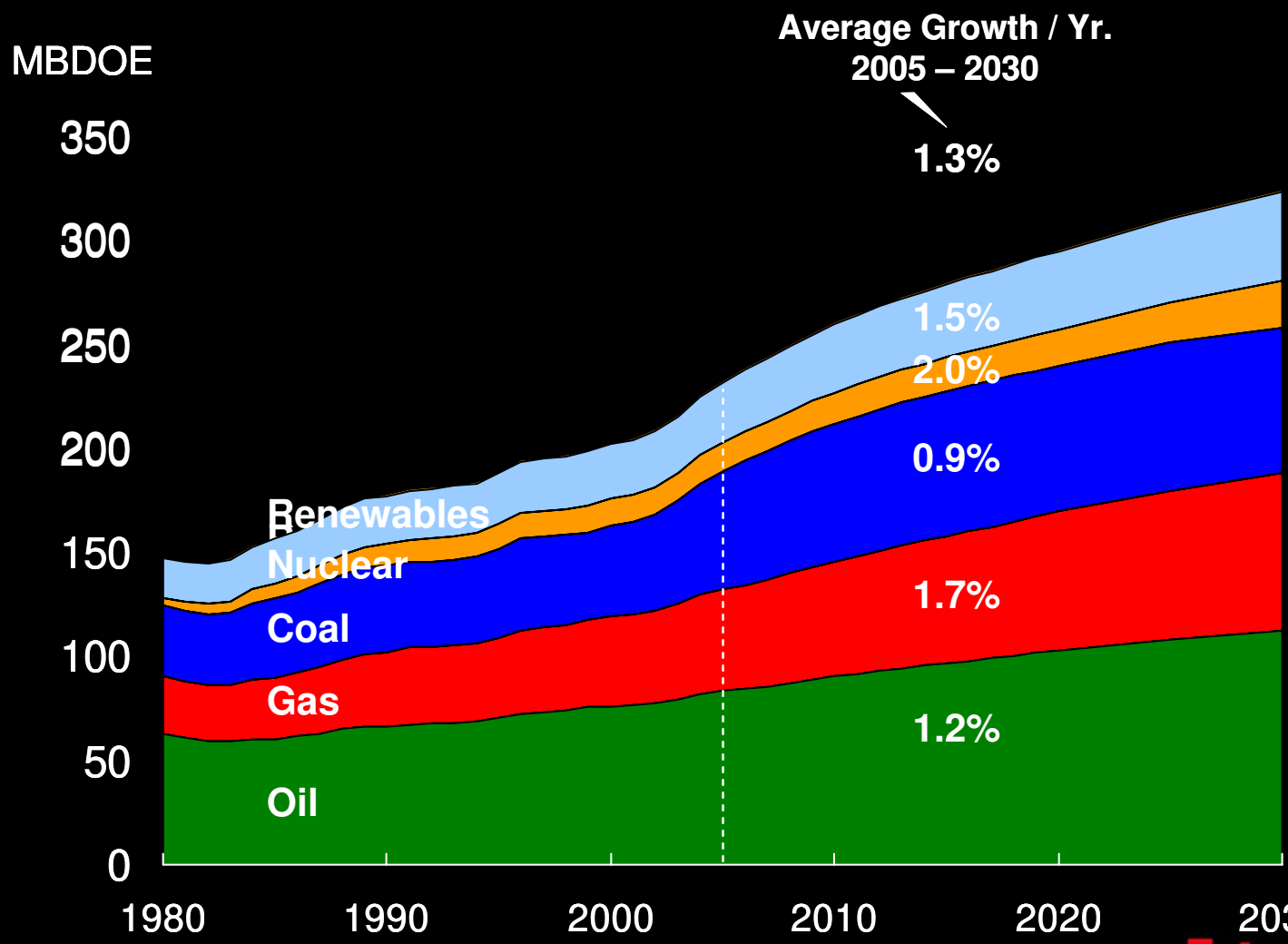
World Energy Demand & Supply



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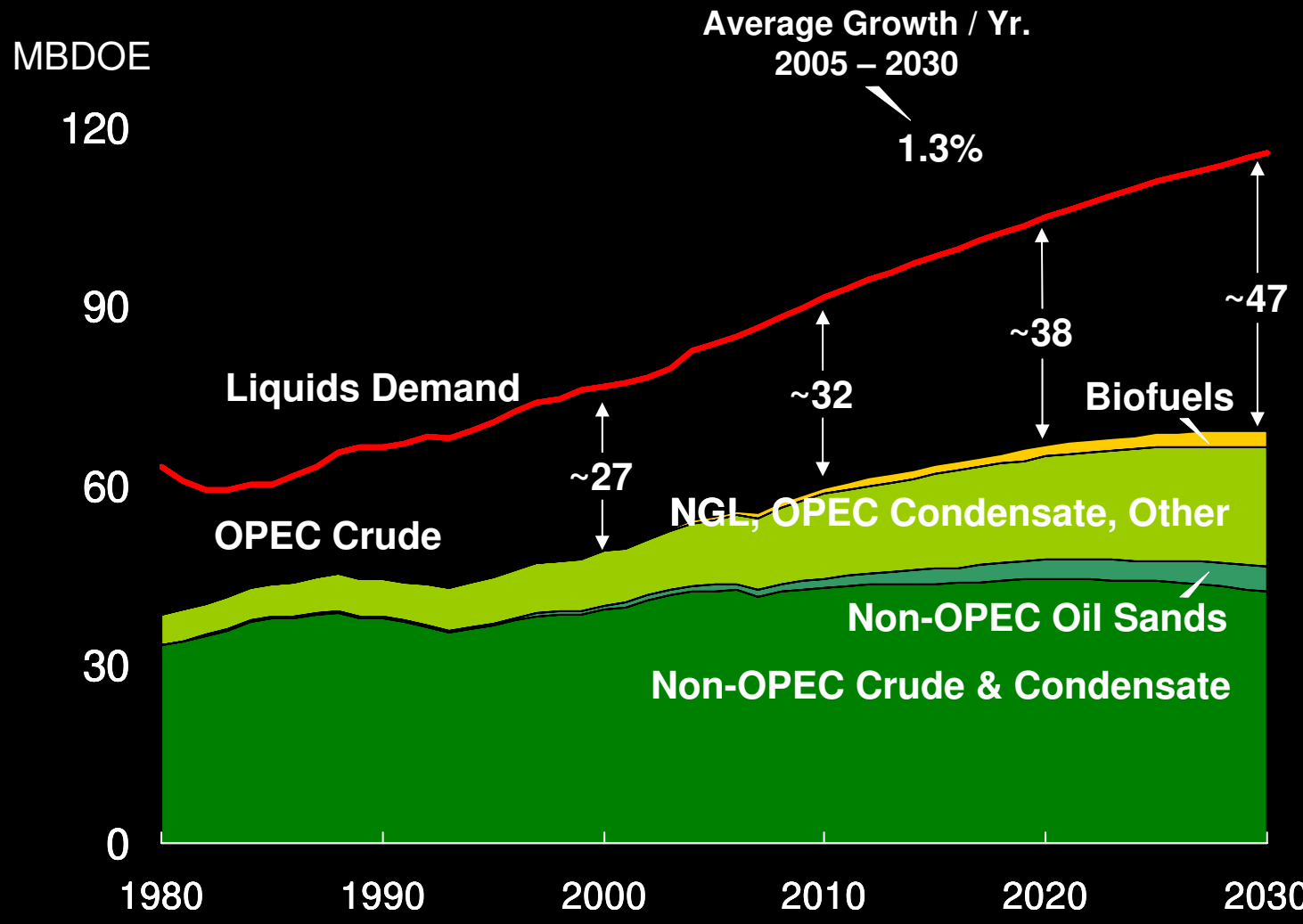
Liquids Supply & Demand



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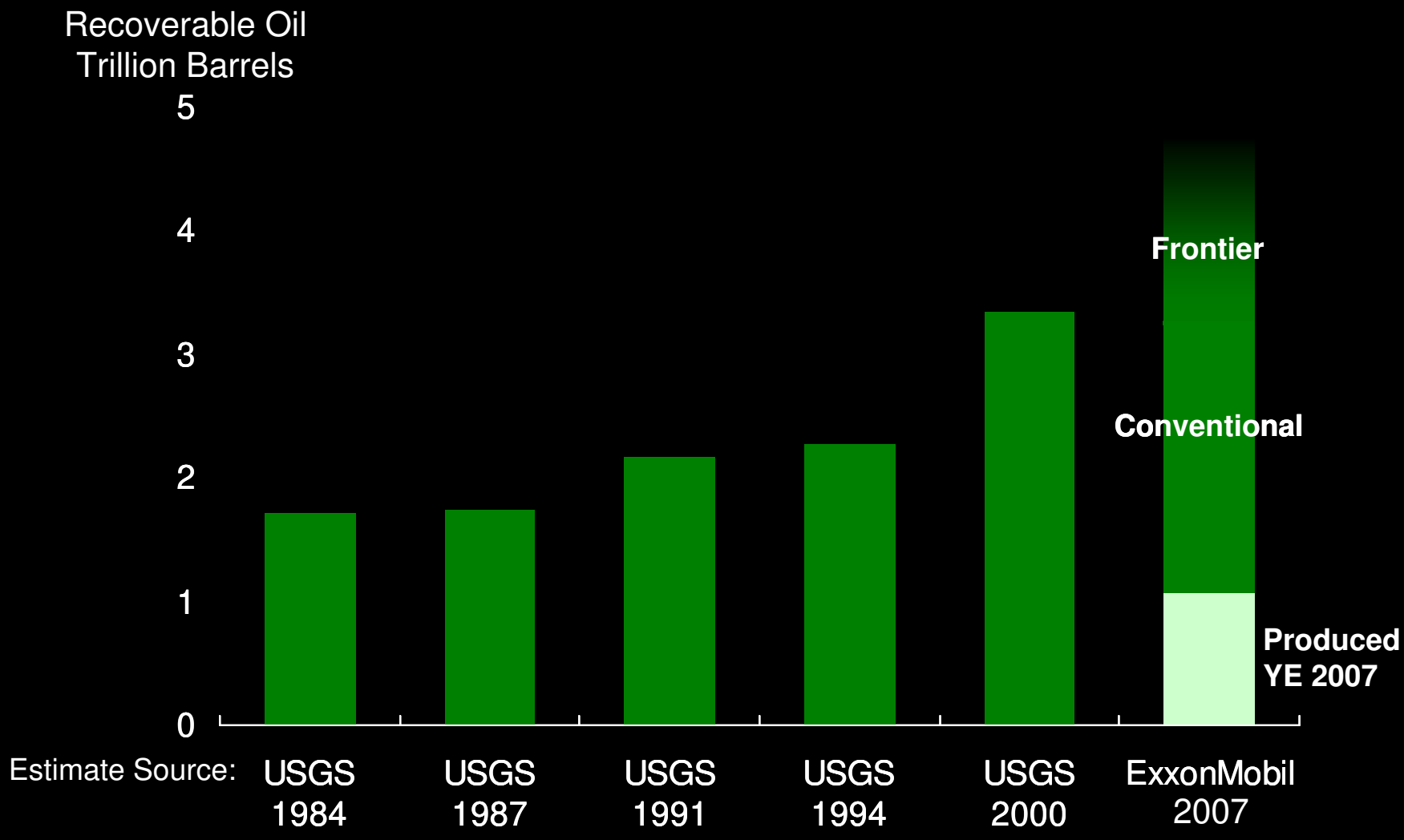
Global Oil Resource Base



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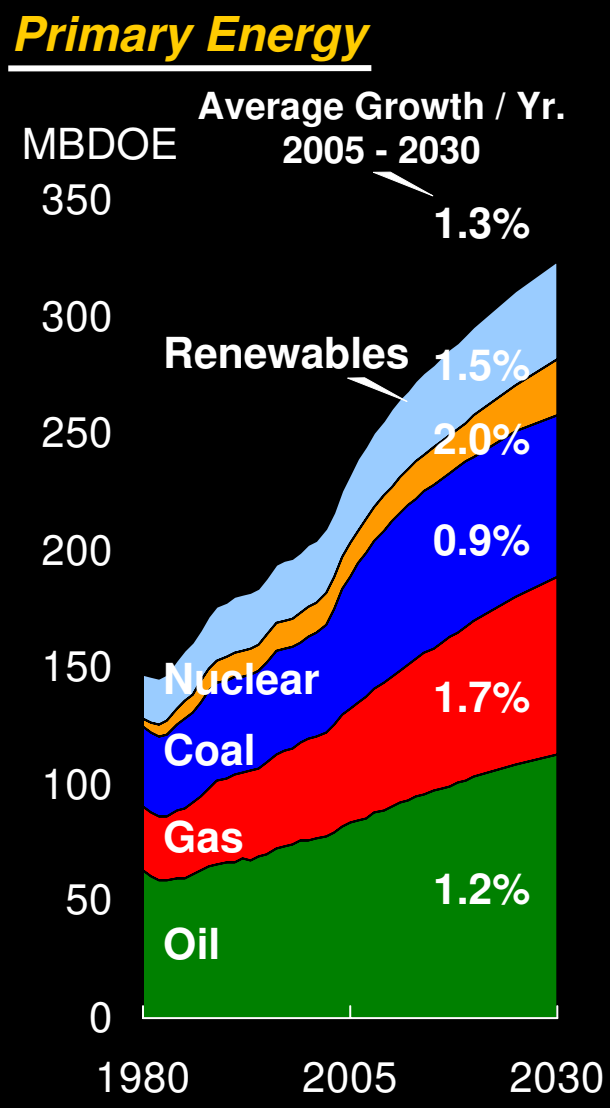
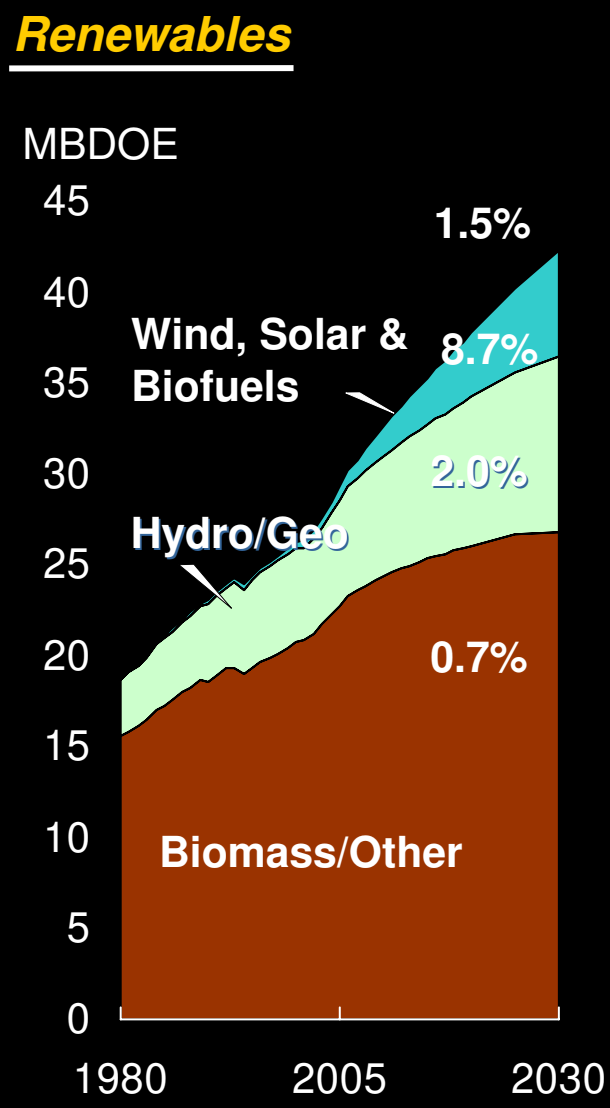
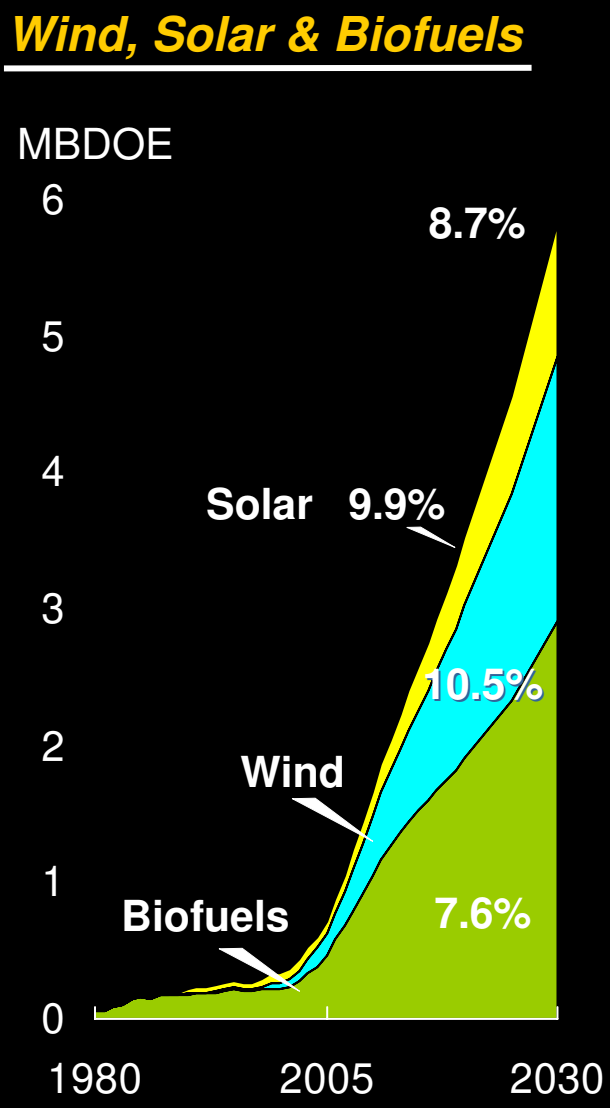
World Energy Demand – Primary Energy Supplies







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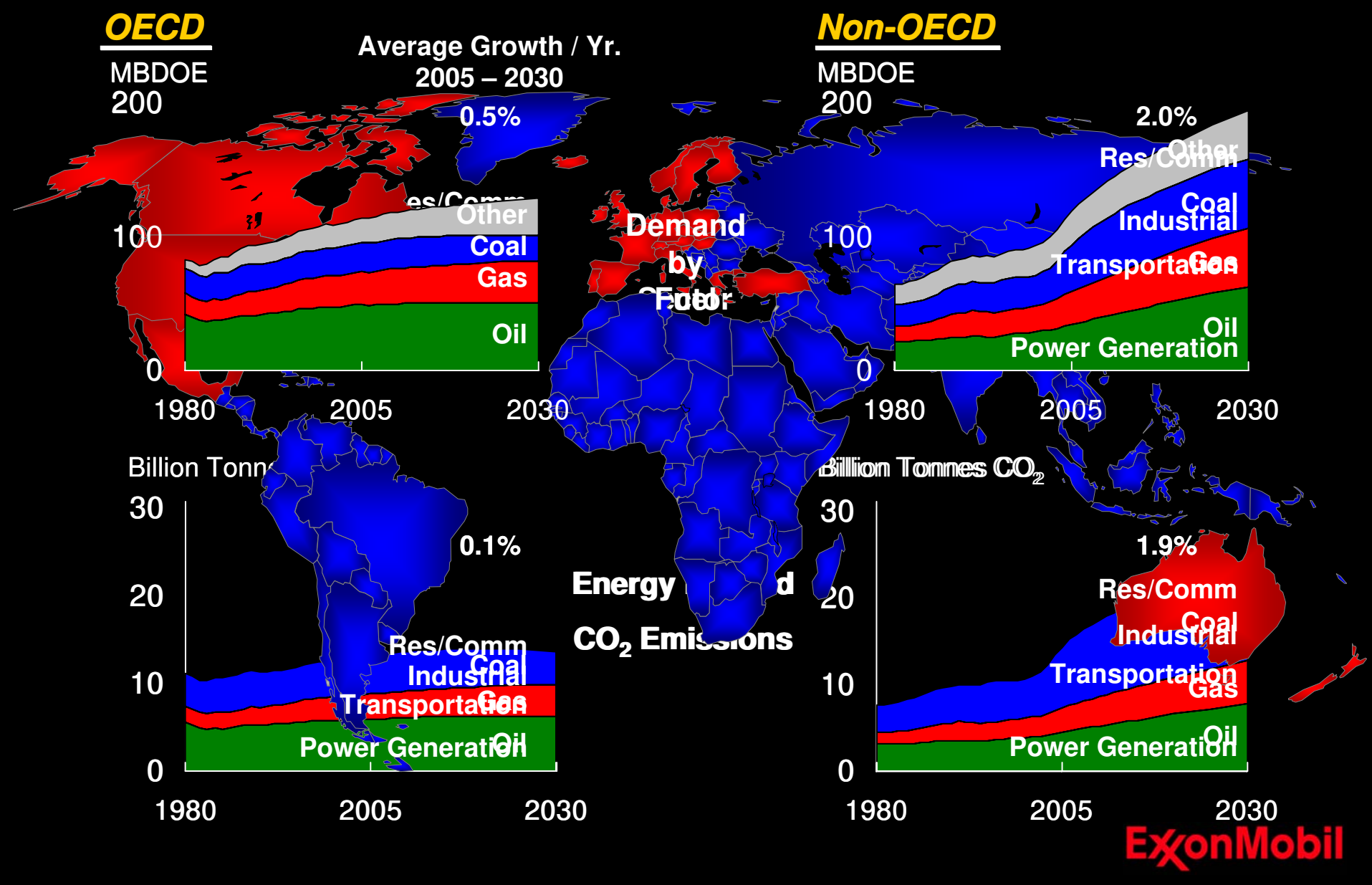
World Energy & CO_2 Emissions



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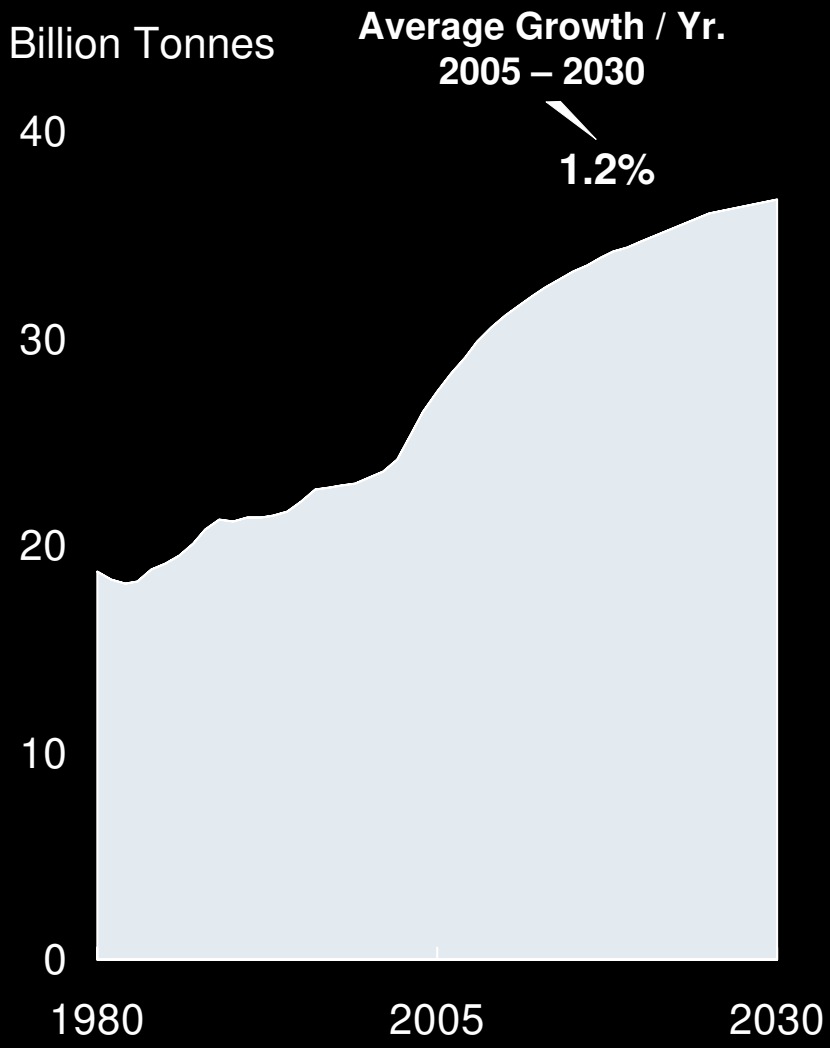
Global CO_2 Emissions

Energy Related CO_2 Emissions



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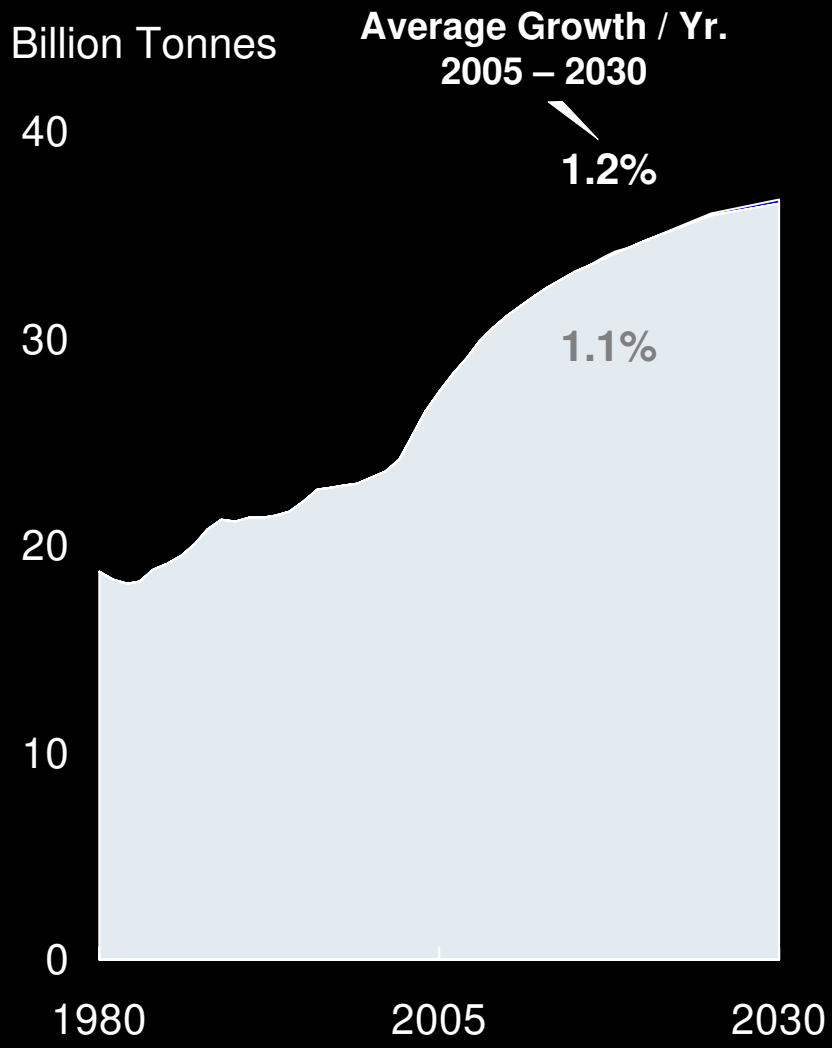
Global CO_2 Emissions

Energy Related CO_2 Emissions



Sensitivities

- Double biofuels growth through cellulosic ethanol

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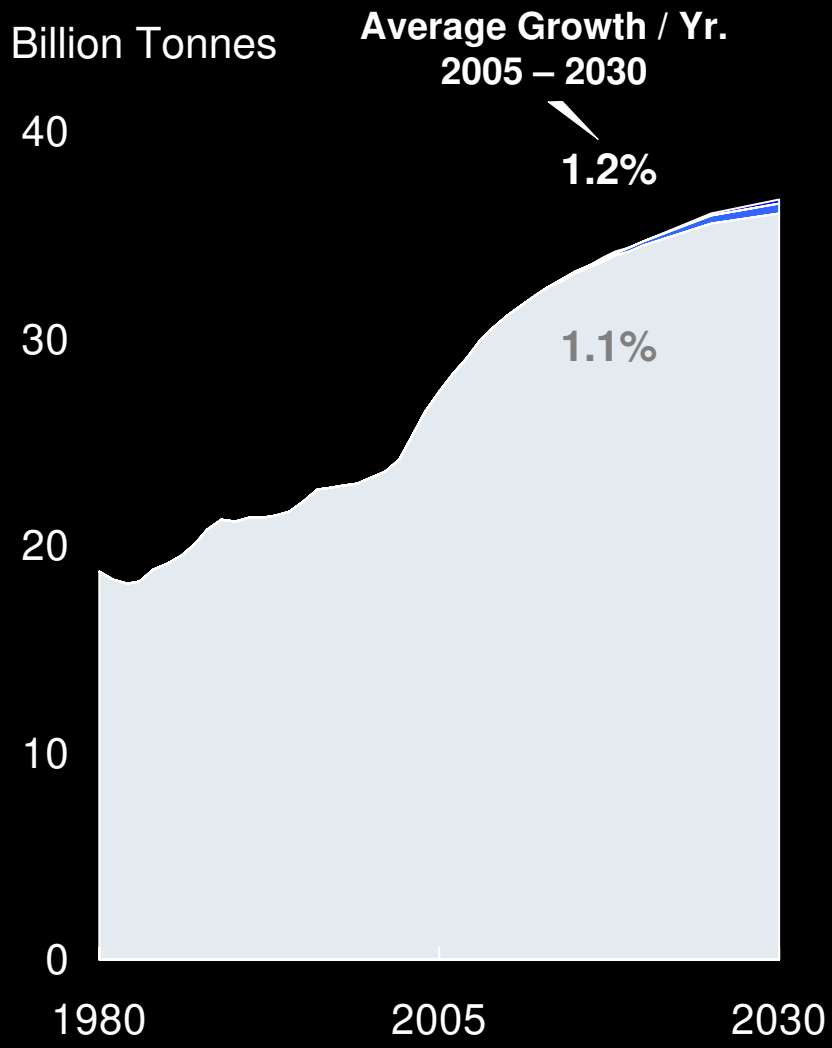
Global CO_2 Emissions

Energy Related CO_2 Emissions



Sensitivities

- Double biofuels growth through cellulosic ethanol
- Double rate of improvement of new car efficiency

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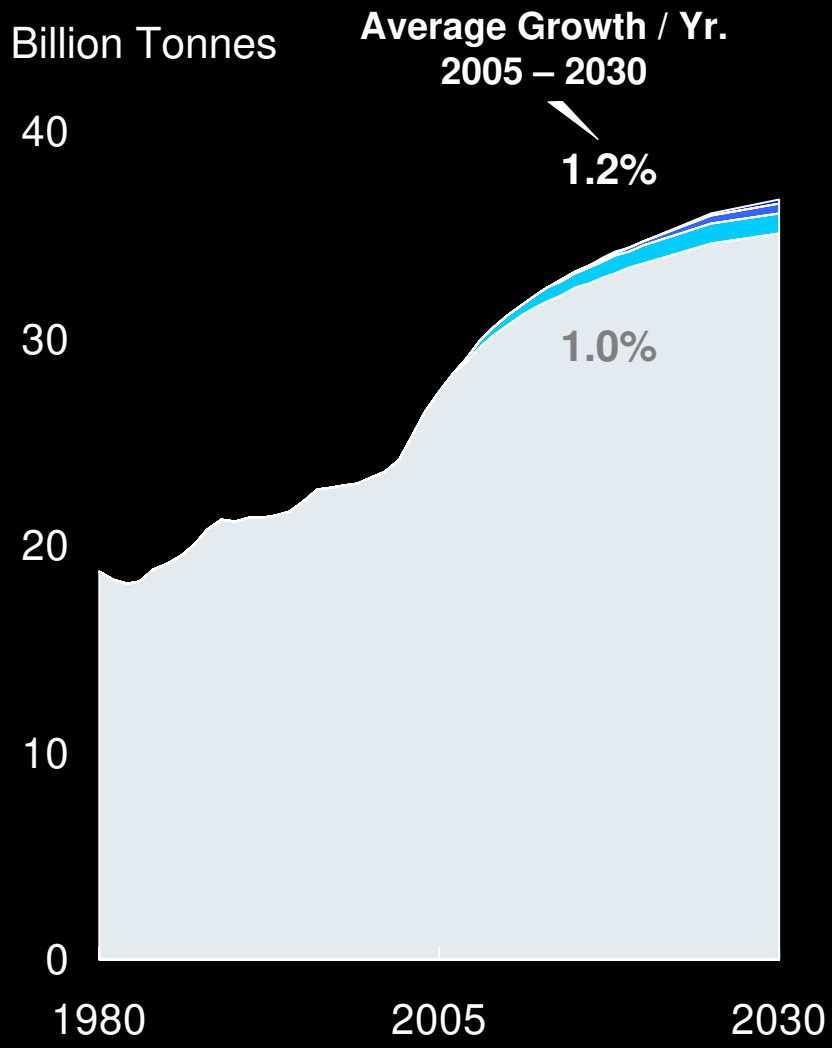
Global CO_2 Emissions

Energy Related CO_2 Emissions



Sensitivities

- Double biofuels growth through cellulosic ethanol
- Double rate of improvement of new car efficiency
- Replace ½ of coal growth with nuclear / CCS

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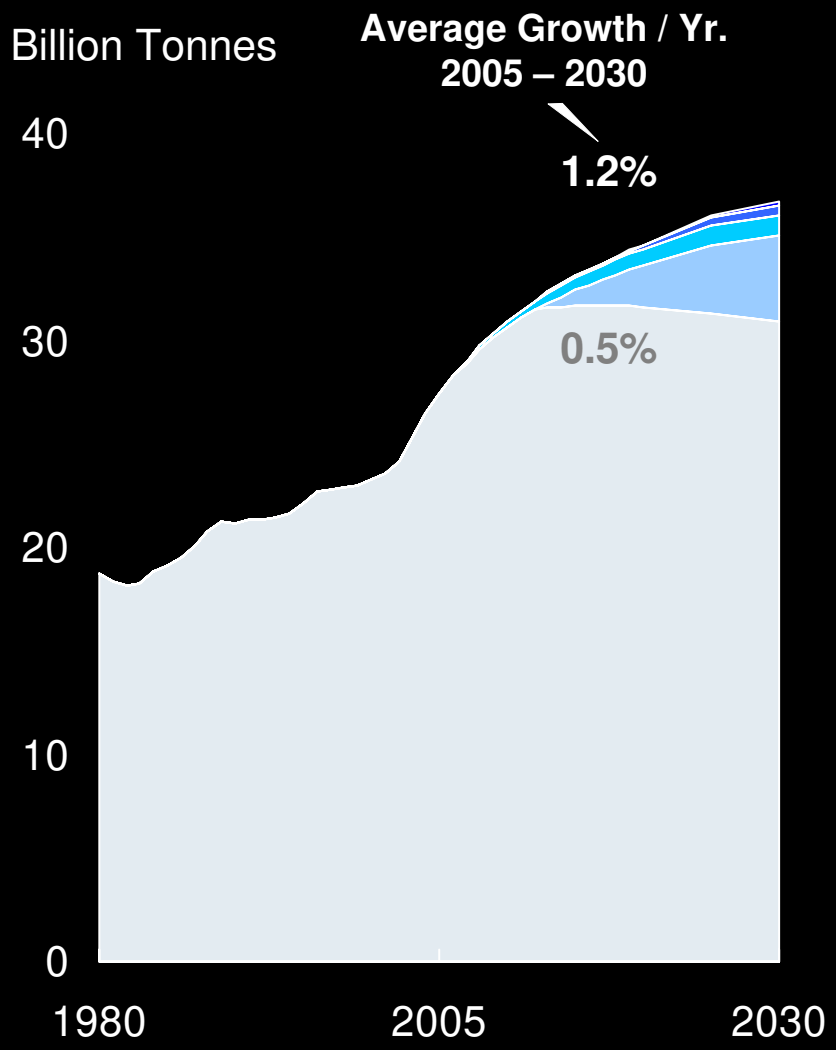
Global CO_2 Emissions

Energy Related CO_2 Emissions



Sensitivities

- Double biofuels growth through cellulosic ethanol
- Double rate of improvement of new car efficiency
- Replace ½ of coal growth with nuclear / CCS
- Retire coal plants at 40 years and replace with nuclear / CCS

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Conclusions

- *Economic progress, especially in developing countries, will drive global energy demand higher despite substantial efficiency gains*

- *Oil, natural gas and coal are indispensable to meeting this energy demand, even with rapid growth in renewables*

- *Significantly impacting CO_2 emissions requires global participation, step changes in energy efficiency, technology gains and massive investment*

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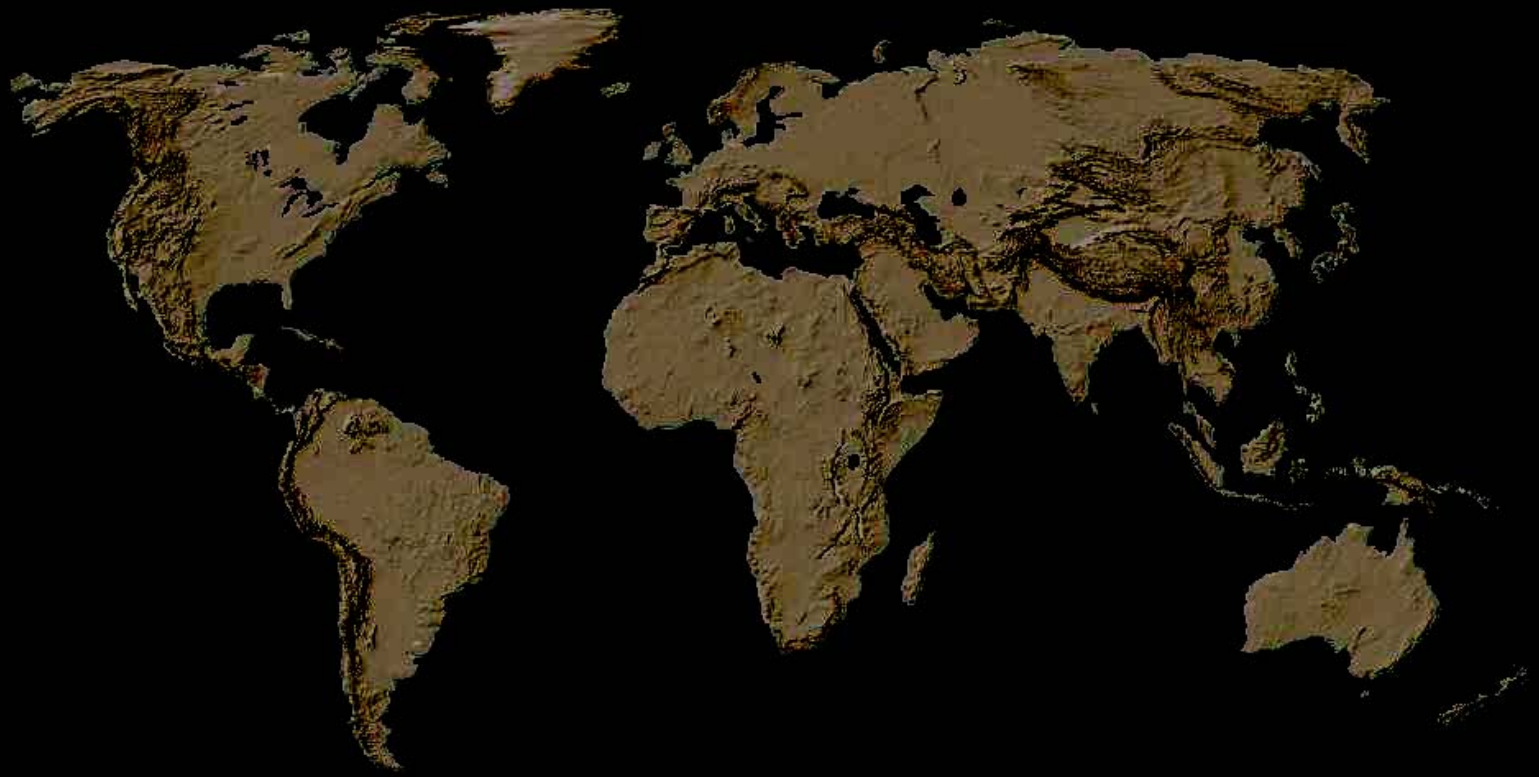
The Outlook for Energy

For more information regarding ExxonMobil's Energy Outlook please visit the link below:

www.exxonmobil.com/energyoutlook



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