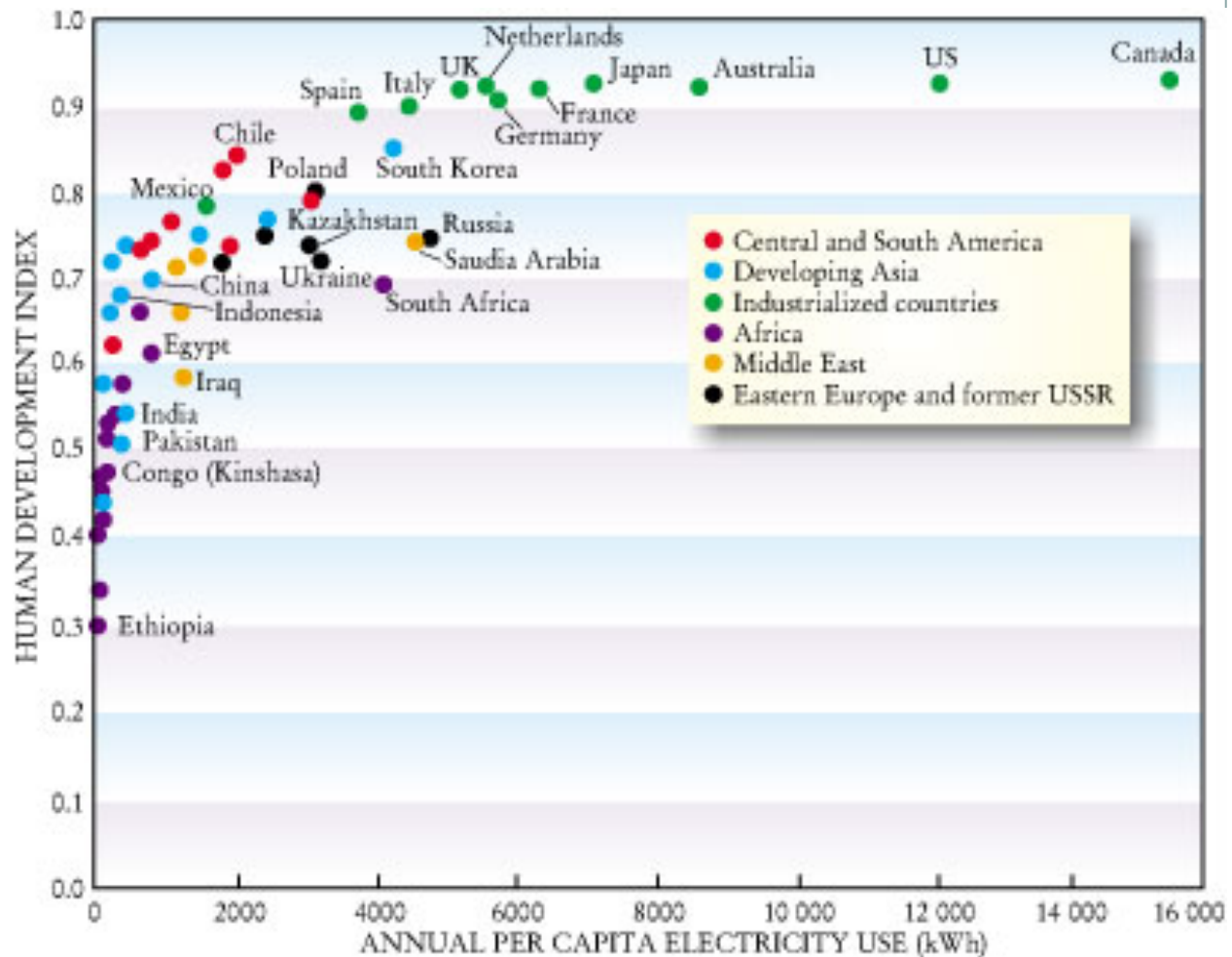


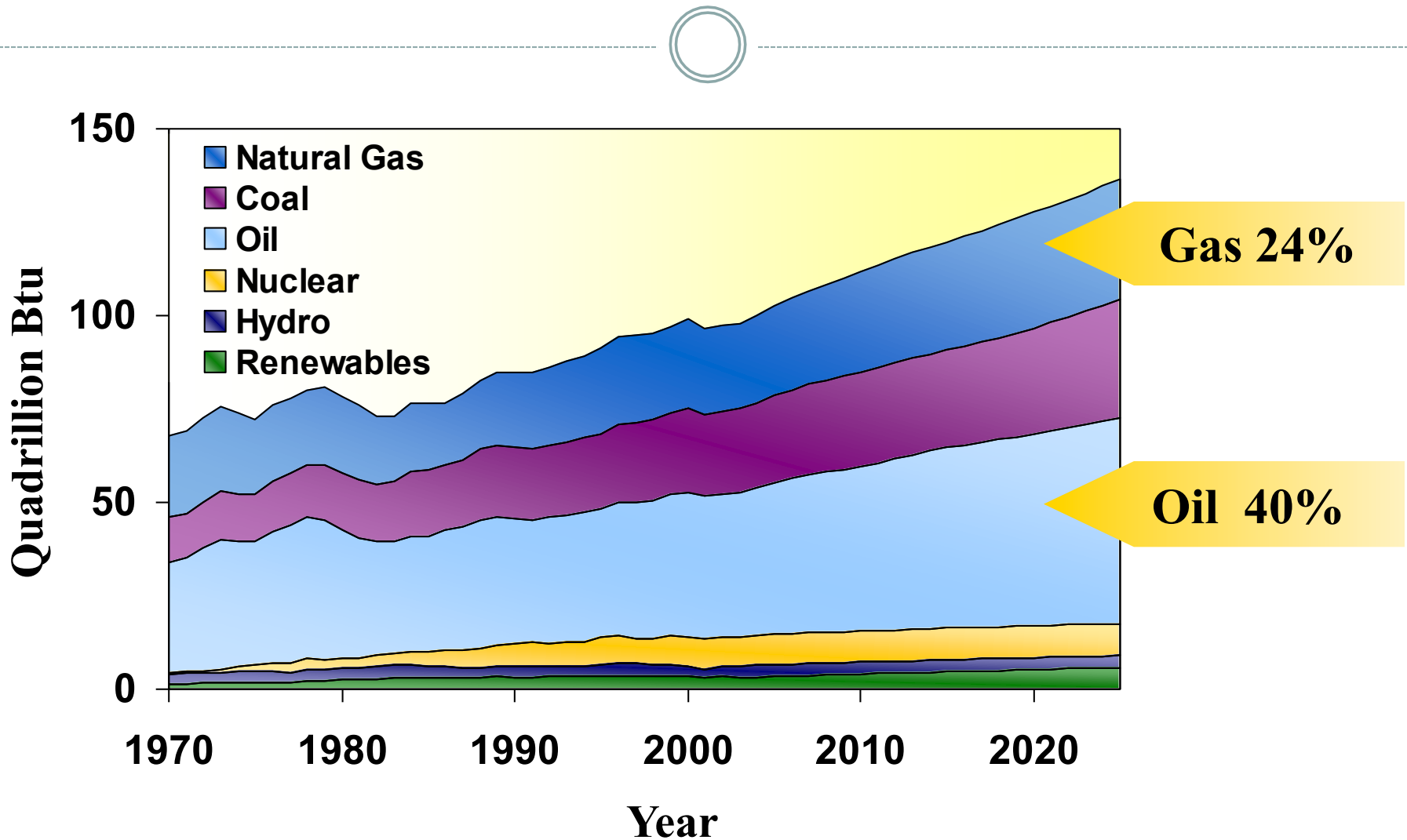
# Energy is a key to quality of life



In 1999, with less than 5 % of the world's population, the US generated 30 % of the world's GDP (Gross Domestic Product), consumed 25 % of the world's energy, and emitted 25 % of the world's carbon dioxide."



# *Oil and gas provide about two-thirds of energy consumed*



*DOE EIA, Annual Energy Outlook 2004, Figure 2*

2007



2030

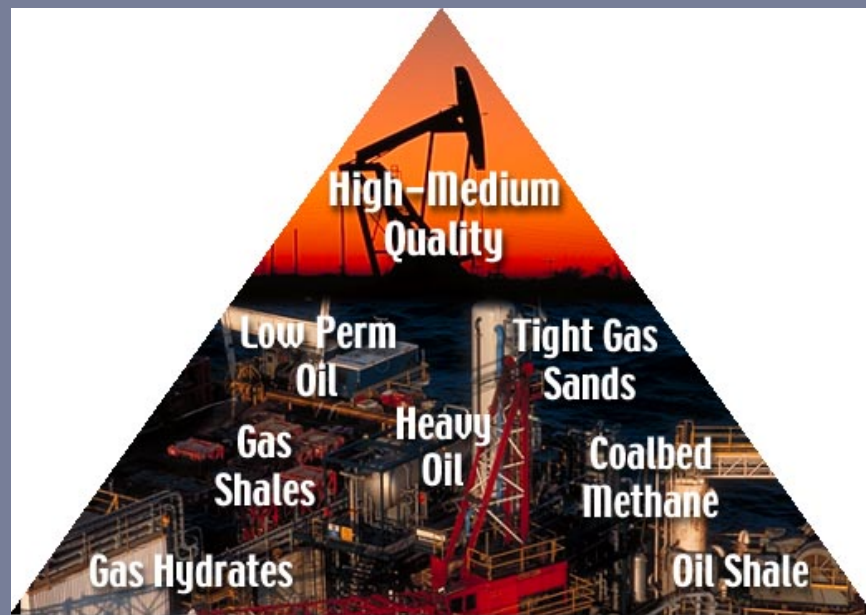


From John Lavelle – GE Gasification

# Resources are getting harder to extract

## Conventional

1 gallon of reservoir = 1 pint of oil



Increased Cost  
Lower Yield  
Fracking Required

## Unconventional

1 gallon of reservoir = 2.4 teaspoons of oil

