







## FOSSIL FUELS

#### Geologic Time ERA - PERIOD

Precambrian 544,000,000 Yrs

Cambrian

505,000,000 Yrs

Ordovician

440,000,000 Yrs

Silurian

410,000,000 Yrs

Devonian

### 360,000,000 Yrs Carboniferous

DEPOSITS

FUEL

llgae

Most fossil fuel deposits came

covered by silt and sand.

The deposits were burried deeper and

changed it into oil and gas. Solar energy

has been locked into coal, oil, and gas and after extracted is transformed into thermal

from plants that lived during the

Carboniferous period. Some coal deposits have been traced to the Cretaceous

period during the time of Tyrannosaurus Rex.

Over time dead plants and algae settled to the

deeper. The enormous pressure

bottom of the ocean floor. This was then

and light energy.

Permian First Reptiles

245,000,000 Yrs

Cretaceous

208,000,000 Yrs

Jurassic

144,000,000 Yrs

Triassic

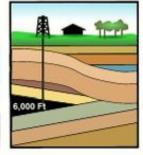
65,000,000 Yrs

Tertiary

1,800,000 Yrs

Quaternary

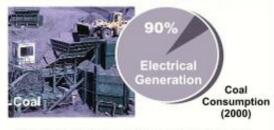
TODAY



Oil and gas is extracted by drilling deep below the surface of the earth. This is then piped to refineries to produce various grades of oil and fuel.

#### Non-renewable Energy Resources

# Three Major Forms of Fossil Fuels



The U.S. is the world leader in known coal reserves, enough to last almost 300 years. About 90% of the coal produced is used to generate electricity. Coal generates half of the energy used in the U.S.



Residential/Commercial 6% Industry 25%

Transportation 68%

Oil Consumption

Petroleum is the leading source of energy used in the U.S. at 38%. Coal and natural gas provide about 22 percent of energy needs.

#### 1 Barrel of Oil = 42 Gallons

