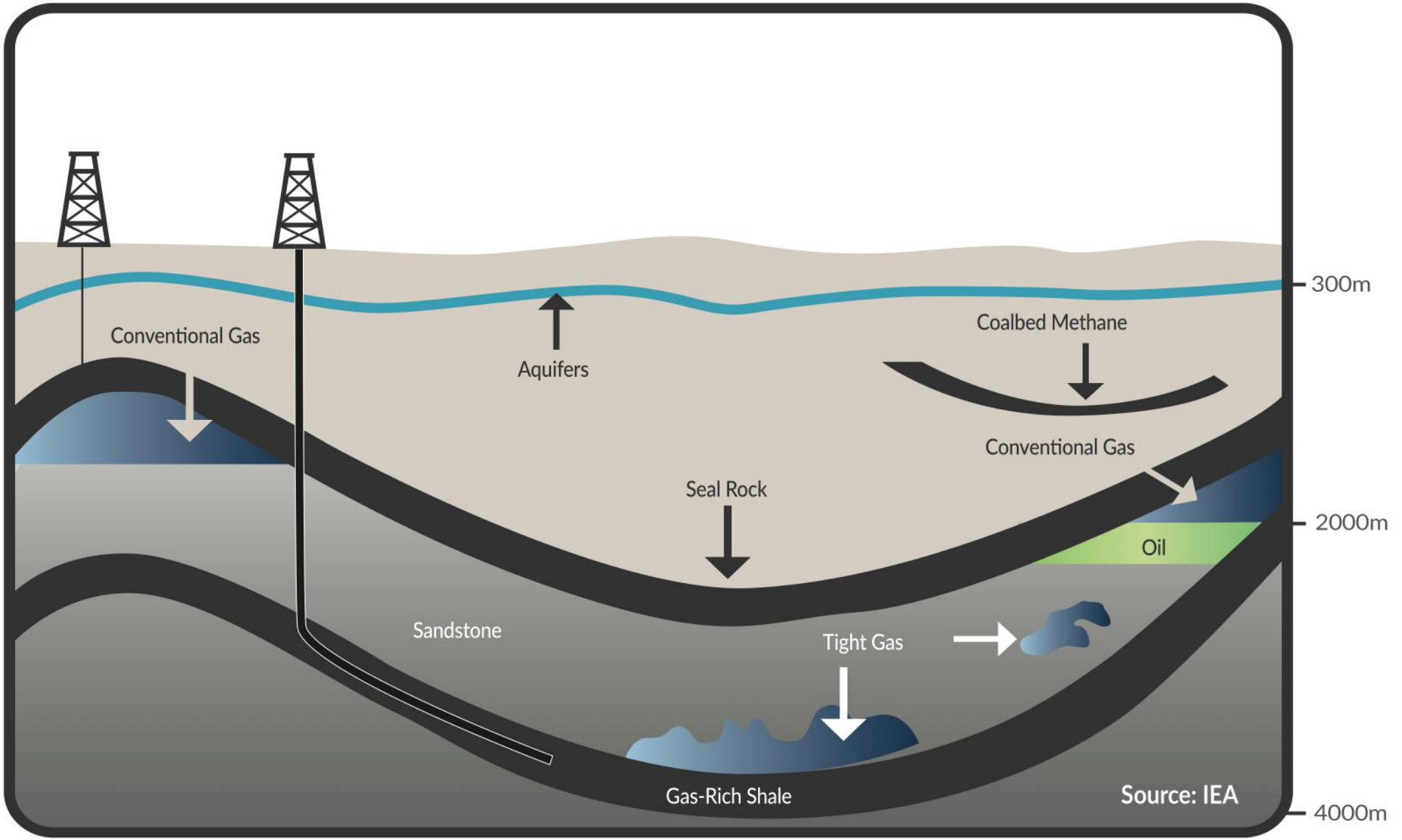
Geology of Natural Gas Resources



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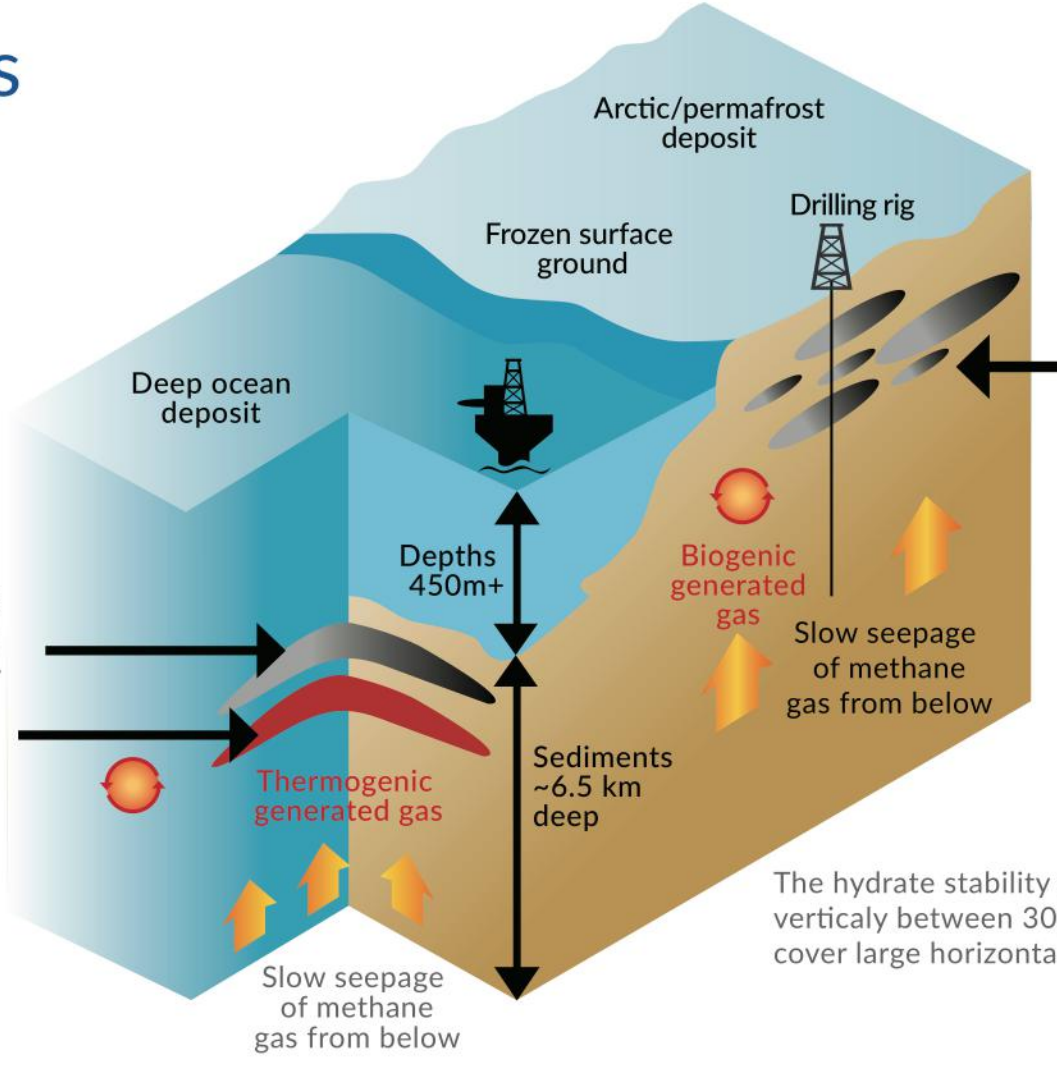
Methane Hydrates

(Unconventional Resources)



Source: Adapted from IEA

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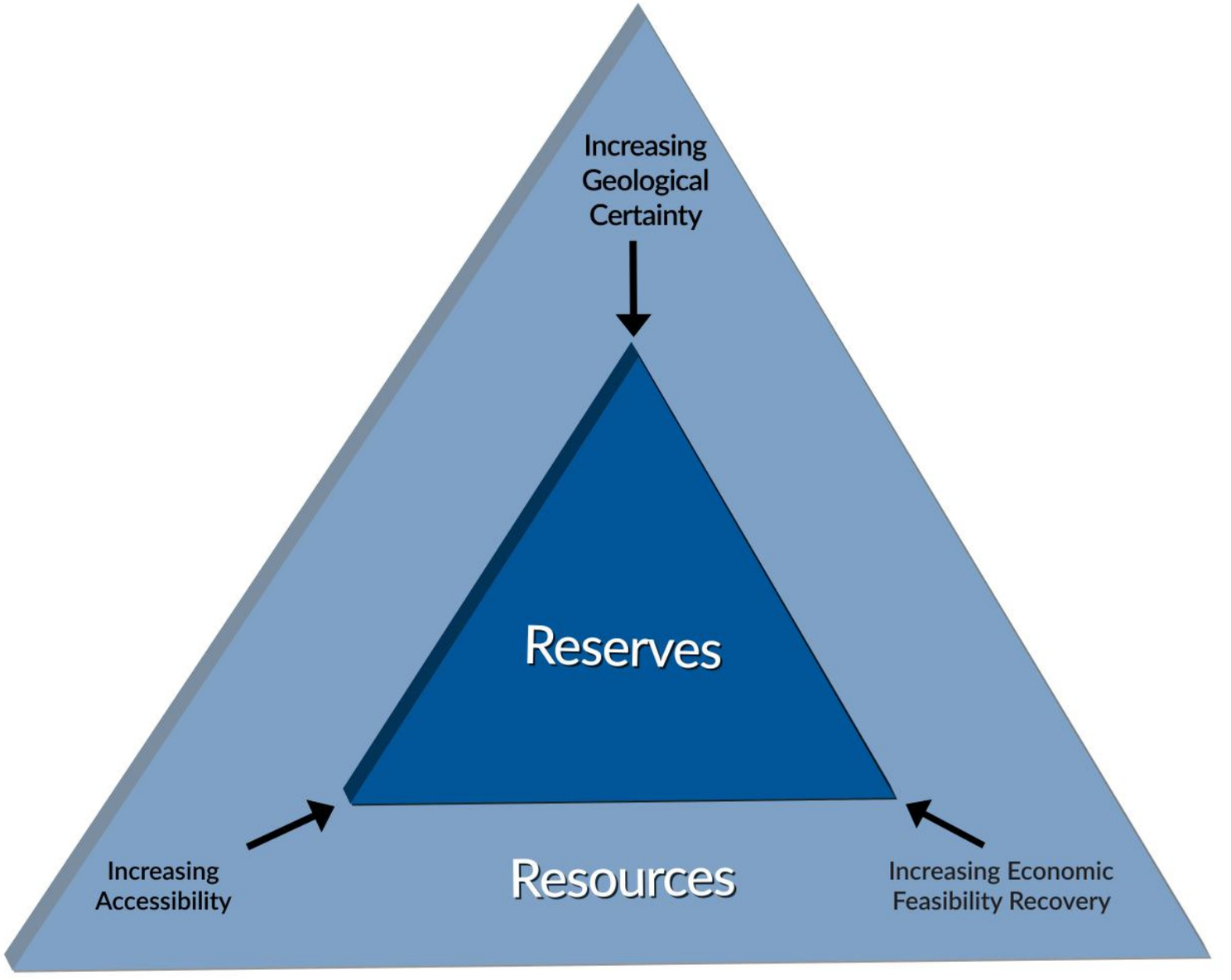
Resources versus Reserves



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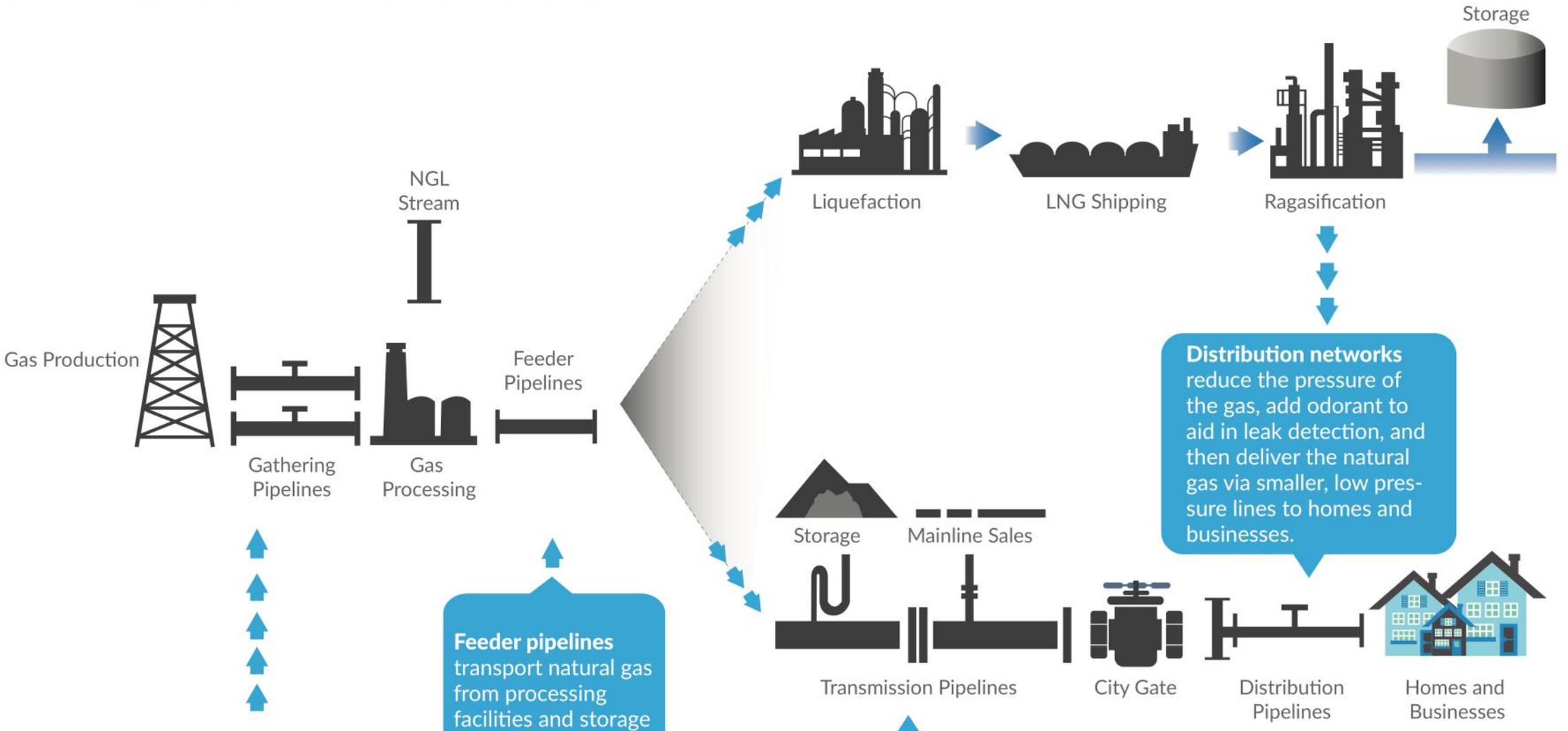
Movement of Natural Gas



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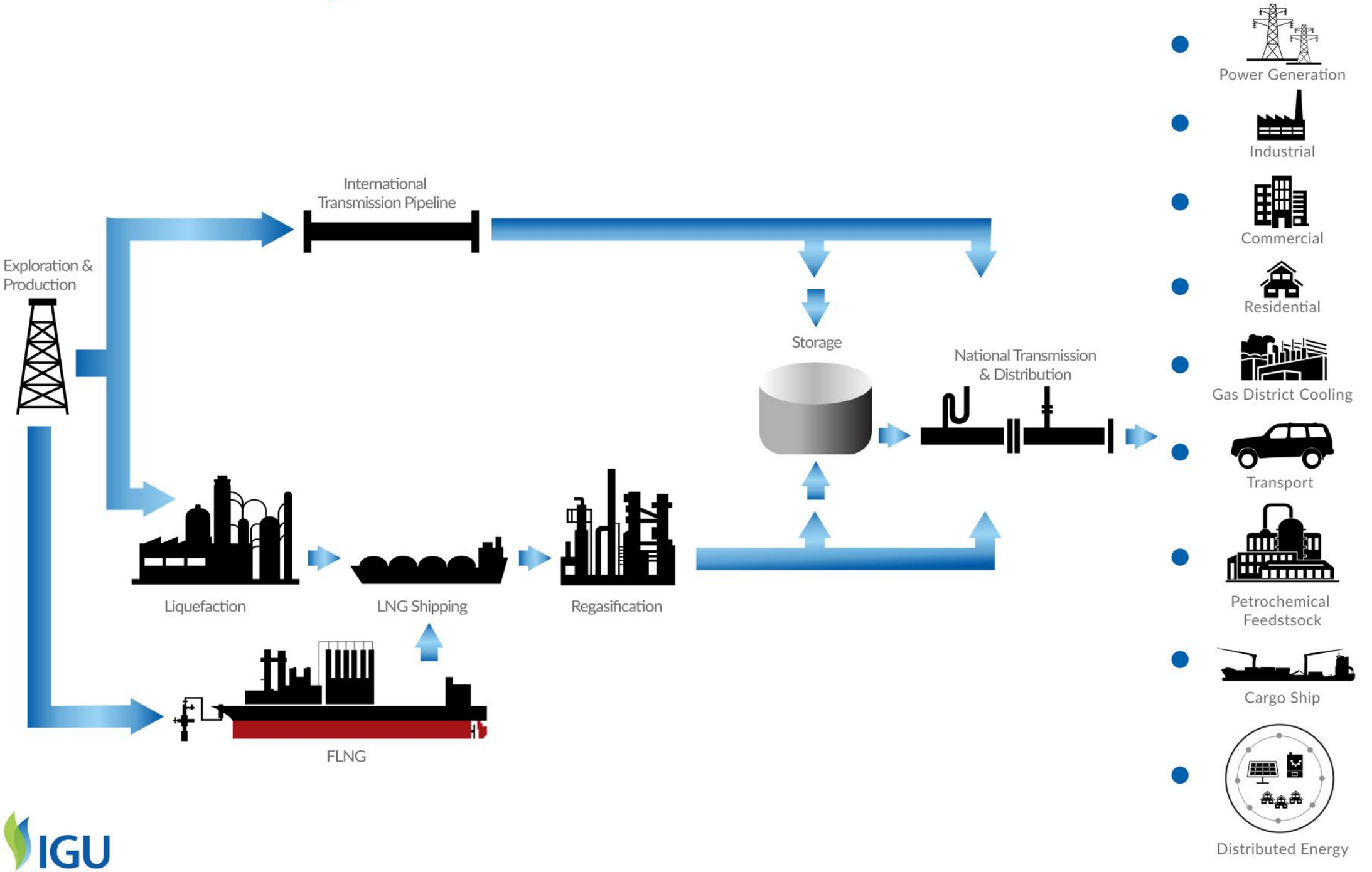
The Gas Industry Value Chain



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Unit Conversion Guide

From	m^3	cf	MMBtu	GJ
	Multiply by			
Cubic Metres (m^3)	**1.0**	35.301	0.0353	0.0373
Cubic Feet (cf)	0.0283	**1.0**	0.001	0.001055
Million British Thermal Units (MMBtu)	28.3278	1000	**1.0**	1.0551
Gigajoules (GJ)	26.853	947.817	0.9478	**1.0**

Units			
1 metric tonne	= 2204.62 lb	= 1.1023 short tons	
1 kilolitre	= 1 cubic metre	= 6.2898 barrels	
1 kilocalorie (kcal)	= 4.187 kJ	= 3.968 Btu	
1 kilojoule (kJ)	= 0.239 kcal	= 0.948 Btu	
1 British Thermal Unit (Btu)	= 0.252 kcal	= 1.055 kJ	
1 kilowatt-hour (kWh)	= 860 kcal	= 3600 kJ	= 3412 Btu

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