











Safe fission reactors takes 25-50 years to develop, safe fusion reactors 50+ years.

Clean coal and natural gas technologies take some 10 years to develop and another 10 to introduce on a large scale. Cost is typically 2+ times current energy cost. Resource sufficiency unclear with environmental concerns.

Renewable energy: many technologies are ready. Wind and solar hot water are cost-effective in many places. Solar heating needs seasonal storage, as do solar cells (plus substantial price reduction). Biofuels are currently some 2 times current fuel costs. Resources are sufficient.

Hydrogen is a possible intermediary fuel. Fuel cells need 10-15 years of development and substantial price reduction.























