



[Vital Climate Graphics : Potential Impacts of Climate Change](#)
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The six IPCC scenarios

Scenario	Population	Economic growth	Energy supplies
IS92a,b	World Bank 1991 11.3 billion by 2100	1990-2025: 2.9% 1990-2100: 2.3%	12,000 EJ conventional oil 13,000 EJ natural gas Solar costs fall to \$0,075/kWh 191 EJ of biofuels available at \$70/barrel
IS92c	UN medium-low case 6.4 billion by 2100	1990-2025: 2.0% 1990-2100: 1.2%	8,000 EJ conventional oil 7,300 EJ natural gas Nuclear costs decline by 0.4% annually
IS92d	UN medium-low case 6.4 billion by 2100	1990-2025: 2.7% 1990-2100: 2.0%	Oil and gas same as IS92c Solar costs fall to \$0.065/kWh 272 EJ of biofuels available at \$50/barrel
IS92e	World Bank 1991 11.3 billion by 2100	1990-2025: 3.5% 1990-2100: 3.0%	18,400 EJ conventional oil Gas same as IS92a,b Phase out nuclear by 2075
IS92f	UN medium-high case 17.6 billion by 2100	1990-2025: 2.9% 1990-2100: 2.3%	Oil and gas same as IS92e Solar costs fall to \$0.083/kWh Nuclear costs increase to \$0.09/kWh



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Sources: IPCC, 1992: Emissions scenarios for IPCC: an update. In: Climate Change 1992: The Supplementary Report to the IPCC Scientific Assessment [J.T. Houghton, B.A. Callander, and S.K. Varney (eds.)]. Section A3, prepared by J. Leggett, W.J. Pepper, and R.J. Swart, and WMO/UNEP. Cambridge University Press, Cambridge, UK, 200 pp.

Note: Approximate conversion factor: 1 barrel = 6 GJ.

19. The six alternative scenarios IS92a-f of 1992.

The projection of future climate change depends partly on the assumptions made about future emissions of greenhouse gases and aerosol precursors and the proportion of emissions remaining in the atmosphere.

In 1992 the IPCC worked out six alternative scenarios termed IS92a-f. These scenarios describe the future development paths in various sectors such as energy, and estimate the emissions of greenhouse gases. This table gives a summary of the assumptions in the six emission scenarios. New scenarios were adopted in 2000. (A graphic depicting the new scenarios will be added later.)

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