

"The Energy Report - 100% Renewable Energy by 2050", February 2011

Scenario by WWF and Ecofys, showing that a transition is not only possible but also cost-effective, providing energy that is affordable for all and producing it in ways that can be sustained by the global economy and the planet. The 1st part seeks to generate a discussion around the comprehensively researched scenario that is presented in the 2nd part, conducted by project partner consultancy Ecofys.

Download the report 256 p. pdf file (16 MB) from WWF's homepage:

wwf.panda.org/energyreport

"Energy [R]evolution: A Sustainable World Energy Outlook", 2010

Scenario by Greenpeace and EREC provides a detailed practical blueprint for cutting carbon emissions while achieving economic growth by replacing fossil fuels with renewable energy and energy efficiency.

Global CO₂ emissions under the Energy [R]evolution scenario would peak in 2015 and drop afterwards. Compared with 1990 CO₂ emissions will be more than 80% lower by 2050 if the energy supply is based almost entirely on renewable energies. By 2050 around 95% of electricity could be produced by renewable energy.

Download the report pdf file (9 MB) from Greenpeace's web site:

http://www.energyblueprint.info/fileadmin/media/documents/2010/0910_gpi_E_R_full_report_10_lr.pdf

"Energy [r]evolution", Greenpeace, 2008

The scenario comes close to a fossil fuels phase-out by aiming for a 80% CO₂ emissions reduction by 2050.

Download the report pdf file (1 MB, 32 pp.) from Greenpeace's web site:

<http://www.greenpeace.org/international/press/reports/energy-revolution-a-sustainab>

"Carbon-constrained scenarios": Cired, Enerdata, Leppii, IDDRI, 2009

Reduction of the world emissions in 2050 from two-thirds to three quarters of the 1990 level.

Download the report pdf file (0.8 MB, 89 pp.) from IDDRI's web site:

<http://iddri.picq.fr/Publications/Rapports-and-briefing-papers/Etude-Scenarios-sous-contrainte-carbone-Rapport-complet>

"Deciding the Future: Energy Policy Scenarios to 2050", World Energy Council, 2007

This study works out 4 general scenarios of the world in 2050, all of them indicating an emission growth.

Download PDF file from the WEC's website: pdf file (1.5 MB, 104 pp.) at:

http://www.worldenergy.org/documents/scenarios_study_online.pdf

"Shell Energy Scenarios to 2050", Shell, 2008

Two scenarios are outlined: The first one "Scramble" is a quite pessimistic one and in the blueprint scenario, global CO₂ emissions would be capped by 2020 and subsequently begin to decline to 2000 levels by 2050.

Download pdf file from Shell's website: pdf file (1.5 MB, 52 pp.)

http://www-static.shell.com/static/aboutshell/downloads/our_strategy/shell_global_scenarios/SES%20booklet%2025%20of%20July%202008.pdf

"World Energy Outlook", International Energy Agency, Annual publication

The 2007 edition includes, among others, the 450 ppm stabilization case, which is analyzed at

<http://www.worldenergyoutlook.org/>

The 2007 edition can be free downloaded as pdf file (7.5 MB, edition 2007) from IEA's web site. Direct link to the 2007 report pdf file (7.4 MB, 674 pp):

<http://www.worldenergyoutlook.org/2007.asp>
http://www.iea.org/textbase/nppdf/free/2007/weo_2007.pdf

"INFORSE Global 100% Sustainable Energy Vision 2050",

By INFORSE, International Network for Sustainable Energy.
Download the Scenario at INFORSE-Europe's website at

<http://www.inforse.org/europe/VisionWorld.htm>