

EE1040: Principles of Sustainable Engineering

View Online



Allen, David T., and David Shonnard, Sustainable Engineering: Concepts, Design, and Case Studies (Upper Saddle River, N.J.: Prentice Hall, 2012)

———, Sustainable Engineering: Concepts, Design, and Case Studies (Upper Saddle River, NJ: Prentice Hall, 2012) <<https://learning.oreilly.com/library/view/-/9780132756563/?ar>>

———, Sustainable Engineering: Concepts, Design, and Case Studies (Upper Saddle River, N.J.: Prentice Hall, 2012)

———, Sustainable Engineering: Concepts, Design, and Case Studies (Upper Saddle River, NJ: Prentice Hall, 2012) <<https://learning.oreilly.com/library/view/-/9780132756563/?ar>>

Azapagic, Adisa, and Slobodan Perdan, Sustainable Development in Practice: Case Studies for Engineers and Scientists, Second edition (Chichester: Wiley-Blackwell, 2011)

———, Sustainable Development in Practice: Case Studies for Engineers and Scientists, 2nd ed (Oxford: Wiley-Blackwell, 2011)
<<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=624644>>

Brooks, Alec, 'Demand Dispatch: Using Real-Time Control of Demand to Help Balance Generation and Load', IEEE Power and Energy Magazine, 2010
<<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5452801>>

Caravanos, Jack, Edith Clark, Richard Fuller, and Calah Lambertson, 'Assessing Worker and Environmental Chemical Exposure Risks at an E-Waste Recycling and Disposal Site in Accra, Ghana', Journal of Health and Pollution, 1.1 (2011), 16–25
<<https://doi.org/10.5696/jhp.v1i1.22>>

Danaei, Goodarz, Stephen Vander Hoorn, Alan D Lopez, Christopher JL Murray, and Majid Ezzati, 'Causes of Cancer in the World: Comparative Risk Assessment of Nine Behavioural and Environmental Risk Factors', The Lancet, 366.9499 (2005), 1784–93
<[https://doi.org/10.1016/S0140-6736\(05\)67725-2](https://doi.org/10.1016/S0140-6736(05)67725-2)>

Department of Energy and Climate Change, 'The Government's Response to the MacKay-Stone Report: Potential Greenhouse Gas Emissions Associated with Shale Gas Extraction and Use - GOV.UK', 2014
<<https://www.gov.uk/government/publications/the-governments-response-to-the-mackay-stone-report-potential-greenhouse-gas-emissions-associated-with-shale-gas-extraction-and-use>>

Dolk, H., M. Vrijheid, B. Armstrong, L. Abramsky, F. Bianchi, E. Garne, and others, 'Risk of Congenital Anomalies Near Hazardous-Waste Landfill Sites in Europe: The EUROHAZCON Study', *The Lancet*, 352.9126 (1998), 423–27
<[https://doi.org/10.1016/S0140-6736\(98\)01352-X](https://doi.org/10.1016/S0140-6736(98)01352-X)>

Ellison, Richard B., Stephen P. Greaves, and David A. Hensher, 'Five Years of London's Low Emission Zone: Effects on Vehicle Fleet Composition and Air Quality', *Transportation Research Part D: Transport and Environment*, 23 (2013), 25–33
<<https://doi.org/10.1016/j.trd.2013.03.010>>

Engineering council, 'Guidance on Sustainability for the Engineering Profession'
<<https://www.engc.org.uk/EngCDocuments/Internet/Website/Guidance%20on%20Sustainability.pdf>>

EPA, 'Hydraulic Fracturing for Oil and Gas: Impacts from the Hydraulic Fracturing Water Cycle on Drinking Water Resources in the United States.', 2016
<https://www.epa.gov/sites/production/files/2016-12/documents/hfdwa_executive_summary.pdf>

Farhangi, H., 'The Path of the Smart Grid', *IEEE Power and Energy Magazine*, 8.1 (2010), 18–28 <<https://doi.org/10.1109/MPE.2009.934876>>

Forestry Commission, 'Hampshire Rural Pathfinder Project: Environmental Impact Assessment', 2018
<http://www.hlsnewforest.org.uk/app/uploads/sites/3/2018/03/Environmental_Impact_Assessment_Report.pdf>

Goldberg, Miriam, 'Measure Twice, Cut Once', *IEEE Power and Energy Magazine*, 8.3 (2010), 46–54 <<https://doi.org/10.1109/MPE.2010.936351>>

Hatziargyriou, Nikos, Hiroshi Asano, Reza Iravani, and Chris Marnay, 'Microgrids', *IEEE Power and Energy Magazine*, 5.4 (2007), 78–94
<<https://doi.org/10.1109/MPAE.2007.376583>>

Hernando, M., M. Mezcua, A. Fernandezalba, and D. Barcelo, 'Environmental Risk Assessment of Pharmaceutical Residues in Wastewater Effluents, Surface Waters and Sediments', *Talanta*, 69.2 (2006), 334–42 <<https://doi.org/10.1016/j.talanta.2005.09.037>>

HM Government, 'Securing the Future Delivering UK Sustainable Development Strategy', 2005
<https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/69412/pb10589-securing-the-future-050307.pdf>

Jones, Roger N., 'An Environmental Risk Assessment/Management Framework for Climate Change Impact Assessments', *Natural Hazards*, 23.2/3 (2001), 197–230
<<https://doi.org/10.1023/A:1011148019213>>

London Array Limited, 'Environmental Statement: Non Technical Summary', 2005
<<https://web.archive.org/web/20200227020913/https://www.londonarray.com/downloads/Non-technical-summary.pdf>>

London assembly environment committee, 'Driving Away from Diesel: Reducing Air Pollution from Diesel Vehicles.'

<<https://www.london.gov.uk/sites/default/files/Driving%20Away%20from%20Diesel%20final%20report.pdf>>

Montalbo, Trisha, Jeremy Gregory, and Randolph Kirchain, 'Life Cycle Assessment of Hand Drying System', 2011

<https://web.archive.org/web/20181223152927/http://environmental-management.ca/lca/LCA_MIT_Hand-Dryers_2011.pdf>

Perlaviciute, Goda, Geertje Schuitema, Patrick Devine-Wright, and Bonnie Ram, 'At the Heart of a Sustainable Energy Transition: The Public Acceptability of Energy Projects', IEEE Power and Energy Magazine, 16.1 (2018), 49-55

<<https://doi.org/10.1109/MPE.2017.2759918>>

'Potential Greenhouse Gas Emissions Associated with Shale Gas Production and Use - GOV.UK'

<<https://www.gov.uk/government/publications/potential-greenhouse-gas-emissions-associated-with-shale-gas-production-and-use>>

Public Health England, 'Review of the Potential Public Health Impacts of Exposures to Chemical and Radioactive Pollutants as a Result of the Shale Gas Extraction Process', 2014

<https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/332837/PHE-CRCE-009_3-7-14.pdf>

The royal academy of Engineering, 'Engineering for Sustainable Development: Guiding Principles', 2005

<<https://www.raeng.org.uk/publications/reports/engineering-for-sustainable-development>>

UNESCO, 'Engineering: Issues, Challenges and Opportunities for Development', 2010

<<http://unesdoc.unesco.org/images/0018/001897/189753e.pdf>>