

EE1040: Principles of Sustainable Engineering

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

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

Allen, D.T. and Shonnard, D. (2012c) Sustainable engineering: concepts, design, and case studies. Upper Saddle River, N.J.: Prentice Hall.

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

Azapagic, A. and Perdan, S. (2011a) Sustainable development in practice: case studies for engineers and scientists. Second edition. Chichester: Wiley-Blackwell.

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

Brooks, A. (2010) 'Demand dispatch: Using real-time control of demand to help balance generation and load', IEEE Power and Energy magazine. Available at:
<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5452801>.

Caravanos, J. et al. (2011) '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), pp. 16–25. Available at: <https://doi.org/10.5696/jhp.v1i1.22>.

Danaei, G. et al. (2005) 'Causes of Cancer in the World: Comparative Risk Assessment of Nine Behavioural and Environmental Risk Factors', The Lancet, 366(9499), pp. 1784–1793. Available at: [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 (2014) The Government's response to the MacKay-Stone report: Potential greenhouse gas emissions associated with shale gas extraction and use - GOV.UK. Available at:
<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. et al. (1998) 'Risk of Congenital Anomalies Near Hazardous-Waste Landfill Sites in Europe: The EUROHAZCON Study', *The Lancet*, 352(9126), pp. 423–427. Available at: [https://doi.org/10.1016/S0140-6736\(98\)01352-X](https://doi.org/10.1016/S0140-6736(98)01352-X).

Ellison, R.B., Greaves, S.P. and Hensher, D.A. (2013) 'Five years of London's low emission zone: Effects on vehicle fleet composition and air quality', *Transportation Research Part D: Transport and Environment*, 23, pp. 25–33. Available at: <https://doi.org/10.1016/j.trd.2013.03.010>.

Engineering council (no date) 'Guidance on sustainability for the engineering profession'. Available at: <https://www.engc.org.uk/EngCDocuments/Internet/Website/Guidance%20on%20Sustainability.pdf>.

EPA (2016) 'Hydraulic fracturing for oil and gas: Impacts from the Hydraulic fracturing water cycle on drinking water resources in the united states.' Available at: https://www.epa.gov/sites/production/files/2016-12/documents/hfdwa_executive_summary.pdf.

Farhangi, H. (2010) 'The Path of the Smart Grid', *IEEE Power and Energy Magazine*, 8(1), pp. 18–28. Available at: <https://doi.org/10.1109/MPE.2009.934876>.

Forestry Commission (2018) 'Hampshire Rural Pathfinder Project: Environmental Impact Assessment': Available at: http://www.hlsnewforest.org.uk/app/uploads/sites/3/2018/03/Environmental_Impact_Assessment_Report.pdf.

Goldberg, M. (2010) 'Measure Twice, Cut Once', *IEEE Power and Energy Magazine*, 8(3), pp. 46–54. Available at: <https://doi.org/10.1109/MPE.2010.936351>.

Hatziargyriou, N. et al. (2007) 'Microgrids', *IEEE Power and Energy Magazine*, 5(4), pp. 78–94. Available at: <https://doi.org/10.1109/MPAE.2007.376583>.

Hernando, M. et al. (2006) 'Environmental Risk Assessment of Pharmaceutical Residues in Wastewater Effluents, Surface Waters and Sediments', *Talanta*, 69(2), pp. 334–342. Available at: <https://doi.org/10.1016/j.talanta.2005.09.037>.

HM Government (2005) 'Securing the future delivering UK sustainable development strategy'. Available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/69412/pb10589-securing-the-future-050307.pdf.

Jones, R.N. (2001) 'An Environmental Risk Assessment/Management Framework for Climate Change Impact Assessments', *Natural Hazards*, 23(2/3), pp. 197–230. Available at: <https://doi.org/10.1023/A:1011148019213>.

London Array Limited (2005) 'Environmental Statement: Non technical summary'. Available at: <https://web.archive.org/web/20200227020913/https://www.londonarray.com/downloads/Non-technical-summary.pdf>.

London assembly environment committee (no date) 'Driving away from diesel: reducing air pollution from diesel vehicles.' Available at:
<https://www.london.gov.uk/sites/default/files/Driving%20Away%20from%20Diesel%20final%20report.pdf>.

Montalbo, T., Gregory, J. and Kirchain, R. (2011) 'Life Cycle Assessment of Hand Drying System'. Available at:
https://web.archive.org/web/20181223152927/http://environmental-management.ca/lca/LCA_MIT_Hand-Dryers_2011.pdf.

Perlaviciute, G. et al. (2018) 'At the Heart of a Sustainable Energy Transition: The Public Acceptability of Energy Projects', IEEE Power and Energy Magazine, 16(1), pp. 49–55.
Available at: <https://doi.org/10.1109/MPE.2017.2759918>.

'Potential greenhouse gas emissions associated with shale gas production and use - GOV.UK' (no date). Available at:
<https://www.gov.uk/government/publications/potential-greenhouse-gas-emissions-associated-with-shale-gas-production-and-use>.

Public Health England (2014) 'Review of the potential public health impacts of exposures to chemical and radioactive pollutants as a result of the Shale Gas Extraction Process'. Available at:
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 (2005) Engineering for sustainable development: Guiding principles. Available at:
<https://www.raeng.org.uk/publications/reports/engineering-for-sustainable-development>.

UNESCO (2010) 'Engineering: issues, challenges and opportunities for development'. Available at: <http://unesdoc.unesco.org/images/0018/001897/189753e.pdf>.