

- Najafpour G.D., Mehdizadeh S.J., Asadi M., Environmental impact of fossil fuel utilization in neka thermal power plant, *International Journal of Engineering, Transactions B: Applications*, 2010;23(2):115–20.
- NEI, Life-Cycle Emissions Analyses - Nuclear Energy Institute [Internet]. Nuclear Energy Institute. Washington, DC, USA; 2014. Available from: <http://www.nei.org/Issues-Policy/Protecting-the-Environment/Life-Cycle-Emissions-Analyses>
- Rajaei M., Tinjum J.M., Case study of wind plant life cycle energy, emissions, and water footprint, *Geo-Congress 2014 Technical Papers*, p. 3536–50.
- REN21, Renewables Global Status Report 2015 [Internet]. Paris Cedex 9, France: Renewable energy policy network for the 21st century; 2015. Report No.: GSR 2015. Available from: http://www.ren21.net/wp-content/uploads/2015/07/REN12-GSR2015_Onlinebook_low1.pdf.
- Saidur R., Rahim N.A., Islam M.R., Solangi K.H., Environmental impact of wind energy, *Renewable and Sustainable Energy Reviews*, 2011;15(5):2423–30.
- Shafiee S., Topal E., When will fossil fuel reserves be diminished? *Energy Policy*, 2009 Jan;37(1):181–9.
- Simas M., Pacca S., Assessing employment in renewable energy technologies: A case study for wind power in Brazil, *Renewable and Sustainable Energy Reviews*, 2014;31:83–90.
- Simbeck D., Beccy D., The CCS paradox: The much higher CO₂ avoidance costs of existing versus new fossil fuel power plants, *Energy Procedia*, 2011;4:1917–24.
- Sovacool B.K., Valuing the greenhouse gas emissions from nuclear power: A critical survey, *Energy Policy*, 2008 Aug;36(8):2950–63.
- Spang E.S., Moomaw W.R., Gallagher K.S., Kirshen P.H., Marks D.H., The water consumption of energy production: an international comparison, *Environ. Res. Lett.*, 2014 Oct 1;9(10):105002.
- Staples M.D., Olcay H., Malina R., Trivedi P., Pearlson M.N., Strzepek K., et al., Water consumption footprint and land requirements of large-scale alternative diesel and jet fuel production, *Environmental Science and Technology*, 2013;47(21):12557–65.
- Uddin M.S., Kumar S., Energy, emissions and environmental impact analysis of wind turbine using life cycle assessment technique, *Journal of Cleaner Production*, 2014;69:153–64.
- Warlick D., Attractive employment potential in the wind power sector, *Oil and Gas Journal*, 2009;107(21):4–7.
- WEC, World Energy Resources: 2013 Survey: World Energy Council [Internet]. London, UK: WORLD ENERGY COUNCIL; 2013. Report No.: 2013 survey. Available from: <https://www.worldenergy.org/publications/2013/world-energy-resources-2013-survey>.
- Wei M., Patadia S., Kammen D.M., Putting renewables and energy efficiency to work: How many jobs can the clean energy industry generate in the US? *Energy Policy*, 2010 Feb;38(2):919–31.
- Whitaker M., Heath G.A., O'Donoghue P., Vorum M., Life Cycle Greenhouse Gas Emissions of Coal-Fired Electricity Generation: Systematic Review and Harmonization, *Journal of Industrial Ecology*, 2012;16(SUPPL.1):S53–72.
- WNA, Comparison of Lifecycle Greenhouse Gas Emissions of Various Electricity Generation Sources. [Internet]. London, UK: World Nuclear Association; 2011. Available from: http://www.world-nuclear.org/uploadedFiles/org/WNA/Publications/Working_Group_Reports/comparison_of_lifecycle.pdf.
- World Bank, Putting a Price on Carbon with a Tax: based on OECD Environment Policy paper, October 2013 [Internet]. Washington, DC 20433 USA: World Bank; 2013. Available from: http://www.worldbank.org/content/dam/Worldbank/document/SDN/background-note_carbon-tax.pdf
- Zeller-Powell CE. Defining biomass as a source of renewable energy: The life cycle carbon emissions of biomass energy and a survey and analysis of biomass definitions in states' renewable portfolio standards, federal law, and proposed legislation. *Journal of Environmental Law and Litigation*. 2011;26(2):367–434.
- Zhang Y., Mckechnie J., Cormier D., Lyng R., Mabee W., Ogino A., et al., Life cycle emissions and cost of producing electricity from coal, natural gas, and wood pellets in Ontario, Canada, *Environmental Science and Technology*, 2010;44(1):538–44.
- Zuwala J., Ziebig A., Estimation of greenhouse gases (GHG) emissions in the course of biomass co-firing in CHP plant by means of LCA (life cycle assessment) methodology. 2011. p. 3705–18.

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