

## MORE TEACHER RESOURCES for RENEWABLE ENERGY

### NREL

<https://www.nrel.gov/docs/gen/fy01/30927.pdf>

R.E.A.C.T. Renewable Energy Activities – Choices for Tomorrow  
Teacher's Activity Guide for Middle Level Grades 6-8

National Renewable Energy Laboratory Education Programs  
1617 Cole Blvd. Golden, Colorado 80401 Tel: (303) 275-3044  
Home page: <http://www.nrel.gov>

70-page Guide with resources and activities. It covers ALL sources of energy with activities as you go along with projects to construct as well.

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Energy Audit for your school

<https://www.nwf.org/~media/PDFs/Eco-schools/Audits/Energy-Audit-2014.pdf>

(Printed out in folder)

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Teacher Guides on CLEANET.org

<https://cleanet.org/clean/literacy/tools/index.html>

(See folder copies)

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Buidling a solar cell using berry dye extracts!!!

[https://www.teachengineering.org/activities/view/uoh\\_organic\\_activity1](https://www.teachengineering.org/activities/view/uoh_organic_activity1)

(see folder)

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JOBS AND SCHOOLS

<https://www.windturbine technicians.net/wind-turbine-technician-schools/>

<https://www.trade-schools.net/environmental/solar-energy.asp>

National Energy Board, "[Market Snapshot: Power generation from large solar farms in Ontario almost doubled in 2016](#)," website last visited on March 15, 2018.

<sup>2</sup> The Solar Foundation, "[National Solar Jobs Census 2017](#)," website last visited on March 15, 2018.

<sup>3</sup> GTM Research, "[10 Trends That Will Shape the Global Solar Market in 2018](#)," website last visited on March 15, 2018.

<sup>4</sup> U.S. Department of Energy, "[U.S. Energy and Employment Report](#)," website last visited on March 15, 2018.

<sup>5</sup> Bureau of Labor Statistics, U.S. Department of Labor, "[Occupational Employment Statistics](#)," website last visited on June 20, 2019.

<sup>6</sup> [PayScale](#), website last visited on April 16, 2018.

<sup>7</sup> [SimplyHired](#), website last visited on March 15, 2018.

<sup>8</sup> U.S. Department of Energy, "[Solar Energy Technologies Office](#)," website last visited on April 23, 2018.

<https://www.cleanenergyauthority.com/solar-training-and-schools>

<https://www.ases.org/resources/solar-trainings/>

Excellent site with articles, training, courses, information!!!!

Removing carbon from atmosphere

<https://www.ases.org/removing-carbon-from-the-atmosphere/>

Wind power

<https://arstechnica.com/science/2019/08/wind-power-prices-now-lower-than-the-cost-of-natural-gas/>

Placing wind turbines in good locations

<https://www.ucsus.org/clean-energy/renewable-energy/environmental-impacts-wind-power>

[1] Denholm, P., M. Hand, M. Jackson, and S. Ong. 2009. [Land-use requirements of modern wind power plants in the United States](#). Golden, CO: National Renewable Energy Laboratory.

[2] National Renewable Energy Laboratory (NREL). 2012. [Renewable Electricity Futures Study](#). Hand, M.M.; Baldwin, S.; DeMeo, E.; Reilly, J.M.; Mai, T.; Arent, D.; Porro, G.; Meshek, M.; Sandor, D. eds. 4 vols. NREL/TP-6A20-52409. Golden, CO: National Renewable Energy Laboratory.

[3] National Renewable Energy Laboratory (NREL). June 14, 2010. [Brownfields' Bright Spot: Solar and Wind Energy](#). Online at [http://www.nrel.gov/news/features/feature\\_detail.cfm/feature\\_id=1530](http://www.nrel.gov/news/features/feature_detail.cfm/feature_id=1530)

[4] Michel, J.; Dunagan, H.; Boring, C.; Healy, E.; Evans, W.; Dean, J.; McGillis, A.; Hain, J. 2007. [Worldwide Synthesis and Analysis of Existing Information Regarding Environmental Effects of Alternative Energy Uses on the Outer Continental Shelf](#). MMS 2007-038. Prepared by Research Planning and ICF International. Herndon, VA: U.S. Department of the Interior, Minerals Management Service.

[5] National Wind Coordinating Committee (NWCC). 2010. [Wind turbine interactions with birds, bats, and their habitats: A summary of research results and priority questions.](#)

[6] Arnett, E.B., M.M.P. Huso, J.P. Hayes, and M. Schirmacher. 2010. [Effectiveness of changing wind turbine cut-in speed to reduce bat fatalities at wind facilities.](#) A final report submitted to the Bats and Wind Energy Cooperative. Austin, TX: Bat Conservation International.

[7] Fish and Wildlife Service (FSW). 2010. [Recommendations of the wind turbine guidelines advisory committee.](#)

[8] Michel, et al. 2007.

[9] Chief Medical Officer of Health of Ontario. 2010. [The potential health impact of wind turbines.](#) Toronto, Ontario: Ontario Ministry of Health and Long Term Care.

American Wind Energy Association (AWEA) and the Canadian Wind Energy Association (CanWEA). 2009. [Wind turbine sound and health effects: An expert panel review.](#)

National Health and Medical Research Council (NHMRC). 2010. [Wind turbines and health: A rapid review of the evidence.](#) Canberra, Australia: National Health and Medical Research Council.

[10] Bastasch, M.; van Dam, J.; Søndergaard, B.; Rogers, A. 2006. [Wind Turbine Noise – An Overview.](#) Canadian Acoustics (34:2), 7–15.

[11] National Renewable Energy Laboratory (NREL). 2012. [Renewable Electricity Futures Study.](#)

[12] Union of Concerned Scientists. [Tapping into Wind.](#)

[13] National Academy of Sciences. 2010. [Electricity from Renewable Resources: Status, Prospects, and Impediments.](#)

[14] IPCC, 2011: [IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation.](#) Prepared by Working Group III of the Intergovernmental Panel on Climate Change [O. Edenhofer, R. Pichs-Madruga, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. Eickemeier, G. Hansen, S. Schlömer, C. von Stechow (eds)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 1075 pp. (Chapter 7 & 9).

