Week 2: Course Project: Annotated Bibliography - Environmental impact

Roman Kovtun

LAS432

DeVry University

~~Copeland, B. (2014, August 1). Clean power to the people. Retrieved from~~ [~~https://www.treehugger.com/htgg/how-to-go-green-alternative-energy.html~~](https://www.treehugger.com/htgg/how-to-go-green-alternative-energy.html)

**~~Summary:~~** ~~Providing Green energy to people is great, but it doesn’t mean that green energy is endless. To switch to alternative energy, we should follow several tips about how to do it. Even though the price for the solar panels are drop, we still need to consider learning what it does and in which way it benefits our household for the next 10-20 years.~~

~~Peter. (2013, April 21). Energy Saving and Energy Conservation Tips and Techniques for Homes. Retrieved from~~ [~~http://www.greenenergysavingtips.com/energy-saving-and-energy-conservation-tips-and-techniques-for-homes/~~](http://www.greenenergysavingtips.com/energy-saving-and-energy-conservation-tips-and-techniques-for-homes/)

**~~Summary:~~** ~~The article talks about how to improve the energy saving and energy conservation by providing the tip to the homeowners. For example, replacing light bulbs with one which uses less electricity and using LED fluorescent and halogen to reduce the amount of consumption. Besides changing the light bulbs, they talk about other things like replacing energy efficient windows, which impact also on the environment, that leaves heat in the room for a while.~~

~~Kinnear, J. (2019, February 25). How Much Do Solar Panels Cost to Install? Retrieved from~~ [~~https://www.solarpowerauthority.com/how-much-does-it-cost-to-install-solar-on-an-average-us-house/~~](https://www.solarpowerauthority.com/how-much-does-it-cost-to-install-solar-on-an-average-us-house/)

**~~Summary:~~** ~~In fact, solar panels are great, but installation is of it, might hit household pockets. Articles talk about ways to save the money on buying and installation of solar panels on the roof of the house. It also explains how the simple solar system builds with, and which components it requires to build it.~~

~~Paul, K. (2016, November 15). What are the key differences between Green, Sustainable, Clean, Renewable, and Alternative Energy Technologies? Retrieved from~~ [~~https://www.quora.com/What-are-the-key-differences-between-Green-Sustainable-Clean-Renewable-and-Alternative-Energy-Technologies~~](https://www.quora.com/What-are-the-key-differences-between-Green-Sustainable-Clean-Renewable-and-Alternative-Energy-Technologies)

**~~Summary:~~** ~~It is always a question which technology greener and which should people use to save planet. The article talks about the difference between major energy type that we use today. Each technology that produces energy described in the short summary of what it does and how it affects environmental in general.~~

Environmental Impacts of Renewable Energy Technologies. (2016). Retrieved from <https://www.ucsusa.org/clean-energy/renewable-energy/environmental-impacts>

**Summary**: The article describes and enlarges the issue of environmental impacts of renewable energy technologies. In addition, the article writes about other technological ways that have more benefits and less harm to nature and climate. For example, the wind power, solar power, geothermal energy, biomass for electricity, and hydropower do less harm on environment comparing to fossil, fuel, oil and natural gas energy sources which can cause pollution, global warming emissions and poison public and wildlife.

**Interesting Quotation:** Even though, green energy is clear, it still have environmental impact, where it states “However, renewable sources such as wind, solar, geothermal, biomass, and hydropower *also* have environmental impacts, some of which are significant.”

**My View:** I support the idea about green energy and the ways of making it realistic, but sometimes it can also leave an unpleasant environmental impact on the earth. The solar panel is great, but land use and habitat loss, though the types of impact it depends on the scale of the system and technology was used.

Vogel, C. (2007). GREEN LIGHT on energy use. (cover story). District Administration, 43(11), 28–34. Retrieved from <http://search.ebscohost.com.proxy.devry.edu:5050/login.aspx?direct=true&db=8gh&AN=27477394&site=ehost-live>

**Summary:** The article talks about the energy usage of US schools and how to guide those schools toward a green environment. Nowadays schools are using a large amount of energy, daily, but when the issue was noticed, schools are trying to use fewer sources that require more energy to improve the environmental impact of school facilities.

**Interesting Quotation:** Vogel C. (2007) talks how the school system is built in one of the paragraph “Th e school’s geothermal system uses 71 heat pumps, four energy heat recovery units and 47 miles of underground pipe to heat and cool the building, using less energy than a conventional system…” (p. 31).

**My View:** In my opinion, every school should include the certification of criteria based on which the energy usage and the environmental impact could be improved.

Kumar, A. (2009). The future of Energy: Clean and Green. Siliconindia, 12(1), 10–11. Retrieved from <http://search.ebscohost.com.proxy.devry.edu:5050/login.aspx?direct=true&db=8gh&AN=36571267&site=ehost-live>

**Summary**: The article reveals the greatest issue of our generation - replacing of utilizing fossil fuel to safer and more rational approaches. In addition, Dr. Amit Kumar writes that fossil fuels have a harmful impact on the environment when biofuels benefit the economical side of the issue and also does not do much harm to the surrounding.

**Interesting Quotation:** According to the article Kumar, A (2009) “While biofuels would require some modification of this infrastructure, it would be substantially less than for a pure electricity infrastructure that might arise from adoption of solar or nuclear technology” (p. 11).

**My View:** I think that fossil fuels do not do much good for human beings nor for atmosphere. The idea of changing bad fuels to biofuels that are derived directly from living matter will save the earth from global warming and other weather cataclysms.

Katz, A. (2008). The Next Generation of LEED. Sustainable Facility, 33(4), 34–36. Retrieved from <http://search.ebscohost.com.proxy.devry.edu:5050/login.aspx?direct=true&db=8gh&AN=33240283&site=ehost-live>

**Summary**: The article writes about an advanced government facility LEED that operates the growth of the greenhouse project. It was designed to improve the successful rating system by incorporating new science and understanding priorities that were set.

**Interesting Quotation:** According to Katz. A (2008) article “… all LEED rating systems for commercial buildings; new, transparent credit weightings based on environmental and human health impacts; a methodology for incorporating bio regionally specific credits: and a two-year development cycle.”

**My View:** Environment is fragile, and buildings that people build are fragile to society too. That is why association like LEED exist to improve the build of the right environment. LEED rating system helps to provide a framework of highly efficient, and cost-saving green buildings.

Fox, T. (2007). Indoor Environmental Quality. Environmental Design & Construction, 10(3), 36–38. Retrieved from <http://search.ebscohost.com.proxy.devry.edu:5050/login.aspx?direct=true&db=8gh&AN=24429630&site=ehost-live>

**Summary:** The article refers to indoor environmental quality. It includes the emission standards and LEED green building rating system for building’s products and materials which may include environmental hazards.

**Interesting Quotation:** According to the Fox. T (2007) “Studies have shown that people who work in green buildings are more productive and take fewer sick days” (p. 36).

**My View:** Green buildings are designed to reduce or even eliminate the negative impact on climate and natural environment. This is a really good way to preserve natural improve our quality of life.