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English 10 – H

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Acid Rain

Fuller, Gary. "Pollutionwatch: reducing sulphur emissions saves lives – and forests." *The Guardian*, Guardian News and Media, 7 Jan. 2018, www.theguardian.com/environment/2018/jan/07/pollutionwatch-reducing-sulphur-emissions-saves-lives-acid-rain.

This article touches on how we focus mainly on climate change, as opposed to acid rain and deforestation as we used to. It goes on to say how important looking at the after-effects such as acid rain should be forefront in the environmental debates. The article points to coal and the insistent lobbying behind coal as the primary cause of the issue. While the article does not directly talk about it, its mentioned in passing that it is against the coal industry, which it points out is a main cause of the issue of acid rain. From this, we can assume that the writer, and the viewers of this article will both likely turn against the coal industry over these issues.

Conca, James. "Nuclear Power Provides A Whole Lot More Than Just Energy." *Forbes*, Forbes Magazine, 16 Jan. 2018, www.forbes.com/sites/jamesconca/2018/01/16/nuclear-power-provides-a-whole-lot-more-than-just-energy/#39dcd1fb5e7e.

The article talks about the many measures we've put into place in an effort to be cleaner in our consumption of energy. Things such as "replacing inefficient lights with light emitting diode fixtures, installing occupancy sensors in office buildings and warehouses, recycling hundreds of tons of plastic, aluminum, paper, cardboard and metal each year, or reducing electrical consumption and fuel use with employee carpooling, installation of electric vehicle charging stations, and removing or replacing purchased gases." The text comes off as an

advertisement for Columbia Generating Station, but it does propose a good solution to the issue and points out the breakthroughs and flaws of such a system. The work being presented by this article is done by the Columbia Generating Station, stated as having the smallest environmental footprint of any other type of power station in America. The power plant would save on money, cutting an estimated \$271 million per year on spending. In addition to that, the station is actually the most efficient energy generator, having set the record last year for most electricity produced by a single plant.

Bressan, David. "Is Air Pollution Causing Landslides In China?" *Forbes*, Forbes Magazine, 20 Dec. 2017, www.forbes.com/sites/davidbressan/2017/12/19/is-air-pollution-causing-landslides-in-china/#609ce19c440b.

In this article, we're told of many landslides in china, and of the likely cause for them: air pollution. In many cases, earthquakes and rain are required to put the land at risk of sliding, but weaker rains have started to erode the limestone, because they have become much more acidic through air pollution. While there aren't any solutions described within the article, the more important thing to note is the toll caused by pollution and its after-effects. The acid rain, which wore down the earth caused 74 deaths in one event. We're still awaiting more data, but this just points to the dangers of pollution and acid rain.

Renwick, James. "Climate change and climate sceptics." *Stuff*, 16 Jan. 2018, www.stuff.co.nz/environment/100614959/climate-change-and-climate-sceptics--a-response-to-doug-edmeades.

The concentration of carbon dioxide in the air has gone up over 40% since we started burning coal. We've been able to measure the change in atmosphere of our earth and this is the biggest change in the earth's atmosphere in at least 3 million years. Just in New Zealand over the last year, temperatures have been recorded as warmer than previous years. In addition to that, the country has started to experience droughts and wildfires. The full satellite

temperature record, and the ground level thermometer record, the ocean temperature record, the sea level record, and the ice-melt record. All tell the same story of significant warming, over the past 20 years, 50 years, 100 years. While again there is no real solution, this article is important to note for its gathering of information and the collection of issues that may not be seen as one whole issue otherwise.