

Author	Disciplinary Perspective	Thesis	Assumption	Theory Name	Key Concept(s)	Method	Phenomena Addressed	Bias
Hamilton, Liming	Economics	"As the wind energy industry continues to grow, it will provide many opportunities for workers in search of new careers. (Hamilton, Liming, 2010, p. 1)	With wind energy growing, the amount of jobs in the field will grow as well.	Supply and demand	Research and Development Jobs (Hamilton, Liming, 2010, p.8)	Pamphlet	Wind energy creating more jobs	New Engineering opportunities create new jobs
Madrid-Vargas	Economics	Electricity provision in isolated rural communities can result in significant socio-economic outcomes. (Madrid-Vargas, 2017, p.2)	Electrical work in rural areas can create more jobs.	Supply and demand	Background on Central America and case studies (Madrid-Vargas, 2017, p.4)	Data Collection	Rural areas can be used for renewable energy	Central America's rural areas can prove good for Community Renewable Energy and create jobs
Tierny, Bird	Environmental	"A 35% generation of solar and wind power would reduce fuel costs by 40%	Wind and solar electricity will reduce CO2 emissions	Environmental studies	Renewables replace fossil fuel energy on the grid (Tierny, Bird, 2020)	Data collection	Reducing CO2 in the air with wind and solar power	Wind and solar energy are good for reducing fossil fuel emissions

		and carbon emissions by 25-45%, comparing it to taking 22-36 million cars off the road” (Tierny, Bird, 2020)						
Tierny, Bird	Environmental	Renewable energy typically emits about 50g or less of CO2 emissions per kWh over their lifetime, compared to around 1000g CO2/kWh for coal and 475g for natural gas. (Tierny, Bird, 2020)	Renewable energy produces less emissions than coal and natural gasses.	Environmental studies	Renewables generate more energy than is used in their production and produce fewer emissions than other power sources over their lifetime. (Tierny, Bird, 2020)	Data collection	CO2 per kWh is more with fossil fuels than renewable	Emissions are less produced with renewable energy
Veers	Mathematical	“Three fundamental drivers have reduced the cost of wind energy to date: increased hub	The dimensions of the turbines reduced the cost of wind energy		Historical development of wind energy science (Veers, 2019, p. 2)	Measurements and data collection	The size of the turbines determines how much the wind energy will cost	Making turbines smaller reduces costs

		height, power rating, and rotor diameter.” (Veers, 2019, p. 3)						
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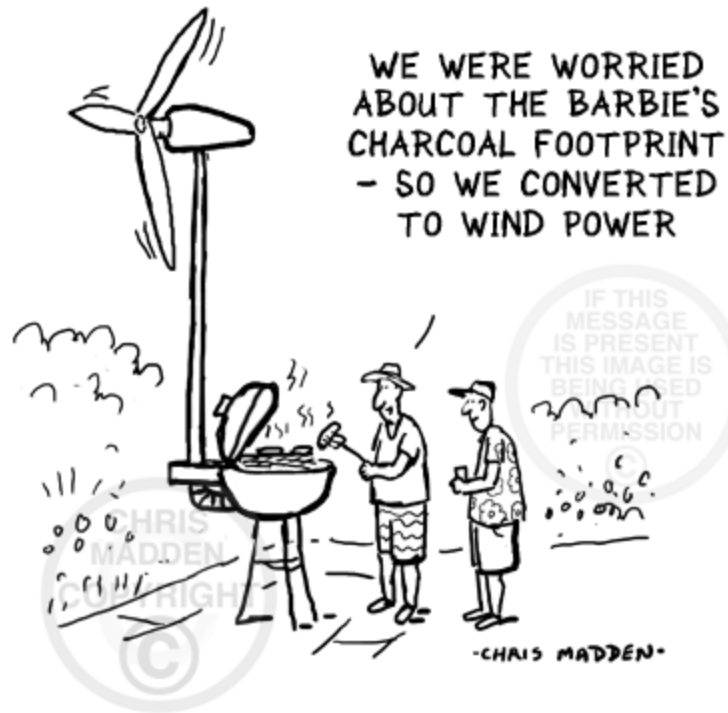
Cited Works:

Hamilton, James, and Drew Liming. “Overview of a Wind-Farm Project.” *U.S. Bureau of Labor Statistics*, U.S. Bureau of Labor Statistics, 10 Sept. 2010, https://www.bls.gov/green/wind_energy/.

Madriz-Vargas, Rolando, et al. “The Future of Community Renewable Energy for Electricity Access in Rural Central America.” *Energy Research & Social Science*, Elsevier, 25 Oct. 2017, <https://www.sciencedirect.com/science/article/abs/pii/S2214629617303432>.

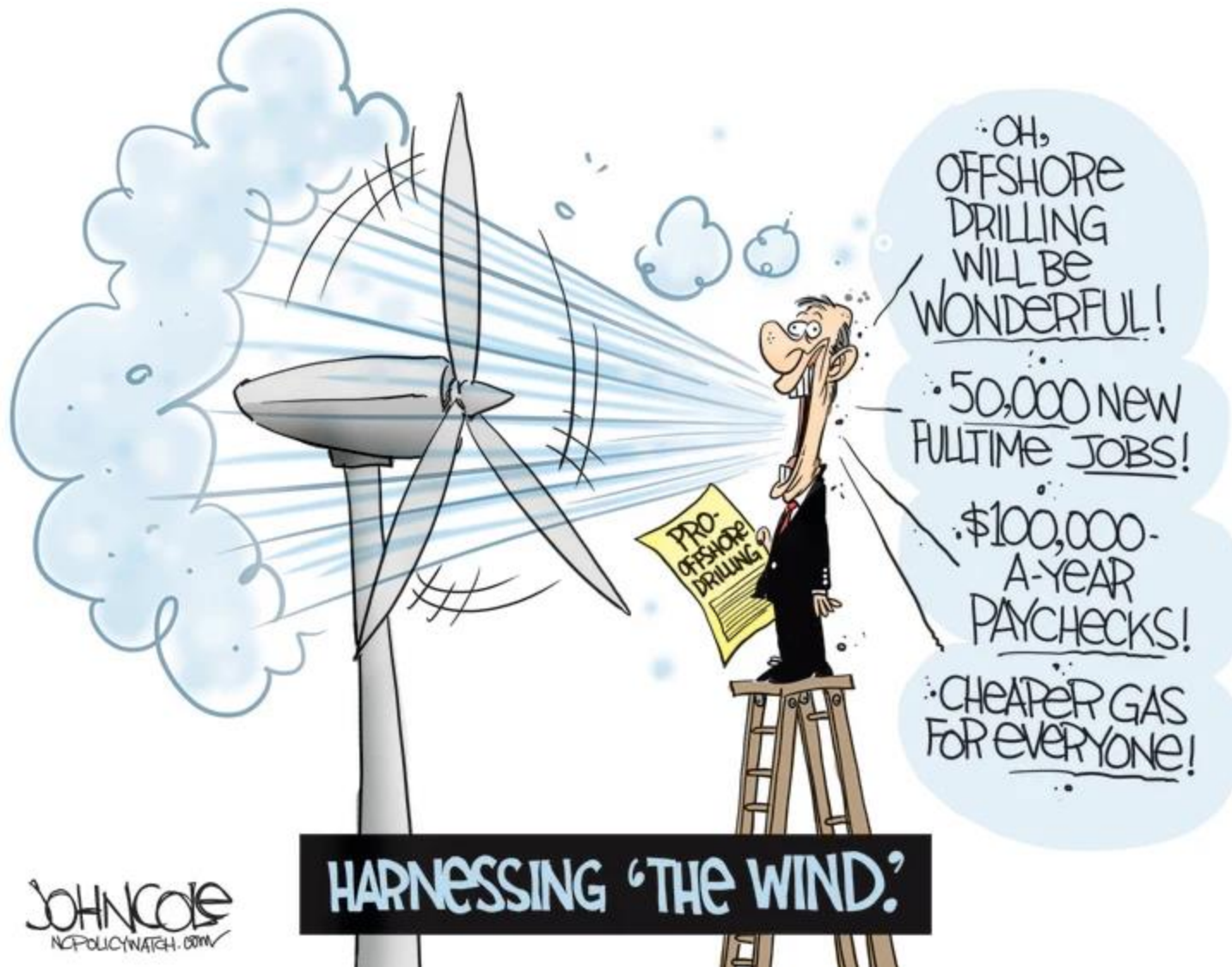
Tierney, Susan, and Lori Bird. “Setting the Record Straight about Renewable Energy.” *World Resources Institute*, 12 May 2020, <https://www.wri.org/insights/setting-record-straight-about-renewable-energy>.

Veers, Paul, et al. “Grand Challenges in the Science of Wind Energy.” *Grand Challenges in the Science of Wind Energy*, Science.org, 25 Oct. 2019, <https://www.science.org/doi/epdf/10.1126/science.aau2027>.



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