

WS1: Project 1 Ideas

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Comments on the podcast and video

As for the podcast, its long, and I didn't listen to the whole thing. The parts I did listen to were talking about the various challenges of turbines and energy costs in Texas and a whole bunch of things that honestly seem irrelevant to me. They speak of the costs of this energy stuff, why don't we stop trying to reduce cost there by engineering stuff and instead get rid of the billions of dollars that are being funneled to immigrants who are just coming to our country, committing fraud, and stealing our tax dollars. This podcast makes renewable energy seem like the end all—be all, but I reality there are far more important, potentially existential issues in our country. The millions of people who were or are pouring in, the islamification of our society. Islam is not good, look at Iran, 40k people massacred because the west-hating regime will do anything to stay in power. Why are we encouraging Islam, why is zoran mandami, a socialist Muslim the mayor of New York!!!?

All that to say, I don't really care about renewable energy stuff right now, I think on a geopolitical scale there are far more important things to worry about than the rising cost of solar panels or how oil prices are more volatile than electricity. Of course they are more volatile, because Iran is trying to cut off the strait of hormuz and the middle east is on the verge of regional war (for the zillionth time)

I have already watched the 3b1b video long ago and yeah, "attention is all you need". Transformers are a super cool way of doing ML and its crazy how a single technological breakthrough can have such massive impacts on every industry and society and education etc. I think Grant Sanderson (The man behind 3b1b) has an amazing gift for animating and explaining complex concepts and I wish he would make more videos as they are so fun to watch.

Locations to explore

I am interested in running the numbers on the port of Seattle as that is where I am from. For a second location I would choose Tacoma as its right next to Seattle and you could compare the two places and see what kind of an impact the different amounts of traffic they get affects the energy demands. I think both Seattle and Tacoma have similar solar and wind capabilities, although now that I think about it, why does this dataset even consider wind as a possibility? There is nowhere to put the windmills anywhere close to Seattle so as far as I'm concerned the "Wind capacity" is zero. The nearest place I know of that wind power is used is in eastern Washington in Ellensburg which is like a 2hr drive away.

Another reason Seattle is interesting energy wise is that during the winter months there is very little sun so you would have to compensate for that and ensure that when you can't use solar you still have a way to get energy. And when you don't have the sun, during the winter, you have the most demand for heat. In essence, when you have the least opportunity to generate energy, you need it the most.

For both Seattle and Tacoma four viable sources of energy are

- Hydroelectric
- Nuclear
- Oil
- Coal
- Hamsters (not very viable)



Figure 1: Prompt: generate a photorealistic image of a hamster energy farm that is powering seattle. There are a ton of hamsters running in hamster wheels and they are all hooked up to an IV that feeds them with liquid food and their hamsters wheels are hooked to electric generators that power the grid