

Discussion- Impacts of Generative AI (Data Centers)

Videos

- The Weather Channel (about 7 minutes): <https://www.youtube.com/watch?v=HDmgFkg3QeI>
- Deutsche Welle (about 13 minutes, more thorough):
<https://www.youtube.com/watch?v=ARF2EhIML54>

Issues:

Planning and Construction

No transparency, local governments giving large tax breaks with no input.

Other issues

- Employment: average between 25 and 100.
- They need availability of power, water, and land- same as the population.

Water consumption issues

- Using up drinking water (some plants needs this)
- Raising the temperature of the water and feeding it back in

Energy consumption issues

- Who's paying for the upgrade of the grid and the new power sources?
- Where are we getting the power from? (The EPA has deregulated itself out of greenhouse gas monitoring). Three mile island is coming back online
- Environmental issues
Noise pollution, returning the water back to the source, output of the cooling equipment running 24/7

Issues about the computer chips

Chips are made from precious metals (mining issues), and chips replaced often increasing electronic waste.