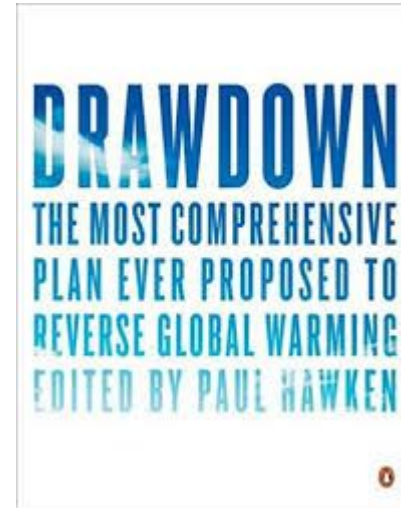


PGC Day 5

Energy//Alternative Energy//Greener

Sources of Information



Source #1 Solar Energy

Pros:

- Solar radiation is clean, free energy that can be harnessed.
- Solar Panels are considered easy and simple to maintain.
- Solar Panels are completely silent and will not disturb the community or environment



Cons:

- Unpredictable weather can cause problems that limit sun exposure.
- The efficiency of solar panels are fairly low.
- Solar Panels are initially expensive to implement.

Source #2 Wind Energy

Pros:

- Wind turbines used to harness wind energy produce no waste or water pollution.
- Less space is needed than a typical power plant for turbines to harness energy.
- Wind turbines can generate energy in remote locations, making it easy to start construction.



Cons:

- The efficiency of wind turbines is fairly low.
- Since wind force can not be controlled, wind energy is fairly unreliable.
- Wind turbine sites can be damaging to the environment, including flying birds and ground habitats.

Source #3 Biomass

Pros:

- Biomass sources are plentiful and easily accessible in the form of food waste, municipal waste, and animal waste.
- Biomass is virtually inexhaustible due to their constant use.
- The implementation of biomass reduces solid waste since it is combusted.



Cons:

- Large area of biomass is necessary to make it efficient.
- Various limits such as climate, geography, and precipitation limit types of biomass.
- Greenhouse gasses are still produced after their application.

Recap

- ❖ I believe the most sustainable long-term source is wind energy. Although their efficiency and reliability is limited, with the advancement of technology and studying wind patterns, especially over the ocean, I believe the implementation of wind turbines will provide sufficient energy while not contributing to pollution
- ❖ One innovative way to improve energy production is by adding bright, noticeable colors and complex additions to the wind turbines to assist animals in the environment from any threats the turbine can possess. I feel strongly about this because the turbines are very dangerous to flying birds and much too often have lethal consequences. Also, if we can adjust their designs to allow animals to live around or inside the turbine farms to prevent the destruction of their habitat.

Social Media Post



An implementation of wind energy as our source of power is important for a sustainable future. Wind turbines give us access to the free, clean energy that comes from the wind currents provided by the Earth's tilted axis. Their construction can take place in any remote location, particularly the ocean, to provide strong currents. Even more, they provide all this energy without creating waste or water pollution. A sustainable future is achievable if we can put effort in switching our power sources to such renewable, clean energy. Turning Green #PGC2017



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I posted on FaceBook to address to the unique community that my friends and family make up. By informing them of the processes and benefits of using wind energy, I hope to inspire them to advocate for the implementation of wind energy in our power sources.