

## Lay Description

Global warming and climate change are significant issues posing many problems across the globe. The continuous burning of fossil fuels causes the amount of greenhouse gasses to increase, being the main factor behind global warming. The pollutants released by fossil fuels are also a factor in various medical-related issues and are prominently found in developing children. Issues include intellectual issues, behavioral problems, and [A2] different terminal illnesses (Perera, 2017). Other environmental issues include sea levels rising, extreme weather events growing in intensity, as well as interruptions in food supplies because of changing weather patterns (Rocha et al., 2022).

Wind turbines are an alternative source of clean renewable energy and are part of the solution to global warming by reducing emissions. One negative side effect of wind turbines is the sound they give off, which can disrupt local ecosystems, and are also disruptive to surrounding communities. As a result, limitations are placed on where wind turbines can be installed, as well as both the number and size of the wind turbines based on the sound pressure levels in nearby neighborhoods (Hoen et al., 2023). Therefore, the maximum capability of wind turbines to produce clean energy is hindered by these regulations.

