




Viridity Energy: The Challenge and Opportunity of Promoting Clean Energy Solutions

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What are Wind Turbines?

Wind Turbines are large structures that generate electricity from the kinetic power of the wind. There are 2 main kinds of wind generators: vertical axis, and horizontal axis.



Function



Uses

Wind turbines are used to power cities and houses. Without these we wouldn't have as much electricity we have today! Although there are other sources of electricity, wind turbines are just another great supplier of an everyday necessity in our modern lives.

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Economic Cost

The economic cost per kW*h in Ontario is 11.5 cent. Compared to other energy forms, this is an extremely cheap source because all you need to pay for is the building of it, and that's all. Other sources require the building, maintenance, and to pay employees to operate.

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Advantages & Disadvantages

Socially **Economically**

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Conclusion

The renewable energy sector has become an exciting, growing and important industry. With the right support, it can become a major source of energy and jobs. We need to support renewable energy instead of relying on non-renewable sources. We need to make sure that the energy industry is sustainable and can provide for future generations.

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Introduction

We all rely on electricity to sustain our everyday lives. In various ways we are able to obtain the needed electricity through renewable and non-renewable energy resources. Wind power is just one of the many examples of natural sources able to create alternative energy to us without the hassle of producing pollution to our very own environment.

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The wind turbine works by the three propellers. As the wind spins the propellers by the uneven pressure on each side pushing the blade like propellers in the same direction around a rotor. The rotor then spins the generator to make the electricity then is connected to the ground and all the other wind turbines and delivers the electricity to houses. Did you know that just one turbine can power 332 houses on average?!

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Advantages & Disadvantages



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Conclusion

The revolution of wind power has impacted our society, economy and environment in very many positive outlets, following with a minimum negative concerns. If we continue to support renewable energy instead of relying on non-renewable sources, we will be able to lead an alternative and healthier future for ongoing generations.

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