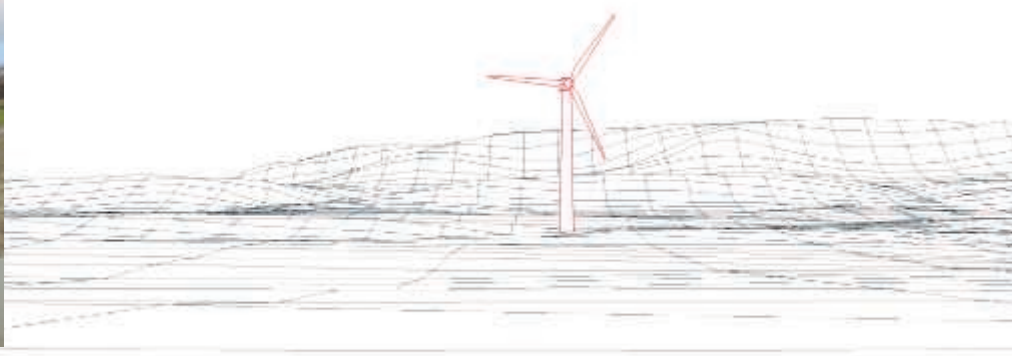
onewind renewables

single wind turbine development for landowners



www.onewindrenewables.com

ONE WIND RENEWABLES offer a ZERO RISK, ZERO COST approach for landowners to develop single, medium sized wind turbines providing you with a diversified income for the next 20-25 years.

Single wind turbine development

The introduction of the Feed in Tariff (FIT) has provided an attractive, guaranteed revenue for small to medium scale renewable energy developments. One Wind Renewables work with landowners to develop and install single wind turbines that qualify for the FIT.

Through working with One Wind Renewables, landowners receive an annual income from the wind turbine without any financial commitment and minimal involvement in the project. The turbine occupies very little space, so farming practices can continue right up to the base of the turbine.

Key Features

- **A guaranteed revenue to the landowner for the next 20-25 years**
- **NO COSTS at any stage of the project; you will not pay for the planning, wind turbine purchase, grid connection, construction, operation or decommissioning costs**
- **Revenue supported by Government FIT scheme**
- **Potential for discounted electricity**
- **Help fight global warming**

Working with landowners

One Wind Renewables work in partnership with landowners to develop single wind turbines usually between 250 and 500 kilowatts (kW).

The process of developing and installing a wind turbine requires the consideration of a number of factors, such as environmental assessments, connection to the electricity grid and wind resource analysis. Using our experience in wind energy, One Wind Renewables and our partners manage the entire process right through to turbine operation and decommissioning.

One Wind Renewables lease an area of land required for the wind turbine and the landowner receives a rental payment linked directly to the revenue of the project; income varies depending on the size of the turbine and wind speed. Payments are linked to inflation (RPI), so they grow over the life of the project and prices are guaranteed by the Government under the Feed in Tariff. What's more, the landowner can benefit from reduced electricity bills by using the electricity generated for their own needs.

We believe this approach to wind energy development is beneficial to landowners; it enables you to continue with your current activities without becoming heavily involved in the time consuming development process or the need to risk any of your own capital on any purchase or development costs associated with the wind turbine.

Wind Power and the Feed in Tariff

- **In April 2010 the UK government introduced the Feed in Tariff Scheme (also known as the FIT or the Clean Energy Cashback Scheme) to encourage the development of a range of small to medium scale renewable energy developments in order to meet renewable energy targets.**
- **The FIT provides financial support to renewable energy projects by providing an index linked (RPI) price for electricity, guaranteed for 20 years.**
- **The UK is committed to a legally binding target of producing 15% of its energy from renewable sources by 2020. This is a seven fold increase in UK renewable energy consumption from 2008 levels. More than two-thirds of this increase is expected to come from wind power.**
- **This increase in renewable energy will not only lower emissions of greenhouse gasses, but is expected to provide £100 billion worth of investment and a huge increase in jobs in the renewable energy sector by 2020.**

Wind turbines

Wind turbines convert the energy in the wind into electricity which is fed directly into the National Grid. Wind power has been harnessed commercially in the UK for over 20 years and there are currently more than 3000 turbines operating in the UK.

One Wind Renewables develop medium sized wind turbines which are approximately 35-40 metres to the top of the tower section (or 'hub') with 15-20 metre long blades. This gives an overall height of around **55 metres to blade tip** when the blade is at its maximum vertical extension; this compares to 120-130 metres for modern large scale commercial sized wind turbines.

Development details

Access Tracks & Hard Standing Area

Any tracks required for access are up to four metres wide and made of crushed aggregate. The location of tracks is agreed with the landowner and once construction is complete, tracks will be allowed to grass over should the landowner no longer require their use.

A hard standing area is required for the safe construction of the wind turbine. The hard standing is made from crushed aggregate and measures approximately 20 x 12 metres. Once construction is complete the hard standing area is also left to grass over.

Switchgear Housing

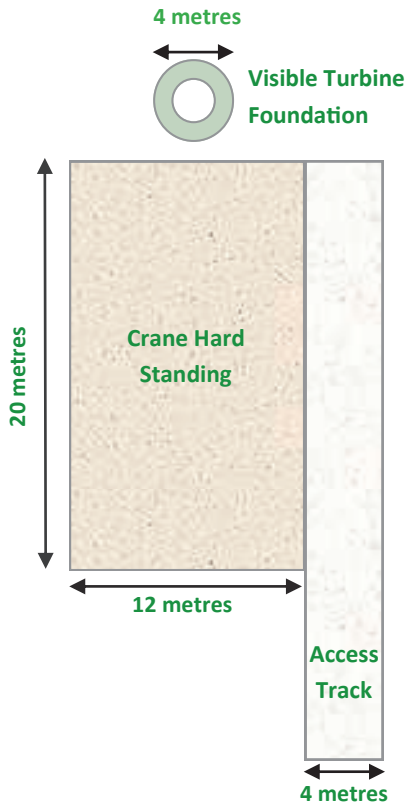
A small on-site switchgear station is required to connect the electricity into the National Grid. All cables specific to the project will be placed underground approximately 1.5m below the surface.

Operation and Decommissioning

During operation the wind turbine requires infrequent maintenance checks. The wind turbine is monitored remotely and the maintenance team is automatically alerted if any faults develop. The wind turbine will operate for 20–25 years after which it will be decommissioned and removed from the site. The foundation is removed down to plough depth.

Foundations

A 12 metre wide concrete foundation is required to support the wind turbine. On completion of construction only the four metre wide turbine base is visible. See the **indicative turbine construction layout** below.



Development process

Site Assessment
- After assessing a site as suitable for a wind turbine, we enter into an agreement with the landowner for an 'Option' to lease the area of land required for a period of 25 years. You receive a payment for entering into this agreement whether or not the project is successful.

Planning
- We formalise a planning application for the wind turbine with no cost to the landowner. We carry out all the necessary assessments to achieve planning permission, such as ecological surveys and visual assessments.

Construction
- We work with our partners to procure and install the wind turbine, overseeing the process through to grid connection and commissioning of the wind turbine.

Operation
- As soon as the wind turbine is operational, payments are made to the landowner for the lifetime of the project. The landowner is not liable for any maintenance or service costs of the development.

Decommissioning
- Once the wind turbine has reached the end of its life, we take the turbine down and re-instate the land to its former condition.

What makes a good site?

- Sites with a good average **wind speed** are required for the efficient working of the wind turbine. The windier the site the more electricity is produced and the greater the revenue of the project.
- We look to locate wind turbines **outside areas of important landscape and ecological designations** such as Areas of Outstanding Natural Beauty (AONBs), National Parks, Special Areas of Conservation (SACs) or Ramsar sites. Ecological and landscape surveying is usually conducted as part of the planning application.
- The electricity generated by the turbine is fed into the National Grid via a suitable **grid connection point**.
- Modern wind turbines are extremely quiet. It is possible to hold a normal conversation directly under a modern turbine without the need to raise your voice. Using computer software we accurately model the noise from the turbine and, by ensuring a large **buffer distance to nearby housing**, any noise from the wind turbine is kept to an absolute minimum and certainly not of a level that would cause annoyance.

Frequently asked questions

What income could I receive from a wind turbine?

The payments you receive are a set percentage of the gross revenue made by the turbine which varies from site to site depending on wind speed and turbine size.

Are there any other financial benefits of your offer?

In addition to the revenue produced by the operational wind turbine, you also receive an Option fee when entering into an agreement with us. We also pay any reasonable legal costs you incur as a result of finalising the land Option.

What funds do I need?

None. One Wind Renewables will fund all costs of developing, building and operating the project. There will even be a payment to you for signing an option with us, even if the project is not successful.

Are there any hidden catches?

There is no catch. If we are successful in the process, income is generated from selling the electricity produced by the wind turbine and you as the landowner receive a share of the revenues that the turbine produces. You may also have the option of buying discounted electricity.

Who owns the Wind Turbine?

The turbine is owned by One Wind Renewables and its partners. We are responsible for any maintenance, servicing and upkeep costs incurred over its lifetime.

Can I still farm my land?

Yes. Normal farming activities can continue right up to the base of the turbine.

Can you use smaller turbines?

We believe the size of turbine proposed is a good balance between the amount of electricity generated and turbine size; sitting comfortably within most landscapes. The turbines we use are less than half the size of modern large scale commercial turbines.

What rights do you have over my land?

We enter into an agreement with you called an 'Option' which enables us to take out a lease over the area of land required for the wind turbine should the project achieve planning permission. If planning permission is not successful then the 'Option' expires after 2 years and we no longer have any right to enter into the land lease.

How long does it take?

It take between 6-9 months to achieve a planning outcome; should this be successful, the turbine procurement, construction and connection to the grid will take a further 6-9 months.

Do you develop solar sites?

Yes, we also work with our partners to develop sites for solar power, using a similar no cost approach for the landowner. A site requires around 30 acres to provide a substantial income for the landowner. Please contact us for more information.

Contact us

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Please also see our website at **www.onewindrenewables.com** for further information

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