

Ventonteague Statement

Following planning permission being granted in October 2015 for a 1.5MW wind turbine at the Ventonteague site (planning reference PA15/02972), Cornwall Council are seeking additional planning approval to allow for a change in the type of wind turbine to be erected at the site.

Cornwall Council have a continued commitment to invest in renewable energy projects and help enhance the Council's low carbon ambitions in line with its Energy Future¹. The proposed development at Ventonteague would also provide direct local benefits with £7.5k per annum for the lifetime of the project being paid into a community fund.

The proposed development will consist of a single wind turbine with an installed rated capacity of up to 2.3MW, a rotor diameter of 70m and a tip height of up to 98.5m. Since the planning consent was granted in 2015, the wind turbine technology available has changed as manufacturers have moved towards larger capacity machines. The wind turbine for the new application has been selected to meet the same overall dimensions of the consented scheme while delivering increased electricity generation and meeting the technical requirements of the project.

Constraints on the electricity network in Cornwall have prevented the site from being developed to date, however, a grid connection solution has now been proposed by Centrica as part of the Cornwall Local Energy Market which will allow the Ventonteague site to be developed until full independent export to the grid can be achieved. The grid connection solution utilises innovative technology to enable the export of electricity through 'spare' or under-used capacity at the nearby Carland Cross Wind Farm. To take advantage of this solution the wind turbine needs to fulfil certain technical requirements and this is one of the key drivers for the change of wind turbine at Ventonteague.

The proposed development has been subject to a screening opinion (PA18/05157) which determined that EIA was not required. The impacts of the wind turbine are considered to be the same or even reduced when compared with the consented scheme.

Full details of selected wind turbine and potential impacts will be presented in an Environmental Report as part of the planning submission. Local residents and stakeholders will have the opportunity to comment on the proposed development through the St Erme Parish Council's website and also on the Cornwall Council planning portal.

	Planning Consent (PA15/02972)	Proposed Development
Candidate Wind Turbine	<i>Acciona AW77</i>	Enercon E70
Installed rated Capacity	<i>1.5MW</i>	2.3MW
Location (British National Grid)	<i>183022, 053375</i>	183022, 053375
Rotor Diameter	<i>77.0m</i>	70.0m
Hub Height	<i>60.0m</i>	63.0m
Tip Height	<i>98.5m</i>	98.0m
Estimated Potential annual production	<i>4,901,220 kWh</i>	6,447,360 kWh
Annual CO² emission Savings	<i>2,108 tonnes</i>	2,772 tonnes

¹ <http://www.cornwall.gov.uk/media/28081952/energy-future-graphic-ian17.pdf>