## WIND ENERGY AT MEALL BUIDHE

The Meall Buidhe Wind Farm would contribute to the growth of Scotland's largest renewable energy technology by developing 9 wind turbines.

- > The wind turbines proposed would generate electricity for a period of at least 25 years
- Each wind turbine would have a generating capacity of up to 5MW
- Based on a 27% capacity factor (UK average), a 5MW wind turbine would generate 11,826 MWh\* of electricity each year
- Based on the installation of 5MW wind turbines, the development would generate sufficient electricity to meet the average annual demands of approximately 30,913 households\*\*

\*1MWh is equal to 1000kWh. For example, 1kWh is the approximate equivalent to doing 1 load of laundry in a washing machine.

\*\*Figures based on the average domestic electricity consumption in Scotland (3,443kWh) in 2018 published in December 2019 by the Department for Energy and Climate Change in the report 'Subnational gas and electricity consumption statistics' and the average UK capacity factor of 27%.



## Candidate turbine specifications

Aerial elevation of Enercon E126 wind turbine