

# Teviot Wind Farm

## Environmental Impact Assessment (EIA)

In developing our updated proposals for Teviot Wind Farm, we have carefully considered the impact on the environment. An Environmental Impact Assessment Report (EIA-R) will be prepared as part of the Section 36 application to the Scottish Government. The EIA-R will identify the likely significant environmental effects that the proposal may have, and specify how any potential effects can be avoided, reduced, mitigated or managed. The previously submitted Scoping Report details the proposed approach to each technical assessment and the findings of desk/field surveys undertaken to date, and can be found here: [www.muirhallenergy.co.uk/teviot](http://www.muirhallenergy.co.uk/teviot).

### Landscape & Visual Amenity

A Landscape and Visual Impact Assessment (LVIA) will be included in the EIA. This will assess the likely effects of the project on local landscape and visual amenity, including from selected viewpoints, settlements and routes. It will also include a Night-time Lighting Assessment and a Residential Visual Amenity Assessment (RVAA).

### Ornithology

The EIA will include an assessment of the impact of the proposals on designated biodiversity sites relevant to bird populations, including legally protected species and other notable birds of high nature conservation value which may be breeding nearby. Any necessary mitigation and enhancement measures will also be identified in the assessment.

### Noise

The EIA will assess construction and operational noise resulting from the proposals, including traffic noise, mechanical noise produced by internal components and aerodynamic noise produced by the blades. The EIA will also include a cumulative noise assessment to consider the impact of noise from other nearby wind farms in addition to Teviot Wind Farm.

### Traffic and Transport

Potential traffic related environmental effects, such as delays, impacts on pedestrian journeys, and accidents and safety, will be considered in the EIA and assessed for the construction period where traffic generation will be greatest. Cumulative traffic and transport effects will also be assessed where the construction of Teviot Wind Farm could overlap with other known projects using the same road network.

### Historic Environment

The EIA will assess the potential direct, indirect and cumulative impacts on designated and non-designated historic assets of local, regional and national and international importance from construction and operation. Such assets may include historic settlements and Archaeological Sensitive Areas.

### Geology, Hydrology and Hydrogeology

The EIA will include assessment of the effect of the project on geology, hydrology (including flood risk) and hydrogeology (groundwater). The assessment will also include an assessment of the cumulative impact of the proposals with other wind farm developments, as well as necessary mitigation measures.

### Shadow Flicker

Shadow flicker occurs when turbines cause a flickering effect inside a building where sunlight passes through a window or door. While shadow flicker should not be a problem due to the distance of the turbines from properties, if any properties were to be located within a 130-degree segment to the turbines then they will require to be assessed for shadow flicker.

### Socio-Economics, Tourism and Recreation

The EIA will consider the project's effects on the local, regional and national economy, tourism and recreation interests. Benefits and effects on local communities will also be fully assessed, including investment opportunities being proposed.

### Ecology

The EIA will include an ecological impact assessment which will consider the potential impacts of the proposals on important ecological features (such as designated biodiversity sites, important habitats and legally protected and controlled species) during construction and operation. Any necessary mitigation and enhancement measures will also be identified in the assessment.

### Other Issues

The EIA will also assess the effects of the proposals on other areas, such as aviation, telecommunications, solar glint and glare and climate change.

