

Briskalagh Renewable Energy Development- Harvest Management Plan

Proposed Felling & Reforestation Methods	
Thinning (incl. CCF)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Harvester <input type="checkbox"/> Chainsaw <input type="checkbox"/> Forwarder <input type="checkbox"/> Tractor/Quad <input type="checkbox"/> Skyline <input type="checkbox"/> Other (specify):
Clearfelling	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Harvester <input checked="" type="checkbox"/> Chainsaw <input checked="" type="checkbox"/> Forwarder <input type="checkbox"/> Tractor/Quad <input type="checkbox"/> Skyline <input type="checkbox"/> Other (specify):
Reforestation	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Windrowing <input type="checkbox"/> Pit planting <input type="checkbox"/> Mounding <input type="checkbox"/> Scrap mounding <input type="checkbox"/> Scarification <input type="checkbox"/> Other (specify):
Site access (i.e. via forest road)	<input type="checkbox"/> Present <input checked="" type="checkbox"/> Planned <input type="checkbox"/> Not required <input type="checkbox"/> Other (specify)

Social & Environmental Features & Considerations		
Social	Habitat & Biodiversity	Soil & Water
<input type="checkbox"/> Recreational usage	<input type="checkbox"/> Designated area (SAC, SPA, etc.)	<input checked="" type="checkbox"/> Aquatic zone(s) on/adjoining site
<input type="checkbox"/> Adjoining dwelling(s)	<input checked="" type="checkbox"/> Broadleaves/diverse conifers	<input checked="" type="checkbox"/> Relevant watercourse(s)
<input type="checkbox"/> Right(s)-of-way present	<input checked="" type="checkbox"/> Hedgerows	<input type="checkbox"/> Water-related 'hotspots'
<input type="checkbox"/> Utilities (power lines/water main)	<input type="checkbox"/> Old/veteran trees	<input type="checkbox"/> Water abstraction point
<input type="checkbox"/> Sensitive landscape	<input type="checkbox"/> Large scale deadwood	<input type="checkbox"/> Peaty or peaty/gley
<input type="checkbox"/> Important viewpoint(s)	<input type="checkbox"/> Badger sett, rookery, etc.	<input type="checkbox"/> Steep slope(s)
<input type="checkbox"/> Archaeological site(s) & feature(s)	<input type="checkbox"/> Protected fauna	<input checked="" type="checkbox"/> Water setback(s) present & intact
<input type="checkbox"/> Cultural feature(s)	<input type="checkbox"/> Protected flora	<input type="checkbox"/> Supply of brash limited
<input type="checkbox"/> Anti-social (dumping, fire, etc.)	<input type="checkbox"/> Wetland habitat	<input type="checkbox"/> Other:
<input type="checkbox"/> Other (specify):	<input type="checkbox"/> Other (specify):	<input type="checkbox"/> Other:

Proposed Measures to Protect Social & Environmental Features & Considerations	
<input type="checkbox"/> Consult with local residents	<input type="checkbox"/> Establish excl. zones around arch. sites/features
<input checked="" type="checkbox"/> Erect safety signage	<input checked="" type="checkbox"/> Temporary bridging points (TBPs) required
<input checked="" type="checkbox"/> Onsite briefing of all operators, pre-commencement	<input type="checkbox"/> Install water setback at refor.
<input checked="" type="checkbox"/> Carefully selected refuelling/repair/storage depot	<input type="checkbox"/> Install dwelling setback at refor.
<input checked="" type="checkbox"/> Measures to protect right(s)-of-way	<input type="checkbox"/> Install public road setback at refor.
<input type="checkbox"/> Measures to protect service features	<input type="checkbox"/> Install archaeological setback at refor.
<input type="checkbox"/> Measures to protect habitats & biodiversity features	<input type="checkbox"/> Install biodiversity setback at refor.
<input checked="" type="checkbox"/> Limit operations to dry weather	<input type="checkbox"/> Install landscape setback at refor.
<input checked="" type="checkbox"/> Daily visual monitoring of ground conditions	<input type="checkbox"/> Inclusion of Refor. Objective 'CCF'
<input checked="" type="checkbox"/> Daily visual monitoring of water	<input type="checkbox"/> Inclusion of Refor. Objective 'BIO'

Proposed Measures to Protect Social & Environmental Features & Considerations (Cont..)

<input checked="" type="checkbox"/> Water sampling	<input type="checkbox"/> Forest edge planting
<input checked="" type="checkbox"/> Install silt traps/barriers	<input type="checkbox"/> Environmental setback planting
<input checked="" type="checkbox"/> Drain blocking/slow-water dams	<input type="checkbox"/> Other (specify)
<input checked="" type="checkbox"/> Utilise brush mats along extraction routes	<input type="checkbox"/> Other (specify)
<input checked="" type="checkbox"/> Exclude machinery in areas adjoining aquatic zones, water abstraction points & water-related 'hotspots'	<input type="checkbox"/> Other (specify)

Ancillary Information (include relevant information to expand on above & to detail important aspects such as the sequencing of operations, the width of environmental setbacks & contingency planning. Ensure accurate cross-referencing and consistency with maps) *

Harvesting Plan

Where possible, harvesting and extraction processes will be undertaken during dry periods, to limit surface water run-off. Proposed machinery will comprise a harvester and a low-ground pressure forwarder with a 14-tonne bunk capacity.

Temporary bridge will be used where necessary as indicated on attached map. Brush mats will be used along all extraction routes, with corduroy rafts deployed to reinforce short sections of soft ground subject to high traffic usage. Following tree felling operations, brush material will be removed off- site and disposed of appropriately to a suitable location. The extraction directions are marked with red arrows on the Harvest Plan Map. The proposed wind farm access road will be used for access and haulage exit to L-5024-23 and then follow the public road.

Onsite supervision will be present during operations to ensure that felling and extraction operations are carried out appropriately and that water protection measures are adequate and remain effective throughout, and to trigger contingency measures, if necessary (e.g., to cease operations if rainfall creates a risk of sediment mobilisation and runoff).

Silt trap will be installed within relevant watercourse (RW), at a location indicated on the Harvest Plan Map. The silt trap will be monitored and maintained throughout the period of works and for a period afterwards until the site has stabilised. Additional traps may be placed along the edge of the adjacent aquatic zones (AZs), in locations where surface run-off may be possible.

Particular attention will be paid to minimizing disturbance to ground surfaces, drains /streams, and biodiversity features. 5m buffer zones will be established either side of the RWs within which there will be no traversal of machinery permitted. Similarly, 10m buffer zones will be established either side of AZs. If additional RWs are identified during the works, these will be dealt with the same way. Fully trained, experienced forest contractors will be selected for the felling operation.

All harvesting operations to comply with the *Forest Harvesting and the Environment Guidelines* and *Forestry and Water Quality Guidelines*.


***See also Forest Harvesting and the Environment Guidelines for further information**


Briskalagh Renewable Energy Development
Harvest Management Plan





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Legend


 Site of FL Application


 Public Road


 Existing Road/Track


 Proposed Windfarm Road


 Aquatic Zone (AZ)(Stream/River)


 Relevant Watercourse (RW)(Forest Drain)


 Machine Setbacks (10m AZ, 5m RW)


 Hedgerows

 Timber Extraction Direction

 Stacking Area

 Temporary Bridging point

 Silt Trap

 Archaeology

Briskalagh Renewable Energy Development
Harvest Management Plan



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- Legend**
- Site of FL Application
 - Public Road
 - Existing Road/Track
 - Proposed Windfarm Road
 - Site Access Point
 - Timber Extraction Direction
 - Site Compound/ Fuel Storage Area