

**From:** Chris Bremner  
**Sent:** 5 Jun 2015 16:11:23 +0100  
**To:** Nicola Arnott  
**Cc:** Luke Milner;Richard Haworth;Catherine Stewart  
**Subject:** Re: Ledcharrie hydro waiving of conditions  
**Attachments:** 20150605 Ledcharrie Planning Condition Record.docx, 20150605 Ledcharrie Ecological Scope of Works.pdf

Good afternoon Nicola,

Following on from the emails below I'd like to touch base and outline our initial thoughts on the discharge of the planning conditions. Attached is a Planning Condition Record sheet and we've highlighted where we would like some more clarity on certain conditions. We are clear on most conditions but in order to progress things smoothly and efficiently some early guidance would be much appreciated. I've left it as a Word document so you can provide responses in the table but we're happy to take feedback on how you would prefer to track discussions.

You'll note at Serial 1 that we would like to design the CMS as the core guidance document for the project, with individual mitigation plans held within it or as Annexes. It is an approach that we have used elsewhere and works well for providing clarity to the contractor and all involved in the project but please let us know if you would prefer a different format or approach. We can forward an outline CMS structure to illustrate this.


Also attached is an Ecological Scope of Works to address Condition 16. We would like to get this element agreed as soon as possible to enable us to appoint an ECoW to support us with some of the detailed planning to address the remainder of the conditions. Please let me know if you need any further details.

Meeting options for us over the next few weeks: Fri 12, Thu 18 and Fri 19 Jun could work but let me know when suits you best and where you would prefer to meet.

Hope all this makes sense and we look forward to hearing from you.

Kind regards,

Chris



On 5 Jun 2015, at 10:22, Catherine Stewart <[catherine.stewart@lochlomond-trossachs.org](mailto:catherine.stewart@lochlomond-trossachs.org)> wrote:

Luke

Thank you for your email. Apologies about the delay in response regarding the proposed non-material variations to the scheme, however my colleague Fiona Stewart is still assessing the changes.


In terms of commencing work on the discharge of conditions I think that a meeting would be helpful. My colleague Nicola Arnott leads on conditions discharge. She can liaise with Chris to set up a meeting.

Please can you give us an indication of when you proposed to commence works on site? As you will be aware the conditions discharge will take time and we have quite a number of hydro applications commencing works this year. It would therefore be helpful to know this in order to programme our workload and that of our specialist adviser team.

regards

Catherine

**Catherine Stewart**  
**Planner - Development Management**  
**Working days - Tuesday, Wednesday, Thursday (AM), Friday (AM)**  
**Loch Lomond & The Trossachs National Park**  
Direct Dial: 01389 727731  
<image001.jpg>

**From:** Luke Milner [<mailto:>   
**Sent:** 04 June 2015 17:23  
**To:** Catherine Stewart  
**Cc:** 'Chris Bremner'; 'Richard Haworth'  
**Subject:** Ledcharrie hydro waiving of conditions

Dear Catherine

In parallel with our design tweaks for the Ledcharrie hydro scheme, one of my colleagues, Chris Bremner, has commenced the process of waiving the planning conditions. I have copied him in above.

On other schemes we have found it very useful to have a meeting with the planning officer early in the process to ensure we are efficiently meeting your expectations. I wonder if we might be able to schedule something. I could also answer any queries you might have on the variations I have sent through.

Kind regards,

Luke Milner  
Glen Hydro  
<image002.jpg>  
[www.glenhydro.co.uk](http://www.glenhydro.co.uk)

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## Ledcharrie – Hydro Scheme

### Planning Condition Record

Document Number D045-105-1

Revision 1.0

#### Version Record

| Version | Date       | Comment     |
|---------|------------|-------------|
| 1.0     | 05/06/2015 | First issue |
|         |            |             |
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## **BACKGROUND**

This document relates to a proposed 500kw hydro scheme at Ledcharrie Farm, Crianlarich. The original planning application, number 2013/0047/DET was submitted by Campbell of Doune Ltd on behalf of the landowner, Auchlyne Estates. Planning Permission was granted by Loch Lomond and the Trossachs National Park Authority on 20 December 2013.

The scheme is now being developed for the landholder by Glen Hydro Development Limited. After detailed design review Glen Hydro have proposed some minor changes to the layout as submitted in the original planning application. Correspondence with the LL&TNPA Development Management staff is ongoing to confirm this planning variation (May 2015).

This document aims to provide a record of discussion between Glen Hydro and the planning authority on the clearing of the planning conditions contained in the Decision Notice issued on 20 December 2013.

## **GUIDANCE NOTES**

The initial comment from Glen Hydro in the table below provides some background to our proposed approach to addressing the Planning Conditions. We are keen to get early agreement on an approach that meets the requirements of key stakeholders and ensures smooth progress with development.

Issues requiring early clarity from the Planning Authority are highlighted in yellow.



**PLANNING CONDITION RECORD**

| Serial | Condition  | Glen Hydro Comment   | Planning Comment |  | Notes |
|--------|--|--|------------------|--|-------|
| 1      | <b>Detailed Construction Method Statement (CMS):</b> Prior to commencement of construction of the development hereby approved, a detailed Construction Method Statement (CMS), which sets out how the construction phases of the development will be managed, shall be submitted to, and approved in writing by, the Planning Authority. In particular, the final CMS shall cover the following: | Understood. We will prepare a comprehensive CMS to address all points in Condition 1. We propose that key plans are contained as Annexes and will provide an early draft structure of the CMS to ensure it will meet the requirements of the planning authority and other statutory bodies.<br><br>Can you confirm that you are content this is all contained in one core document with key plans held as Annexes so they can be read 'stand-alone'? |                  |  |       |
| 1a     | Detailed construction methods for all aspects of the scheme (temporary and permanent access tracks, site compounds, intakes, pipeline, tailrace, powerhouse);  | Understood. To be core part of CMS.  |                  |  |       |
| 1b     | Pollution prevention safeguards and sedimentation safeguards;  | Understood. Section within CMS.  |                  |  |       |
| 1c     | Storage and disposal of materials;   | Understood. Section within CMS.  |                  |  |       |
| 1d     | Construction site facilities including the location of construction site huts, vehicle equipment, materials storage and location of parking area(s) for construction workers;  | Understood. Section within CMS.  |                  |  |       |
| 1e     | Plant requirements;  | Understood. Section within CMS (generic at this stage, detailed if   |                  |  |       |

| Serial | Condition  | Glen Hydro Comment   | Planning Comment |  | Notes |
|--------|--|--|------------------|--|-------|
|        |  | required once contractor appointed).   |                  |  |       |
| 1f     | Duration, timing and phasing of works, including key intervention points for the Ecological Clerk of Works (ECoW) and landscape advice;  | Clarification required. ECoW engagement will also be captured in Ecological Scope of Works (see 16), however, what landscape advice is required? |                  |  |       |
| 1g     | The width of the working corridor that construction works will be confined to (shown on a plan);   | Understood. Detailed plan to be added to CMS.  |                  |  |       |
| 1h     | Detailed landscape mitigation and restoration techniques for the entire route with specific focus on the route of the pipeline/temporary and permanent access tracks;          | Understood. Section within CMS.  |                  |  |       |
| 1i     | Landscape mitigation measures as set out in Landscape and Visual Impact Assessment Volume 2: Appendices;   | Understood. Section within CMS, combined with 1(h), using LVIA Assessment Volume 2, Appendix 2 <i>Schedule of Agreed Mitigation Measures</i> .   |                  |  |       |
| 1j     | Detailed habitat mitigation and restoration targets;   | Understood. Section with CMS.  |                  |  |       |
| 1k     | Treatment of peats and turves;   | Understood. To be covered in detail in the Turve Management Plan (see Condition 3) – and included as Annex.                                      |                  |  |       |
| 1l     | Species protection plan including mitigation for otter (including the provision of temporary ramps in trenches and the capping of pipes at the end of a working day) and bats; | Understood. Section within and supporting Annex(es) to the CMS.  |                  |  |       |

| Serial | Condition  | Glen Hydro Comment  | Planning Comment |  | Notes |
|--------|--|---|------------------|--|-------|
| 1m     | Details of toolbox talk for bats and otters to ensure all personnel are aware of what to do should evidence of bats or otters be discovered during construction of the hydro scheme;   | Understood. Section within and supporting Annexes to the CMS.   |                  |  |       |
| 1n     | Public Access Management Plan with additional detail on measures designed to minimise the detrimental effect on public access and to ensure public access is maintained including: warning signage content and locations; diversionary signage content and strategy; use of banks men (where appropriate); use of short /localised diversions; timing of works and techniques and specifications for path reinstatement; | Understood. Section within and supporting Annex to the CMS.   |                  |  |       |
| 1o     | Flush Protection Plan which will ensure that there is minimal intrusion of the spring fed NVC communities (namely M10, M11, M32 and M37);  | Understood. Section within and supporting Annex to the CMS.   |                  |  |       |
| 1p     | A plan to prevent further spread of New Zealand Willowherb, including mapping the location of this species;  | Clarification Required. Do you require the entire site to be surveyed again for New Zealand Willowherb or for its locations to be mapped if found pre-construction on the tracks, pipeline, intake structures and powerhouse? |                  |  |       |
| 1q     | Pipeline reinstatement plan, including the reinstatement of turves within one growing season;  | Understood. Section within CMS, combined with 1 (h) and 1 (i).  |                  |  |       |
| 1r     | Sediment management plan covering the whole site, including contingency plan for wet   | Understood. Section within the CMS.   |                  |  |       |





| Serial | Condition  | Glen Hydro Comment  | Planning Comment |  | Notes |
|--------|--|---|------------------|--|-------|
|        | weather to ensure that extra sediment does not enter the watercourse;  |   |                  |  |       |
| 1s     | Peat protection plan which shall include detail on peat management and floating tracks to ensure that areas of 500mm or over are retained;   | Understood. Section within and supporting Annex to the CMS. Also link to Turve Management Plan (Condition 3).   |                  |  |       |
| 1t     | Turve management plan which will ensure that all NVC types are reinstated in their original location. This shall include a habitat map clearly showing areas of GWDTE and areas of deep peat; and  | Understood. To be covered in detail in the Turve Management Plan (see Condition 3) – and included as Annex.   |                  |  |       |
| 1u     | Hours of operation on site.  | Understood. To be noted in CMS.   |                  |  |       |
|        | Unless otherwise agreed in writing by the Planning Authority, all works shall be carried out in accordance with the approved Construction Method Statement.  | Understood. It is our intention to use the final approved CMS as the core document to provide all works information and guidance required on site by contractors.   |                  |  |       |
| 2      | <b>Construction Time Period:</b> The development shall be undertaken in one continuous phase, with no partial Implementation. Unless otherwise agreed in writing by the Local Planning Authority, all construction activities shall be completed within a 24-month period taken from the start date provided to the Local Planning Authority in accordance with the Notice of Initiation of Development (see Informative No. 2 of this decision notice) and having regard to any other limitations on work periods set out in Conditions 4, 5, 7, 8 and 14 below). | Understood. It is our intention to conduct all construction activities within a 24-month period. The CMS will contain further detail on the proposed timeline, including the limitations set out in Conditions 4, 5, 7, 8 and 14. |                  |  |       |

| Serial | Condition  | Glen Hydro Comment   | Planning Comment |  | Notes |
|--------|--|--|------------------|--|-------|
| 3      | <p><b>Treatment of Peat and Turves:</b> Prior to the commencement of development a turve management plan for the whole site shall be submitted and approved by the Planning Authority. This shall include details of:</p> <ul style="list-style-type: none"> <li>☑ The storage and management of the different habitat types and turves of different sizes and depths; and</li> <li>☑ Coding of habitats to ensure habitat turves are reinstated in the correct areas.</li> </ul> <p>The details to be provided under Condition 1(k) shall require the pipeline route to be exposed in short sections only (to be defined and agreed under condition 1(a)) and turves associated with the construction of the pipeline shall be stored for a maximum of two weeks.</p> | <p>Understood. A detailed Peat and Turve management plan will cover this condition and also 1(k) and 1(t).</p> <p>It is our intention to only expose limited sections of pipeline route at a time (c200m, but to be confirmed in the final CMS) and that turves associated with this work would be stored for significantly less than two weeks.</p> |                  |  |       |
| 4      | <p><b>Fish:</b> Timing of in-stream works: In-stream works shall only take place June to October (inclusive).</p>  | <p>Clarification required. The SEPA CAR licence CAR/L/1107772 states at Schedule 3.3.5 and Schedule 4.1.5: 'Construction works shall not take place between 1st and 30th November in any year'.</p> <p>Can you confirm which restriction applies?</p>  |                  |  |       |
| 5      | <p><b>Flushing of Sediment:</b> Flushing of sediment from the intake weir including coanda screens shall be flushed monthly with no silt flushed during the fish spawning season of November to May (inclusive). If there is a need for</p>  | <p>Clarification required. Our usual approach, which is done with SEPA agreement, is to allow silt to flow naturally over the top of the intake weir if a silt build up occurs. We</p>   |                  |  |       |

| Serial | Condition   | Glen Hydro Comment  | Planning Comment |  | Notes |
|--------|---|---|------------------|--|-------|
|        | <p>emergency works during this period, this shall be approved in writing in advance by the Local Planning Authority.</p>  | <p>intend to use a Coanda screen on both intakes. This approach prevents any large scale flushing of silt into the watercourse at any time of the year. Condition 5 would require the construction of flush valves into the weir and a monthly schedule for flushing (outwith fish spawning periods). Can you confirm if we use Coanda screens on the intakes that this condition can be adjusted to allow natural flushing of silt over the intake weir?</p> |                  |  |       |
| 6      | <p><b>Ground Water Dependent Terrestrial Ecosystems (GWDTEs):</b> The development shall be carried out strictly in accordance with the following:</p> <ul style="list-style-type: none"> <li>☐ tracks over greater than 0.5m peat depth will be of floating construction;</li> <li>☐ all vegetated areas will be reinstated with the original NVC type;</li> <li>☐ the flush management plan (as approved under condition 1);</li> <li>☐ any new sections of track crossing an area of GWDTE shall be constructed so as not to obstruct natural hydrological flows; and</li> <li>☐ where the penstock crosses through areas of wetland habitat, standard mitigation (e.g. clay bunds) shall be installed to prevent the trench becoming a preferential hydrological flow path;</li> </ul> | <p>Understood. To be covered in detail in the CMS and supporting plans.</p>   |                  |  |       |

| Serial | Condition  | Glen Hydro Comment  | Planning Comment |  | Notes |
|--------|--|---|------------------|--|-------|
|        | unless otherwise approved in writing by the Local Planning Authority.  |   |                  |  |       |
| 7      | <b>Breeding Birds:</b> No ground preparation works shall be carried out within the main bird breeding season (April - July inclusive) unless a walk over survey for nesting birds is undertaken, details of the survey and mitigation measures shall be submitted to, and approved in writing by, the planning authority prior to the commencement development.  | Understood. To be covered in detail in the CMS and supporting plans, including ECoW Scope of Works. |                  |  |       |
| 8      | <b>Black Grouse:</b> A black grouse protection plan shall be submitted to, and approved in writing by, the Planning Authority prior to the commencement of development on site. This shall include:<br><input type="checkbox"/> Restrictions that will be in place to protect black grouse, should ground clearance work shall take place from March until mid May;<br><input type="checkbox"/> Toolbox talks for contractors. | Understood. To be covered in detail in the CMS and supporting plans, including ECoW Scope of Works. |                  |  |       |
| 9      | <b>Breeding Schedule 1 raptors Re-survey:</b> A Breeding Schedule 1 raptors re-survey including proposed mitigation measures will be submitted to, and agreed in writing by the Local Planning Authority prior to development commencing. The scope of the survey will be an area within 500m of the proposed development.   | Understood. To be covered in detail in the CMS and supporting plans, including ECoW Scope of Works. |                  |  |       |
| 10     | <b>Details of Landscaping around Powerhouse:</b> Within 4 months of the date of  | Understood. However, we would like to keep this condition open until                                |                  |  |       |

| Serial | Condition   | Glen Hydro Comment  | Planning Comment |  | Notes |
|--------|---|---|------------------|--|-------|
|        | <p>commissioning of the scheme or 28 months of the date of commencement, whichever is the sooner, landscaping around the powerhouse shall be undertaken in accordance with the details of a scheme/plan which shall first be approved in writing by the Planning Authority. The said scheme/plan (at a scale of 1:500 or greater) shall include:</p> <p>The location of the permanent access track and turning head;</p> <p>any new walls, fences, hedges, gates; planting plans and written specifications (including cultivation and other operations associated with plant and grass establishment), schedules of plants (including trees), noting species, plant sizes and proposed numbers/densities where appropriate; and</p> <p>d) a programme of implementation.</p> | <p>the detailed drawings for the Powerhouse are complete to avoid this condition delaying wider progress. Is this acceptable?</p>   |                  |  |       |
| 11     | <p><b>Archaeology:</b> No development shall take place within the development site as outlined in red on the approved plan until the developer has secured the implementation of a programme of archaeological works in accordance with a written scheme of investigation which has been submitted by the applicant, agreed by the West of Scotland Archaeology Service, and approved in writing by the Planning Authority. Thereafter the developer shall ensure that the programme of</p>   | <p>Understood. WOSAS have been consulted and we have appointed an archaeological contractor to develop a written scheme of investigation and programme of archaeological works.</p> |                  |  |       |

| Serial | Condition  | Glen Hydro Comment   | Planning Comment |  | Notes |
|--------|--|--|------------------|--|-------|
|        | <p>archaeological works is fully implemented and that all recording and recovery of archaeological resources within the development site is undertaken to the satisfaction of the Planning Authority in agreement with the West of Scotland Archaeology Service.</p>   |  |                  |  |       |
| 12     | <p><b>Samples of Finishing Materials of intakes, powerhouse and all other above-ground structures:</b> No works shall commence on the construction of any of the permanent aboveground structures (including the powerhouse or intakes), unless a sample or details of the final materials and colour to be used to construct all aspects of the above-ground structures, has been submitted to, and approved in writing by, the Planning Authority. Thereafter, all above-ground structures shall be constructed in accordance with the approved details.</p> | <p>Understood. However, as per Condition 10, we would like to keep this condition open until the final detailed drawings for the intakes, Powerhouse and other above-ground structures are complete to avoid this condition delaying wider progress. Is this acceptable?</p> |                  |  |       |
| 13     | <p><b>Turbine Noise level restriction:</b> Prior to the first use of the Powerhouse hereby approved, it shall be enclosed with sound-insulating material which will minimise transmission of structure borne sound, in accordance with details that have been submitted to, and approved in writing by, the Planning Authority. The Significance of Effects shall be not greater than Neutral, as defined in the Scottish Government's Technical Advice Note: Assessment of Noise, Table 3.5. The</p>  | <p>Understood. However, as per Condition 10 and 12, we would like to keep this condition open until the final turbine design and detailed drawings for the Powerhouse are complete to avoid this condition delaying wider progress. Is this acceptable?</p>                  |                  |  |       |

| Serial | Condition  | Glen Hydro Comment  | Planning Comment |  | Notes |
|--------|--|---|------------------|--|-------|
|        | aforementioned measures shall thereafter be retained as approved and shall not be removed or altered without the prior written approval of the Planning Authority.   |   |                  |  |       |
| 14     | <b>Hours of Operation and Noise:</b> Construction works which are audible outwith the site boundary shall be undertaken during normal working hours:<br><input type="checkbox"/> 08.00 to 18.00 hours Monday to Friday,<br><input type="checkbox"/> 09.00 to 13.00 hours on Saturdays<br><input type="checkbox"/> No noisy works audible outwith the site boundary are permitted on Sundays or Bank Holidays.  | Understood. To be included in detail within CMS.                                      |                  |  |       |
| 15     | <b>Ecological Clerk of Works/ On-site Ecologist:</b> Unless as may otherwise be agreed in writing by the Planning Authority, no works shall commence on the development hereby approved until an independent Ecological Clerk of Works (ECoW) or On-site Ecologist has been appointed by the developer to oversee the implementation of the planning conditions and the Construction Method Statement during the detailed design, construction, and restoration phases of the development. | Understood.   |                  |  |       |
| 16     | <b>Scope of works to be carried out by the Ecological Clerk of Works/ On-site Ecologist:</b> Prior to appointing the ECoW or On-site Ecologist in accordance with Condition 15   | Understood. See separate document (Glen Hydro D045-105-2 dated 05/06/15) submitted to |                  |  |       |

| Serial | Condition   | Glen Hydro Comment   | Planning Comment |  | Notes |
|--------|---|--|------------------|--|-------|
|        | <p>above, a 'scope of works' for that person shall be submitted to, and approved in writing by, the Local Planning Authority. As a minimum, the ECoW/On-site Ecologist shall:</p> <ul style="list-style-type: none"> <li>☐ be present to oversee all in-stream construction works;</li> <li>☐ give advice on micro-siting project elements to avoid important habitats (such as M10, M11, M32 and M37), including any areas of deep peat and GWDTE;</li> <li>☐ give Ecological 'toolbox talks' on emergency procedures if protected species are identified within or close to the construction corridor;</li> <li>☐ ensure compliance with all wildlife legislation;</li> <li>☐ undertake pre-construction checks for protected species (mammals, fish and birds);</li> <li>☐ oversee implementation of all ecological mitigation, as detailed in the approved CMS;</li> <li>☐ monitor restoration of the site and ensure that the agreed habitat restoration targets are achieved; and</li> <li>☐ have the authority, on and off-site, to halt operations or to alter construction methods if they observe, monitor or otherwise identify that these operations are having adverse impacts on the natural heritage.</li> </ul> <p>The Scope of Works shall specify the stages of the process that the ECoW/On-site Ecologist</p> | <p>LL&amp;TNPA for approval to enable ECoW to be appointed (Condition 15).</p> |                  |  |       |



| Serial | Condition   | Glen Hydro Comment   | Planning Comment |  | Notes |
|--------|---|--|------------------|--|-------|
|        | <p>will be present on site for, and how regularly they will otherwise inspect the site.<br/>Thereafter, all works shall be carried out in accordance with the agreed Scope of Works.</p>  |  |                  |  |       |
| 17     | <p><b>Decommissioning and Restoration:</b> Unless otherwise agreed in writing with the Local Planning Authority, in the event of the scheme not generating electricity for a continuous period of 12 months and with no realistic expectation of resumption in the foreseeable future, the site shall be reinstated within a period of 18 months following the expiry of such period of cessation or within such timescales as agreed in writing with the Planning Authority. Reinstatement shall comprise the removal of the above ground infrastructure, if considered necessary, and restoration of the natural water regime to normal flows, all to the written satisfaction of the Planning Authority.</p> | <p>Understood. Can you confirm that this condition will remain open?</p> |                  |  |       |
| 18     | <p><b>Monitoring reports during construction:</b> The applicant shall submit a monitoring report to the Local Planning Authority setting out how the requirements of the CMS and all other conditions of the permission are being adhered to on the site, and any issues arising, at the following intervals during the construction phase:<br/> <input type="checkbox"/> Every month for the first 6 months (taken from the start date given in the Notice of</p>  | <p>Understood. To be included as specific tasks within CMS.</p>          |                  |  |       |



| Serial | Condition  | Glen Hydro Comment | Planning Comment |  | Notes |
|--------|--|--------------------|------------------|--|-------|
|        | <p>Initiation - see Informative No.1), and<br/>           ☐ Every two months for the remaining period of construction.</p> <p>Unless otherwise agreed in writing by the Local Planning Authority, the monitoring reports shall include a narrative update on construction progress, photographs, an update from the ECoW and an update on the implementation of landscape mitigation measures (see condition 1 (i)), particularly at the key intervention points for landscape advice (see condition 1 (f)).</p> |                    |                  |  |       |



## Ledcharrie – Hydro Scheme

### Ecological Scope of Works

Document Number D045-105-2

Revision 1.0

DRAFT

#### Version Record

| Version | Date       | Comment     |
|---------|------------|-------------|
| 1.0     | 05/06/2015 | First issue |
|         |            |             |



## INTRODUCTION

### BACKGROUND

1. This document relates to a proposed hydro electric scheme at Ledcharrie Farm, Crianlarich. Loch Lomond and the Trossachs National Park Authority granted Planning Permission on 20 December 2013, reference 2013/0047/DET.

### AIM

2. The aim of this document is to detail the work required from an independent Ecological Clerk of Works (ECoW) to oversee the implementation of the planning conditions and the Construction Method Statement during the detailed design, construction and restoration phases of the development.

### PLANNING CONDITIONS

3. The production of this Scope of Works, is a requirement of Planning Condition 16 and is to be agreed by the Local Planning Authority before the ECoW can be appointed (Planning Condition 15).

### KEY REFERENCES

4. The core references used to inform this Scope of Works include:
- Loch Lomond and The Trossachs National Park, Decision Notice 2013/0047/DET.
  - Loch Lomond and The Trossachs National Park, Supplementary Planning Guidance – Renewable Energy, 2013.
  - The Highland Council, Construction Environmental Management Process for Large Scale Projects, 2010.

## SCOPE OF WORKS

### QUALIFICATIONS AND EXPERIENCE

5. The ECoW is to have a proven track record and experience of acting as an ECoW on projects of similar type and scale. Other environmental specialists may be used to support the ECoW, who will, as required, manage these specialists on site on behalf of the Client/Contractor. The qualifications and experience of the selected ECoW can be forwarded to the Planning Authority if required.

### AUTHORITY

6. The ECoW will have the authority, on and off-site, to halt operations or to alter construction methods if they observe, monitor or otherwise identify that these operations are having adverse impacts on the natural heritage. However, the aim is to avoid construction methods having any adverse impacts on the natural heritage through clear guidance, careful planning and close, collaborative working.

### CORE DUTIES

7. The core duties of the ECoW are:
- a. Provision of specialist ecological advice and support at all stages of the project.

- b. Ensuring compliance with all wildlife legislation and that all relevant works have (and are being carried out in accordance with) the required permits, licenses, certificates, planning permissions etc, and bringing to the attention of the project team any timing and legal constraints that may be imposed on the carrying out of certain tasks.
- c. Oversee implementation of all ecological mitigation, as detailed in the approved CMS.

## DETAILED TASKS

### 8. Pre-Construction

- a. Provision of specialist environmental advice to assist with refining key sections in the CMS, including but not limited to:
  - i. Habitat mitigation and restoration targets
  - ii. Species protection plans
  - iii. Development of appropriate Toolbox talks
  - iv. Flush protection plan
  - v. Appropriate measures to prevent further spread of New Zealand Willowherb
  - vi. Sediment management plan
  - vii. Peat protection plan
  - viii. Turve management plan
  - ix. Black Grouse protection plan
  - x. Breeding Schedule 1 raptors mitigation measures
- b. Conduct detailed marking of important habitat sites as per the Environmental Statement and Decision Notice, to include thorough walk of site with project team and contractor, and, if required, with the Planning Authority.
- c. Provide detailed advice on micro-siting of project elements (tracks, pipeline and construction areas) to avoid important habitats (such as M10, M11, M32 and M37), including any areas of deep peat and GWDTE.
- d. Provide guidance and support to the project team and contractor to ensure appropriate mitigation measures are designed and implemented where sensitive sites may be impacted.
- e. Delivery to all contractors of ecological 'toolbox talks' on emergency procedures if protected species are identified within or close to the construction corridor.
- f. Conduct pre-construction checks for protected species (mammals, fish, birds).
- g. Conduct a Breeding Schedule 1 Raptors Re-Survey (an area within 500m of the proposed development), including proposed mitigation measures (see 8ax above).
- h. Conduct a walk-over survey for nesting birds, including provision of a survey report with mitigation measures for approval by the Planning Authority. Only required if works take place April-July.

### 9. During Construction

- a. Oversee implementation of all ecological mitigation, as detailed in the approved CMS.
- b. Be present to oversee all in-stream construction works.
- c. Be present to oversee construction works and associated mitigation measures where sensitive sites cannot be completely avoided by micro-siting.
- d. Conduct regular documented inspections/audits of the site to ensure that all work is being carried out in accordance with the CMS. Work schedules and timings will be specified in the CMS but it is expected that site inspections will be conducted as follows:
  - i. A minimum of every month for the first 6 months and more frequently as required (see 9b and 9c above).
  - ii. A minimum of every two months for the remaining period of construction.
- e. Provision of an update for inclusion in the regular project monitoring reports as follows:
  - i. Every month for the first 6 months (taken from the start date given in the Notice of Initiation).
  - ii. Every two months for the remaining period of construction.
- f. Provide specialist guidance and advice as required (remote and on-site).

#### 10. **Restoration**

- a. Monitor restoration of the site and ensure that the agreed habitat restoration targets are achieved.

#### **ENVIRONMENTAL INCIDENTS**

#### 11. In the unlikely event of an environmental incident or spillage the ECoW will:

- a. Ensure the Project Manager is notified of all incidents where there has been a breach of agreed environmental management procedures.
- b. Be ready to assist in implementing an emergency response plan.
- c. Be responsible for notifying the relevant statutory authority of environmental incidents.
- d. Conduct an investigation and produce a report regarding environmental incidents and non-conformances.