



T3 Load Reopener: Coupar Angus 2 132kV Substation

Eligibility Letter

Document Classification | **PUBLIC**



**Scottish & Southern
Electricity Networks**

TRANSMISSION

T3LR-EL-006	Coupar Angus 2 132kV Substation RIIO-T3 LR Eligibility Letter		Applies to
			Transmission
Revision: 1.0	Classification: Public	Issue Date: 10/2026	Project Number: [REDACTED]

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Executive Summary

This Eligibility Letter sets out our request for Ofgem approval of the needs case and preferred option for the Coupar Angus 2 132kV Substation [REDACTED] and direct a Price Control Deliverable (PCD) covering Pre-Construction Funding (PCF). In support of the project, SSEN Transmission (SSEN-T) is requesting an additional PCF allowance of [REDACTED] under SpC 3.15. [REDACTED]

Without approval of the need and preferred option, and subsequent release of Pre-Construction Funding, we are unable to progress this project or deliver the connection works required to provide additional transmission connection capability for contracted generation in the Coupar Angus area.

[REDACTED] a combined Transmission Entry Capacity (TEC) of approximately 171.6 MW. The Coupar Angus 2 132kV Substation is required to provide the additional 132kV transmission connection capability needed to facilitate these connections, [REDACTED]

Following optioneering and technical assessment, our preferred solution satisfies the NETS SQSS and all relevant technical requirements, while ensuring the contracted generation [REDACTED] in the Coupar Angus area can be facilitated [REDACTED]. The proposed solution comprises of shared-use works, Transmission Connection Agreement (TCA) works, sole-use works and one-off works.

As the preferred solution comprises a new outdoor 132kV AIS double busbar arrangement with double-circuit turn-in capability, this solution is classified as Pre-approval of Solution by Engineering (PASE) Primary.

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The Need is clear and the Option is justified therefore the project should be placed in Track 2. We ask that Ofgem:

- Confirm eligibility for the Load Reopener (LR)
- Confirm Track 2 pathway for regulatory funding, progressing straight to Project Assessment
- Amend SpC 3.15 Pre-Construction Funding in line with the Final Determination decision of 8.2% PCF
- Confirm that an Independent Technical Adviser (ITA) and Output Delivery Incentive (ODI) will not apply

This submission is made in accordance with Special Licence Condition (SpC) 3.15 (“Pre-Construction Funding Re-opener and Price Control Deliverable”) of SSEN-T’s Licence. The content within this submission is aligned to the requirements in Ofgem’s “Re-opener Guidance and Application Requirements Document Version 5” (dated 1st April 2026).

We are applying to Ofgem for a direction to amend the outputs and associated allowances in Appendix 2 of SpC 3.15 of our Licence. This is permissible in respect of new Load Re-opener Outputs. SSEN-T may apply to the Authority for a direction amending the outputs, delivery dates, or associated allowances by submitting an Eligibility Letter for the relevant Load Re-opener as set out in Part D of Special Condition 3.18 Load Re-opener and Price Control Deliverable (LRt).

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Reference Table

Project Title:	Coupar Angus 2 132kV Substation	Delivery Year	[REDACTED]
BPDT/Scheme Reference Number	[REDACTED]	Applicable Reporting Tables	6.1 Scheme C&V Load Actuals 9.4 CAI 11.10 Contractor Indirects
RRP References	[REDACTED]	Connections	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
Cost (23/24 prices):	[REDACTED] [REDACTED]	Total MW of Clean Power Generation	171.6 MW (TEC)
Load Board Reference	N/A		
Investment Driver	Customer Connection		
PASE alignment	The new outdoor 132kV AIS double busbar arrangement with double-circuit turn-in capability is classified as PASE Primary.		
Outputs	Energisation of transmission infrastructure at Coupar Angus to connect [REDACTED] projects in the area. PCD to be set covering pre-construction activity up to 31 March 2031. Full Output to be set at Project Assessment.		
Extension Cost (applicable only to substations)	The new GSP meets all contracted connection capacity (considering all connection offers for existing GSP and the new GSP), plus additional capacity for future 33kV embedded connections. The wider substation includes space provision for a future connection at 132kV.		
Historic Funding Interactions	N/A		
Interactive Projects	N/A		

Table 1: Reference Table

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Project Summary Table

Name of Scheme	Coupar Angus 2 132kV Substation		
Investment Driver	This load-driven investment is required to connect contracted customers in the area. The existing Coupar Angus 132/33kV GSP is fully allocated and cannot be expanded because of [REDACTED]. To support further connections, a new Coupar Angus 2 132/33kV GSP is proposed.		
Solution(s)	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
PASE Compliance	Yes, with PASE primary option New outdoor 132kV AIS double busbar arrangement with double-circuit turn-in capability.		
PASE Evidence Variant Option	N/A		
Spend Apportionment	ET2	ET3	ET4
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Table 2: Project Summary Table

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1. Introduction

This Eligibility Letter, submitted as required by Part D within SpC 3.18 Load Re-opener, sets out our request for Ofgem approval of the needs case and preferred option for the Coupar Angus 2 132kV Substation [REDACTED] and setting of a Price Control Deliverable (PCD) covering Pre-Construction Funding (PCF).

As part of its statutory and Transmission Licence obligations, SSEN-T has several duties including:

- The development and maintenance of an efficient, coordinated and economical system of electricity transmission,
- To facilitate competition in the supply and generation of electricity, and
- Plan the network in accordance with the NETS SQSS to ensure that the security of the network is maintained as the demand and/or generation connections change over time.

Contracted generation and battery storage projects in the Coupar Angus area have been assessed through the National Energy System Operator's Gate 2 to Whole Queue (G2tWQ) process. These projects include [REDACTED] schemes requiring additional transmission connection capability.

The existing Coupar Angus 132/33kV GSP is fully allocated and cannot be expanded [REDACTED]. To enable further connections in the area, SSEN-T is developing the Coupar Angus 2 132kV Substation as part of the wider Coupar Angus 2 GSP connection package, [REDACTED]
[REDACTED]

The project was not included within our Business Plan and CP2030 supplementary information submission [REDACTED]. Following Ofgem's Final Determination, which set the thresholds and eligibility for the LR, we now assess the project is eligible for the LR and therefore an eligibility letter is needed.

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2. Regulatory Treatment

This submission is made in accordance with SpC 3.15 (“Pre-Construction Funding Re-opener and Price Control Deliverable”) and SpC 3.18 (“Load Reopener and Price Control Deliverable”) of SSEN-T’s Licence. Part F of SpC 3.15 sets out the information requirements for amending condition to reflect PCF, and part D of SpC 3.18 covers the requirements for an Eligibility letter submission. The content within this submission is aligned to the requirements in Ofgem’s “Re-opener Guidance and Application Requirements Document Version 5” (dated 1st Apr 2026).

2.1. Pre-Construction Funding

We are applying to Ofgem for a direction to amend the outputs and associated allowances in Appendix 2 of SpC 3.15 of our Licence. This is permissible in line with SpC 3.15.21 where a request can be made when submitting an eligibility letter.

To support the Coupar Angus 2 132kV Substation project, SSEN-T is requesting [REDACTED] of pre-construction allowances in order to fully fund the development of activities necessary to reach a constructable solution and secure all material planning consents and connection delivery date as per the signed Transmission Owner Construction Agreements (TOCAs).

To date, Pre-Construction Activities have included feasibility studies to identify the preferred substation site and Overhead Line (OHL) tie-in, supported by initial environmental works, habitat surveys, early site visits and landowner identification. Activities have also included consultation and engagement with statutory stakeholders and the public, interface and progress meetings [REDACTED]

Expected Pre-Construction Activities include further site surveys, including intrusive ground investigations, peat probing, habitat surveys and substation visits, to inform refinement of the design. Further activities will include continued consultation with statutory stakeholders and the public, substation and civils design, Biodiversity Net Gain assessment, completion of Environmental Impact Assessment, planning application submission, landowner negotiations and voluntary wayleave agreements, LiDAR survey, confirmation of outage requirements, [REDACTED]

In line with SpC 3.15.24 e), the activities are required to develop the project up to the point of construction, including delivering critical path items related to ground investigations, preparation of consenting application and submission, and discharge of consenting. [REDACTED]. It is essential to develop the project to achieve planning approval.

In line with SpC 3.15.24 c), a full breakdown of our PCF is included within the cost estimate provided in Appendix F, which provides a detailed summary of the PCF spend to date and forecast broken down into Pre-Construction Works Categories. Table 3 proposes the amendments to be made to Appendix 2 of SpC 3.15 Pre-Construction Funding Price Control Deliverable Allowance. A delivery date of [REDACTED] should be set for pre-construction activities.

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In line with SpC 3.15.24 d), A PCD covering pre-construction activities should be set following approval of this Eligibility Letter. This should be done through modification to SpC 3.15 Pre-Construction Funding, our proposed amendments are listed in the table below.

EJP OSR	Output	PCD Date	2026/27 (£m 23/24 prices)	2027/28 (£m 23/24 prices)	2028/29 (£m 23/24 prices)	2029/30 (£m 23/24 prices)	2030/31 (£m 23/24 prices)	Total allowance (£m 23/24 prices)
[REDACTED]	Shared Use Work	31 March 2031	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Table 3: Proposed PCD for Pre-construction activities

We expect a PCD covering the energisation of the Coupar Angus 2 132kV transmission infrastructure to be added to SpC 3.18 Load Re-opener as part of Project Assessment. The current delivery year is [REDACTED]

Our preconstruction activities will continue for these projects to the point which any planning conditions can be discharged and derisk the design and construction programme such that delivery timelines can be met. We will use preconstruction funding to mitigate the following risks:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.2. Eligibility

The Coupar Angus 2 132kV Substation Shared Use Project meets the LR criteria:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.3. Preferred Project Track

The preferred project track for this scheme is Track 2.

This is because there are [REDACTED] and has detailed and justified optioneering. Therefore, there is no need for a detailed needs case assessment. Our view is that this project should progress through Track 2 in order to meet connection offer timelines.

The preferred solution is PASE Primary compliant, comprising a new outdoor 132kV AIS double busbar arrangement with double-circuit turn-in capability. This supports the view that the solution is economic, efficient and technically justified. We see limited benefit of further Ofgem detailed review through a Needs Case, as this could create uncertainty and risk delay to the delivery of the required connection capability.

A Cost Benefit Assessment (CBA) has not been provided, given robust optioneering has been undertaken and the preferred option is clear. A CBA for this scheme would not provide any additional information and a CBA is not possible as it would not make sense to assess against options which are not deliverable.

[REDACTED]

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2.4. Major Projects Output Delivery Incentive

The project does not meet the criteria for the setting of a Major Projects ODI.

The project is connection driven and should not be classed as a “major project”. We support a holistic, evidence-based approach to determining the projects to which the Major Projects ODI-F should apply, taking account of materiality, strategic designation and the nature of the network benefit being delivered. In our view, the mechanism should principally apply to large strategic investments, such as major boundary-transfer projects or projects specifically designated as strategic by Ofgem or NESO through CSNP outputs.

The project is a localised connection project required to provide additional transmission connection capability for contracted generation and [REDACTED] in the Coupar Angus area. It does not facilitate large boundary transfer, and we do not believe it meets the criteria for the application of a Major Projects ODI.

We note in the RIIO-3 Final Determination ET annex section 3.22 states that the policy intent for the major projects ODI is that it “focuses on large boundary transfer projects and the Connections ODI will incentivise more localised upgrades”. It goes on to state that Ofgem expects that the Major Projects ODI will “relieve constraint costs”. Given that the project is a localised connection project and has no constraint costs and does not facilitate large boundary transfer, we do not believe that the project meets the criteria for a Major Projects ODI.

[REDACTED]

[REDACTED]

[REDACTED]

As this project is not part of the Centralised Strategic Network Plan (CSNP), NESO will not be developing an Optimal Delivery Date (ODD) as there are no constraint costs associated with the development of this scheme. Furthermore, we will be incentivised to deliver the connection in line with Ofgem policy associated with the Connections ODI. [REDACTED]

[REDACTED]

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2.5. Independent Technical Advisor (ITA)

It is our view that the appointment of an ITA would not provide any benefit to the consumer.

This project is a connection project, with low risk and low materiality. We see limited consumer benefit of introducing an ITA to small value works. All aspects of the project are in line with standard engineering and technical practises on the transmission network. Therefore, the scheme is not complex.

The scheme is not strategically important given that there are no constraint benefits, therefore, we propose that no ITA is assigned to the project.

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Sr	Scheme Name	TEC (MW)	Shared Use Works	Gate 2 Status (Final)	Technology	Connection Date
----	-------------	-------------	---------------------	-----------------------------	------------	--------------------

Coupar Angus 2 GSP

1	[REDACTED]
2	[REDACTED]
3	[REDACTED]
4	[REDACTED]

Total TEC(MW): 171.6

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

A do-nothing scenario is not feasible [REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

3.2. Project Benefits

The construction of Coupar Angus 2 132kV substation supports the Government's clean power objective by connecting 171.6 MW of clean generation to the transmission network. The proposed shared-use solution enables delivery of the connections on time, and future proofs the substation.

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3.3. Economic Benefits

This project will stimulate economic activity in the Perth and Kinross Local Authority area, where the project is located, as well as throughout the rest of Scotland and the UK through its supply chain interactions.

As part of our Pathway to 2030 programme SSEN-T is making significant investments in the Perth and Kinross area to reinforce the grid and connect new renewable generation.

About this analysis

This analysis uses input output modelling to calculate GVA and construction jobs with local content percentages applied based on desk-based research of historic data and published statistics. This analysis shows the economic impact of our investment and the average number of direct and indirect jobs that will be supported throughout the development and construction of the project.

Coupar Angus 2 Economic Impact

Category	Local	Scotland	UK
GVA (NPV)			
Direct GVA	£5m	£24m	£33m
Indirect GVA	£1m	£8m	£29m
Induced GVA	£1m	£7m	£29m
Total GVA	£7m	£39m	£91m

Table 6: GVA by region and total (£m)

This project will contribute over £90m of Gross Value Added over the development and construction phases of the project.

Jobs Supported

Average Jobs	Local	Scotland	UK
Direct Jobs	9	54	70
Indirect Jobs	3	18	56
Induced Jobs	2	11	58
Total average Jobs	14	82	184

Table 7: Average jobs per region (number)

There will be an average of 14 direct, indirect and induced jobs supported by this project in the Perth and Kinross area; 9 of these will be direct jobs related to this project. At the UK level, over 180 jobs will be supported by this project, with 70 directly supported.

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Perth and Kinross Jobs Supported

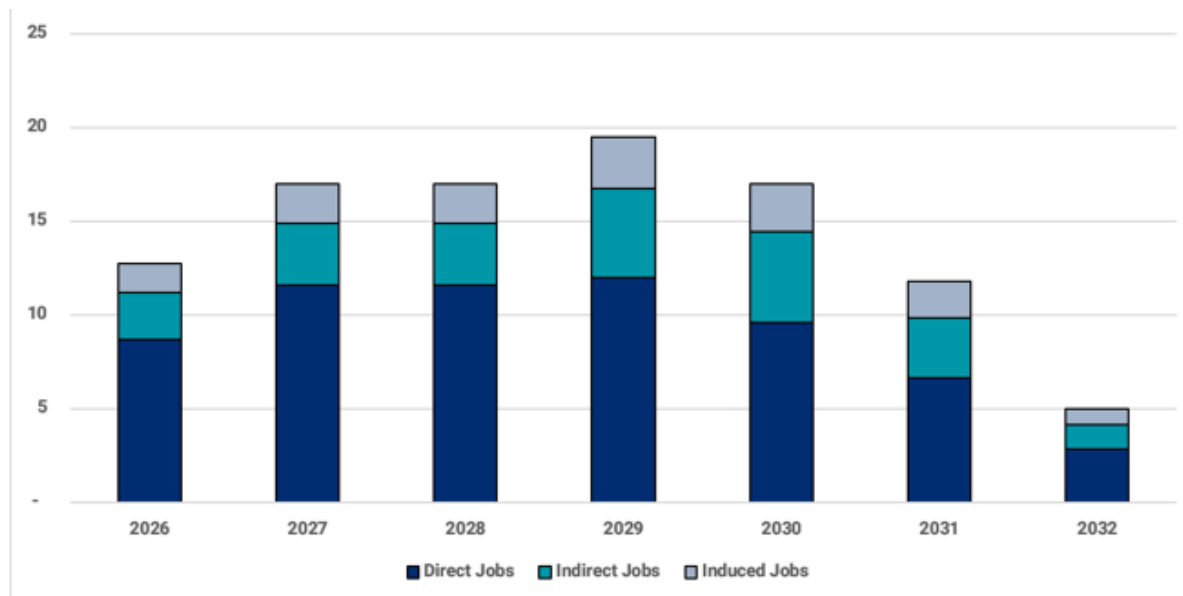


Figure 1: Jobs Supported by Year

In conclusion, our socio-economic analysis shows that there will be significant economic benefits, but also wider to Scotland and the UK. This investment will support jobs in the region and contribute to the wider economy.

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4. Optioneering

4.1. Environmental Considerations and Stakeholder Engagement

Environmental Considerations

The key environmental considerations for the project are to minimise the impacts of the proposed new substation on the local environment. The site selection process for the new substation considered Natural Heritage (e.g. protected species, habitats, ornithology), Cultural Heritage, Landscape and Visual Impacts, Land Use (Agriculture, Forestry and Woodland, and Recreation), and planning.

As part of the options assessment process, consideration was also given to minimising impacts on the local community, reducing land take where practicable, and selecting solutions that avoid unnecessary duplication of infrastructure. Site footprint, land requirements and planning/consenting considerations were assessed when comparing alternative development options.

As the project progresses through to planning, these environmental factors and the development of mitigation measures for impacts arising from the development, particularly noise and visual impacts, will form a key part of the design work, in consultation with the local community and stakeholders.

An Environmental Impact Assessment will be undertaken as part of the planning application(s) for the proposed development, identifying the environmental impacts of the site along with mitigation measures to address them.

Key environmental constraints for the preferred substation site include habitat/ecology, [REDACTED] and noise/visual impacts.

Stakeholder Engagement

[REDACTED]

Stakeholder and public consultation were undertaken as part of the site selection process for the substation. Details of this and how it fed into the selection of the preferred site are provided in Section 5.1.

4.2. List of Considered Options

A structured optioneering assessment was undertaken to identify the most economic and efficient solution to facilitate contracted generation connections in the Coupar Angus area whilst maintaining compliance with NETS SQSS requirements and providing an appropriate level of future network capability. The assessment considered a range of options varying in network capability, resilience, land take, cost and future expandability. The assessment considered both the immediate requirement to connect contracted generation projects and the potential need to accommodate future 132kV developments within the area.

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	[REDACTED]		[REDACTED]
1B	Development of Individual Sites (Busbar Tie-in Connection) [REDACTED]	[REDACTED]	[REDACTED]
2A	Development of combined sites (Single Busbar Tie-in Connection with platform for future [REDACTED]) [REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
2B	Development of combined sites (Single Busbar Tie-in Connection)	[REDACTED]	[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Each option is then assigned a rating from 1 to 5 to reflect their relative merit in each aspect examined and score totalled. Ratings are assigned indicatively and comparatively to the other options. This rating indicates that these options should be considered further, as they are technically capable of meeting the project and network requirements while managing cost and likely impacts on local communities.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] Accordingly, Option 2C was selected as the preferred solution.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] Option 2C therefore provides the required level of network capability from the outset while supporting the long-term development of the network in the Coupar Angus area.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED] This flexibility enables more efficient network operation and supports planned and unplanned outages while maintaining customer supplies wherever possible.

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED] The preferred option delivers the required level of network capability and future provision whilst reducing the risk of stranded investment and unnecessary upfront expenditure.

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED] Option 2C provides the necessary future development capability whilst avoiding potentially stranded assets and unnecessary upfront expenditure. This approach balances efficient long-term network development and maintaining proportionate investment.

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

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Option 2C therefore represents an economic and efficient solution that meets the identified need while providing a proportionate level of future-proofing. It avoids under-investment, which could lead to inefficient reinforcement works in the future, while also avoiding over-investment, such as constructing additional bays for connections that are not yet committed. This provides a standardised, proportionate and future-ready transmission investment aligned with Ofgem's expectations for PASE Primary solutions.

Conclusion

Option 2C is the preferred solution as it provides the most balanced outcome across cost, resilience, future capability and operational flexibility. The solution:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

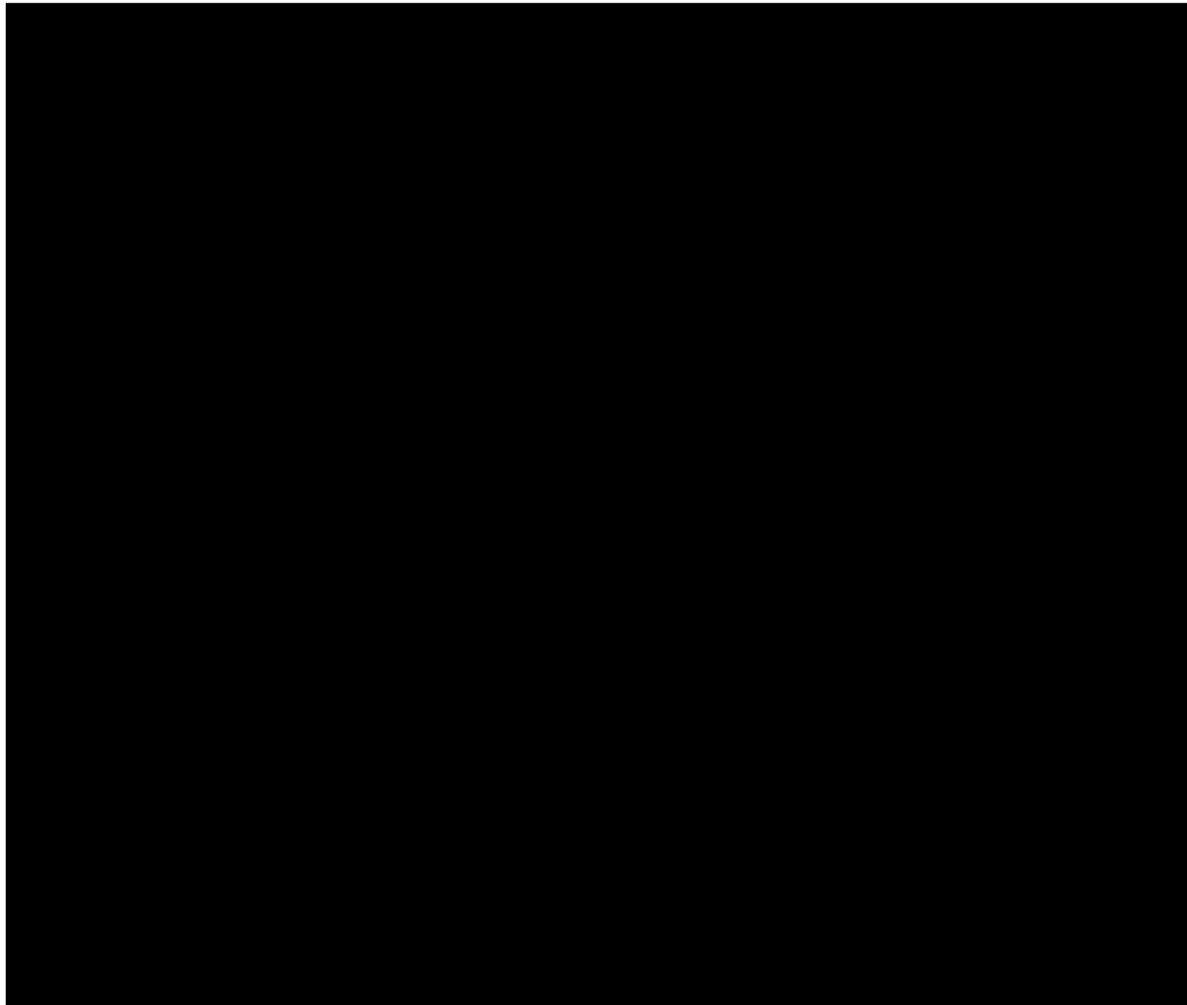
[REDACTED]

[REDACTED]

[REDACTED]

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Site identification/ sifting:



An initial assessment of 12 identified areas was undertaken to identify any technical engineering reasons for discounting sites prior to the site visit.

As a result of this assessment, the following areas were discounted based on the following rationale:

- **Area 1** (Existing GSP site expansion) – [REDACTED]
[REDACTED]
[REDACTED]
- **Area 6** – [REDACTED]
[REDACTED]
[REDACTED]
- **Area 7** – [REDACTED]
[REDACTED]
[REDACTED]
- **Area 8** – [REDACTED]
[REDACTED]

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- [REDACTED]
- Area 9 – [REDACTED]
[REDACTED]
[REDACTED]
 - Area 10 – [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

This resulted in a total of six areas taken forward for the Stage 1 assessment.

Stage 1:

A multi-disciplinary site walkover of all six potential sites was undertaken on [REDACTED]. A desk-based environmental appraisal of the potential substation sites was conducted by [REDACTED].

Following this, a site selection workshop was undertaken on [REDACTED] to discuss the findings of the initial desktop information and site walkover and to determine which options should be taken forward to Stage 2 assessment. The outcome of this assessment was Areas 3 and 5 progressing to Stage 2.

Stage 2:

The multi-disciplinary comparative assessment of Areas 3 and 5 found that both areas offer potential site areas that are broadly feasible for the proposed new substation, with an overall preference for Area 3. This was primarily due to Area 3 having better existing access options, whereas Area 5 would require significant earthworks and a new access track.

There is a [REDACTED] area at the southern boundary of Area 3, however engineering assessments determined that the optimal location for the proposed site [REDACTED]
[REDACTED]
[REDACTED]

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Whilst the engineering assessments resulted in Area 3 scoring better than Area 5, the latter was still considered a viable option in terms of technical feasibility.

Following the comparative environmental assessment, there was a strong preference for Area 3 over Area 5, primarily due to ecological constraints. Across Natural Heritage Designations, Habitats, Protected Species and Ornithology, Area 3 is rated amber for all categories while Area 5 is rated red.



Our consultation process sought to capture the views of anyone who had an interest in our proposals, and we invited comments from all. During our engagements we aimed to ensure that we captured the views of:

- Statutory consultees (Perth and Kinross Council, NatureScot, the Scottish Environment Protection Agency (SEPA) and Historic Environment Scotland (HES))
- Non-statutory consultees
- Community members and local organisations, including local elected members
- Landowners and occupiers

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Based on the feedback from stakeholders and assessments undertaken during the Stage 2 site selection process, the following key decisions were made:

- Area 3 [REDACTED] is selected as the proposed site to progress for the next stage
- Concerns from the public and stakeholders over ecological constraints at Area 5 have been validated through investigative surveys, and were a key determining factor in the preference for Area 3.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]

A Town and Country Planning Act (TCPA) application will be made to Perth & Kinross Council for the proposed new substation.

The overhead line element will involve a tie-in with minimal modification of the existing line and towers and will be subject to a S37 application to the Energy Consents Unit (ECU).

[REDACTED]

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5.2. Stakeholder Engagement

[REDACTED]

[REDACTED]

[REDACTED]

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6. Early Cost Views and Estimates

An estimate of the project cost for the preferred option has progressed through [REDACTED] in our LCP process. The costs have been prepared on the criteria and accuracy correlated to the stage of the project in [REDACTED]

[REDACTED]

[REDACTED]

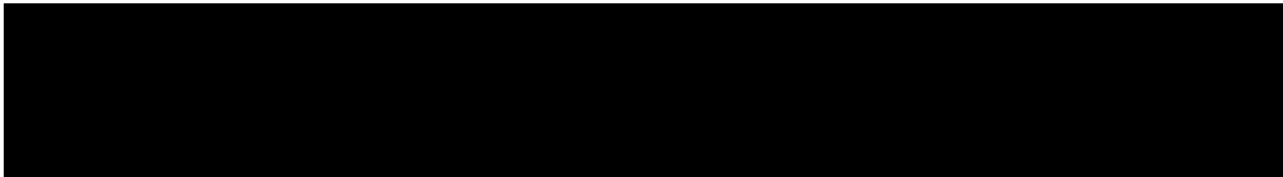
This Eligibility Letter is seeking approval for need and preferred solution only, costs provided are for illustrative purposes only. Once our projects reach Gate 3 and achieve sufficient cost maturity, we will submit a project assessment.

[REDACTED]

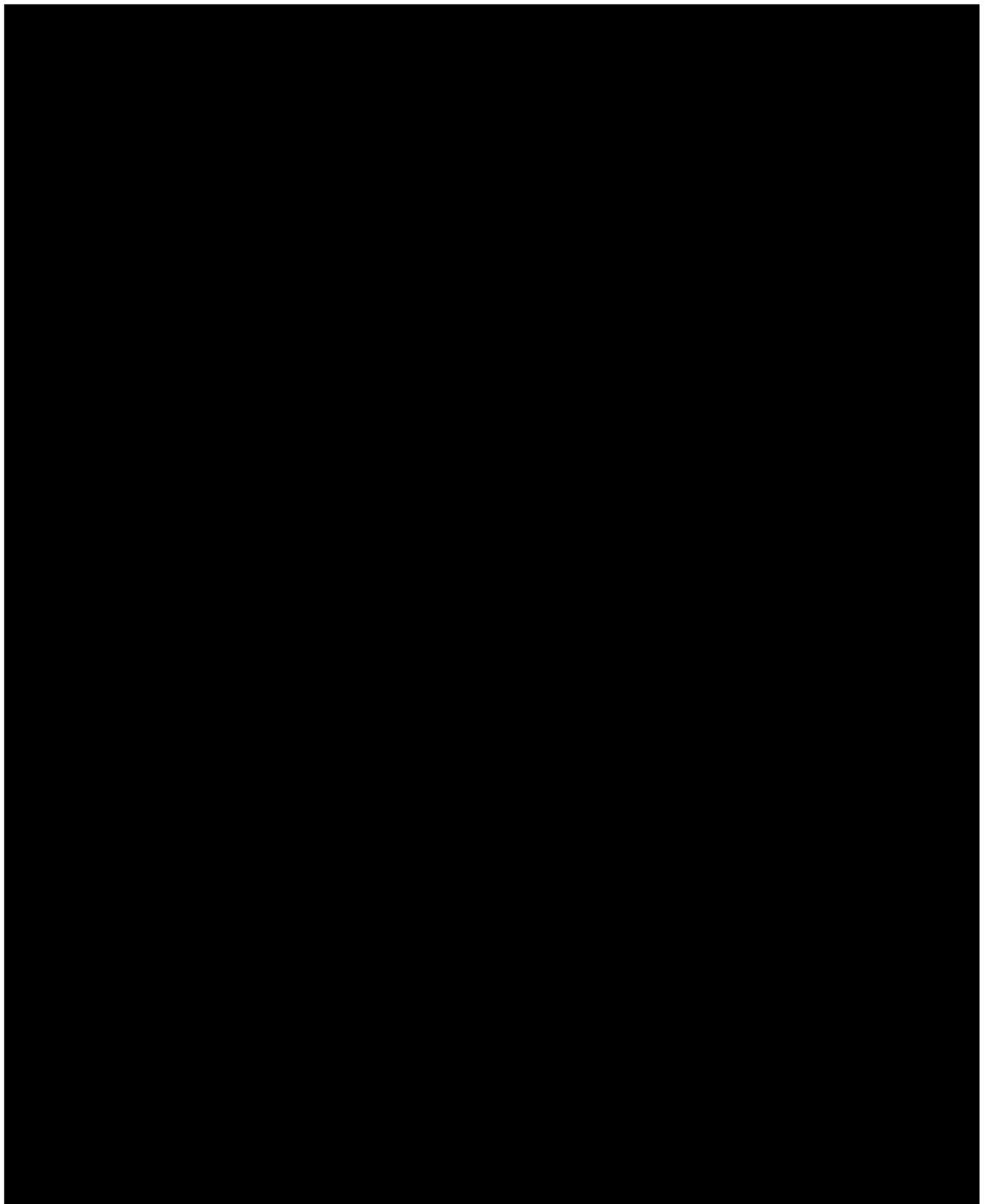
[REDACTED] We would expect these costs to mature with the design and as we engage with the supply chain and complete our PCF activities. We have provided a breakdown of early cost estimate for the project in cost sheet in separately attached Appendix F and a high-level summary below.

[REDACTED]

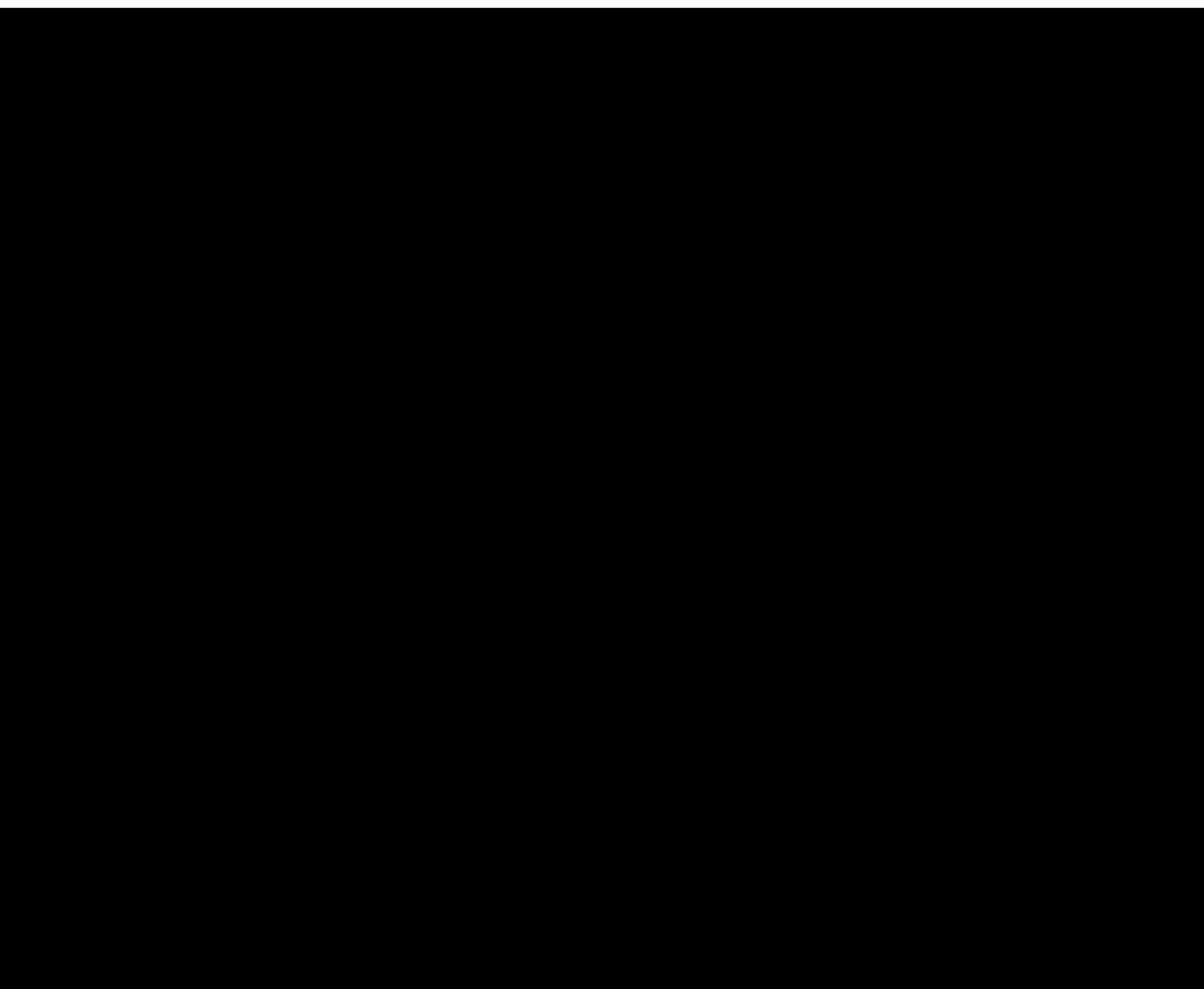
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7.3. Planning Requirements



Formal planning consent is required to enable the project, as summarised in Table 12 below. Consent is at early planning stages, with initial public and stakeholder consultations complete to inform site selection and routeing activities.

Project Element	Legislation	Consent Type	Consenting Authority
OHL tie-in	Electricity Act 1989	Section 37	Scottish Government Energy Consents Unit (ECU)

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Substation	Town and Country Planning (Scotland) Act 1997	TCPA Application	Perth and Kinross Council
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Table 12: Summary of Planning Requirements

7.4. Interactive Projects

There are currently no interactive projects or confirmed outage planning requirements associated with this project. The proposed tie-in arrangement for the overhead line remains under consideration and may require a single or double circuit outage, depending on the final design. Further details of any outage requirements will be provided once the substation orientation and overhead line tie-in arrangement have been confirmed.

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8. Conclusion & Next Steps

This eligibility letter sets out the need, optioneering and preferred solution to support the connection of four contracted projects. [REDACTED] schemes will deliver a combined 171.6MW of clean energy providing clear benefits to the consumer.

The need is justified by the contracted projects [REDACTED] at the G2tWQ process following reassessment by the NESO through connections reform. The Coupar Angus 2 132kV Substation is required to provide the additional 132kV transmission connection capability needed to facilitate these connections, with connection works currently targeted [REDACTED]

We have undertaken a detailed optioneering assessment and our preferred solution is the most economic and efficient option and presents significant value for money to the end consumer. Our preferred solution satisfies the NETS SQSS and all relevant technical requirements while remaining deliverable by the connection date [REDACTED]

Our preconstruction activities will develop these projects to the point which they can be consented and derisk the design and construction programme such that delivery timelines can be met.

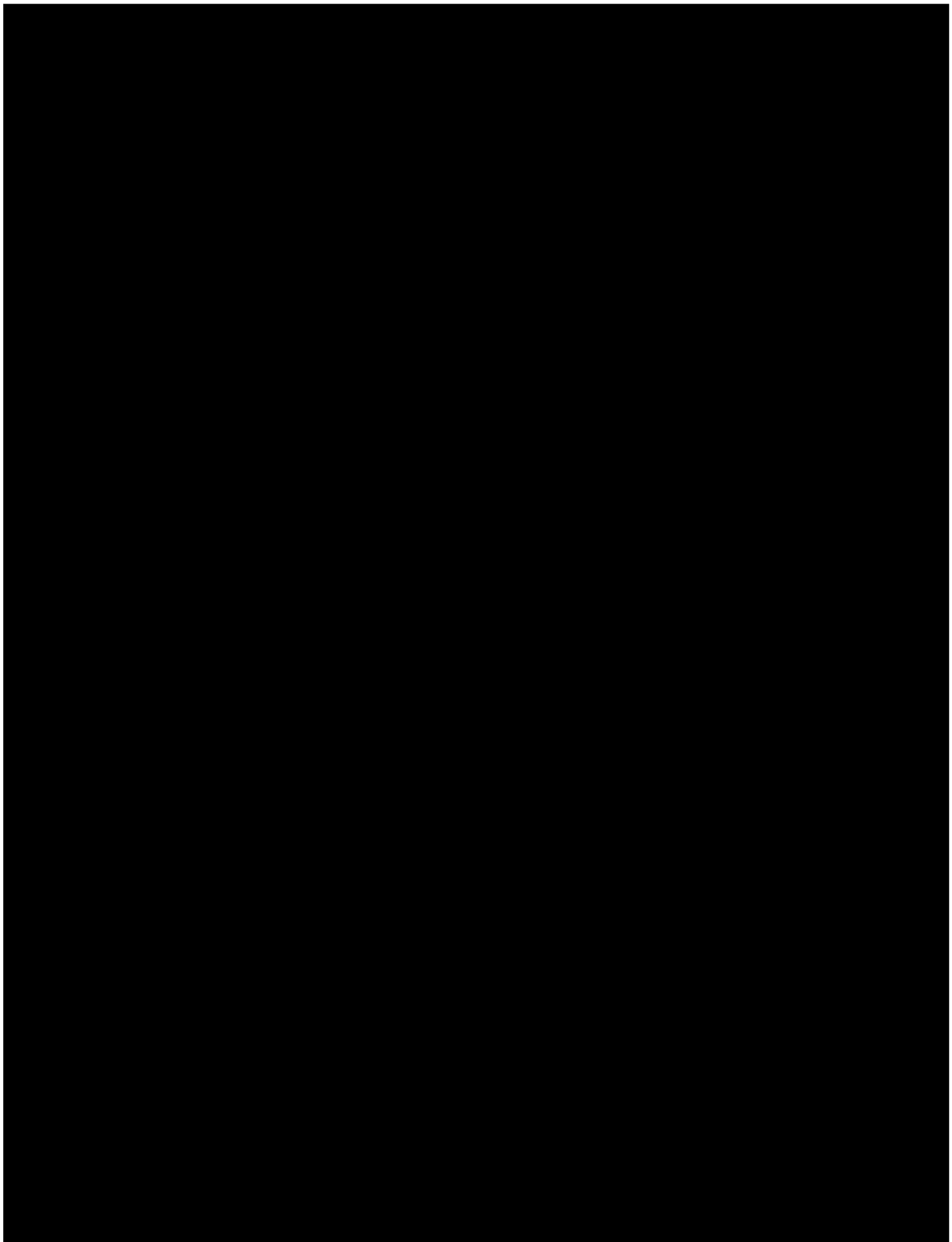
The Need is clear and the Option is justified therefore the project should be placed in Track 2.

We ask that Ofgem:

- Confirm eligibility for the LR
- Confirm Track 2 pathway for regulatory funding, progressing straight to Project Assessment
- Amend SpC 3.15 Pre-Construction Funding in line with the Final Determination decision of 8.2% PCF – [REDACTED] for The Coupar Angus 2 132kV Substation
- Confirm that an ITA and ODI will not apply

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Appendix A System Design Table

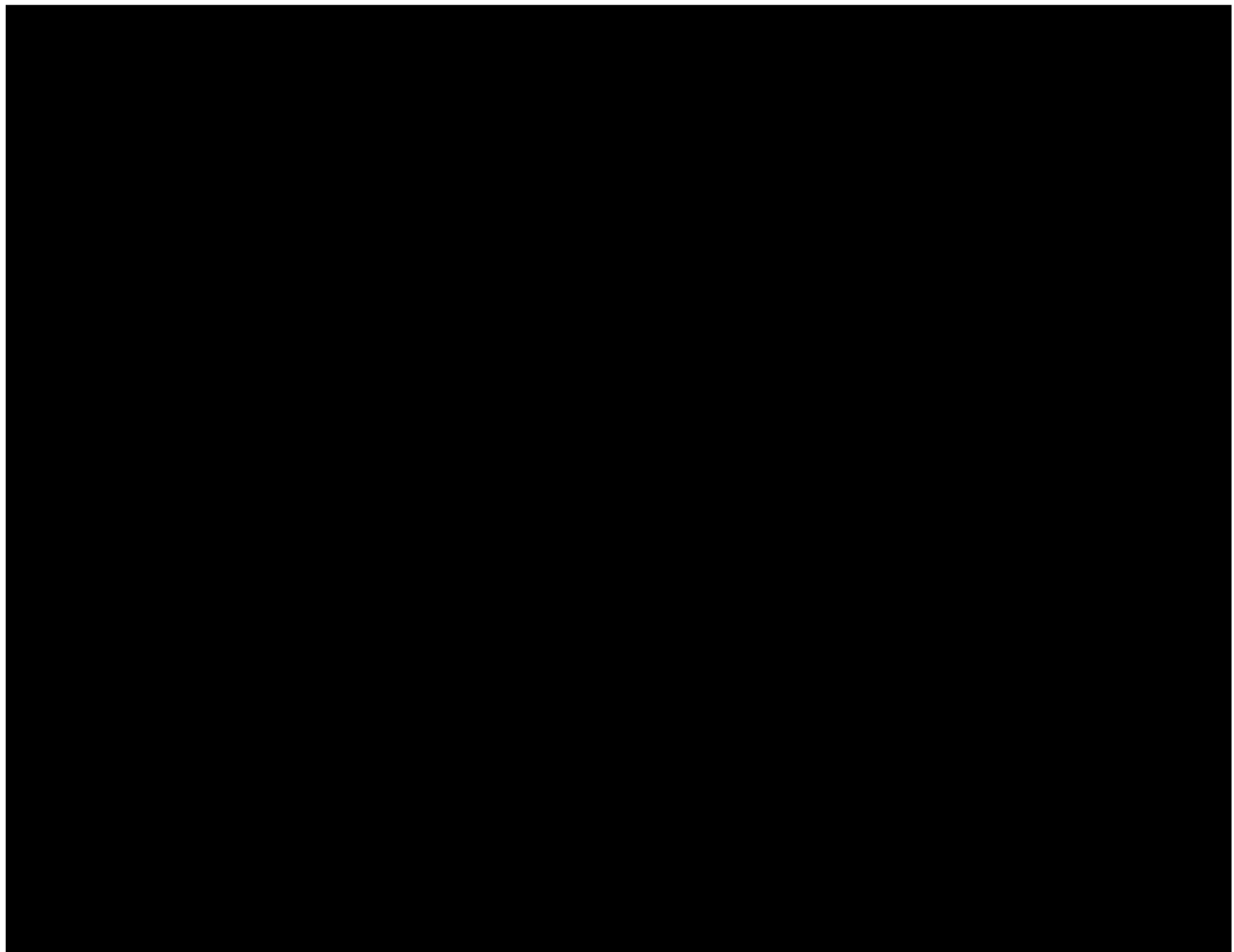


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Appendix B Single Line Diagrams (SLDs)



[REDACTED]

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Appendix D Programme



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Appendix E Glossary of Terms

Acronym	Definition	Description
AIS	Air Insulated Switchgear	Switchgear in which the insulation is obtained by air at atmospheric pressure.
ASTI	Accelerated Strategic Transmission Investment	Accelerated Strategic Transmission Investment (ASTI) framework to both assess and fund large strategic onshore electricity transmission projects and incentivise the timely delivery of these projects.
BESS	Battery Energy Storage System	Devices that enable energy from renewables, like solar and wind, to be stored and then released when customers need power most.
BNG	Biodiversity Net Gain	A process which leaves nature in a better state than it started.
CAI	Closely Associated Indirect	Costs which are more directly tied to construction and operation of network assets such as project management and network design as defined within the Regulatory Instructions and Guidance (RIGs).
CAPEX	Capital Expenditure	The funds allocated to acquire, upgrade and maintain the electricity network.
CBA	Cost Benefit Analysis	A systematic approach used to evaluate benefits and disadvantages of a project.
CP2030	Clean Power 2030	The UK Governments Clean Power by 2030 Plan
CSNP	Centralised Strategic Network Plan	A NESO-led strategic plan identifying long-term electricity transmission network needs and investment priorities across Great Britain.
EJP	Engineering Justification Paper	Submission made to Ofgem by ETOs setting out the scope, costs and benefits for projects or aggregated investment programmes.
G2tWQ	Gate 2 to Whole Queue	NESO developed process as part of connection reform, ensuring only projects meeting specific readiness and Strategic alignment criteria progress through the reform queue.
GW	Gigawatt	A unit for measuring electrical power
GIS	Gas Insulated Substation	A compact, high voltage substation where key components are enclosed in SF ₆ gas for insulation and arc-quenching. Suitable for space constrained areas or harsh environments.
GSP	Grid Supply Point	Interface between the transmission network and the distribution network facilitating the supply of electricity at the distribution level.
GVA	Gross Value Added	A key economic indicator that measures the value of goods and services produced in an area, industry or sector.

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HVDC	High Voltage Direct Current	Technology used for transmitting electricity over long distances using direct current.
ITA	Independent Technical Advisor	Responsible for providing assurance to Ofgem on design decisions, procurement processes, cost and overall project delivery of selected load projects across all Transmission Owners.
kV	Kilovolt	Unit of electric potential or voltage.
LiDAR	Light Detection and Ranging	A laser-based survey method that captures accurate 3D terrain, vegetation and asset data to support design and construction planning.
Load UIOLI	Load Use-it-or-lose-it	An uncertainty mechanism in RIIO-ET3 which accelerates funding for lower-materiality load project via an allowance that can be recovered.
LR	The RIIO-T3 Load Re-opener Framework	The Load Re-opener provides Electricity Transmission Owners (ETOs) with a mechanism to request funding for load driven reinforcements.
MW	Megawatt	A unit for measuring electrical power
MVA	Mega Volt-Amperes	A unit of apparent power in electrical systems
NESO	National Energy System Operator	The independent body responsible for the planning and operation of the electricity system in Great Britain
NPF4	National Planning Framework 4	The Scottish Governments national spatial strategy for Scotland. Sets out spatial principles, regional priorities, national developments and national planning policy.
NPV	Net Present Value	The difference between the present value of cash inflows and the present value of cash outflows over a period of time.
ODD	Optimal Delivery Date	Reflects an assessment of the date on which delivery of a project would bring the most benefits for the consumers.
ODI	Output Delivery Incentive	ETO's are eligible for financial rewards if projects are delivered on or before the set date. ETO's are liable for penalties if those projects are delivered late.
OHL	Overhead Line	Typically, steel lattice towers, steel or wood poles used to carry high voltage conductors over distance.
OPEX	Operational Expenditure	Costs incurred for operational activities.
PASE	Pre-approval of solution by Engineering	A framework set by Ofgem. A set of pre-approved optioneering designs, preferred technology types and configurations that are typically efficient, deliver the lowest whole-life cost to consumers and, where applicable, build capacity for future network expansion.
PCD	Price Control Deliverable	Set by Ofgem, PCDs are used to set expectations for the outcomes of projects and to manage the timing and delivery of these outcomes.

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PCF	Pre-Construction Funding	Provides Transmission Owners with funding at early stages of project development to continue to design and seek consent for large ET investments.
SHET	Scottish Hydro Electricity Transmission	Responsible for the electricity transmission network in the north of Scotland.
OSR	Ofgem Scheme Reference Number	The Ofgem provides a unique value for all non0load and load related schemes.
Sole Use Works	Sole Use Enabling Works	Transmission Assets that are exclusively for a specific customers use.
SSEN-T	Scottish and Southern Electricity Networks Transmission	Responsible for the electricity transmission network in the north of Scotland.
TCA	Transmission Connection Assets	Assets used to connect a customer to the grid. These are paid for by the customer.
TDD	Target Delivery Date	A determined date utilising the P50 delivery date and Optimal Delivery Date (ODD). Part of the Major Projects ODI-F framework.
TOCA	Transmission Owner Connection Agreement	The formal agreement between Transmission Owners, the NESO and the Customer. Outlining the terms and conditions for connecting to the electricity transmission network.
UGC	Underground Cable	Insulated conductors used to transfer high voltage electricity below ground. Offers reduced visual impact and utilised when OHL solution is not possible.
Volume Driver	Generation and Demand Connections Volume Drivers	Provide flexible funding for ETOs to invest in the transmission network in response to the uncertain need for new generation or demand customers to connect.

Table 15: Glossary of Terms