



# **Hagshaw Energy Cluster – Western Expansion**

## **Phase I**

### **PRE-APPLICATION CONSULTATION REPORT**

**March 2025**







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# 1. Introduction

## 1.1 Overview

- 1.1.1 This Pre-Application Consultation (PAC) Report accompanies a Section 36 (S36) consent application being made by Spirebush Ltd (hereafter referred to as 'the Applicant') to the Scottish Ministers which seeks consent under the Electricity Act 1989 (and requests associated deemed planning permission) to construct and operate the Hagshaw Energy Cluster- Western Expansion | Phase 1 (hereafter referred to as the 'Proposed Development') on land within the Dungavel Forest in South Lanarkshire and on farmland to the north of Muirkirk in East Ayrshire, Scotland.
- 1.1.2 This application is supported by an Environmental Impact Assessment (EIA) Report as required by The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017. The EIA Report has been prepared to assess the potential environmental impacts of the Proposed Development and will accompany the S36 Application submitted to Scottish Ministers.
- 1.1.3 This PAC Report has been prepared by SLR Consulting Limited (SLR) on behalf of the Applicant and illustrates the consultation undertaken by the Applicant to date and how this consultation has informed the design process and finalised layout of the Proposed Development.
- 1.1.4 In accordance with best practice, a programme of pre-application community engagement has been undertaken by the Applicant. This Report gives details of the various meetings, correspondence, consultation and other discussions which have taken place with the local community, interested stakeholders and consultees. This Report also details the findings of that work and illustrates the ways in which consultation and community engagement has helped identify potential issues arising from the emerging proposal and, where appropriate, shape the final proposal which is now the subject of the S36 application.
- 1.1.5 The Applicant is grateful to residents and local representatives for their input into the pre-application community engagement process and for their assistance in facilitating discussions. Further details of how this was managed are provided below.

## 1.2 The Applicant

- 1.2.1 The Applicant for the Proposed Development is Spirebush Ltd, a company established by 3R Energy for the purpose of taking forward the Proposed Development. 3R Energy was established in 2009, with its head office now situated in Lanark. The company was initially established to help farms and rural businesses benefit from renewable energy, with the mainstay of the business being farm sized wind turbines, Combined Heat and Power (CHP) systems and biomass boilers. More recently, 3R Energy has diversified into larger-scale renewable energy projects and has developed over 330 megawatts (MWs) of onshore wind projects within the Hagshaw Energy Cluster (including a further 80 MWs of energy storage) which together will make a substantial contribution to the local area and to national renewable energy and climate change targets.
- 1.2.2 3R Energy is part of a family group of companies which also includes: Mitchell Energy Ltd, Mitchell Farming Partnerships and William Mitchell & Sons (WMS) Ltd, based at Newtonhead Farm Rigside and Hazelside Farm Douglas respectively, which manage the farming assets of the Group. Together the Group:
  - owns and manages 3,500 acres of land in the Douglas Valley.
  - has farmed the land for over 120 years.
  - generates a combined annual turnover of c. £6 m.
  - employs 15 people as a direct result of its renewable energy and farming operations within the Hagshaw Cluster.



- 1.2.3 As a local company, 3R Energy is committed to working with the communities closest to the Hagshaw Energy Cluster for the long term to develop and deliver successful projects which create significant and tangible benefits for the local area.

## 1.3 Site and Proposed Development Description

- 1.3.1 A full description of the Proposed Development can be found in **Chapter 3: Project Description** of the EIA Report submitted as part of the S36 application. The Proposed Development comprises up to approximately 415 MW of renewable energy generation and energy storage output capacity, consisting of approximately 130 MW wind energy, approximately 60 MW solar energy, approximately 25 MW short duration battery energy storage system (BESS), and approximately 200 MW long duration BESS.
- 1.3.2 The Proposed Development site is split into two main development areas, with the wind turbines located in the northern development area, and the solar and long duration BESS located within the southern development area. The wind development area is located within the Dungavel Forest directly to the west and south of the operational Dungavel and Kype Muir Wind Farms, within South Lanarkshire. The solar and long duration BESS development area is located approximately 1.4 km at its closest point to the north of Muirkirk in East Ayrshire. The two development areas are connected by a road corridor along the B743.

## 1.4 Purpose of Pre-Application Consultation

- 1.4.1 PAC Reports are a mandatory requirement for 'Major' planning applications as set out in The Town and Country Planning (Development Management Procedure) (Scotland) Regulations 2013. PAC Reports are not a legal requirement for applications made to the Scottish Ministers under S36 of the Electricity Act 1989. Nevertheless, the Applicant is committed to community engagement and as such has prepared this PAC Report in line with best practice to provide information on all activities undertaken to engage with the local community and demonstrate where local feedback has been considered throughout the design iterations of the Proposed Development.
- 1.4.2 This PAC Report is in addition to the Gatecheck Report submitted by the Applicant to the Energy Consents Unit (ECU) in October 2024.



## 2. Statutory Consultation

### 2.1 Introduction

- 2.1.1 This Section sets out the pre-application consultation undertaken by the Applicant with respect to statutory and non-statutory regulatory authorities and interest groups.

### 2.2 EIA Scoping

- 2.2.1 The purpose of EIA Scoping is to provide information on the likely environmental implications of a Proposed Development and determine the scope and extent of issues to be addressed.
- 2.2.2 Ahead of submitting a scoping request to the ECU the Applicant liaised with key stakeholders throughout 2021/2022 including NatureScot, the Royal Society for the Protection of Birds (RSPB), South Lanarkshire Council (SLC), East Ayrshire Council (EAC) to advise them of the emerging plans for the Proposed Development and submission of the EIA Scoping Report. A meeting was also held with the ECU on 06 May 2022 to formally introduce the project.
- 2.2.3 The EIA Scoping Report was subsequently submitted along with a request for an EIA Scoping Opinion to the ECU on 22 September 2022 and registered under reference **ECU00004623**. The scoping layout consisted of 72 turbines at up to 230 m tip height, c 50 MW of solar photovoltaic (PV) development and a c.100 MW BESS.
- 2.2.4 A Scoping Opinion was issued by the ECU on 14 March 2023 and included responses from the organisations outlined in **Table 2.1** below.

**Table 2.1 - Scoping Responses Received**

Consultee	
East Ayrshire Council	Joint Radio Company Limited
South Lanarkshire Council	Muirkirk Community Council
Historic Environment Scotland (HES)	Muirkirk Enterprise Group
NatureScot (previously "SNH")	NATS Safeguarding
Scottish Environment Protection Agency (SEPA)	ONR Land Use on behalf of Health and Safety Executive
British Telecommunications plc	RSPB Scotland
Crown Estate Scotland	Scottish Forestry
Defence Infrastructure Organisation	Scottish Water
Edinburgh Airport	South Scotland Scottish Raptor Study Group
Glasgow Airport	The Coal Authority
Glasgow Prestwick Airport	Transport Scotland

- 2.2.5 The comments received within the Scoping Opinion were incorporated into subsequent iterations of the Proposed Development layout. The most significant outcome of the scoping exercise, alongside subsequent consultations with NatureScot and the RSPB, was the decision to phase the development and remove all project infrastructure from within Muirkirk & North Lowther Uplands Special Protection Area (SPA) and associated Site of Special Scientific Interest (SSSI) from Phase 1 of the project (the Proposed Development).



## 2.3 Scoping Update

- 2.3.1 Given the number and nature of the changes made to the layout since it was first scoped in November 2022, it was decided to provide consultees with a Scoping Update report to inform all consultees of the changes as well as provide consultees with the opportunity to review their original scoping opinions if required.
- 2.3.2 The Scoping Update Report was subsequently submitted to the ECU on 08 February 2024 and registered under the same project reference: ECU00004623. The scoping update layout comprised approximately 487 MW: 26 turbines at up to 230 m tip height (c.187 MW), c.100 MW of solar energy and a c.200 MW BESS.
- 2.3.3 A revised Scoping Opinion was issued by the ECU on 17 March 2024 and included responses from the organisations outlined in **Table 2.2** below.

**Table 2.2 – Scoping Update Responses Received**

Consultee	
East Ayrshire Council	Joint Radio Company Limited
South Lanarkshire Council	Muirkirk Community Council
Historic Environment Scotland (HES)	Muirkirk Enterprise Group
NatureScot (previously “SNH”)	NATS Safeguarding
Scottish Environment Protection Agency (SEPA)	ONR Land Use on behalf of Health and Safety Executive
British Telecommunications plc	RSPB Scotland
Crown Estate Scotland	Scottish Forestry
Defence Infrastructure Organisation	Scottish Water
Edinburgh Airport	South Scotland Scottish Raptor Study Group
Glasgow Airport	The Coal Authority
Glasgow Prestwick Airport	Transport Scotland

- 2.3.4 In response to HES’s consultation response and further consultation meetings and correspondence a number of changes were made to reduce impacts on the setting of Dungavel Hill Cairn including:
- Removal of T2 and relocation of T3 (now T2) c.180 m west to improve views north from Dungavel Hill Cairn.
  - Removal of T7 to improve views south from Dungavel Hill Cairn, giving direct view of Cairn Table respecting the intervisibility of cairns in the surrounding landscape.
- 2.3.5 A number of turbines were removed or relocated in order to avoid the core areas of the proposed Dungavel Wind Farm Habitat Management Plan (HMP), raised as a concern by NatureScot in their response. This included:
- Relocation of T15 (now T13) c.150 m east to take it out of proposed HMP areas.
  - Removal of T16 and T20 as they were in proposed HMP areas. T22 removed to improve spacing between turbines.
- 2.3.6 Following additional peat probing and consultation with SEPA, T15 was removed due to its location within an area of deeper peat.





- 2.3.7 Details of relevant consultations and the measures taken to address the advice received through the EIA scoping process are provided within the Gatecheck 1 Report (refer to **Technical Appendix 4.5** of the EIA Report).

## 2.4 Gatecheck 1

- 2.4.1 The Gatecheck 1 Report submitted by the Applicant to the ECU in October 2024 (refer to **Appendix 4.4** of the EIA Report). Chapter 2 and **Chapter 4** of the EIA Report also provides specific details on where the EIA has responded to the advice received throughout the scoping process.
- 2.4.2 **Table 2.3** outlines those consultees that responded to the Gatecheck Report.

**Table 2.3 – Gatecheck Responses Received**

Consultee	
Glasgow Airport	Ministry of Defence
Glasgow Prestwick Airport	NATS Safeguarding
HES	NatureScot

- 2.4.3 NatureScot in their response noted that the Proposed Development would need to consider and address the matter of the Dungavel Wind Farm HMP areas at Dungavel Forest within the application.
- 2.4.4 The Applicant has sought a range of legal and technical expertise in drawing together a comprehensive outline Habitat Management and Enhancement Plan (HMEP) (**Appendix 7.5** to the EIA Report) to both compensate for the loss of habitat areas from the Proposed Development (including areas within the Dungavel Wind Farm HMP) but also provide significant enhancement measures. A draft outline of the HMEP was circulated to NatureScot and RSPB ahead of submission.
- 2.4.5 The Applicant has also maintained ongoing consultation directly with relevant stakeholders to resolve known constraints and potential impacts to aviation and radar infrastructure. Detailed analysis and assessment of potential mitigation solutions have been commissioned, the results of which are still awaited at the time of submission.

## 2.5 Overview of Statutory Consultation

- 2.5.1 **Table 2.4** provides details around the consultation undertaken with statutory consultees during the development process to date. Further details are provided within **Appendix 4.6** of the EIA Report and within each of the EIA Report technical chapters (**Chapters 5 to 15**)

**Table 2.4 - Overview of Statutory Consultation**

Date	Persons	Description of Correspondence
South Lanarkshire Council (SLC)		
08/08/2022	3R Energy to SLC	Request for pre-scope meeting
20/09/2022	3R Energy to SLC	Details of the PAC events
13/10/2022	ITPEnergised (now SLR) to SLC and EAC	Baseline survey methodology
17/10/2022	SLC to ITPEnergised (now SLR)	Confirming Noise Baseline Approach
09/11/2022	ITPEnergised (now SLR) to SLC	Advise of survey delays
15/11/2022	ITPEnergised (now SLR) to SLC and Accon (EAC advisors on noise)	Advise that noise monitors are <i>in situ</i>
21/11/2022	ITPEnergised (now SLR) to SLC	Data request



Date	Persons	Description of Correspondence
28/11/2022	ITPEnergised (now SLR) to SLC and Accon	Priesthill and advise SoDAR deployed
05/01/2023	SLC to ITPEnergised (now SLR)	Private Water Supply (PWS) Data Request
16/01/2023	Bidwells to SLC	Dungavel Windfarm Habitat Management Plan (HMP)
03/03/2023	3R Energy, ITPEnergised (now SLR) and SLC	Project update meeting
07/11/2023	ITPEnergised (now SLR) to SLC	PWS Freedom of Information request
06/12/2023	SLC to ITPEnergised (now SLR)	PWS response
14/02/2024	ITPEnergised (now SLR) to SLC and EAC	Email update on project programme and consultation on public exhibition dates, venues and advertising
10/12/2024	SLR to SLC	Shared Zone of Theoretical Visibility (ZTV) and proposed viewpoints for landscape assessment
14/01/2025	SLR to SLC	Noise limit derivation
28/01/2025	SLR to SLC	Confirmation of agreed noise limits
03/02/2025	SLR to SLC	Proposed cumulative dataset
<b>East Ayrshire Council (EAC)</b>		
08/08/2022	3R Energy to EAC	Pre-scope meeting
20/09/2022	3R Energy to EAC	Details of the PAC events
13/10/2022	ITPEnergised (now SLR) to SLC and EAC	Baseline survey methodology
26/10/2022	ITPEnergised (now SLR) to EAC	Request when to expect a response
15/11/2022	ITPEnergised (now SLR) to Accon and SLC	Noise survey record sheet/noise monitors <i>in situ</i>
21/11/2022	ITPEnergised (now SLR) to EAC	Priesthill and SoDAR still to be confirmed
21/11/2022	ITPEnergised (now SLR) to Accon and SLC	Data Request
28/11/2022	ITPEnergised (now SLR) to Accon and SLC	Priesthill and SoDAR deployed
01/12/2022	ITPEnergised (now SLR) to Accon and SLC	Address queries
12/12/2022	EAC to ITPEnergised (now SLR)	Data request response
01/02/2023	3R Energy to ITPEnergised (now SLR)	Access from B743
10/03/2023	3R Energy, ITPEnergised (now SLR) and EAC	Project update meeting
07/11/2023	ITPEnergised (now SLR) to EAC	PWS Freedom of Information Request
14/02/2024	ITPEnergised (now SLR) to SLC and EAC	Email update on project programme and consultation on public exhibition dates, venues and advertising
15/02/2024	EAC to 3R Energy	Acknowledgment scoping update
10/12/2024	SLR to EAC	Shared ZTV and proposed viewpoints for landscape assessment
14/01/2025	SLR to EAC	Noise limit derivation
03/02/2025	SLR to EAC	Proposed cumulative dataset
04/02/2025	3R Energy to SLC	Notice of third round of public exhibitions regarding potential alternative abnormal load route



Date	Persons	Description of Correspondence
07/02/2025	EAC to SLR	No addition to cumulative dataset within EAC (agreed cut-off date as end of 2024) and request for additional nighttime viewpoints representing Muirkirk if they have views of aviation lighting
<b>ECU</b>		
22/02/2022	ITPEnergised (now SLR) to ECU	Notification of new project
31/03/2022	ECU to ITPEnergised (now SLR)	HECWE case officer
06/05/2022	3R Energy, ITPEnergised (now SLR) and ECU	Project intro meeting
14/07/2022	ECU to ITPEnergised (now SLR)	Scoping request update
20/07/2022	ITPEnergised (now SLR) to ECU	Consultee list
11/08/2022	ECU to ITPEnergised (now SLR)	Project Information Brochure
22/09/2022	ITPEnergised (now SLR) to ECU	Updated consult list and timescales
22/09/2022	ITPEnergised (now SLR) to ECU	Submission of scoping request
04/10/2022	ITPEnergised (now SLR) to ECU	Scoping out for consultation
07/10/2022	3R Energy to ITPEnergised (now SLR)	Notification of PAN proceedings
10/10/2022	ITPEnergised (now SLR) to ECU	JRC and MOD extra info
14/10/2022	ECU to ITPEnergised (now SLR)	Scoping Responses up to 14/10/22
14/10/2022	ECU to ITPEnergised (now SLR)	Consultation Response
21/10/2022	ECU to ITPEnergised (now SLR)	Extension to scoping for RSBP, SEPA and NatureScot
21/10/2022	3R Energy to ECU	Accept extensions
03/11/2022	ECU to undisclosed recipients	Increase to fees
09/01/2023	ITPEnergised (now SLR) to ECU	Accept SLC extension request
15/03/2023	ECU to ITPEnergised (now SLR)/3R Energy	Scottish Government Scoping Opinion
20/03/2023	3R Energy to ECU	Request for meeting
05/05/2023	3R Energy, ITPEnergised (now SLR), EAC, SLC and ECU	Post-scoping meeting
23/08/2023	ECU to ITPEnergised (now SLR)/3R Energy	Scoping consultation housekeeping
08/02/2024	ITPEnergised (now SLR) to ECU	Submission of scoping update
21/02/2024	ECU to consultees	ECU to consultees scoping opinion required
06/03/2024	ECU to ITPEnergised (now SLR)	First set of Scoping update responses
12/04/2024	3R Energy to ECU	Ok to RSPB extension
15/05/2024	3R Energy to ECU	Response to SLC Biodiversity Officer comments
17/05/2024	ECU to ITPEnergised (now SLR)	ECU scoping update Opinion
04/02/2025	3R Energy to ECU	Notice of third round of public exhibitions regarding potential alternative abnormal load route
<b>SEPA</b>		
28/09/2022	3R Energy to SEPA	Initial contact message
23/03/2023	Planning officer to SEPA	Request for a meeting
24/04/2023	Planning officer to SEPA	Pre-call details and information
25/04/2023	3R Energy, ITPEnergised (now SLR), RPS and SEPA	Meeting to discuss peat and ecology



Date	Persons	Description of Correspondence
15/05/2023	ITPEnergised (now SLR) to SEPA	Meeting notes issued
06/06/2024	ITPEnergised (now SLR) to SEPA	Email to confirm SEPA would be available to attend meeting to discuss layout. Request for additional plans showing Scoping Update layout (Layout AO) overlain with latest layout and peat probing data
06/06/2024	SEPA to ITPEnergised (now SLR)	Request further plans prior to meeting
13/06/2024	ITPEnergised (now SLR) to SEPA	Requested plans provided
23/07/2024	ITPEnergised (now SLR) and SEPA	Meeting to discuss Layout AU. Hydrology lead presented findings of PWS survey and asked about appropriate setbacks required for solar development.
23/07/2024	SEPA to ITPEnergised (now SLR)	Email sharing new SEPA final draft 'Guidance on Assessing the Impacts of Developments on Groundwater Abstractions' within which it states that piling would fall under stage 1a) "all activities" for which a 10_m buffer would be required
24/07/2024	SEPA to ITPEnergised (now SLR)	Thanks for meeting and guide to PWS assessment
10/09/2024	ITPEnergised (now SLR) to SEPA	Email sharing meeting note for July meeting and sharing latest layout iteration (Layout AV) which includes SEPA's suggested removal of T15
11/09/2024	SEPA to ITPEnergised (now SLR)	Email stating that SEPA welcome decision to remove T15 and that they will provide further comment on layout when Gatecheck report received
<b>HES</b>		
11/05/2023	CFA archaeology to HES	Request for pre-app consultation meeting
02/06/2023	CFA archaeology to HES	Photowires for meeting sent
05/06/2023	CFA archaeology to HES	Updated turbine numbers on wirelines
12/06/2023	3R Energy, ITPEnergised (now SLR), CFA and HES	Project update meeting
15/06/2023	ITPEnergised (now SLR) to HES	HECWE Consultation meeting notes
23/06/2023	HES to ITPEnergised (now SLR)	Confirmation on meeting notes
21/02/2024	CFA archaeology to HES	Email to arrange a meeting to discuss the Proposed Development design changes and how it may impact the setting of Dungavel Hill cairn (SM2848)
14/03/2024	ITPEnergised (now SLR) to HES	Email sharing updated 360-degree cumulative wirelines for Layout AQ ahead of meeting the following week
18/03/2024	3R Energy, CFA, ITPEnergised (now SLR) and HES	Meeting to discuss Layout AQ. HES suggested some amendments to layout, including removal of two turbines to improve intervisibility with Cairn Table (SM4631), Blacksidend cairn (SM2924), and Glen Garr cairn (SM2469)
26/03/2024	ITPEnergised (now SLR) to HES	Email sharing amended Layout AR and updated 360-degree wireline with the removal of T3 and T7. Further turbines removed for ecological considerations
17/04/2024	HES to ITPEnergised (now SLR)	Response to March layout amendments
25/06/2024	ITPEnergised (now SLR) to HES	Email sharing amended Layout AU and updated 360-degree wirelines. Amendments to layout from previous iteration shared included dropping a further two turbines and dropping tip heights of some turbines to 200 m, in particular for T6 to reduce impact on Dungavel Hill cairn
16/07/2024	HES to ITPEnergised (now SLR)	Letter response to Layout AU. HES welcomed the reduction in tip height of T6 and commented that removal of additional turbines in this direction has opened up views beyond. HES noted it is likely that the cairn will experience significant impacts, but it is their opinion that these are unlikely to warrant an objection
21/01/2025	CFA to HES	To agree final VPs and visuals
23/01/2025	CFA to HES	Clarify ZTV for visuals



Date	Persons	Description of Correspondence
12/12/2024	HES to SLR	Request for detail of peat probing locations near Dungavel Hill Cairn Scheduled Monument
10/03/2025	SLR to HES	Provision of requested peat probing locations
11/03/2025	HES to SLR	Confirmation that probing locations were outside the Scheduled Monument
<b>NatureScot</b>		
06/12/2021	3R Energy to NatureScot	Hagshaw Energy Cluster Development Consultation
11/03/2022	3R Energy to NatureScot	Financing of SPA paper
24/03/2022	NatureScot to 3R Energy	Local Case Officers named
01/04/2022	NatureScot to 3R Energy	Moxely paper and intro call
26/04/2022	3R Energy to NatureScot	Proposed Scope of Eco Ornithology Surveys
05/05/2022	NatureScot to 3R Energy	Comments on Scope of Ecology & Ornithology Surveys
12/05/2022	ITPEnegised (now SLR) to NatureScot	Follow up on scope of surveys
30/08/2022	NatureScot to 3R Energy	Thanks for brochure, await Scoping Report
11/10/2022	3R Energy to NatureScot	Clarification on funding and mitigation
13/10/2022	3R Energy to NatureScot	Ornithological Baseline
14/10/2022	NatureScot to 3R Energy	Request to extend scoping
22/12/2022	NatureScot to 3R Energy	Hagshaw meeting
23/02/2023	3R Energy, ITPEnegised (now SLR), RPS, South Scotland Raptor Study Group and NatureScot	Project update meeting
Month of 04/2024	3R Energy, RPS and NatureScot	Emails to arrange a meeting with NS and RSPB in June 2024
04/06/2024	3R Energy, RPS, ITPEnegised (now SLR), RSPB and NatureScot	Meeting to discuss latest design (Layout AU) and habitat management proposals including potential impacts on Dungavel Wind Farm's approved Habitat Management Plan
14/02/2025	3R Energy to NatureScot	Provided draft of Outline Habitat Management Plan
26/02/2025	NatureScot to 3R Energy	Thanks for providing draft of Outline Habitat Management Plan
<b>RSPB</b>		
01/10/2021	3R Energy and RSPB	Project information meeting
06/10/2022	3R Energy to RSPB	Scoping Report submission and meeting arrangements
11/10/2022	ITPEnegised (now SLR) to RSPB	Scoping Report confidential figure
12/10/2022	3R Energy to RSPB	Clarification of habitat funding proposals
04/06/2024	3R Energy, RPS, ITPEnegised (now SLR), RSPB and NatureScot	Meeting to discuss latest design (Layout AU) and habitat management proposals including potential impacts on Dungavel Wind Farm's approved Habitat Management Plan
06/11/2024	3R Energy to RSPB	Proposed strategy for Outline Habitat Management Plan
17/12/2024	RPS to 3R Energy	RPS call with RSPB
14/02/2025	3R Energy to RSPB	Provided draft of Outline Habitat Management Plan
17/02/2025	RSPB to 3R Energy	Thanks for providing draft of Outline Habitat Management Plan, will not consider before submission



## 3. Community Consultation

### 3.1 Introduction

- 3.1.1 This section sets out engagement activities undertaken by the Applicant with the local community, local stakeholders and community groups, including community councils, to inform the development process. Community engagement is a key element of the consenting process, and, at all times, the Applicant has sought to ensure that the local communities are fully informed of the Proposed Development, provided with opportunities to provide comment on the proposals, receive early notification of events and any changes to the proposals and the application timeframes have been communicated.
- 3.1.2 As a local business, the Applicant has sought to build relationships with the local communities surrounding the project, pursuing local opinion and addressing questions about the proposals. The Applicant has sought to provide a point of contact – telephone number and email address – and encourage local residents to get in touch. The project website has also provided a useful stream of information about the Proposed Development, events and background information.
- 3.1.3 The Applicant confirms that the company will continue to liaise with the local community during the Section 36 application process and during the construction, operational and decommissioning phases of the Proposed Development.
- 3.1.4 **Table 3.1** below details the various forms of engagement the Applicant has used to disseminate project information and seek community feedback.

**Table 3.1 –Overview of the Different Engagement Materials**

Consultation Activity	Description
Project website	A dedicated project website ( <a href="https://3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/">https://3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/</a> ) which has been updated through the development process detailing project information and links to materials (downloads) and Applicant contact information (refer to <b>Appendix 3.1</b> )
Project Information Summary	Short booklet on the introduction to the Hagshaw Energy Cluster – Western Expansion (prior to formal Scoping being undertaken) (refer to <b>Appendix 3.2</b> ). This was distributed to both statutory and local consultees and stakeholders
Advertisements in local newspapers and project website	Adverts explaining the PAC process for the project and the various ways in which people can make their views known, as well as where to go to find the relevant information and attend consultation events.
Project information boards available project website	Consultation boards were available on the project website –link to the boards are well publicised on website.
Feedback Forms	Feedback forms available at consultation events with the option to leave at the event, email or post back.
Mail drop to properties within 2 km of the site	A summarised copy of project information on the boards generated as a leaflet was mail dropped to properties within 2 km of the site ahead of public consultation events (1 and 2).
Email address	Provision of an email address for people to contact with queries and to provide a response: <a href="mailto:communities@3renergy.co.uk">communities@3renergy.co.uk</a> . A register of comments received and responses given is included in the PAC report (refer to <b>Table XX</b> ).
Telephone/Videocall appointments	Provision for people to book a telephone / video conference appointment to talk through the plans and ask any questions they may have – slots can be booked through the project website (refer to <b>Appendix 3.1</b> ).



## 3.2 Community Councils

- 3.2.1 The Applicant recognises that the communities closest to the proposals are represented by a variety of organisations, including community councils. During the initial scoping process, the Applicant identified the following relevant community councils within proximity to the HEC-WE development site (Phases 1 and 2 combined) as being:
- Muirkirk Community Council
  - Sandford & Upper Avondale Community Council
  - Lesmahagow Community Council
  - Douglas Community Council
  - Coalburn Community Council
- 3.2.2 Prior to the submission of the Scoping Report to the ECU, the Applicant engaged representatives of the local community councils to inform them of the proposals and request the opportunity to meet with members. This contact was subsequently continued throughout the consultation process. These community councils were kept updated on the progress of the proposals and invited to attend the first round of consultation events (see **Section 3.3**).
- 3.2.3 Engagement with community councils largely took the form of face-to-face meetings, telephone calls and written updates. This was supplemented with ongoing one-to-one engagement with near neighbours, members of the local community, other groups and key stakeholders, as required.
- 3.2.4 Following the decision to only proceed with Phase 1 of the Proposed Development at this stage the number of relevant community councils in proximity of the site boundary was reduced to:
- Muirkirk Community Council
  - Sandford & Upper Avondale Community Council
  - Douglas Community Council
- 3.2.5 These community councils were kept updated on the progress of the proposals and invited to attend the second round of consultation events (see **Section 3.3**). Further assessment in 2024 of the abnormal load routes for Phase 1 alone looked at alternative ways to get to the Proposed Development's northern development area with wind turbine components. The Applicant decided to have two possible routes included within the application, one which broadly followed the previously consulted route: leaving the M74 at junction 11 through the Hagshaw Cluster to Muirkirk and onwards to site, and a second which leaves the M74 at junction 8 and follows the A71, through Stonehouse and Strathaven before meeting the B743 and on to site. As such, the Applicant wanted to make sure it had consulted with all of the relevant community councils along both route options from the M74 within the overall consultation process. Those community councils now include:
- Stonehouse Community Council
  - Coalburn Community Council
  - Lesmahagow Community Council
  - Muirkirk Community Council
  - Douglas Community Council
  - Strathaven & Glassford Community Council
  - Sandford & Upper Avondale Community Council
- 3.2.6 These community councils were invited to attend the second round of consultation events (see **Section 3.3**).





### 3.3 Public Consultation Events

- 3.3.1 In addition to direct engagement with stakeholders, the Applicant held a series of events staggered throughout the consultation process. This consisted of three rounds of events, the first following the submission of the Scoping Report, the second round prior to design freeze, and the third after the inclusion of a revised abnormal load transport route option.
- 3.3.2 These events were designed to attract local residents and key local stakeholders, and provided the opportunity to meet with members of the project team, view the proposals, ask questions and submit their views.
- 3.3.3 The events were advertised through a variety of communication methods. These included:
- A leaflet issued to all households within 2 km of the site;
  - Advertising for two consecutive weeks prior to the event within a local newspaper both in SLC and EAC. These included the Carlisle & Lanark Gazette, the Cumnock Chronicle, the East Kilbride News and the Strathaven Echoes;
  - Posters located in local community shops/halls;
  - Project website; and
  - Direct engagement with key stakeholders including community councils, ward councillors, MSPs and MPs.
- 3.3.4 Members of the public who were unable to make the events were encouraged to view the materials online on the official project website. There was also the opportunity to submit questions via email, text and/or call an available team member with any queries and request additional information.
- 3.3.5 It was made clear by the Applicant that the purpose of the PAC exercise is not to replace the formal application consultation process in which representations can be made to the Scottish Ministers via the Scottish Government Energy Consents Unit. This was explained during discussions and in the newspaper advert and on the public exhibition boards.

#### First Round of Public Exhibitions

- 3.3.6 The first round of Public Consultation Events was held in November 2022, just after submission of the Scoping Request to Scottish Ministers, to inform and consult with those communities closest to the Proposed Development. Exhibitions were carried out at the following locations:
- Muirkirk, 14 November 2022, 2pm – 7pm
  - Sandford, 15 November 2022, 2pm – 7pm
  - Lesmahagow, 16 November 2022, 2pm – 7pm
  - Douglas, 17 November 2022, 2pm – 7pm
  - Coalburn, 21 November 2022, 2pm – 7pm
- 3.3.7 The purpose of the exhibitions was to outline draft proposals for the site and gain initial feedback. The exhibition materials are included in **Appendix 3.3**.
- 3.3.8 Visitors to the events were able to speak to members of the Applicant team, who were accompanied by the technical team, have their questions answered and provide their feedback – either at the event, online or by post.
- 3.3.9 The number of attendees at each of the five above events and the number of feedback forms received are outline in **Table 3.3** below.





Table 3.2 – Round One Number of Attendees and Feedback forms

Event	No. Attendees	No. Feedback Forms
Muirkirk	36	19
Sandford	10	7
Lesmahagow	4	2
Douglas	8	3
Coalburn	7	3
Totals	65	34

3.3.10 A summary of the topics raised within the feedback forms received is presented within the word cloud below. The potential of a Local Energy Discount Scheme was the most raised topic with 15 responses citing this, followed by Community Benefit (14). Matters surrounding landscape and visual was the most reported environmental issue with 4 responses.



3.3.11 A summary of the comments received is presented in Table 3.3, along with the Applicant's response.

Table 3.3 – Summary of Feedback and Applicant's Response

Comments Received	Applicant's Response
What provision is there for the restoration of peat and damage to springs which act as private water supplies.	Habitat loss calculations have shown that the Proposed Development will result in the loss of approximately 2.8 ha of peatland habitats. The Proposed Development is committing to approximately 56 ha of peatland restoration to both mitigate the effects of the development and further enhance peatland habitats within the site (refer to <b>Technical Appendix 7.5</b> of the EIA Report). A survey of the local private water supplies and their sources was undertaken as part of the EIA. The private water supply assessment can be found in <b>Technical Appendix 8.2</b> of the EIA Report and found no significant effects to local supplies subject to standard mitigation measure being in place during construction and water quality monitoring being undertaken.



Comments Received	Applicant's Response
Link up with the Green Path Network and the old railway line from Larkhall. Provide access to cyclists along new track network.	The comment relates to infrastructure that now falls outwith Phase 1 of the HEC-WE development.
Local Energy Discount Scheme is a very good idea and should be developed fully.	Further details on how this scheme could be implemented will be subject to consultation with the closest communities at a later date.
Concern around cumulative impact of aviation lighting, particularly along the A70.	The Proposed Development does include for 8 turbines to be lit with aviation lighting. The Applicant has sought to reduce the number of aviation lights on all turbines to those on the periphery to reduced nighttime effects. The nighttime visual assessment found there to be no significant effects to receptors (refer to <b>Chapter 5</b> of the EIA Report)
There are exiting issues with motorcyclists using the land and damaging the paths and environment on land around the CHP plant (Limekilns to Douglas)	The comment relates to infrastructure that now falls outwith Phase 1 of the HEC-WE development. The Applicant and other interested stakeholders were made aware of the situation at the time.
Prefer if grid connecting cables were laid underground.	Noted. The subject of whether the cables are undergrounded or overhead will be subject to further consultation by the Network Operator.
How will the community benefit be managed?	Further details on how the community benefit funding will be managed will be subject to consultation with the closest communities at a later date.

### Second Round of Public Exhibitions

- 3.3.12 A second round of Public Consultation Events was held in March 2024, after submission of the Scoping Update report to Scottish Ministers, to consult with those communities closest to the revised Proposed Development and update them on the changes made. Exhibitions were carried out at the following locations:
- Sandford, 19 March 2024, 2pm – 7pm
  - Muirkirk, 20 March 2024, 2pm – 7pm
  - Douglas, 21 March 2024, 2pm – 7pm
- 3.3.13 As per the first round of exhibitions, visitors to the events were able to speak to members of the Applicant team and environmental team. The exhibition materials for the second round of exhibitions are included in **Appendix 3.4**.
- 3.3.14 The number of attendees at each of the five above events and the number of feedback forms received are outline in **Table 3.4** below.

**Table 3.4 – Round Two Number of Attendees and Feedback forms**

Event	No. Attendees	No. Feedback Forms
Sandford	5	3
Muirkirk	17	11
Douglas	14	0
<b>Totals</b>	<b>36</b>	<b>14</b>



- 3.3.15 A summary of the topics raised within the feedback forms received is presented within the word cloud below. The potential of a Local Energy Discount Scheme was again the most raised topic with 6 citations, followed by Community Benefit (5). Matters surrounding visual effects (2 citations) and transport routes (3 citations) to the site were the most reported environmental issues.

Visual Impact  
Community Benefit  
Local Energy Discount Scheme  
Local Supplier Information  
Local Transport Impacts

- 3.3.16 A summary of the comments received is presented in **Table 3.5**, along with the Applicant's response. Three local supplier forms were also completed at the event.

**Table 3.5 - Summary of Feedback and Applicant's Response**

Comments Received	Applicant's Response
Concern was raised over the potential impacts from transport and abnormal load delivery through the village (Muirkirk), particularly around house vibrations and potholes.	At the time of the consultation the Applicant was proposing to move abnormal loads through the village of Muirkirk using a blade lifter to be able to turn north onto the B743 in the centre of the village. Following comments raised at the consultation and further technical analysis it is now proposed to use standard blade transporter straight through Muirkirk then turn north through 3 <sup>rd</sup> party land to join the B743 north of the village to reduce the amount of mitigation required and disruption to the residents.
Visual concerns raised by resident close to Strathaven.	All queries addressed at the event.
Turbines are a blot on the Scottish landscape, and we should use the resources (e.g. coal) already available.	A landscape and visual assessment has been undertaken of the Proposed Development and can be found in <b>Chapter 5</b> of the EIA Report. Both UK and Scottish energy policy and climate change targets require a shift from traditional energy supplies to renewable energy. The Proposed Development can make a meaning contribution to achieving those targets.
Local Energy Discount Scheme was raised as a key matter with much support.	As noted above, further details on how this scheme could be implemented will be subject to consultation with the closest communities at a later date.

### Third Round of Public Exhibitions

- 3.3.17 The third round of Public Consultation Events was held at the Strathaven Hotel in Strathaven on the 26 February 2025, between 2pm and 7pm.



- 3.3.18 The main purpose of the exhibition was to present and receive feedback on the inclusion of a revised abnormal load transport route option utilising the A71 through Stonehouse and Strathaven from junction 8 of the M74 motorway. The exhibition materials are included in **Appendix 3.5**.
- 3.3.19 Visitors to the event were able to speak to members of the Applicant team, have their questions answered and provide their feedback – either at the event, online or by post.
- 3.3.20 The number of attendees at the above event and the number of feedback forms received are outlined in **Table 3.6** below.

**Table 3.6 – Round Three Number of Attendees and Feedback forms**

Event	No. Attendees	No. Feedback Forms
Strathaven	19	9

- 3.3.21 A summary of the topics raised within the feedback forms received is presented within the word cloud below. The Local Energy Discount Scheme, Community Benefit and Transport routes were raised most often (2 citations each).

Public Access  
Transport Route  
Local Energy Discount Scheme  
Community Benefit  
Visual Impact

- 3.3.22 A summary of the comments received is presented in **Table 3.7**, along with the Applicant's response.

**Table 3.7 - Summary of Feedback and Applicant's Response**

Comments Received	Applicant's Response
Local Energy Discount Scheme should go towards the local community electricity bills.	As noted above, further details on how this scheme could be implemented will be subject to consultation with the closest communities at a later date.
Concerns raised over cumulative effects, with a lot of wind farm developments in the local area.	The Proposed Development follows an existing pattern of renewable energy development within the local area, with the northern development area falling within an established 'wind farm landscape'.
It would be good if the Proposed Development could ensure the local community can still access the site for recreational activities and maintain or enhance the current parking for cars. Route maps and/or interpretation boards would also be useful.	The Proposed Development would contribute to the enhancement of the outdoor recreation offering in the local area through the upgrading of existing, and creation of new, tracks within the northern development area at Dungavel Forest, which will be able to be used for activities such as walking, running, and mountain biking. Following feedback received, new parking provision at site entrances on the B743 will be created to improve accessibility.



Comments Received	Applicant's Response
Interest over how the community benefit would be distributed and that applying for funding should be made easier for locals. Suggestion that the CDLR (Coalburn, Douglas, Lesmahagow and Rigside) initiative manages the funds to ensure a fair distribution of benefits.	Further details on how the community benefit funding will be managed will be subject to consultation with the closest communities at a later date.
Attendees questioned why two abnormal routes were being proposed within the application (expressing concerns around the Browns Bridge and Trynlaw corner along Route 2), and why an alternative route via the M77 was not considered.	At the point of assessment, it was deemed that the Port of Entry would most likely be Glasgow King George V Docks for the Proposed Development and as such transport along the M74 to the site was considered most feasible. From the M74 there are two established abnormal routes (Route 1 from junction 11 of the M74 through the existing Hagshaw Energy Cluster and onwards to the site, and Route 2 from junction 8 of the M74 to the Kype Muir Cluster and onwards to the site). These were therefore assessed and can be found at <b>Appendix 11.1</b> of the EIA Report.

### Public Consultation Summary

- 3.3.23 On the whole, feedback from the closest communities to the Proposed Development has been largely positive. All communities were supportive of additional community benefits that would accrue for the local area as a result of the Proposed Development and recognised the significant opportunities this would create for the local area. The pre-application consultation exhibitions have helped identify the issues that are important to the local community and, where appropriate, shape the final proposal which is now the subject of this Section 36 application. In particular, the suggestion of a Local Energy Discount Scheme was highly supported throughout the feedback forms at all events and raised with the Applicant's team in person at each of the events.
- 3.3.24 The Applicant confirms that the company will continue to liaise with the local community during the Section 36 application process and during the construction, operational and decommissioning phases of the Proposed Development.

## 4. Wider Engagement

- 4.1.1 The Applicant has sought to engage the wider community, reach out to local interest groups and interact with key local stakeholders including ward councillors and local MSPs and MPs throughout the consultation process.
- 4.1.2 This has included regular written updates on the proposals; invitations and notifications of key events; and offering one-to-one meetings throughout the consultation process.
- 4.1.3 As a result, this has involved the Applicant supporting a number of local initiatives, attending a range of meetings and continuing to build relationships across the community.
- 4.1.4 A number of telephone discussions and in person meetings have also been held with landowners and residents closest to the site to inform them of the emerging development proposal and to discuss any comments which they may have.
- 4.1.5 Pre-application consultation with the ECU, SLC, and other statutory and non-statutory consultees is addressed within **Chapter 4** and **Appendix 4.1** of the Proposed Development EIA Report.



## 4.2 Supply Chain Engagement

- 4.2.1 The Applicant has committed to prioritising local companies in the provision of contracts during the development and construction and operational phases whilst observing procurement rules. The Applicant will promote these opportunities available to local suppliers. At each of the public consultation events 'Local Supplier Forms' were available for attendees to complete and or take away (see **Appendix 3.6**).
- 4.2.2 The Applicant's Responsible Contracting Policy (refer to **Technical Appendix 3.2** of the EIA Report), which aims to ensure that local and regional businesses have greater access to tender opportunities, would contribute to these commitments.
- 4.2.3 3R Energy has previously worked with local suppliers in the Hagshaw Energy Cluster. This involvement has benefited those businesses and contributed to their development.

## 5. Design Changes in Response to Feedback

- 5.1.1 As noted in the above sections, the final layout of the Proposed Development has altered significantly from an initial development layout comprising 72 turbines within the Scoping Report (2022) to the current layout of 18 turbines within the Proposed Development (refer to **Chapter 3** of the EIA Report). These layout alterations were made in response to comments received during the pre-application consultation process. **Chapter 2** of the EIA Report provides further details on design iteration.
- 5.1.2 **Table 5.1** summarises how some of the comments received as part of the pre-application consultation exercise, both with the community and statutory consultees have shaped the final layout of Proposed Development through the iterative design process.

**Table 5.1 – Changes to the Proposed Development as a Result of Pre-Application Consultation**

Comment	Raised By	Changes to the Proposed Development Proposals
Concerns over the direct impacts to the Muirkirk and North Lowther Uplands SPA and SSSI and ability to comply with the Conservation (Natural Habitats, &c.) Regulations 1994.	NatureScot and RSPB	The turbine layout was initially reduced from 72 turbines to 57 to minimise the direct impact to the Muirkirk and North Lowther SPA and SSSI.  The decision was later taken to phase the HEC-WE development into two phases. Phase 1, the Proposed Development, removes all development infrastructure from within the SPA/SSSI. The final number of turbines being applied for is 18.
Minimise impacts on existing commercial forestry and felling plans.	Scottish Forestry	At each design iteration the project forestry technical expert provided advice on adjustments that could be made to each layout to minimise the amount of felling required and reduce the economic loss to existing forestry operations.
Concerns raised over views from Dungavel Hill cairn (SM2848) and intervisibility with other nearby prominent hill top cairns.	HES	Two turbines were removed from the layout and Turbine 6 was reduced to a maximum tip height of 200 m to reduce impacts on the setting of Dungavel Hill cairn.
Concerns raised over the potential direct and indirect effects on the Dungavel Wind Farm Habitat Management Plan areas.	NatureScot and RSPB	The Applicant initially reduced the number of turbines in the layout by 2 to keep outwith of the core areas of the committed Dungavel HMP but considered that compensation and enhancement measures provided through the Proposed





Comment	Raised By	Changes to the Proposed Development Proposals
		Development's Outline HMEP would provide a better solution for the ornithological / ecological receptors, the SPA/SSSI, and the forestry operations.
Concern with turbine (then T15) located within the area marked as deeper peat within the eastern extent of the northern development area.	SEPA	Turbine (T15) removed from the layout and further amendments to the layout to reduce track length, reduce the number of water crossings and commitment to include floated tracks over areas of deep peat.
Concerns raised due to potential impacts on aviation flight procedures and radar operations.	Aviation stakeholders	Intervening layout looked to reduce the tip height at a number of turbine positions to try and remove potential impacts.  Further analysis and consultation revealed a potential alternative mitigation solution which would not require a reduction in turbine height (which was uneconomic in any event). Tip heights were reverted back to 230 m to tip (with the exception of T06 for reasons noted above).
Ability to use proposed access tracks for recreation; walking and cycling. Provision of off road parking.	Member of the public	The Proposed Development will upgrade existing tracks, and create new tracks within the northern development area at Dungavel Forest, which will be able to be used for activities such as walking, running, and mountain biking. New parking provision at site entrances on the B743 will be created to improve accessibility.
Concerns over cumulative aviation lighting.	Member of the public	The Applicant has consulted with aviation stakeholders to reduce the number of aviation lights from being on all turbines to perimeter turbines, and propose a reduced intensity lighting scheme (see EIA Report <b>Chapter 5</b> ).

- 5.1.3 The Applicant considers that the proposal strikes an appropriate balance between maximising renewable generation and electricity storage capacity from the site to ensure subsidy-free economic viability and delivery of a strong Community Benefit package, whilst ensuring environmental impacts remain within acceptable limits. The pre-application consultation exercise has helped identify the issues that are important to the local community and to refine the layout of the Proposed Development which is now the subject of this S36 application.

## 6. Community Benefit

- 6.1.1 Based on an estimated installed wind energy capacity of 129.6 MW (18 turbines x 7.2 MW) and a community benefit contribution of £5,000 per MW of installed wind energy capacity, plus an additional £20,000 per year for the long duration BESS, the Proposed Development would generate up to £668,000 per annum to support local groups and projects in the areas surrounding the site. Further information on the socio-economic benefits of the Proposed Development can be found in the stand-alone **Economic and Community Impact Report**.
- 6.1.2 The additional community benefits that would accrue for the local area as a result of the Proposed Development are substantial and some of the comments/feedback recognise the significant opportunities this would create for the local area.



## 7. Summary and Conclusion

- 7.1.1 Although not a statutory requirement for a S36 application, in line with best practice for the consenting stage of major development projects, a programme of pre-application community engagement has been undertaken by the Applicant. The Applicant has undertaken a number of exercises to ensure that the communities in closest proximity to the site are fully aware of the emerging development proposal and to ensure that the Applicant is aware of the views of the local communities in order to best design the finalised development scheme to mitigate any concerns wherever possible.
- 7.1.2 The Applicant has taken cognisance of all responses received and wherever possible has sought to adjust or amend the proposals to take on board the comments received, whilst ensuring that the Proposed Development remains economically viable. The Applicant would like to reiterate their thanks to the local community for their input into the pre-application community engagement process.
- 7.1.3 The Applicant confirms that the company will continue to liaise with the local community during the S36 application process and during the construction, operational and decommissioning phases of the Proposed Development.





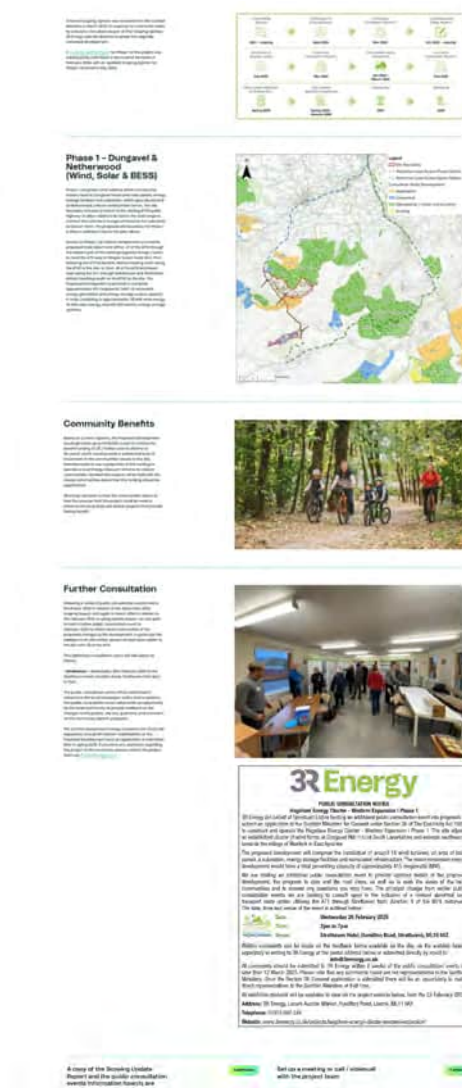
# Appendices



## Appendix 3.1 3R Energy Project Website

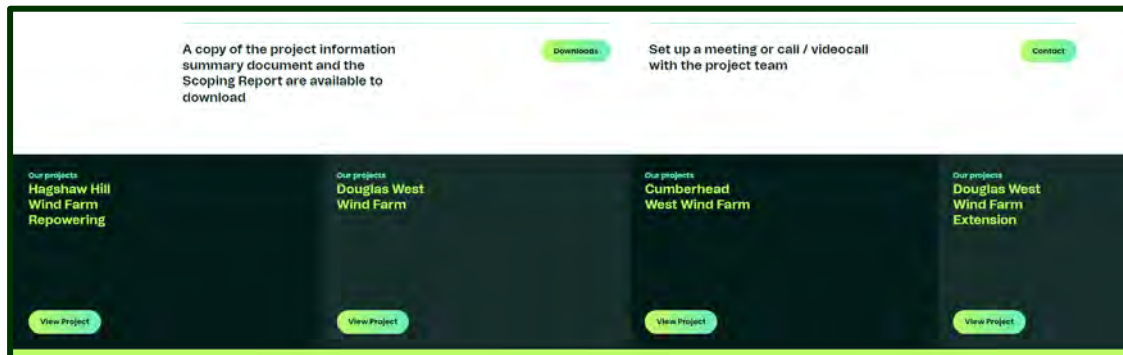
## Project Website

Main Page | <https://3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/>

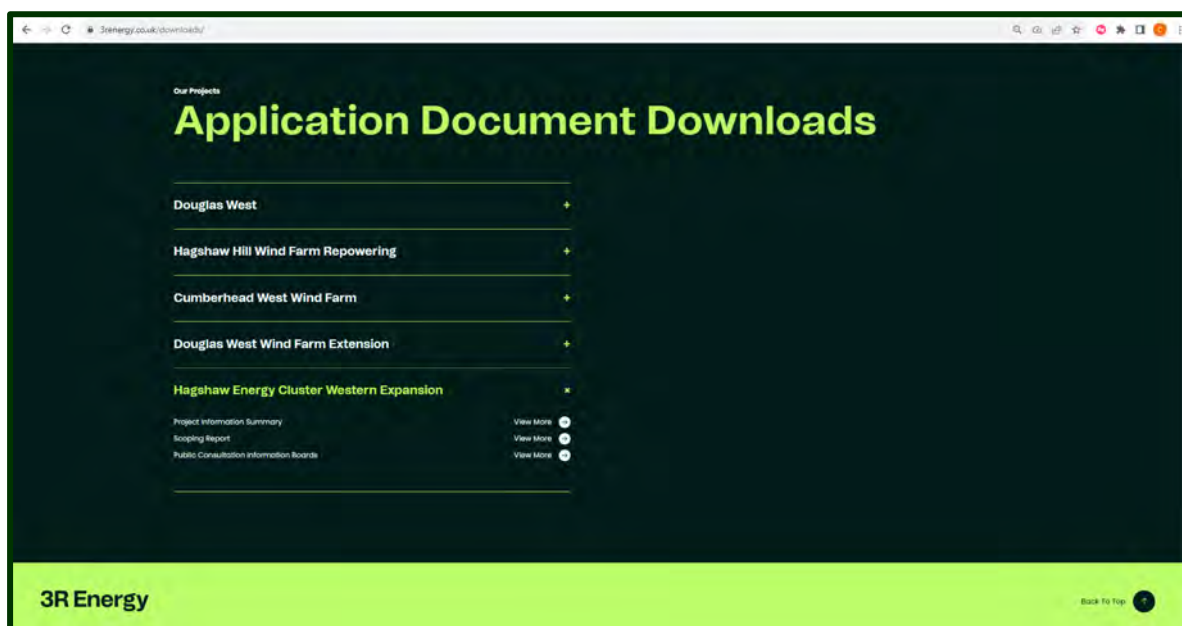




Enlarged section showing where to click for all project downloads and to arrange a call with a member of the project team:



Downloads Page | <https://3renergy.co.uk/downloads/> | Accessed Nov 2023

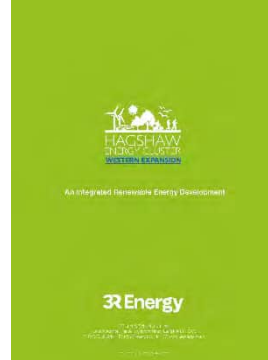
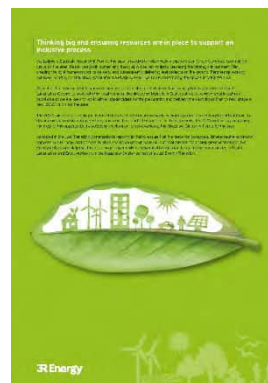
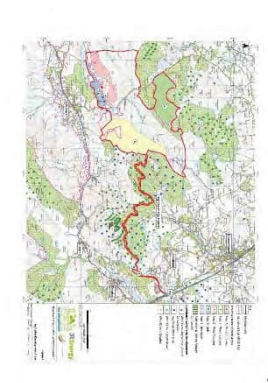
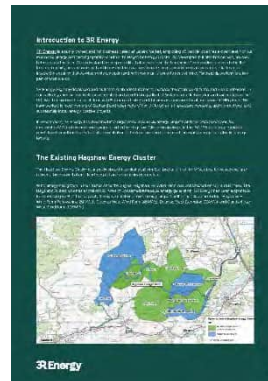
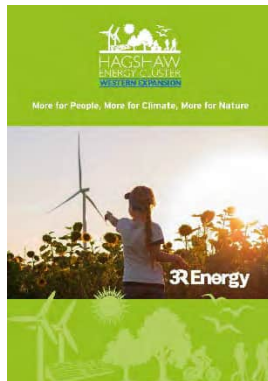




## **Appendix 3.2 3R Energy Project Introduction Booklet**



## Project Introduction Booklet





## **Appendix 3.3 Round 1 Public Exhibitions (Nov. 2022)**









## Main Events (Section36 Development – Wind, Solar & BESS component)

### 02 November 2022 Issue

**3R Energy**  
**PUBLIC CONSULTATION NOTICE**  
**Hagshaw Energy Cluster – Western Expansion**

3R Energy (on behalf of its project partners) are holding a series of consultation events to present the proposed project to the local community and to gather feedback on the proposed project. The project is a proposed 30MW wind farm, solar farm and battery storage facility located near Hagshaw, Dumfries and Galloway. The project is a proposed 30MW wind farm, solar farm and battery storage facility located near Hagshaw, Dumfries and Galloway. The project is a proposed 30MW wind farm, solar farm and battery storage facility located near Hagshaw, Dumfries and Galloway.

**FOR ALL YOUR LATEST INFORMATION ON PLANNING PROPOSALS, TRAFFIC NOTICES, GOODS VEHICLE OPERATOR LICENCES, LICENCES TO SELL ALCOHOL AND PROBATE NOTICES**

**SEE OUR PUBLIC NOTICES SECTION**

### 09 November 2022 Issue

**3R Energy**  
**PUBLIC CONSULTATION NOTICE**  
**Hagshaw Energy Cluster – Western Expansion**

3R Energy (on behalf of its project partners) are holding a series of consultation events to present the proposed project to the local community and to gather feedback on the proposed project. The project is a proposed 30MW wind farm, solar farm and battery storage facility located near Hagshaw, Dumfries and Galloway. The project is a proposed 30MW wind farm, solar farm and battery storage facility located near Hagshaw, Dumfries and Galloway. The project is a proposed 30MW wind farm, solar farm and battery storage facility located near Hagshaw, Dumfries and Galloway.

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**SEE OUR PUBLIC NOTICES SECTION**

## Cumnock Chronicle

Main Events - also placed on Cumnock Chronicle website.

### 02 November 2022 Issue

**3R Energy**  
**PUBLIC CONSULTATION NOTICE**  
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**SEE OUR PUBLIC NOTICES SECTION**

### 09 November 2022 Issue

(\*No digital Copy provided)

# strathaven echoes

Avondale's only local newspaper

Issue 864

October 28th 2022

35p

CAR Bus service launched successfully

Full story on page 8

Willie and Helen Barrie celebrate 50 years

Full story on page 8

Barntford receives funding for playpark and hall

Full story on page 21

Dynamo girls receive funding from Barntford

Full story on page 24

## ACADEMY SHOWCASES ITS MUSICAL TALENT

**STRATHVEN ACADEMY** held its latest Creative and Academic Showcases on October 11th and it was a celebration of music, photography and hospitality.

Judges Ian Thomson, Linda Ormiston and Rebecca Marshall had the impossible task of picking winners in the Young Musician of the Year.

Full story and more photos on page 12

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## Frets Creative funded by The National Lottery for Avondale Radio

**FRET'S CREATIVE** recently received confirmation that it had been awarded almost £10,000 by the National Lottery to support Avondale Radio, which was launched in March 2022.

The National Lottery Community Fund, Scotland Chair Kate Still, said: "National Lottery funding can make amazing things happen in local communities across the country. This project delivered by Fret's Creative CIC is a great example of community activity in action, showing just what can be achieved when people come together for a common cause or to help others. National Lottery prizes can be put to use to support the vital work and to help communities thrive."

Avondale Radio has gone from strength to strength since its launch. Station Manager Kenny Cusley said: "This funding will go a long way to making our radio station sustainable. We wanted to avoid advertising in our first year and this grant helps us with that. It also means we can buy specialist equipment for our presenters, who

are all volunteers. We are also extremely grateful to the Hyde Music Community Fund, which awarded us a grant recently, meaning we can buy a backup server and also cover licence costs for the next year."

Both of these awards, along with funding from local sponsors, goes a long way to ensuring we are able to continue to bring Avondale Radio to our ever-growing number of listeners, currently over 35,000."

## My name is Inna Popovych.

I'm from Ukraine, but now I'm living in Strathaven.  
I am looking for any part time job (from 8.15 to 2.45) in Strathaven. I have 2 children at school.

I have a Masters degree in Business Organisation management. I worked as a finance analyst in Ukraine and I have retail experience in the banking sector.

### Skills

- Able to analyse and optimize business processes to improve profitability and financial control.
- Experienced in the analysis and presentation of financial data using multiple applications (Excel, Power BI, PowerPoint).
- Able to prepare different Cash Flow and Profit & Loss reports and detailed analysis.
- Quick learner, able to learn on my own.
- Experienced user of MS Office: Word, Excel, Outlook.

I am currently improving my English language skills doing two 1 hour lessons in East Kilbride and three 1 hour online lessons per week.

If you think my skills could be of use to you, please email me - inna.popovych@gmail.com.

## 3R Energy

### PUBLIC CONSULTATION NOTICE

#### Hydrogen Energy Cluster - Western European

On 28th of August 2022, 3R Energy has received a grant from the European Union to support a hydrogen energy cluster in the Western European region. The grant will be used to support the development of a hydrogen energy cluster in the Western European region. The grant will be used to support the development of a hydrogen energy cluster in the Western European region. The grant will be used to support the development of a hydrogen energy cluster in the Western European region.

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\*No digital copy provided for 11 November





## Leaflet



### Hagshaw Energy Cluster - Western Expansion Public Consultation Leaflet

#### Who are we?

3R Energy was established in 2005 to help farms and rural businesses to benefit from renewable energy technology with its head office situated at Larne Auction Market. As a local company 3R Energy is committed to working with communities closest to the Hagshaw Energy Cluster for the long term to develop and deliver successful projects which create significant and tangible benefits for the local area.

#### Why are we consulting you?

We need to hear from you to participate in one of a number of Public Consultation Events we are hosting for the proposed Hagshaw Energy Cluster - Western Expansion development. The events are being held for you to:

- learn more about the various aspects of our proposals;
- see plans and visualisations of the development from various locations;
- ask for feedback about the development; and
- to provide feedback and comments on the proposals.

If you are unable to attend one of the events, please contact the team with any comments or questions you may have, or to request further information, at the following email address: [comments@3renergy.co.uk](mailto:comments@3renergy.co.uk)

There will be 2 Public Events in November 2022, held in the locations below.

There will also be further opportunities to make comments on the proposed development to the Scottish Ministers and Local Authorities following submission of the applications next year.

#### The Project

The proposals are for a mixed renewable energy development principally comprising:

- up to 72 wind turbines;
- solar photovoltaic (PV) panels;
- on-site energy storage; and
- green hydrogen production facility.

The scale of the project has been set to a level that would mean the cluster can be adjusted to the established 'cluster' of wind farms around Hagshaw Hill (the Hagshaw Energy Cluster). Although the final specification of the various components is not known at this time, the turbines are likely to be up to 230m maximum stack tip height, with a generating capacity of between 1.2 megawatts (MW) – the same height as the turbines approved for the nearby Blair Craig Wind Farm.

Further information on the project can be found at the project website: [www.3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/](http://www.3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/)

#### Community Benefits

Based on current capacity, the proposed development could generate up to £2.5 million a year or £100 million over 25 years in community benefit, and the scheme would provide a transformational level of investment in the community closest to the development area to use a proportion of this funding to develop a local energy cluster scheme for the community.

3R Energy is keen to hear your views on how the revenue from the project could be used to enhance the local area and deliver projects of interest to the community. As the project progresses, we will continue to consult with local communities, South Lanarkshire Council and South Lanarkshire Council to determine how best it could be delivered to best meet the needs and aspirations of the local area.

#### Environmental Benefits

The proposed development also presents a significant opportunity for private investment in order to support recovery of the designated Muirkirk and North Lanarkshire Special Protection Areas (SPAs) and Muirkirk National Site of Special Scientific Interest (SSSI). A SPA is a Special Reserve and Management Fund of up to £40 million over a 40-year operational period is currently proposed as part of the development proposals.

#### Drivers for renewable energy

The UK Government and the Scottish Government have both declared a 'climate emergency' and are committed to ensure that an increased proportion of electricity is generated from renewable energy sources in order to meet carbon emission targets. This project is of strategic value and will make a major contribution to our energy security needs and reduce the carbon footprint of electricity, as well as delivering substantial investment in infrastructure and local communities as part of the local energy transition to a greener Scotland.

#### Joint Consultation Events

Due to national planning regulations, the hydrogen component of the development near 11 of the 72 will be determined separately by South Lanarkshire Council and the other components will be determined by the Scottish Ministers. We are therefore obliged to hold statutory consultation events under the Town and Country Planning Regulations for the hydrogen application, or 'Hydrogen' as the Planning Application (H2A) has been submitted to South Lanarkshire Council. The events will be held on Thursday 21<sup>st</sup> November in Douglas and Monday 21<sup>st</sup> November in Coalburn will provide an opportunity for those wishing to find out more and comment on the hydrogen component of the proposed project.

#### Environmental Impact Assessment

An Environmental Impact Assessment (EIA) is required for the proposed development. The EIA will be informed by the results to be submitted to the Scottish Ministers in September 2022 for a second EIA, which sets out the approach to

the EIA process.

EIA is an iterative process, which identifies the potential environmental effects that in turn inform the overall design of the proposals. It seeks to avoid, reduce, offset and minimise any significant adverse environmental effects through mitigation. We will also have a considerable role in the overall design of the project, including considering the visual impact from the proposed development area and the impact on the wider Hagshaw Energy Cluster.

Consultation Consultation is an important part of the EIA process and access to the identification of potential effects and mitigation measures. The feedback we receive throughout the consultation process, alongside the results of the technical assessments, will inform the design and allow us to develop a design and further detail on the visual, noise, and layout. This will then be subject to further community consultation.



#### Next Steps

We will use consultation feedback and findings from our environmental surveys and technical studies to shape the design of the proposed development and submit an application to the Scottish Government Energy Services Unit and to South Lanarkshire Council for the hydrogen component next year. The full set of application documents will be made publicly available at that time.

25 October 2022

## Poster

# 3R Energy

## PUBLIC CONSULTATION EVENTS

### Hagshaw Energy Cluster | Western Expansion

3R Energy is holding public consultation events into a proposed mixed renewable energy development known as Hagshaw Energy Cluster | Western Expansion. The proposal includes the installation of up to 72 wind turbines and associated infrastructure, solar panels, substation, energy storage capacity and green hydrogen production. The project would have a total generating capacity of up to 650 megawatts (MW), plus a 40MW electrolyser for making green hydrogen fuel.

the events will be held on:

**Monday 14<sup>th</sup> November 2022, 2pm – 7pm**  
The Hub, Furnace Road, Muirkirk

**Tuesday 15<sup>th</sup> November 2022, 2pm – 7pm**  
Sandford Village Hall, Stonehouse Road, Sandford

**Wednesday 16<sup>th</sup> November 2022, 2pm – 7pm**  
Fountain Community Centre, 9 Abbeygrove, Leamnahagow

**Thursday 17<sup>th</sup> November 2022, 2pm – 7pm**  
SL Bridges Centre, Braithwaite, Douglas

**Monday 21<sup>st</sup> November 2022, 2pm – 7pm**  
Coalburn Miners Welfare, 42 Coalburn Road, Coalburn

**3R Energy** Larne Auction Market, Hyndford Road, Larne ML11 9AX  
Tel: 01555 660244  
Web: [www.3renergy.co.uk](http://www.3renergy.co.uk)

**HYDROGEN EVENT**

**HYDROGEN EVENT**

## Feedback Forms

## Main Event

*(Muirkirk feedback form with additional Tip height question)*



## FEEDBACK FORM

To reward your views and help to improve our future information days, please complete this feedback form.

It should take no longer than a few minutes.

---

**Reason for attending the consultation event today?**

Community Interest: <input type="checkbox"/>	Community Council Representative: <input type="checkbox"/>
Local Resident: <input type="checkbox"/>	Local Business: <input type="checkbox"/>
Other – Please specify: <input type="checkbox"/>	

---

**Do you have any comments or questions regarding the proposal or requests for further information?**

**Do you have any suggestions on how the community benefit fund should be spent (in the area, to benefit local people and communities)?**

**Please leave your details below to allow SR Energy to respond to your comments/questions:**


Name: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

Telephone: \_\_\_\_\_

Your personal information will be treated in accordance with the General Data Protection Regulation (GDPR).



## FEEDBACK FORM

To record your views and help us improve our future information days, please complete this feedback form:

It should take no longer than a few minutes.

**Reason for attending the consultation event today?**

Community Interest: <input type="checkbox"/>	Community Council Representative: <input type="checkbox"/>
Local Resident: <input type="checkbox"/>	Local Business: <input type="checkbox"/>
Other – Please specify: _____	

**Do you have any comments or questions regarding the proposal or requests for further information?**

**Do you have any suggestions on how the community benefit fund should be spent in the area, in benefit local people and communities?**

**Would you like to see reduction in tip height for those machines nearest the lake?**

Yes ☐      No ☐      No preference ☐

**Please leave your details below to allow JN Energy to respond to your comment/question:**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_      Telephon: \_\_\_\_\_

Your personal information will be treated in accordance with the General Data Regulation (GDPR).

## Hydrogen Event (Douglas)

## Attendance Sheet for All Events

## FEEDBACK FORM

To record your views and help us improve our future information stage, please complete this feedback form.

It should take no longer than a few minutes.

Reason for attending the consultation event today?

☐ Community Interest...
 ☐ Chesham-by-Council Representative

☐ Local Resident
 ☐ Local Business

☐ Other—Please specify: \_\_\_\_\_

Do you have any comments or questions regarding the Green Hydrogen Production Facility or requests for further information?

Are you supportive of new renewable energy development in the local area?

Yes ☐ No ☐ Unsure ☐

Please share your details below to allow S2 Energy to respond to your comment/question.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Email: \_\_\_\_\_

Telephone: \_\_\_\_\_

Comments should not be submitted to S2 Energy (Chesham-by-Council) at any time. Statements made to the prospective applicant and their representatives are not representative to other Councils. If a planning application is subsequently submitted, then there will be an opportunity to make a direct representation to the Council at that time.

Your personal information will be treated in accordance with the General Data Protection (GDPR).



**Public Information Day**

HAGSHAW  
ENERGY CLUSTER  
WESTERN EXPANSION

NAME:	DATE:



## Pictures

*Muirkirk*







## Boards

### Board 1

## Hagshaw Energy Cluster Western Expansion

We would like to welcome you to this exhibition, where we can provide information on the proposed development and begin conversations with the local communities and key stakeholders about how we can develop a project that will help to support the local economy and environment alongside actively contributing towards Scotland, and the UK's, climate change targets.

#### The Applicant

Spiralwind Ltd, the Applicant, a company established by 3R Energy Solutions Ltd (3R Energy) is owned after a full on the site and covered for the purpose of taking forward Hagshaw Energy Cluster - Western Expansion. 3R Energy is part of a firm's group of companies established in 2009 to help firms and rural businesses to invest in renewable energy technology with a head office at 100, Larkhall, Scotland.

#### Together the Group:

- owns and manages 3,500 acres of land in the Douglas Valley
- has farmed the land for over 120 years
- generates a combined annual turnover of c. £5 million
- employs 35 people as a direct result of its renewable energy and farming operations within the Hagshaw Cluster

As a local company 3R Energy is committed to working with communities closest to the Hagshaw Cluster for the long term to develop and deliver successful projects which create significant and tangible benefits for the local area.

This proposal to extend the Hagshaw Cluster builds on 3R Energy's experience and knowledge of renewable contribution to the local area, helping to grow and diversify local opportunities for the future.

#### Background

The Applicant intends to apply to the Scottish Ministers (overall project) and South Lanarkshire Council (hydrogen component) for permission to construct and operate Hagshaw Energy Cluster - Western Expansion (what also located to the north and south of the village of Muirkirk in East Ayrshire). The site also has an established cluster of wind farms around Hagshaw Hill known as the 'Hagshaw Cluster' (see map below). The key characteristics of the proposed development are summarised in the following table:

As required by planning legislation, there will be two separate applications to cover the development with the wind turbine and battery energy storage components seeking consent from the Scottish Ministers and the Green Hydrogen Production Facility seeking consent from South Lanarkshire Council. Details of the hydrogen application can be found separately at this exhibition.

#### Next Steps

We will take into account the feedback we receive from these public consultation exercises to refine our proposals and finalise the development plan and layout. A formal Section 54 application (overall project) and planning application (hydrogen component) for our Hagshaw Energy Cluster - Western Expansion project will then be submitted to the Scottish Government, Energy Committee and South Lanarkshire Council respectively in the summer of 2023.



Comments can be made to 3R Energy at the address below or via feedback forms available today. Please note that any comments made at this stage are not representative of the Scottish Ministers or Local Authority. Once the application is submitted there will be an opportunity to make representations on the application at that time.

#### Thank you for coming

3R Energy, Larkhall Auction Market, Hyalfield Road, Larkhall, ML11 5AX  
Web: [www.3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/](http://www.3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/)  
Email: [community@3renergy.co.uk](mailto:community@3renergy.co.uk)  
Tel: 01555 660244

# 3R Energy

### Board 2

## Hagshaw Energy Cluster Western Expansion

#### Coordinated Approach to the Future of the Hagshaw Energy Cluster

The site is bounded to the north and east by a number of operational and consented wind farms. A group of wind farms around Blyth and Douglas Hill lie to the north of the site and a further group of wind farms, which together comprise the Hagshaw Energy Cluster, lie to the east. The Applicant has developed a detailed understanding of the area, being locally based and having worked with local stakeholders and regulators to successfully develop over 330MW of renewable generation within the existing Hagshaw Energy Cluster to date.

#### The Site in the Context of the Hagshaw Energy Cluster



The proposed development outlined today is planned as a Western Expansion of the Hagshaw Energy Cluster. There are many benefits from a physical perspective in terms of ensuring a coordinated layout, sharing access, grid connection and landscape strategy for the future of the Hagshaw Cluster. A coordinated strategy for the scheme as part of a coherent extension to the Hagshaw Cluster will allow for:

- Delivery of an outcome which is better designed in landscape terms, more strategically efficient and cost-effective;
- Optimisation of renewable generation from an established windfarm location;
- More efficient use of existing infrastructure and grid connection assets;
- Maximising energy storage options;
- Better coordinated nature restoration and habitat management proposals;
- Enhanced public access delivery across multiple sites; and
- A significant Community Benefit package which could generate a 60-year income stream to fund community-led projects for the area.

#### Hagshaw Energy Cluster - Development Framework (Draft)

As part of an innovative pilot project led by Nature Scotland, an outstanding Development Framework for the Hagshaw Energy Cluster has been prepared collaboratively amongst developers, academics and planning authorities including consultation with local communities and landowners. The Framework has been prepared to help shape and guide development of the Cluster going forward including proposals for extension and repowering of existing wind farms and addition of new technologies. Formal consultation on the draft Development Framework is being undertaken by both South Lanarkshire and East Ayrshire Councils until Friday 30th December, with adoption of the Framework anticipated by the end of 2023. The draft Framework has pioneered a new approach to planning for and delivering Scotland, putting a just transition to Net Zero and investment in nature and local communities at its heart.

Further information can be found at: [www.3renergy.co.uk/hagshaw/](http://www.3renergy.co.uk/hagshaw/)



# 3R Energy



## Board 3

# Hagshaw Energy Cluster Western Expansion

### The Proposed Development

The Proposed Development is planned to comprise up to approximately 550 megawatts (MW) of renewable energy generation and energy storage output capacity, consisting of approximately 500 MW wind energy, 50 MW solar energy and 100 MW battery energy storage systems. The Proposed Development also includes a 40 MW electrolyser plant for the production of green hydrogen fuel (see separate board).

The layout as shown below has been optimised in terms of wind yield analysis, onshore advice, residential buffers, ornithological advice and survey results as well as other environmental and engineering considerations. The layout is however only indicative at this stage.



### Project Components

Project Components	Technical Details
Turbines	Up to 72
Turbine Capacity	Around 7 MW each
Maximum Tip Height	235 m
Maximum Rotor Diameter	172 m & 84 m
4 Blade length	
Crane Pads	Each wind turbine requires an area of hardstanding adjacent to the turbine which provides a stable base for the cranes to erect the structures.
Anemometer Mast	Approximately 3 x 100m high anemometer masts will be located on the site. The masts would be kept for the duration of the operational period of the wind farm to monitor and record wind conditions.
Solar Storage Area	Area around 155 ha with panel height up to 5 m
Battery Energy Storage System	Located alongside the substation will be an energy storage building housing a complement of batteries to store electricity generated by the wind and solar components when it is not needed on the grid. The batteries will be stored within agricultural sheds (80 m x 40 m) and have a capacity of around 300 MWh.
Green Hydrogen Production Facility	Around 40MW located near J11 of the M74
Substation & Control Room	An on-site substation and control room would house switching and metering and would connect the wind farm to the grid.
Temporary Construction Compound(s)	During the construction phase a secure compound(s) would be required to store construction equipment and machinery. A hardstanding of locally won stone would be required on the base of the compound(s).
Borrow Pits	Where possible, the stone required for near tracks, turbine bases and hardstanding areas would be sourced from on-site borrow pits.
Access Route and Tracks	Access to site will be taken from junction 11 of the M74 motorway via an existing private haul road through the Douglas West Windfarm site, then through the Cumberhead Forest using existing access tracks.
Grid Connection	It is currently proposed that the Proposed Development will connect to the new Redshaw Transmission Substation near Crawfordjohn. The route of the cables from the on-site substation to the Redshaw Transmission Substation will be developed separately by the Network Operator.
Total Generating Capacity	Around 650 MW
Total Energy Generation per Annum	Around 1.15 gigawatt hours
Operational Life	40 years

# 3R Energy

## Board 4

# Hagshaw Energy Cluster Western Expansion

### The Environmental Impact Assessment Process

An EIA is the process of assessing the likely environmental impacts of proposed project.

The EIA is required to follow clear steps which can be summarised as follows:

- Screening to determine whether a particular project requires the preparation of an Environmental Impact Assessment Report (EIA).
- Scoping stage at which the scope of the EIA is defined through consultation with statutory consultees.
- Preparation of the Draft EIA.
- Public Consultation.
- Evaluation of the EIA and
- Review and decision by decision maker.

The EIA process aims to assist the Scottish Government and local Authority in their determination of the applications by identifying what are significant environmental effects are predicted. The EIA will be carried out in consultation with statutory consultees, interested bodies and the general public.

The EIA process is iterative, and consultation will be undertaken throughout the process to take into consideration essential feedback which will inform the project design and layout.



### Environmental Impact Assessment Report (EIA)

The EIA will consider the effects of the Proposed Development during construction, operation and decommissioning of the Hagshaw Energy Cluster - Western Expansion. The EIA will report the assessment on the following topics:

- Landscape and visual** (effects on the character of the landscape and views from significant locations).
- Ecology** (effects on protected habitats, flora and fauna, including birds).
- Ornithology** (effects on birds and protected bird habitats).
- Noise and vibration** (effects on local properties from noise and vibration caused by the Proposed Development).
- Cultural heritage** (effects on the integrity and setting of historic sites).
- Hydrology, hydrogeology and geology** (the effects on surface water, groundwater, carbon stores, rocks and soils).
- Traffic and transport** (effects from traffic travelling to and from the Proposed Development).
- Socio-economics, tourism, and recreation** (effects on the local and national economy, local tourism businesses, and recreation facilities).
- Aviation, radar and telecommunications** (effects on civilian/military aviation facilities and air space and telecommunications facilities).
- Shadow flicker** (effects caused by the passing of the turbine blades in front of the sun).
- Glare and glare** (effects of sunlight reflecting off the solar panels).
- Forestry** (effects arising from tree removal, long-term effects on local wind farm infrastructure).

A further issue which will be considered in the EIA is that of potential cumulative impacts, that is, what effect will the development of this project have in conjunction with the operation of any other similar projects in the locality.

# 3R Energy





## Board 5a

# Hagshaw Energy Cluster Western Expansion

### Landscape & Visual Impacts

It is acknowledged from the outset that, in common with almost all commercial wind energy developments, some landscape and visual effects would occur as a result of the proposals, including some significant effects.

A key principle of the European Landscape Convention is that all landscapes matter and should be managed accordingly. It is also acknowledged that landscapes provide the surroundings for people's daily lives and often contribute positively to the quality of life and economic performance of an area.

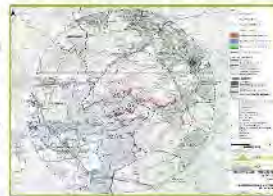
The EIA will therefore consider what impacts there will be on the local landscape and other viewpoints from the proposed development.

### Study Area Landscape Character

The Proposed Development site occupies an established cluster of wind farms around Hagshaw Hill (known as the Hagshaw Cluster) and Dungevie Hill in rural South Lanarkshire.

The Proposed Development is predominantly located within the National Parkland – Glasgow and Clyde Valley Landscape Character Type (LCT) 781, comprising principally of open moorland across the central and southern extents and commercial coniferous plantation and existing forestry tracks within the northern extent of the proposed development.

The site is not located within any of the identified Special Landscape Areas (SLAs) in South Lanarkshire and the western part of the site overlaps with the River Forth Strategic Landscape Area in East Ayrshire. Landscape designations within 25km of the Site are shown in the figure to the right.



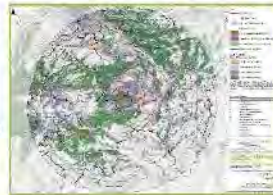
### Selected Viewpoint Locations & ZTV

A series of key representative viewpoint locations around the local area have been identified and will be agreed with the Scottish Government Energy Consents Unit, South Lanarkshire Council, East Ayrshire Council and Natural Scotland for inclusion in the landscape and visual assessments.

A zone of theoretical visibility (ZTV) map was created as a starting point to illustrate the geographical areas within which views of development on site are theoretically possible. This ZTV is based on a line-of-sight analysis, whereby the screening effects of areas of existing vegetation or built features in the landscape are not taken into consideration. The ZTV was modelled using the proposed maximum turbine tip height of 230m.

The ZTV and selected viewpoint locations are shown in the figure to the right.

Tallies over 150m are required by the Civil Aviation Authority to be fitted with white aviation warning lighting. The Landscape & Visual Impact Assessment (LVIA) will therefore also include an assessment of the effects which would arise from this during low light conditions.



### Design Iteration

Although the final specification of the turbines is not known at this time, they are likely to be up to 230m maximum tip height, each with a generating capacity of up to approximately 7 MW. The design and consultation process to date has identified 19 turbines. Those closest to Muirkirk, that are being considered for a reduced tip height as shown on the figure on the Proposed Development Board. This will be confirmed through further consultation, both with stakeholders and the local community and further design iterations.

A series of consultations have been prepared to show how the proposed development layout is shown on the figure on the Proposed Development Board would look from the following locations:

- Viewpoint 2: Victory Park in Muirkirk
- Viewpoint 9: A71 north of Gilmourton
- Viewpoint 11: Minor road west of Lismahagow

A reduction in height of the 10 turbines closest to Muirkirk would also result in a reduction in the power output of the smaller turbines. This would reduce the generating capacity of the turbines from the 7 MW noted above. You would be interested in hearing your views on the different turbine heights under consideration and have therefore provided two different scenarios for Viewpoint 2. The two scenarios show what the proposed development would look like with all tip heights at 230m and then with those marked as 'reduced height consideration' shown at 200m to top with the remaining at 230m tip, where visible. The potential reduction in height of the 19 turbines closest to Muirkirk is not discernible from Viewpoints 9 or 11.

## Board 5b

# Hagshaw Energy Cluster Western Expansion

### Landscape & Visual Impacts

It is acknowledged from the outset that, in common with almost all commercial wind energy developments, some landscape and visual effects would occur as a result of the proposals, including some significant effects.

A key principle of the European Landscape Convention is that all landscapes matter and should be managed accordingly. It is also acknowledged that landscapes provide the surroundings for people's daily lives and often contribute positively to the quality of life and economic performance of an area.

The EIA will therefore consider what impacts there will be on the local landscape and other viewpoints from the proposed development.

### Study Area Landscape Character

The Proposed Development site occupies an established cluster of wind farms around Hagshaw Hill (known as the Hagshaw Cluster) and Dungevie Hill in rural South Lanarkshire.

The Proposed Development is predominantly located within the National Parkland – Glasgow and Clyde Valley Landscape Character Type (LCT) 781 and the Pelton Moorlands – Glasgow & Clyde Valley Landscape Character Type (LCT) 233, comprising principally of open moorland across the central and southern extents and commercial coniferous plantation and existing forestry tracks within the northern extent of the proposed development.

The site is not located within any of the identified Special Landscape Areas (SLAs) in South Lanarkshire and the western part of the site overlaps with the River Forth Strategic Landscape Area in East Ayrshire. Landscape designations within 25km of the Site are shown in the figure to the right.



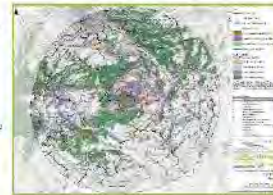
### Selected Viewpoint Locations & ZTV

A series of key representative viewpoint locations around the local area have been identified and will be agreed with the Scottish Government Energy Consents Unit, South Lanarkshire Council, East Ayrshire Council and Natural Scotland for inclusion in the landscape and visual assessments.

A zone of theoretical visibility (ZTV) map was created as a starting point to illustrate the geographical areas within which views of development on site are theoretically possible. This ZTV is based on a line-of-sight analysis, whereby the screening effects of areas of existing vegetation or built features in the landscape are not taken into consideration. The ZTV was modelled using the proposed maximum turbine tip height of 230m.

The ZTV and selected viewpoint locations are shown in the figure to the right.

Tallies over 150m are required by the Civil Aviation Authority to be fitted with white aviation warning lighting. The Landscape & Visual Impact Assessment (LVIA) will therefore also include an assessment of the effects which would arise from this during low light conditions.



### Design Iteration

Although the final specification of the turbines is not known at this time, they are likely to be up to 230m maximum tip height, each with a generating capacity of up to approximately 7 MW. The design and consultation process to date has identified 19 turbines. Those closest to Muirkirk, that are being considered for a reduced tip height as shown on the figure on the Proposed Development Board. This will be confirmed through further consultation, both with stakeholders and the local community and further design iterations.

A series of consultations have been prepared to show how the proposed development layout is shown on the figure on the Proposed Development Board would look from the following locations:

- Viewpoint 2: Victory Park in Muirkirk
- Viewpoint 9: A71 north of Gilmourton
- Viewpoint 11: Minor road west of Lismahagow

A reduction in height of the 10 turbines closest to Muirkirk would also result in a reduction in the power output of the smaller turbines. This would reduce the generating capacity of the turbines from the 7 MW noted above. You would be interested in hearing your views on the different turbine heights under consideration and have therefore provided two different scenarios for Viewpoint 2. The two scenarios show what the proposed development would look like with all tip heights at 230m and then with those marked as 'reduced height consideration' shown at 200m to top with the remaining at 230m tip, where visible. The potential reduction in height of the 19 turbines closest to Muirkirk is not discernible from Viewpoints 9 or 11.

# 3 Energy

# 3 Energy





## Board 5c

# Hagshaw Energy Cluster Western Expansion

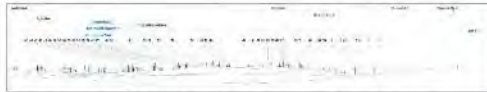
### Visualisations of the Wind Turbine Component

The following visualisations provide an indication of what the wind turbine component of the proposed development would look like from the A71 north of Gilmourton and a minor road west of Leamishaggo. Please note that the photomontages show all other cumulative schemes as built out, including those currently only at EIA Scoping stage.

**Viewpoint 1: Bridge crossing the Calder Water, north of Gilmourton on the A71**



Baseline photograph showing the current view looking south from the A71 north of Gilmourton.



Cumulative bore-south wireline view looking south from the A71 north of Gilmourton showing the proposed development turbines (Scenario 1 & 2) in dark blue, consented but not yet built turbines in light blue, operation/tender construction turbines in green, and Scoping stage turbines in purple.

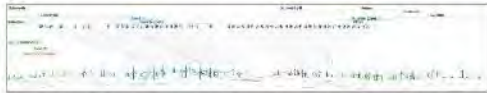


Photomontage showing how the proposed development would look (Scenario 1 & 2) in conjunction with all other cumulative projects shown on the wireline above, when looking south from the A71 north of Gilmourton.

**Viewpoint 13: Minor road west of Leamishaggo**



Baseline photograph showing the current view looking south-west from a minor road west of Leamishaggo.



Cumulative bore-south wireline view looking south-west from a minor road west of Leamishaggo showing the proposed development turbines (Scenario 1 & 2) in dark blue, consented but not yet built turbines in light blue, operation/tender construction turbines in green, and Scoping stage turbines in purple.



Photomontage showing how the proposed development would look (Scenario 1 & 2) in conjunction with all other cumulative projects shown on the wireline above, when looking south-west from a minor road west of Leamishaggo.

### Layout Comparisons

As noted on the Landscape and Visual board, the potential reduction in height of the 19 turbines closest to Murrisk that is under consideration will not be discernible from Viewpoints 9 or 11. Therefore, there is no difference in two wirelines or photomontages from these locations between Scenario 1 and 2.

The cumulative wirelines provided today do not include any minor turbines. This is because the assessment of cumulative effects will focus on those schemes which have greater potential to result in significant cumulative effects. Therefore, those turbines under 50 m within 10 km or any turbines between 50 m and 80 m which lie over 10 km from the proposed site will not be included within the assessment.

# 3R Energy

## Board 6

# Hagshaw Energy Cluster Western Expansion

### Project Benefits

#### Community Trust Fund

We propose to consult on community benefits and shared ownership opportunities for the Hagshaw Energy Cluster – Western Expansion project. We are keen to engage with the local communities surrounding the project to explore the potential to establish a new Community Trust Fund and for any agreement mechanism which would receive income (community benefit payments) from the project. This would yield the financial resources to deliver a Community-Led Investment Strategy for the communities closest to the proposed wind turbines.

The overarching objective of the new Trust would be to deliver real improvement to the socio-economic environment in rural communities over the wind farm's 40-year operational life. In order to achieve this, the Hagshaw Energy Cluster Western Expansion would make contributions of up to £2.5 million each year to the newly established Community Trust. This equates to a total of £100m of investment in the local area over the life of the project. This scale of funding presents a real opportunity to deliver opportunities of transformational change in the local area.

Detailed discussions need to be had with the closest communities and other stakeholders on exactly how any funds would be apportioned and administered should the project go ahead but a simple breakdown of turbines per Community Council area (based on the current Scoping layout) is provided below for illustrative purposes. We are at an early stage of the design process so this layout could vary and change subject to comments received from the Scoping process.

HAGSHAW ENERGY CLUSTER WESTERN EXPANSION				
Community Council Area	Proposed No of Turbines (Scoping Layout)	Proposed No of MWs (Scoping Layout - 2MW turbines)	Community Benefit Funding of £5,000 / MW per annum	Community Benefit Funding Total (40 year operational life)*
Murrisk	41	82 MW	£1,455,000	£57,400,000
Tyneland & Upper Tweedale	24	48 MW	£840,000	£33,600,000
Leamishaggo	7	14 MW	£245,000	£9,800,000
TOTAL	72	144 MW	£2,540,000	£100,800,000

The new Community Trust Fund could be used to deliver some of the following (WPs):

- Local Energy Discount Scheme for closest communities;
- Local training and employability programme;
- Strategic investment plan to maximise Community Wealth Building over 40-year period;
- New youth 4G sports pitch in Murrisk;
- New accommodation for tourists, which link surrounding communities with existing Hagshaw Energy Cluster;
- New visitor and tourist information and;
- Potential for using a proportion of the community and conservation management funds to deliver a new Nature Education Centre, similar to Whitelee Wind Farm Visitor Centre.

Other associated benefits of the project could include:

- Community Ownership opportunity;
- Green energy to supply around 156,000 homes;
- Approximately 525,000 tonnes of CO<sub>2</sub> saved every year;
- Employment Catalyst of New Green Hydrogen Hub on MW.



### Economic Investment & Employment

The development would see significant local investment and the creation of local business opportunities during both construction and operation. The Applicant is committed to using suppliers as close to the project as possible and to delivering a high percentage of construction value to local companies (subject to complying with procurement regulations).

### SPA & SSSI Recovery and Management Fund

As currently designed, the proposal would affect around 0.16% of habitat within the north-western extent of the Murrisk and North Lombar Islands Special Protection Area (NPA) SSSI designated for bird interests. In return, the proposed development would generate nature conservation funding in the region of c. £40m over 40 years, capable of funding a number of nature conservation measures to help reverse the decline of the SPA as a birding species, and support wider habitat and environmental benefits indirectly through peatland regeneration. These measures will also improve the condition of designated habitat features within the Murrisk Uplands SSSI and the Blood Moss and Slat Burn SSSI.



We would like the community to adopt the community benefit package as their own and to take responsibility and ownership for the fund raised and managed by the local Community Councils. Do you have ideas for how you would like to set up this community benefit fund?

\*Community Benefit and SPA Investment Fund figures are based on 72 turbines at 200 m to tip and a 40-year operational life – see LVA boards for more details.

# 3R Energy



## Board 7

### Hagshaw Energy Cluster Western Expansion

PAN EVENT  
INFORMATION

#### Green Hydrogen Production Facility

The Green Hydrogen Production Facility is part of the Hagshaw Energy Cluster - Western Expansion project but due to planning regulations we will need to apply for planning consent separately to the Local Authority rather than through a Section 36 application to the Scottish Ministers which is the case for the rest of the project components. The applications will be submitted simultaneously and both will be supported by a single overarching Environmental Impact Assessment Report (EIA Report).

A Proposal of Application Notice (PAN) was submitted to South Lanarkshire Council (as the Local Authority) in September 2022 for the hydrogen component of the project and scoped under the single project EIA.

It is proposed that the Green Hydrogen Production Facility comprising c. 40 megawatt (MW) electrolyser is located on land at Collieston West, convenient industrial land, at Junction 11 of the M74 motorway, close to the main site entrance. The Facility would produce up to 20,000 kg per day of green hydrogen for use as a fuel to help decarbonise industry and heavy freight.

The electrolyser will make use of surplus electrical generation from the wind turbines at times of low demand to split water into oxygen and hydrogen. As the electrolyser uses renewable electricity to separate water into oxygen and hydrogen, no chemical or carbon emissions are produced at any stage. Oxygen is produced as a by-product and will be utilised by local businesses, along with some motor vapours. On cold days, a plume of steam (water) may be visible as a result.

This site was chosen as the location for the Green Hydrogen Production Facility due to:

- Readily available source of renewable energy
- Excellent site accessibility from the motorway network (M74)
- Existing outline planning permission for industrial/commercial uses
- Remote from residential properties



#### Indicative Site Layout



At present, the internal layout of the Green Hydrogen Production Facility has yet to be finalised, however based on its initial layout, the facility would consist of:

- temporary construction compound and laydown areas;
- battery energy storage system (c. 20MWh);
- multiple buildings with a number of vertical standing pressure vessels up to 15 m in height. To include:
  - a hydrogen electrolyser facility
  - a hydrogen purification unit
  - site office
  - crane booms
  - infrastructure associated with water supply
  - various H<sub>2</sub> and O<sub>2</sub> processing plant
- inter-vehicle roads;
- fuel station and truck loading; and
- perimeter security fencing.

The Green Hydrogen Production Facility will also be supported by circa 20MWh of battery energy storage to ensure that the supply of electricity always matches the demand of the facility. Renewable energy production of this nature is dependent on weather conditions (wind or sun) and battery energy storage systems (BESS) allow excess demand to be stored rather than that electricity being wasted. As battery storage technology matures, to changes on the network very quickly it can also provide stability during fluctuations on the National Grid.

#### Jobs & Economic Development

The construction and operation of the Green Hydrogen Production Facility will also create new employment opportunities in the area. The Hagshaw Green Hydrogen Facility will provide an opportunity for upskilling and retraining of individuals previously employed in the oil and gas industry. The types of equipment and expertise used in the production and transport of hydrogen will be highly familiar to anyone who has worked in the offshore industry in Scotland.

# 3R Energy



## **Appendix 3.4 Round 2 Public Exhibitions (Mar. 2024)**





## Adverts

Carluke and Lanark Gazette  
Placed on 06 and 13 March 2024.

06 March 2024 Issue – Front Page

# Carluke & Lanark

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South Lanarkshire Leisure & Culture has announced the closure of 11 village halls and one library in Clydesdale as part of a cost-cutting budget-balancing exercise

See pages 8/9

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06 March 2024 Issue – Advert Page

**PUBLIC NOTICES**

**3R Energy**

**Hagshaw Energy Cluster - Western Expansion (Phase 1)**

**PUBLIC CONSULTATION NOTICE**

3R Energy, the proposed developer of the Hagshaw Energy Cluster, is currently progressing its application for a planning consent for the proposed development. The proposed development includes the construction of a new 132kV substation and associated infrastructure, and the installation of new power lines. The proposed development is located in the Hagshaw area, near the village of Hagshaw, in the City of Edinburgh.

**94% OF PEOPLE PREFER TO BUY FROM LOCAL BUSINESSES.**

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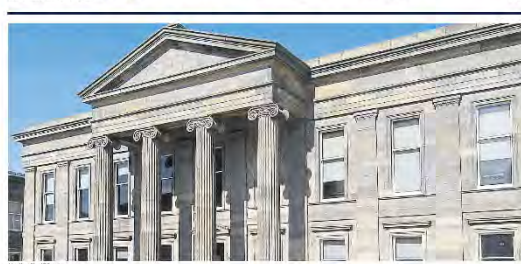
**Tel: 0131 370 0846**

**Jobstoday**

13 March 2024 Issue – Front Page

# Carluke & Lanark

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## Accused Rigside man walks free from court

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13 March 2024 Issue – Advert Page

**PUBLIC NOTICES**

**3R Energy**

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**Public & Legal**

**Easter Bank Holiday Deadlines 2024**

All deadlines for the Easter Bank Holiday will be Tuesday 26th March at 4pm.

For all publications to be valid including Thursday 4th April for clarification on your publication please contact your agent.

**Call on 0207 023 7931**

or email: [publications@nationalworld.com](mailto:publications@nationalworld.com) for details

**Public & Legal Notice Team - Opening Times**

For confirmation of publication day please ask when booking.

**20th & 21st March 2024**

Thursday 28th March 8am - 5.30pm

Friday 29th March 8am - 5.30pm

Saturday 30th March 8am - 5.30pm

Sunday 31st March 8am - 5.30pm

Monday 1st April 8am - 5.30pm

Tuesday 2nd April 8am - 5.30pm

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East Kilbride News  
Placed on 06 and 13 March 2024.

06 March 2024 Issue – Front Page

12.50 06.03.2024 GET THIS PAPER FOR £1 A WEEK FOR 13 WEEKS! £12.50 PER 13 WEEKS! facebook.com/eastkilbridenews

# East Kilbride News

EST. 1952

**Chris makes it 300**  
The local newspaper's 300th issue

**GUITAR DEAL IS ON THE AIR**  
Radio station lands sponsorship from Guitar Track Centre

**Mum needs son brain op**  
Radio station lands sponsorship from Guitar Track Centre

**Station car park losing 129 spaces for months**  
Council approved compromise for number of bays

**INSIDE TODAY: TV GUIDE AND 4 PAGES OF PUZZLES**

**SERVICES WITHDRAWN FROM 35 VENUES**

**Something strange**  
EP Comic Con was a blockbuster success as a thousand of movie fans gathered in the town centre for the first time

**ABSOLUTELY DEVASTATED**  
Toddler group's dismay despite protest and 2600-signature petition

**Full Story Page 162**

06 March 2024 Issue – Advert Page

www.eastkilbridenews.co.uk 06.3.2024 33

## Public Notices

**Planning**

**Towns and Country Planning (Development Management Procedure) (Scotland) Regulations 2013**  
Notice of applications to be published in a local newspaper under regulation 20(1)

**3R Energy**  
Public Notice: 3R Energy is a leading provider of renewable energy solutions. We are currently seeking qualified professionals for our growing team. If you are interested, please contact us at 01234 567890.

**South Lanarkshire Council**  
Notice: South Lanarkshire Council is currently seeking applications for the position of Temporary Road Closure Order 2024. Interested parties should submit their applications by 15th March 2024.

**Alert today, commute tomorrow... Be in the know on the go**  
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Sell your unwanted items the easy way, go to: www.bookanad.com

13 March 2024 Issue – Front Page

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# East Kilbride News

EST. 1952

**FREE £2 SHOP BET**  
WILLIAM HILL WOULD ON CHRISTMAS GOLD CUP DUTY

**Team is in the money**  
Kids football club delighted to receive house building fund

**Team makes the cut at hair awards**  
East Kilbride team nominated for best hair award

**REMEMBERING THE LEGENDS**  
East Kilbride team nominated for best hair award

**INSIDE TODAY: TV GUIDE AND 4 PAGES OF PUZZLES**

**GRANDDAD SCOOPS HUGE PRIZE**

**BUDGIE BREEDER'S LOTTERY WIN**  
Gerry in a flap at brilliant news

**Kids get into character**  
World Book Day was a tag hit with children across East Kilbride as they dressed up as their favourite characters to mark the special day

**Full Story Page 162**

13 March 2024 Issue – Advert Page

www.eastkilbridenews.co.uk 13.3.2024 33

## Public Notices

**3R Energy**  
Public Notice: 3R Energy is a leading provider of renewable energy solutions. We are currently seeking qualified professionals for our growing team. If you are interested, please contact us at 01234 567890.

**Pets for Sale**  
fast. easy. convenient. You can easily create your advert on your mobile or PC. Visit bookanad.com

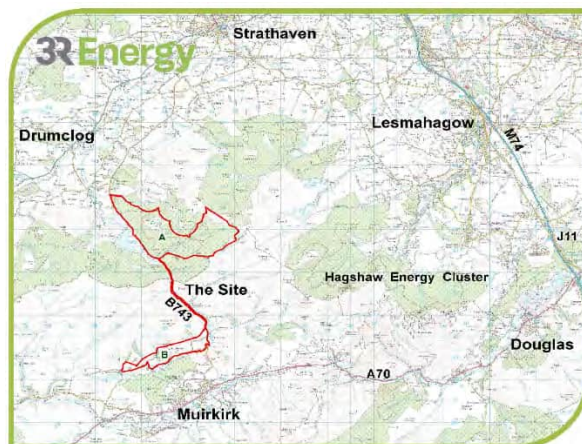
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## Leaflet



### Hagshaw Energy Cluster - Western Expansion | Phase I

Public Consultation Leaflet

#### Who are we?

3R Energy was established in 2008 to help farms and rural businesses to benefit from renewable energy technology, with its head office situated at Lanark Auction Market. As a local company 3R Energy is committed to working with communities closest to the Hagshaw Energy Cluster for the long term to develop and deliver successful projects which create significant and tangible benefits for the local area.

#### Why are we contacting you again?

We would like to invite you to participate in the next round of Public Consultation Events we are hosting for the proposed Hagshaw Energy Cluster - Western Expansion | Phase I development.

We will be holding three Public Consultation Events in March 2024 at the locations and times noted below.

There will also be further opportunity to make comments on the proposed development direct to the Scottish Ministers following submission of the application later in the year.

#### The events are being held for you to:

- learn about the various changes to the proposals,
- see updated plans and visualisations of the development from various locations,
- talk to the team about the development, and
- to provide feedback and comments on the proposals.

If you are unable to attend one of the events, please contact the team with any comments or questions you may have, or to request further information, at the following email address: [info@3renergy.co.uk](mailto:info@3renergy.co.uk)

Consultation is an important part of the Environmental Impact Assessment process and assists in the identification of potential effects and mitigation measures. The feedback we have received throughout the consultation process so far, alongside the results of the technical assessments, has informed the latest design. Any further comments to help finalise the design are welcome.

**Tuesday 19th March 2024**  
2pm to 7pm  
Sandford Village Hall  
Sandford  
ML10 6BF

**Wednesday 20th March 2024**  
2pm to 7pm  
The Hub  
Muirkirk  
KA18 3RE

**Thursday 21st March 2024**  
2pm to 7pm  
St Bride's Centre  
Douglas  
ML11 0PT

#### The Project

In response to comments made by statutory consultees at the start of 2023, we have taken the decision to phase the previously consulted development Phase I of the Hagshaw Energy Cluster - Western Expansion will be for a mixed renewable energy development principally comprising:

- up to 26 wind turbines,
- solar photovoltaic (PV) panels, and
- on-site energy storage and substation.

The site of the project is located on the land outlined in red on the map overlaid. The wind turbines will be located within the northern development area (Area A on map) within Dungavel Forest and the PV panels, energy storage facility and substation within the southern development area (Area B on map).

Although the final specification of the various components is not known at this time, the turbines are likely to be up to 230m maximum blade tip height, each with a generating capacity of approximately 7.2 megawatts (MW) - the same maximum height as the turbines approved for the nearby Hare Craig Wind Farm.

Access by abnormal loads (turbine components) to the site is currently proposed to be taken from Junction 11 of the M4 motorway, through the existing Hagshaw Cluster to join the A70 east of Glasgow (exact route to be confirmed), then following the A70 to Muirkirk, before turning north onto the B743.

Further information on the project and transport route, can be found at the project website: [www.3renergy.co.uk/project/hagshaw-energy-cluster-western-expansion/](http://www.3renergy.co.uk/project/hagshaw-energy-cluster-western-expansion/)

#### Community Benefits

Based on current capacity, the proposed development would generate up to £750,000 a year or £37.4 million over its lifetime of 40 years, in community benefit funding which would provide a substantial level of investment in the communities closest to the site. Potential exists to use a proportion of this funding to operate a Local Energy Discount Scheme for closest communities.

3R Energy are keen to hear your ideas on how the revenue from the project could be used to enhance the local area and deliver projects that provide lasting benefit. As the project progresses, we will continue to engage with local communities, stakeholders and both East Ayrshire and South Lanarkshire Council to determine how benefits could be delivered to best meet the needs and aspirations of the local area.

#### Drivers for renewable energy

The UK Government and the Scottish Government have both declared a 'climate emergency' and are committed to ensuring that an increased proportion of electricity is generated from renewable energy sources in order to meet carbon emission targets. This project remains of strategic scale and will make a meaningful

contribution to our energy security needs and national targets for renewable energy pre-2030, as well as delivering substantial investment in local communities as part of the Just Energy Transition to a fairer, greener Scotland.

#### Environmental Impact Assessment (EIA)

An EIA is required for the proposed development. The EIA will be informed by the response to a second request to the Scottish Ministers in February 2024 for an updated Scoping Opinion, which will set out the approach to the EIA process.

EIA is an iterative process, which identifies the potential environmental effects that in turn inform the eventual design of the proposals. It seeks to avoid, reduce, offset and minimise any significant adverse environmental effects through mitigation. We will also give careful consideration to how this proposal relates to the existing landscape, considering its visibility from key viewpoints in the surrounding area and how it fits with the current pattern of wind farm development.



#### Next Steps

We will use consultation feedback and findings from environmental surveys and technical studies to shape the design of the proposed development ahead of submitting an application to the Scottish Ministers later this year. The full set of application documents will be made publicly available at that time.



**Project Website:**  
[www.3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/](http://www.3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/)

**Project Email:**  
[info@3renergy.co.uk](mailto:info@3renergy.co.uk)

**Telephone:**  
01555 660244

**Postal Address:**  
3R Energy  
Lanark Auction Market  
Hyndford Road  
Lanark, ML11 9AX


## Poster

# 3R Energy

## PUBLIC CONSULTATION EVENTS

### Hagshaw Energy Cluster - Western Expansion | Phase I

3R Energy is holding a second round of public consultation events into a proposed mixed renewable energy development known as Hagshaw Energy Cluster - Western Expansion | Phase I. The revised proposals (Phase II) include the installation of up to 26 wind turbines (within area A on the map), solar panels, substation, energy storage facility (within area B on the map) and associated infrastructure. The project would have a total generating capacity of up to 487 megawatts (MW).



The events will be held on:

**Tuesday 19th March 2024, 2pm to 7pm**  
Sandford Village Hall, Sandford, ML10 6BF

**Wednesday 20th March 2024, 2pm to 7pm**  
The Hub, Furnace Rd, Muirkirk, KA18 3RE

**Thursday 9th November 2023, 2pm - 7pm**  
St Bride's Centre, Braehead, Douglas, ML11 0PT

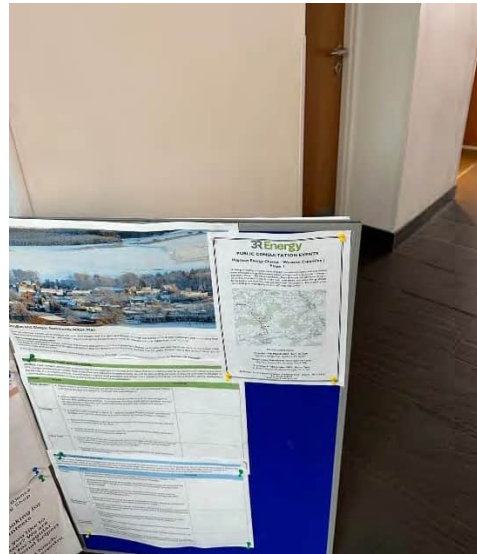
3R Energy Lanark Auction Market Hyndford Road Lanark ML11 9AX  
Tel. 01555 660244  
Web. [www.3renergy.co.uk](http://www.3renergy.co.uk)





## Poster - Proof of Placement

St Brides Centre, Douglas



Morrisons, Douglas



Fuel Station, Crossburn



Top Shop, Muirkirk



Fuel Station, Muirkirk



Village Hall, Sandford



## Feedback & Attendance Forms

[illegible]

## Pictures

*Sandford*







## Muirkirk



## Douglas





## Boards

### Board 1

## Hagshaw Energy Cluster Western Expansion | Phase 1

We would like to welcome you to this exhibition, where we can provide further information on the proposed development and continue conversations with the local communities and key stakeholders about how we can develop a project that will help to support the local economy and environment alongside actively contributing towards Scotland, and the UK's, renewable energy targets.

#### The Applicant

Spiremush Ltd (the Applicant), a company established by 3R Energy Solutions Ltd (3R Energy) to take forward the Hagshaw Energy Cluster - Western Expansion | Phase 1. 3R Energy was established in 2009 to help farms and rural businesses to invest in renewable energy technology, with its head office situated at Lanark Auction Market.

3R Energy is part of a group of companies who together:

- own and manage 3,500 acres of land in the Douglas Valley
- have farmed the land for over 120 years
- generates a combined annual turnover of c. £5 million
- employs 12 people as a direct result of the group's renewable energy and farming operations within the Hagshaw Cluster

As a local company, 3R Energy is committed to working with the communities closest to the Hagshaw Cluster for the long term to develop and deliver successful projects which create significant and tangible benefits for the local area.

The Applicant intends to apply to the Scottish Ministers for permission to construct and operate Hagshaw Energy Cluster - Western Expansion | Phase 1 at a site adjoining an established cluster of wind farms at Dunsgravel Hill in rural South Lanarkshire, extending southwards to the north of the village of Muirkirk in East Ayrshire.

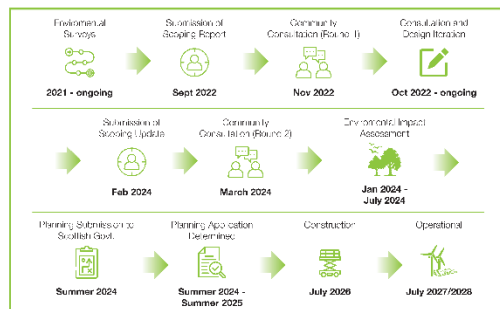
This proposal builds on 3R Energy's experience and knowledge of renewable generation in the local area, helping to grow and diversify local opportunities for the future.

#### Background

Since we last met with the communities closest to the site, we have reviewed the responses provided to us by the communities as well as statutory and interested stakeholders on the initial proposals. As a direct result of the responses received, we have amended the proposals and have sought to meet with the closest communities again to update you on the proposed changes and the reasons behind them. The key characteristics of the proposed development are summarised on the following boards.

#### Next Steps

We will again take into account the feedback we receive from these public consultation events as we refine our proposals and finalise the development size and layout. A formal Section 36 application for Phase 1 of the Hagshaw Energy Cluster - Western Expansion project will then be submitted to the Scottish Government Energy Consents Unit later in 2024.



Comments can be made to 3R Energy at the address below or on feedback forms at the event. Please note that any comments made at this stage are not representations to the Scottish Ministers. Once the application is submitted there will be an opportunity to make representations directly to the Scottish Ministers at that time.

#### Thank you for coming

3R Energy, Lanark Auction Market, Hyndford Road, Lanark, ML11 9AX  
Web: [www.3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/](http://www.3renergy.co.uk/projects/hagshaw-energy-cluster-western-expansion/)  
Email: [info@3renergy.co.uk](mailto:info@3renergy.co.uk)  
Tel: 01555 660244

# 3R Energy

### Board 2

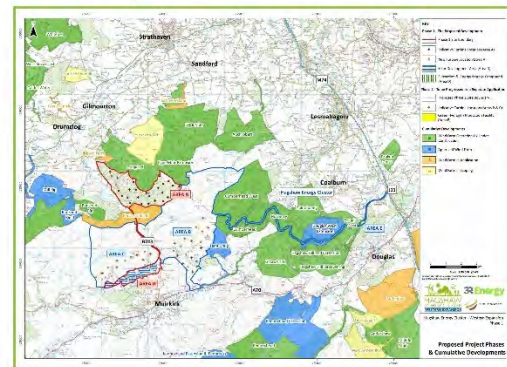
## Hagshaw Energy Cluster Western Expansion | Phase 1

#### Phased Approach to the Project

3R Energy, on behalf of Spiremush Ltd, submitted a Scoping Report to the Scottish Ministers in September 2022 to seek early consultation for a mixed renewable energy development on land to the west of the existing Hagshaw Energy Cluster in South Lanarkshire/East Ayrshire.

A formal Scoping Opinion was received from the Scottish Ministers in March 2023. In response to comments made by statutory consultees as part of that Scoping Opinion, we have taken the decision to phase the previously consulted development as follows.

#### Proposed Project Phases in the Context of the Hagshaw Energy Cluster and Wider Wind Developments



#### Phase 1

Phase 1 will comprise the wind turbines within Area A and the solar, Battery and Energy Storage System (BESS) and substation within Area D only, which are all new outwith the SPA and SSSI. The site boundary for Phase 1 will include a stretch of the existing B743 public highway to allow cables to be laid in the road verge to connect the turbines in Area A to the substation in Area D. The proposed new site boundary for Phase 1 is shown outlined in red on the above plan. Hagshaw Energy Cluster - Western Expansion | Phase 1 will form the subject of a standalone Section 36 application to be submitted to the Scottish Ministers later in 2024. More details of the proposed Phase 1 development are provided on the next board.

#### Phase 2

In parallel with progressing the application for Phase 1, discussions with stakeholders will continue on the proposal to bring forward a separate application for the remaining components of the Hagshaw Energy Cluster - Western Expansion project outlined in blue on the above Figure 1 (Phase 2). The application for Phase 2 of the development is currently proposed to comprise turbines within Areas B and C, and the green hydrogen in Area F. Phase 2 also has the potential to include a separate BESS and substation compound within Area B adjoining the A70 east of Muirkirk, outwith the SPA/SSSI.

It is currently proposed that an application for Phase 2 would be submitted once the potential impacts on, and benefits to, the SPA and SSSI are further considered by all stakeholders in the context of the requirements of the national and international nature conservation regulations.



Picture looking west through Douglas West Wind Farm within Hagshaw Energy Cluster

# 3R Energy





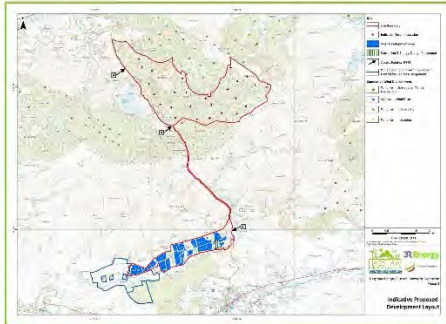
## Board 3

# Hagshaw Energy Cluster Western Expansion | Phase 1

### The Proposed Development (Phase 1)

The Proposed Development is planned to comprise up to approximately 487 megawatts (MW) of renewable energy generation and energy storage output capacity, consisting of approximately 187 MW wind energy, 100 MW solar energy, and 200 MW battery energy storage systems.

The layout as shown below has been optimised in terms of wind yield analysis, landscape advice, ornithological advice and survey results as well as other environmental and engineering considerations. The layout is however only indicative at this stage and may be subject to further design iteration.



### Project Components

### Technical Details

<b>Turbines</b>	Up to 26
<b>Turbine Capacity</b>	Around 7.2 MW each
<b>Maximum Tip Height</b>	230 m
<b>Maximum Rotor Diameter &amp; Blade length</b>	163 m & 81 m
<b>Crane Pads</b>	Each wind turbine requires an area of hardstanding adjacent to the turbine which provides a stable base for the cranes that are necessary to erect the structures.
<b>Anemometer Masts</b>	Anemometer masts will be located on the site. The masts would be kept for the duration of the operational period of the wind farm to monitor and record wind conditions.
<b>Solar Development Area</b>	Area around 100 ha with panel height up to 3 m
<b>Battery Energy Storage System</b>	Located alongside the substation will be two energy storage buildings housing a complement of batteries to store electricity generated by the wind and solar components when it is not needed on the grid. The batteries will be stored within two agricultural style sheds (60 m x 40 m) and have a capacity of around 200 MW.
<b>Substation &amp; Control Room</b>	An on-site substation and control room would house switchgear and metering and would connect the wind and solar farm to the grid.
<b>Temporary Construction Compound(s)</b>	During the construction phase, a secure compound(s) would be required to store construction equipment and machinery. A hardstanding of locally won stone would be required for the base of the compound(s).
<b>Borrow Pits</b>	Where possible, the stone required for new tracks, turbine bases and hardstanding areas would be sourced from on-site borrow pits.
<b>Access Route and Tracks</b>	Access to Phase 1, for abnormal loads, is currently proposed to be taken from J11 of the A73 through the eastern extent of the existing Hagshaw Energy Cluster to meet the A70 west of Glasgow (exact route tbc), then following the A70 to Muirkirk before heading north along the B743 to the site (access Point B on the figure above). See plan on next board for proposed abnormal load route.
<b>Grid Connection</b>	It is currently proposed that the Proposed Development will connect to the new Redshaw Transmission Substation near Crawfordjohn. The route of the cable(s) from the on-site substation to the Redshaw Transmission Substation will be developed separately by the Network Operator.
<b>Total Generating Capacity</b>	Around 487 MW
<b>Total Energy Generation per Year</b>	Around 995 giga-watt hours
<b>Operational Life</b>	40 years

# 3R Energy

## Board 4a

# Hagshaw Energy Cluster Western Expansion | Phase 1

### The Environmental Impact Assessment (EIA) Process

An EIA is the process of assessing the likely environmental impacts of a proposed project.

The EIA is required to follow clear steps which can be summarised as follows:

- Screening to determine whether a particular project requires the preparation of an Environmental Impact Assessment Report (EIAR);
- Scoping stage at which the scope of the EIAR is defined through consultation with statutory consultees;
- Preparation of the Draft EIAR;
- Public Consultation;
- Finalisation of the EIAR; and
- Review and decision by decision maker.

The EIA process aims to assist the Scottish Government and Local Authority in their determination of the application by identifying where any significant environmental effects are predicted. The EIAR will be carried out in consultation with statutory consultees, interested parties and the general public.

The EIA process is iterative, and consultation will be undertaken throughout the project programme to take into consideration essential feedback which will inform the project design and layout.



### Environmental Impact Assessment Report (EIAR)

The EIAR will consider the effects of the Proposed Development during construction, operation and decommissioning of the Hagshaw Energy Cluster – Western Expansion (Phase 1). The EIAR will report the assessment on the following topics:

#### Landscape and Visual

Will assess the effects of the development on the character of the landscape and views from agreed locations. Further information is presented on the following boards including a selection of visualisations from locations surrounding the site.

#### Ecology

Will assess the effects of the development on protected habitats, flora and fauna on and in close proximity to the site. Surveys of the flora and fauna have been undertaken for the last two years and further surveys are planned in spring / early summer this year.

#### Ornithology

Will assess the effects of the development on birds and protected bird habitats on and in close proximity to the site. Bird surveys have been carried out since the spring of 2021 and will be completed this winter. Surveys have covered both the breeding and non-breeding seasons and additional surveys to cover the qualifying aspects of the Muirkirk and North Lowthor Uplands Special Protection Area of have been undertaken.

#### Noise and Vibration

Will assess the effects of the development on properties from noise and vibration caused by the development, both from the wind turbine components as well as the battery energy storage facility and transformers within the area of solar.

# 3R Energy



## Board 4b

# Hagshaw Energy Cluster Western Expansion | Phase 1

### Environmental Impact Assessment Report (continued)

#### Cultural heritage -

Will assess the effects of the development on the integrity and setting of historic sites within the development and in the surrounding area.

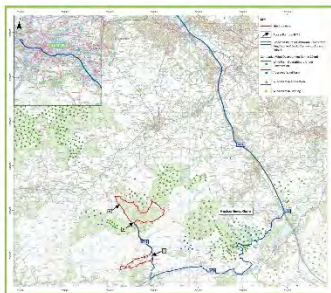
#### Forestry -

Will assess the effects of the development arising from tree removal (way-holding) to facilitate wind farm infrastructure within the northern development area.



#### Traffic and transport -

Will assess the effects of the development from traffic travelling to, and from, the site. The exact route is still to be confirmed but currently the proposed route for abnormal loads (turbine components) is from Junction 11 of the M74 motorway, through the existing Hagshaw Cluster to join the A70 west of Glasgow, then following the A70 to Muirkirk, before turning north onto the B743 (as shown on the figure to the right). All wind turbine abnormal loads will enter the site at Point B at Dungevell Forest only.

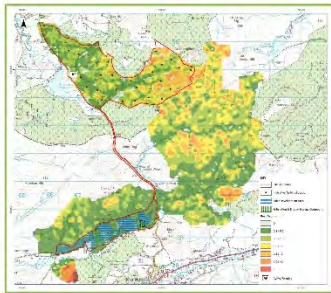


#### Socio-economics, tourism, and recreation -

Will assess the effects of the development on the local and national economy, local tourism businesses, and recreation facilities.

#### Hydrology, hydrogeology and geology -

Will assess the effects of the development on surface water, groundwater, carbon stores, rocks and soils. An extensive peat probing exercise has been undertaken across the site to inform the current design. The figure to the right shows the interpolated peat depth map across the site.



#### Shadow flicker & glint and glare -

Will assess the effects of the development caused by the passing of the turbine blades in front of the sun and the effects of sunlight reflecting off the solar panels.

#### Aviation, radar and telecommunications -

Will assess the effects of the development on civil and military aviation facilities and air space and telecommunications facilities.

A further issue which will be considered in the EIA is that of potential cumulative impacts: that is, what effect will the development of this project have in conjunction with the operation of any other similar projects in the locality.

# 3R Energy

## Board 5a

# Hagshaw Energy Cluster Western Expansion | Phase 1

### Landscape & Visual Impacts

It is acknowledged from the outset that, in common with almost all commercial wind energy developments, some landscape and visual effects would occur as a result of the proposals, including some significant effects.

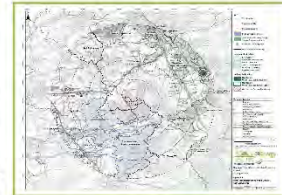
A key principle of the European Landscape Convention is that all landscapes matter and should be managed appropriately. It is also acknowledged that landscapes provide the surroundings for people's daily lives and often contribute positively to the quality of life and economic performance of an area.

The EIA will therefore consider what impacts there will be on the local landscape and key viewpoints from the proposed development.

#### Study Area Landscape Character

The Proposed Development site is split into two main development areas, with the wind turbines located within the northern development area (Dungevell Forest), and the solar BES5 and substation located within the southern development area (Netherwood).

The northern development area of the Proposed Development comprises areas of commercial coniferous plantation and lies within the Plateau Moorlands - Glasgow & Clyde Valley Landscape Character Type (LCT 233). The southern development area comprises rough grassland principally used for silage and grazing cattle and sheep, with woodland fringes and lies within the Plateau Moorland - Ayrshire Landscape Character Type (LCT 78).

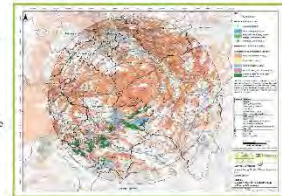


The site is not located within any of the Identified Special Landscape Areas in South Lanarkshire or East Ayrshire, but does lie adjacent to the River Ayr Sanctuary Landscape Area in East Ayrshire. Landscape designations within 20 km of the site are shown on the figure above.

#### Selected Viewpoint Locations & ZTV

A series of key representative viewpoint locations around the local area have been identified and will be agreed with the Scottish Government Energy Consents Unit, South Lanarkshire Council, East Ayrshire Council and NatureScot for use in the landscape and visual assessment.

A zone of theoretical visibility (ZTV) map was created as a starting point to illustrate the geographical area within which views of development on site are theoretically possible. The ZTV is based on a 'bare-earth' scenario, whereby the screening effects of areas of existing vegetation, or built features in the landscape are not taken into consideration. The ZTV was modified using the proposed max turbine tip height of 220 m.



The ZTV and selected viewpoint locations are shown on the figure to the right.

Turbines over 150 m are required by the Civil Aviation Authority to be fitted with visible aviation warning lighting. The Landscape & Visual Impact Assessment (LVIA) will therefore also include an assessment of the effects which would arise from this during low light conditions.

#### Design Iteration

Although the final specification of the turbines is not known at this time, they are likely to be up to 220 m maximum tip height, each with a generating capacity of up to approximately 7.2 MW. The design and consultation process is still ongoing and the final layout of the proposed development will be confirmed through further consultation, both with stakeholders and the local community.

A series of visualisations have been prepared to show how the proposed development layout (shown on the figure on the Proposed Development Board) would look from the following locations:

- Viewpoint 1: Drumclog
- Viewpoint 3: The River Ayr Way (south of Muirkirk)
- Viewpoint 9: A71, bridge crossing Calder Water
- Viewpoint 10: Strathaven War Memorial

# 3R Energy





## Board 5aBoard 5b

### Hagshaw Energy Cluster Western Expansion | Phase 1

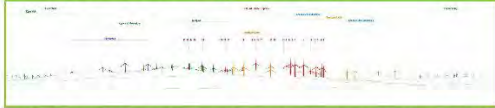
#### Visualisations of the Wind Turbine Component

The following visualisations provide an indication of what the wind turbine component of the proposed development would look like from Drumclog, and The River Ayr Way (south of Muirkirk).

##### Viewpoint 1: Drumclog



Baseline photograph showing the current view looking southeast from Drumclog.



Cumulative bare-earth wireline view looking southeast from Drumclog showing the proposed development turbines in red, consented but not yet built turbines in blue, operational/under construction turbines in green, in-planning turbines in orange, and Scoping stage turbines in purple.

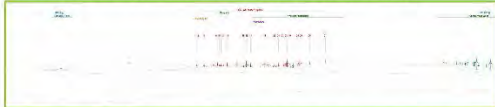


Photomontage showing how the proposed development would look, in combination with all other cumulative projects (except those in Scoping) shown on the wireline above, when looking southeast from Drumclog.

##### Viewpoint 2: River Ayr Way



Baseline photograph showing the current view looking north from the River Ayr Way south of Muirkirk.



Cumulative bare-earth wireline view looking north from the River Ayr Way showing the proposed development turbines in red, consented but not yet built turbines in blue, operational/under construction turbines in green, in-planning turbines in orange, and Scoping stage turbines in purple.



Photomontage showing how the proposed development would look, in combination with all other cumulative projects (except those in Scoping) shown on the wireline above, when looking north from the River Ayr Way.

# 3R Energy

## Board 5c

### Hagshaw Energy Cluster Western Expansion | Phase 1

#### Visualisations of the Wind Turbine Component

The following visualisations provide an indication of what the wind turbine component of the proposed development would look like from the A71 and the Strathaven War Memorial.

##### Viewpoint 9: A71, bridge crossing Calder Water



Baseline photograph showing the current view looking south from the bridge crossing the Calder Water on the A71.



Cumulative bare-earth wireline view looking south from the bridge crossing the Calder Water on the A71 showing the proposed development turbines in red, consented but not yet built turbines in blue, operational/under construction turbines in green, in-planning turbines in orange, and Scoping stage turbines in purple.



Photomontage showing how the proposed development would look, in combination with all other cumulative projects (except those in Scoping) shown on the wireline above, when looking south from the A71.

##### Viewpoint 10: Strathaven War Memorial



Baseline photograph showing the current view looking south from the Strathaven War Memorial.



Cumulative bare-earth wireline view looking south from the Strathaven War Memorial showing the proposed development turbines in red, consented but not yet built turbines in blue, operational/under construction turbines in green, in-planning turbines in orange, and Scoping stage turbines in purple.



Photomontage showing how the proposed development would look, in combination with all other cumulative projects (except those in Scoping) shown on the wireline above, when looking south from the Strathaven War Memorial.

# 3R Energy





## Board 6

# Hagshaw Energy Cluster Western Expansion | Phase 1

### Project Benefits

#### Community Investment Fund

We propose to consult on community benefits and shared ownership opportunities for the Hagshaw Energy Cluster – Western Expansion (Phase 1) project. We are keen to engage with the local communities surrounding the project to explore the potential to establish a new Community Trust Fund (or similar) mechanism which would receive income (community benefit payments) from the project which would yield the financial resources to deliver a Community-Led Investment Strategy for the communities closest to the development.

The overarching objective of the new Trust would be to deliver real improvement to the socio-economic environment in nearby communities over the project's 40-year operational life. In order to achieve this, the Hagshaw Energy Cluster Western Expansion (Phase 1) would make contributions of up to £936,000 each year\* to the newly established Community Trust. This equates to a total of £37.4 million of investment in the local area over the life of the project\*. Future discussions will be held with the closest communities to agree a proportionate split of community benefit funding relative to the impacts of the finalised project.

The new Community Trust Fund could be used to deliver some of the following ideas:

- Local Energy Discount Scheme for closest communities;
- Local training and employability programmes;
- Strategic Investment Plan to maximise Community Wealth Building opportunity over 40 year period;
- New community assets in the closest villages – do you have any suggestions?



Other associated benefits of the project include:

- Community Ownership opportunity;
- Green energy to supply around 192,150 homes;
- Approximately 230,700 tonnes of CO<sub>2</sub> saved every year.

#### Economic Investment & Employment

- The development would see significant local investment and the creation of local business opportunities during both the construction and operation.
- As part of the wider Hagshaw Energy Cluster work, the project intends to establish links with local schools and colleges to develop training initiatives to enhance opportunities for local people to embark on a career within the renewable energy industry.
- The Applicant is committed to using suppliers as close to the project as possible and to delivering a high percentage of construction values and training opportunities to local companies and local people (subject to complying with procurement regulations).

\* Community benefit fund figures are based on a project including 187.2 MWs of wind generating capacity, a community benefit contribution of £5,000/MW of wind energy, and an operational life of 40 years.

**We would like the community to shape the community benefit package so that it best meets local needs and aspirations: the split of funding will be agreed with the local community groups and organisations.**

**Do you have ideas for how you would like to see the community benefit fund used locally?**



# 3R Energy



## **Appendix 3.5 Round 3 Public Exhibitions (Feb. 2025)**



## Adverts

East Kilbride News

Placed on 12 and 19 February 2025.

### 12 February 2025 Issue – Front Page

12.02.2025 GET 50% OFF THIS PAPER FOR 6 MONTHS\* SEE PAGE 27

**East Kilbride News** EST. 1952

**Victory for Lewis**

**INSIDE**

**SUPPORT FOR YOUNG COLTS**

**RAMBLERS PUT THEIR BEST FEET FORWARD**

**Council to foot bill for roof repair**

**FAMILY'S FLOOD HELL AFTER STORM**

**LEFT HOMELESS AND BROKEN**

Property so badly damaged it's now uninhabitable for mother and son

**ANDREW LAMBROU**

A career has been left in tatters after a family's home was destroyed by a storm. The family is now homeless and the damage to the property is so severe that it is now uninhabitable. The family is now homeless and the damage to the property is so severe that it is now uninhabitable.

### 12 February 2025 Issue – Advert Page

www.eastkilbridenews.co.uk

**Stay informed...** Public Notice Portal

**3R Energy**

**Lost money on your investment?**

Was your investment sold to you by a bank or financial adviser?

Investments such as Stocks and Shares ISA, Investment Bonds and SIPP/Retirement Funds can be very risky. You could be thousands of pounds in compensation.

There is no deadline for mis-sold investments but even if you no longer have any paperwork, we can still help.

**Call our Claims Advisers for a QUICK assessment to see if you can make a claim...**

**FREEPHONE 0808 271 8689** or Text FIND to 66777

**Goodwin Barrett**

BECAUSE YOUR MONEY MATTERS

### 19 February 2025 Issue – Front Page

19.02.2025 GET 50% OFF THIS PAPER FOR 6 MONTHS\* SEE PAGE 8

**East Kilbride News** EST. 1952

**Gaffer pitches in on park**

**PLAYSTATION RECOVERY**

**ICE QUEENS PLAY IT COOL IN DENMARK**

**Hikers love the great outdoors**

**MUM'S TRIBUTE AFTER DJ SON DEATH**

**RYAN'S LEGACY OF COURAGE AND HOPE**

Suffered rare stroke

**ANDREW LAMBROU**

A heartbroken mum has paid a loving tribute to her son, Ryan, who died of a rare stroke. The tribute is a testament to his courage and hope.

### 19 February 2025 Issue – Advert Page

www.eastkilbridenews.co.uk

**Home Improvements**

**Place to let? Flat for sale? Get moving!**

**Build your business.**

**Stay informed...** Public Notice Portal

**3R Energy**

**The recycled paper content of UK newspapers in 2016 was 62.8%**

**I heard his breath at my doorway. That was all it took.**

**The Letter**

**SARAH HOBSON**

**ONE YEAR NOW**





## Poster

**3R Energy**

**PUBLIC CONSULTATION EVENT**


**Hagshaw Energy Cluster - Western Expansion | Phase 1**

3R Energy is hosting an additional public consultation event into a proposed mixed renewable energy development known as Hagshaw Energy Cluster - Western Expansion | Phase 1. The site adjoins an established cluster of wind farms at Dungavel Hill in rural South Lanarkshire and extends southwards towards the village of Muirkirk in East Ayrshire.

The proposals include the installation of up to 18 wind turbines (within area A on the map), solar panels, substation, energy storage facility (within area B on the map) and associated infrastructure. The project would have a total generating capacity of up to 415 megawatts (MW).



We are holding an additional public consultation event to provide updated details of the proposed development, the next steps, as well as to seek the views of the local communities and to answer any questions you may have. The principal change from earlier public consultation events we are looking to consult upon is the inclusion of a revised abnormal load transport route option utilising the A71 through Strathaven from Junction 8 of the M74 motorway.

The event will be held on:  
**Wednesday 26<sup>th</sup> February 2pm to 7pm**  
**Strathaven Hotel, Hamilton Road, Strathaven, Lanarkshire, ML10 6SZ**



3R Energy Lanark Auction Market Hyndford Road Lanark ML11 9AX  
Tel. 01555 660244 Web. [www.3renergy.co.uk](http://www.3renergy.co.uk)

## Poster - Proof of Placement

Co-op, Stonehouse	Community Board, Sandford
	



Community Board, Stonehouse



Co-op, Strathaven



Fuel Station, Strathaven




Sainsbury's, Strathaven





## Feedback & Attendance Forms

Feedback Form	Attendance Sheet																								
<div><h3>FEEDBACK FORM</h3><p>To record your views and help us improve our future information days, please complete this feedback form.</p><p>It should take no longer than a few minutes.</p><p>Reason for attending the consultation event today?</p><p>Community Interest <input type="checkbox"/> Community Council Representative <input type="checkbox"/> Local Resident <input type="checkbox"/> Local Business <input type="checkbox"/> Other - Please specify: _____</p><p>Do you have any comments or questions regarding the proposal or requests for further information?</p><div></div><p>Do you have any suggestions on how the community benefit fund should be used in the area, to benefit local people and communities? Is the Local Energy Discount Scheme a good idea?</p><div></div><p>Please leave your details below to allow 3R Energy to respond to your comment/question:</p><p>Name: _____ Address: _____ Email: _____ Telephone: _____</p><p><small>Your personal information will be treated in accordance with the UK General Data Protection Regulation (GDPR).</small></p></div> <div><h3>HEC- WE (Phase 1)</h3><p>Public Exhibition   26<sup>th</sup> February 2025 Attendance Sheet</p><p>Thank you for coming to our public consultation event. We would be grateful if you could sign the attendance register to ensure we have a record of attendance at today's exhibition.</p><p>The information will be held by us in accordance with the Data Protection Act 1998 and will not be sold, transferred or otherwise disclosed to any third party, unless such disclosure is required by law.</p><table border="1"><thead><tr><th>Name</th><th>Address</th></tr></thead><tbody><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></tbody></table><p>3R Energy Lanark Auction Market Hyndford Road Lanark ML11 9AX Tel: 01555 660244 Web: www.3renegy.co.uk</p></div>	Name	Address																							
Name	Address																								

## Pictures

### Strathaven









## Boards

## Board 1

## Hagshaw Energy Cluster Western Expansion | Phase 1

We would like to welcome you to this exhibition, where we can provide information on the proposed development and hold conversations with the local communities and key stakeholders about how we can develop a project that will help to support the local economy and environment alongside actively contributing towards Scotland, and the UK's, renewable energy targets.

### The Applicant

Source: U.S. Dept. of Energy, "Renewable Energy: A Roadmap for the Future," p. 10.

- own and manage 3,500 acres of land in the Joplin Valley
- have farmed the land for over 120 years
- generates a combined annual turnover of c. £6 million
- employs 55 people as a direct result of the group's presence within the Hagwood Energy Cluster

As a local company, *Chilmer* is committed to working with the communities closest to the Haysden Cluster for the long term to develop and deliver successful projects which create a significant and long-term benefit for the local area.

The Applicant intends to apply to the Scottish Ministers for permission to construct and operate a large-scale Energy Cluster – Western Fife, on a 1,500-hectare site adjacent to the existing 1,000-hectare site of the Fife Hills and South Lonsdale, extending southwards to the north of the village of Muirkeir and East Ayr, etc.

This proposal builds on JREnergy's experience and knowledge of renewable generation in the local area, helping to provide diversity and opportunities for the future.

## Background

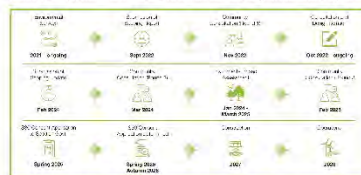
We have previously had public consultations in November 2022 and March 2023 to discuss the proposals and gather questions and comments from those communities located closest to the site. As a direct result of the responses received, we have amended the proposals and, in all with the coastal community at, updated them or the proposed changes and the reasons behind them, which the east coast coastal community can view on additional access route options have been proposed for delivery of abnormal loads via the waterborne component to the site.

Predictably, abnormalised delivery was only looking to find access to the alternative junction 11 of the M74, straight to Liphigash Crag; Clunter before dropping on into the A9, and west to Marink, before the shazam north along the B742. It also happened that the people from across the border had made the same decision, heading through the shifting Magdalen ridge Crag, as noted above, as well as a second route exiting the M74 at junction 10, having east or south the A9 through Sturges and Strathven, and then south along the B643. Only one of these routes will ever play a significant role in the future, like phase for the delivery of abnormal values.

Like you, I am disappointed by the numerous problems at such a simple node as the following basins:

### Next Steps

We will again take into account the feedback we receive from this public consultation event as we refine our proposals and finalise the application for consent. A formal Section 24 application for Phase 1 of the Haysman Energy Cluster Western Juggler project will then be submitted to the Scottish Government Energy Consents Unit in Spring 2022.



Comments can be made by JREnergy at the address below or in feedback forms at the events. Please note that only non-union made at this stage are not representative of the Scottish Ministers. Once the public or a sufficient there will be an opportunity to make representations directly to the Scottish Ministers at that time.

Thank you for coming

3R Energy, Llanark Auction Market, Hyndford Road, Llanark, ML11 9AX  
 Web: [www.3renegy.co.uk/projects/highline-energy-windfarm-westerne-expansion/](http://www.3renegy.co.uk/projects/highline-energy-windfarm-westerne-expansion/)  
 Email: [info@3renegy.co.uk](mailto:info@3renegy.co.uk)  
 Tel: 01555 660244

# 3R Energy

## Board 2

## Hagshaw Energy Cluster Western Expansion | Phase 1

### The Proposed Development

The Proposed Development is planned to comprise approximately 413 megawatts (MW) of renewable energy generation and energy storage capacity, consisting of approximately 120 MW wind energy, 60 MW solar energy, and 225 MW battery energy storage systems.

The layout as shown below has been optimised in terms of wind yield analysis, anemotape drive, morphological statistics and survey results as well as other on-site structural and engineering considerations.



### Project Components

Turbines	Up to 18
Turbine Capacity	Around 7,700W each
Maximum Updraft	210m
Maximum Rotor Diameter	16.2m & 9.5m

---

Solar Development Area	Area around 200 m width parallel height up to 3 m and a generating capacity of around 10 MW.
------------------------	--

stringency is also necessary either if a sustainable environment needs to be the case for people.

<b>Temporary Construction Compounds</b>	During the construction phase, a secure compoundist would be required to secure construction equipment and machinery and all other materials being placed. A second and/or heavily worn stanchion would be required for the hoist of the compoundist.
<b>Recovery Site</b>	Wherever possible, the stanchion should be positioned in a secure location and

### Access Route

through the eastern end of the maining. Foghorn Ferry Cluster (unit A76) west of Elgin, then to Muddykhe'aw heading north along the B73 line (across Port A of the Hauruabool) or over the M74 at 8 and back

**Grid Connection** It is currently contracted that the "Frontend Draw-off point" will connect to the new Madhav Transmision Substation near Chertol (GDP). The route of the cables from the on-site substation to the Madhav Transmision Substation is being developed separately by the Network Operator (SPDN).

Total Generating Capacity	Around 430 MW
Total Energy Generation per Year	Around 477,000,000 kWh
Operational Life	25 years

# 3R Energy



## Board 3a

### Hagshaw Energy Cluster Western Expansion | Phase 1

#### The Environmental Impact Assessment (EIA) Process

An EIA is the process of assessing the likely environmental impacts of a proposed project.

The EIA is required to follow four stages which can be summarised as follows:

- Screening to determine whether a particular project requires the preparation of an Environmental Impact Assessment Report (EIAIR).
- Scoping stage at which the scope of the EIAIR is defined through consultation with statutory consultancies.
- Preparation of the EIAIR.
- Public Consultation.
- Finalisation of the EIAIR and
- Review and decision by decision maker.

The EIA process aims to enable the Scottish Government and Local Authority to make a determination of the application by identifying where any significant environmental effects are predicted. The EIAIR will be carried out in consultation with statutory consultancies, interested parties and the general public.

The EIA process is iterative, and consultation will be undertaken throughout the project programme to ensure considerations essential to the project design are taken into account.



#### Environmental Impact Assessment Report (EIAIR)

The EIAIR will consider the effects of the proposed development during construction, operational and decommissioning of the Hagshaw Energy Cluster Western Expansion Phase 1. The EIAIR will report the assessment on the following topics:

- Landscape and Visual**  
Will assess the effects of the development on the character of the landscape and views from agricultural locations. Further information is presented on the following boards including an example illustration of the location near the site.
- Ecology**  
Will assess the effects of the development on protected habitats, flora and fauna on and in close proximity to the site. Surveys of the flora and fauna have been undertaken for a survey period for the project.
- Ornithology**  
Will assess the effects of the development on birds and protected bird habitats on and in close proximity to the site. Bird surveys have been carried out since the spring of 2021. Surveys have covered both breeding and non-breeding seasons and additional surveys to cover the quarrying species of the North and North Western Uplands Special Protection Area have been undertaken.
- Noise and vibration**  
Will assess the effects of the development on properties from noise and vibration from the development, both from construction and operation of the wind turbines, the battery energy storage facilities, and the substations.

# 3R Energy

## Board 3b

### Hagshaw Energy Cluster Western Expansion | Phase 1

#### Environmental Impact Assessment Report (continued)

##### Cultural heritage

Will assess the effects of the development on the integrity and setting of historic sites within the development area and the surrounding area.

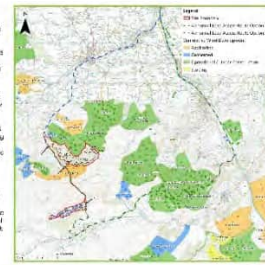


##### Forestry

Will assess the effects of the development arising from tree removal to facilitate wind turbine construction and operation.

##### Traffic and transport

Will assess the effects of the development from the A75, travelling to and from the site. The exact route for agricultural roads during construction is still to be confirmed. There are currently two options as shown on the figure to the right.

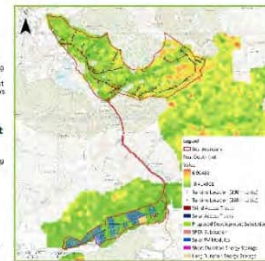


Option 1 is from Junction 11 of the A75, travelling west along the A75 through Strathclyde and Strathclyde, then following the A75 through Strathclyde and Strathclyde, then turning south onto the A76. Option 2 is from Junction 11 of the A75, travelling west along the A75 through Strathclyde and Strathclyde, then turning south onto the A76. Option 3 is from Junction 11 of the A75, travelling west along the A75 through Strathclyde and Strathclyde, then turning south onto the A76.

Option 3 is from Junction 11 of the A75, travelling west along the A75 through Strathclyde and Strathclyde, then turning south onto the A76. Option 4 is from Junction 11 of the A75, travelling west along the A75 through Strathclyde and Strathclyde, then turning south onto the A76.

##### Hydrology, hydrogeology and geology

Will assess the effects of the development on surface water, groundwater, carbon dioxide, and peat. An extensive peat probing exercise has been undertaken across the site to inform the current design. The results of the peat probing exercise are shown on the map to the right.



##### Shadow flicker and glint and glare

Will assess the effects of the development on shadow flicker and glint and glare. The results of the shadow flicker and glint and glare assessment are shown on the map to the right.

##### Aviation, radar and telecommunications

Will assess the effects of the development on aviation, radar and telecommunications. The results of the aviation, radar and telecommunications assessment are shown on the map to the right.

A further issue which will be considered in the EIAIR is that of potential cumulative impacts, that is, what effect will the development of this project have in conjunction with the operation of any other projects in the locality.

The results of the proposed development on the local and national economy, local tourism businesses, and recreation facilities will be addressed through a separate Socioeconomics report.

# 3R Energy



## Board 4

### Hagshaw Energy Cluster Western Expansion | Phase 1

#### Landscape & Visual Impacts

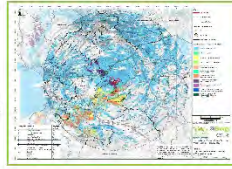
It is acknowledged from the outset that, in common with almost all commercial wind energy developments, some landscape and visual effects would occur as a result of the proposals, including some significant effects. A key principle of the Desktop Landscape Convention is that all landscapes matter and should be managed appropriately. It is also acknowledged that landscapes provide the surroundings for people's daily lives and often contribute positively to the quality of life and personal performance of an area. The CLA will therefore consider what impacts there will be on the local landscape and key viewpoints from the proposed development.

#### Selected Viewpoint Locations & ZTV

A series of key representative viewpoint locations around the local area have been identified and agreed with the Scottish Government Energy Consents Unit, South Lanarkshire Council, East Ayrshire Council and Natural Scotland for use in the landscape and visual assessment.

A range of theoretical visibility (ZTV) maps were created as a starting point to illustrate the geographical area in which views of the development on site are theoretically possible. The ZTV and selected viewpoint locations are shown on the figure to the right.

Turbines over 110m are regulated by the Civil Aviation Authority to be fitted with visible aviation warning lighting. The Landscape & Visual Impact Assessment (LVIA) will therefore also include an assessment of the effects of this aviation lighting from this during low light conditions.



#### View from Strathaven

Although the final specification of the turbines is not known at this time, they are likely to be up to 220m maximum tip height (tower 16, 220m), each with a generating capacity of up to approximately 7.2 MW. A visualisation (Viewpoint 10) has been prepared from the Strathaven War Memorial to show how the proposed development layout (shown on the figure in the Proposed Development Board) would look.



Satellite photograph showing the current view looking south from the Strathaven War Memorial.



Cumulative near-north westerly view looking south from the Strathaven War Memorial showing the proposed development turbines (dark red), consented but not yet built turbines in light blue, consented/under construction turbines in green, in planning turbines in orange, and existing strategic sites in purple.



Photomontage showing how the proposed development would look in combination with other cumulative projects (except those in Scoping) shown on the westerly above, when looking south from the Strathaven War Memorial.

# 3R Energy

## Board 5

### Hagshaw Energy Cluster Western Expansion | Phase 1

#### Project Benefits

##### Community Fund

We are keen to engage with the local communities surrounding the project about community benefits and the potential to establish a new Community Trust Fund mechanism for similar work that would secure the Community benefit payments from the project that would yield the financial resources to deliver a Community-Led Investment Strategy for the communities closest to the site.

The overarching objective of the new Trust would be to deliver real improvement to the socio-economic environment in nearby communities over the project's 40-year operational life. In order to achieve this, the Proposed Development would make contributions of up to £688,000 each year\* to the newly established Community Trust. This equates to a total of £27.2 million of investment to be shared over the life of the project. Future decisions will be taken with the closest communities to agree a proportionate split of community benefit funding relative to the impacts of the finalised project on surrounding communities.

The new Community Fund could be used to deliver some of the following items:

- Local Energy Discount Scheme for domestic communities;
- Local training and employment programme;
- Strategic investment plan to maximise Community Wealth Building opportunity over 10 year period;
- New community events in the closest villages – co-ordinated by the project.

The employment of a community benefit fund of this scale is expected to support up to 9 jobs yearly, create local supply chain training and opportunities for local employment, capital investment and skills development.



##### Other Associated Benefits

The project's development and construction activities is estimated to generate:

- £39.4 million Gross Value Added (GVA) and support c.217 jobs/year in South Lanarkshire and East Ayrshire (with peak employment of 215,000); and
- £54.6 million GVA and c.640 jobs/year across Scotland (with peak employment of 297 jobs).

The expenditure required for the operations and maintenance of the Proposed Development is estimated to generate each year:

- £2.6 million GVA and support c.14 jobs in South Lanarkshire and East Ayrshire; and
- £4.5 million GVA and support c.16 jobs across Scotland.

The Applicant has committed to prioritising local companies for contracts where possible, and promoting such opportunities to local suppliers with the aim of achieving high local content.

The Proposed Development is expected to support the provision of local public services and the investment priorities of local communities. During its operational life, it is expected to generate approximately £4.7 million in non-domestic rates yearly.

The Proposed Development will generate enough green electricity to:

- Supply around 93,000 homes; and
- Save approximately 180,000 tonnes of CO<sub>2</sub> every year.

##### Economic Investment & Employment

- The Proposed Development would see significant local investment and the creation of local business opportunities during both the construction and operation.

As part of the wider Hagshaw Energy Cluster initiative, the project intends to build upon the success of the Development Framework, including establishing links with local schools and colleges to develop training initiatives to enhance opportunities for local people to embark on a career within the Scottish energy industry. 3R Energy has already committed funding for local school visits to the Hagshaw Energy Cluster in 2023.

- The Applicant is committed to using suppliers as close to the project as possible and to delivering a high percentage of construction value and training opportunities to local companies and local people (subject to complying with procurement regulations).

\* Community benefit fund types are based on a project including 128.5 MWs of wind generating capacity, a community benefit contribution of £2,000/MW of rated energy, and £20,000 per year from the 200MW long duration energy storage, and an operational life of 40 years.

We would like the community to shape the community benefit package so that it best meets local needs and aspirations; the split of funding will be agreed with the local community groups and organisations.

Do you have ideas for how you'd like to see the community benefit fund used locally?

# 3R Energy



## Appendix 3.6 Local Suppliers Form



## Hagshaw Hill Wind Farm Repowering Public Exhibition | Local Suppliers Form

Thank you for attending today's pre-application public consultation event. Renewable energy developments bring excellent opportunities for local businesses. Local skills can be employed during the construction, operation and decommissioning of a project, bringing substantial benefits for the local economy. We would like to hear from any local businesses who could supply or service our project if we are successful in obtaining planning permission.

As a local business, 3R Energy is fully committed to using local contractors and services wherever possible to maximise the benefits to the local economy. Services of particular interest to us include:

Accommodation	Ready mixed concrete
Earthmoving	Security
Cabling	Plant hire
Joinery	Haulage
Plumbing	Landscaping
Steel fixing	Civil engineering and consultancy
Catering	Electrical engineering and contracting
Temporary signage	Surveying
Quarry products	Fencing

If your company offers any goods or services that you feel may be able to contribute we would be pleased to hear from you.

**You can leave this form here today or post it to:**

3R Energy, Lanark Auction Market, Hyndford Road, Lanark, ML11 7QL

**Company Name:** .....

**Contact Person:** .....

**Address:** .....

.....

**Tel No:** .....

**Email Address:** .....







# HAGSHAW ENERGY CLUSTER

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## **WESTERN EXPANSION**

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# 3R Energy

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