



MOORSIDE

HAVE YOUR SAY

Proposed Scheme Overview

This document is an overview of the Stage Two Proposed Scheme Consultation document. To comment on the consultation, for more information on our consultation events or to access the full document please visit the consultation website, www.nugenconsultation.com

An introduction from NuGen's CEO

I had the privilege of becoming Chief Executive a year ago, and one of my first acts was to visit NuGen's team at a consultation exhibition event at Workington.



The team was exactly half way through a programme of consultation exhibitions and were having some great conversations with people from communities across West Cumbria and beyond about what the Moorside Project would mean to them.

We had over 1,800 people through the doors in our first stage of consultation, visiting both our travelling exhibition and the Moorside Information Centre in the Civic Hall in Whitehaven. We're grateful that over 750 of those people took the time to give us written feedback on our proposals.

We're now returning with our second stage of consultation. I hope people will turn out again in numbers to see how our project has evolved from a strategy to concept designs, and what we have learned from the ongoing technical and environmental studies.

NuGen is at the half way point before submission of the Development Consent Order (DCO) application in Quarter 2 2017. Whilst some elements of the project have been designed and fixed, such as the nuclear Power Blocks, other elements are still evolving.

We wanted to come and speak to you at this point in the evolution of the project, to enable you to have your say as to how these elements should progress into final design. This progression will take place during the remainder of 2016. It is important to get your views now on the proposals as they stand today, particularly how we mitigate the impacts and make the most of the benefits, together.

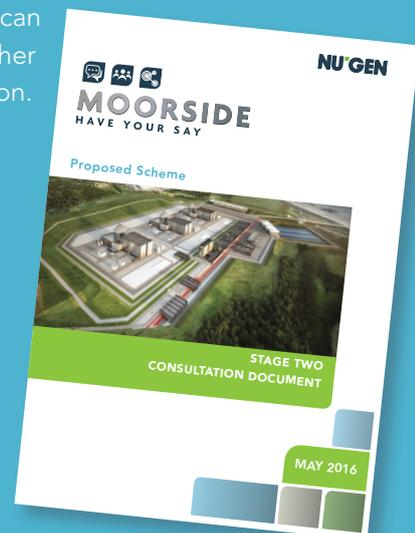
I hope that you will see we have been listening, and will keep doing so. Please do continue to engage with us, your valuable input is needed to make sure we deliver this transformative project in the best way for Cumbria whilst ensuring sustainable legacy benefits for the communities.

Tom Samson
CEO NuGeneration Limited

What is this document?

The Moorside Project aims to build a nuclear power station, to the north and west of the Sellafield Site in West Cumbria (called the Moorside Site). It will include other developments such as: worker accommodation at Corkickle, Mirehouse and Egremont; rail works at the Moorside Site, at St Bees and between Corkickle and Mirehouse; highway improvement works at various sites and other development at the Moorside Site, including a Marine Off-Loading Facility. Construction work will take place from 2018.

This overview aims to provide a summary of the main features of NuGen's 'Proposed Scheme', and which is the subject of the Stage Two Consultation taking place between 14th May and 30th July 2016. This overview document also acts as a road map and will guide you to where you can find further information.





Consultation documents

On the consultation website, www.nugenconsultation.com, you can access the full set of consultations documents:

- Proposed Scheme Overview (this document)
- Proposed Scheme
- Newsletter
- Feedback form
- Non-Technical Summary of the Preliminary Environmental Information Report
- Technical Volumes to include:
 - Preliminary Environmental Information Report (full document)
 - Habitats Regulations Assessment Evidence Plan
 - Draft Outline Construction Environment Management Plan
 - Draft Outline Biodiversity Management Strategy
 - Draft Transport Strategy
 - Plans and Drawings
 - Notice of Proposed Application under s48 Planning Act 2008
 - Draft Property Support Scheme



About NuGen and the Moorside Project

NuGen (NuGeneration Limited) is a UK nuclear company, and a joint venture between Toshiba and ENGIE (formerly GDF SUEZ). NuGen combines the strengths of its multinational parent companies, which have reputations for safety, operational and engineering excellence, combined with comprehensive experience and expertise in the energy sector and over 350,000 employees worldwide.

NuGen's Moorside Project will construct, operate and ultimately decommission a new nuclear power station called Moorside Power Station, with an up to 3.8 gigawatts (GW) nominal gross electrical capacity. This figure is subject to turbine technology choices which NuGen is currently considering and as a result, the generating capacity that is ultimately in the DCO application may be lower than this figure. NuGen has a secured Connection Agreement with National Grid to export up to 3.4GW of

electricity to the grid and any increase in this figure would be subject to future agreement with National Grid.

The output of Moorside Power Station is equivalent to the electricity demand from six million homes, or seven per cent of the UK's electricity needs, all from a clean, reliable, affordable, low-carbon energy source. This can play a vital role in meeting the UK Government's dual challenges of securing affordable future energy supplies and achieving reductions in CO₂ emissions, at a time when existing nuclear power stations are coming to the end of their operational life.

Westinghouse Electric Company, a Toshiba group company, is NuGen's nuclear reactor technology provider. Westinghouse is a leading supplier of nuclear plant products and technologies worldwide and its technology is the basis for

approximately half the world's operating nuclear power plants, including over half of nuclear power plants in Europe.

In Cumbria there is a history of publicly-funded nuclear projects, but the Moorside Project is different. NuGen is a private company, not part of UK Government, the Nuclear Decommissioning Authority (NDA) or connected with the Sellafield Site (owned by the NDA and operated by Sellafield Limited). However, NuGen is, actively engaged in discussions with the NDA and Sellafield Limited to ensure a co-ordinated approach.

NuGen is committed to investing in West Cumbria, and delivering lasting benefits resulting from both the Moorside Project directly, and from sustainable legacy benefits for local communities.





An illustrative impression of the proposed Moorside Site

About the Development Consent Order

The proposed Moorside Power Station and proposals for rail investment (called the Moorside Project Railway) are both nationally significant infrastructure projects (NSIPs). The Planning Act 2008 requires that NSIP proposers apply for a Development Consent Order (DCO) for the development. This replaces the need to obtain planning permission under the Town and Country Planning Act 1990.

NuGen proposes to submit a DCO application in Quarter 2 2017. When submitted, anyone will be able to register and make representations about the application. A panel of independent planning inspectors will be appointed as the 'Examining Authority', which will take up to six months to examine the application. It will then take a further three months to prepare a report to the two relevant Secretaries of State (for Energy and Climate Change, and Transport), making a recommendation. The secretaries of state will have the final say and will take up to three months to make a decision.

A DCO can authorise consent for works both on and off-shore. NuGen will therefore, ask the secretaries of state to include in any DCO that they may grant a deemed Marine Licence for works including the Marine Off-Loading Facility and the Circulating Water System, which will provide cooling water from the Irish Sea. NuGen anticipates that it may be necessary to regulate the use of the Marine Off-Loading Facility and waters around it in order to provide a safe marine management environment, so the DCO Application is likely to include a request for powers to establish a Harbour Authority.

More information...

- See Section 14 of the Proposed Scheme document.
- infrastructure.planningportal.gov.uk/application-process/the-process

DCO PROCESS

NuGen submits DCO application

Quarter 2 2017

Examining Authority examines application

6 months

Examining Authority writes report and makes recommendation

3 months

Consideration by secretaries of state

3 months

Decision

Quarter 3 2018



The Planning Act 2008 requires that effective consultation should be carried out with those that could be affected by the proposed development, to make sure that their views are taken into account, as far as possible. The Act also requires consultation with local authorities, prescribed consultees, those with an interest in the land on which the proposed development is located, local communities and the wider UK.

NuGen is continuing to consult widely, building on the Stage One Strategic Issues Consultation from 2015; and now the Stage Two Proposed Scheme Consultation, from 14th May to 30th July 2016.

As part of the DCO application submission, NuGen will demonstrate both how it has consulted adequately, and has 'had regard to' consultation responses. A consultation report will form part of its application for a DCO in 2017, covering the Stage One Consultation and the Stage Two Consultation.

The Stage One Consultation took place between 16th May and 25th July 2015. NuGen received 779 pieces of written feedback as well as verbal feedback at public exhibitions, which were attended by 1,832 people. NuGen reported on this in the Stage One Consultation Feedback Report, published in November 2015. It set out how NuGen carried out consultation, fulfilled the Statement of Community Consultation, and provided initial responses to the issues raised.

Included with this Stage Two Consultation is an Interim Consultation Report (also available at www.nugenconsultation.com), which explains where NuGen has or has not been able to incorporate suggestions made during the Stage One Consultation, and why.

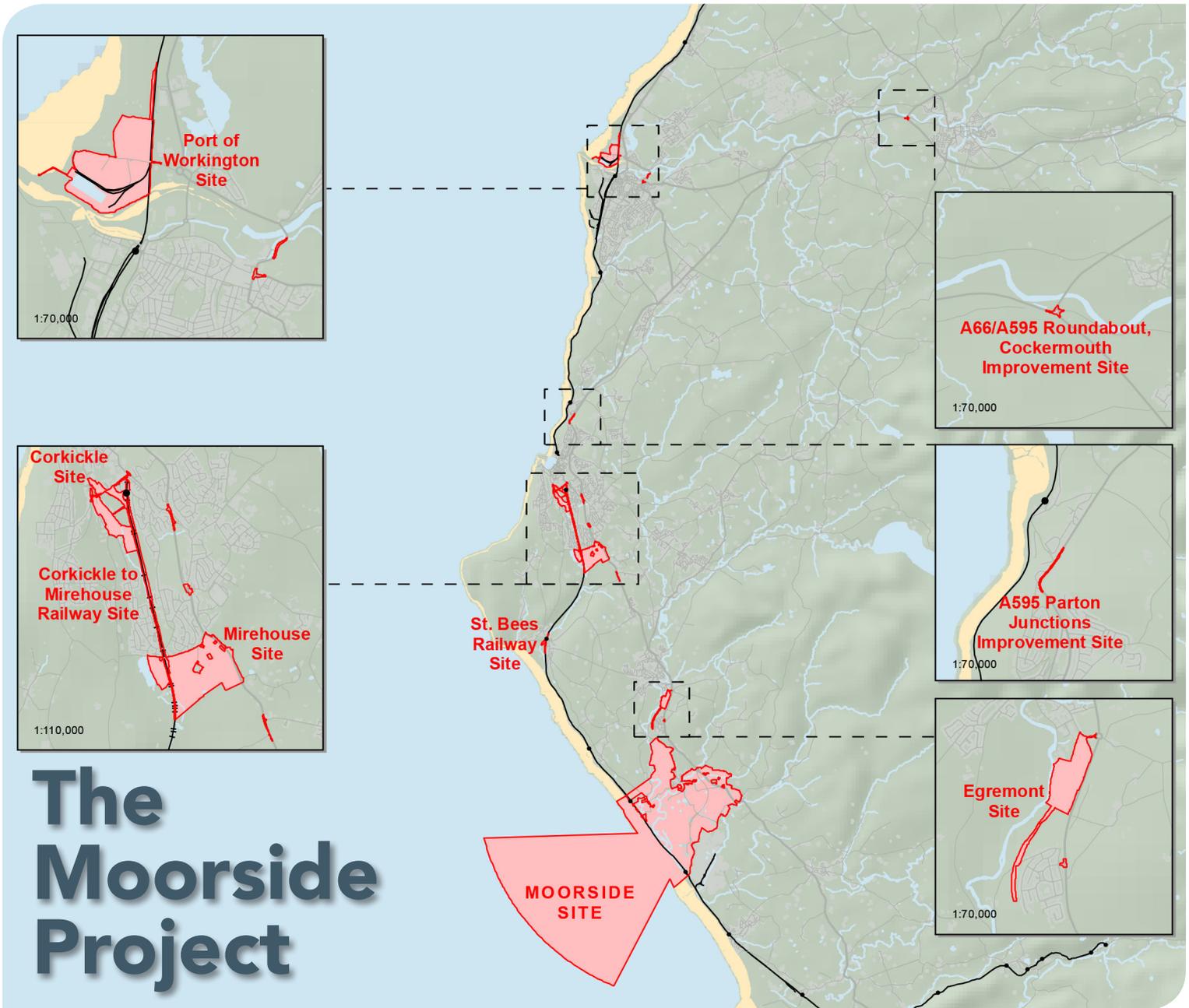
This Stage Two Consultation will present more detailed information on the Moorside Project, explaining NuGen's Proposed Scheme within a series of Stage Two Consultation Documents (see page 2), which are available during the consultation period:

- online at www.nugenconsultation.com;
- at NuGen's Moorside Information Centre at the Whitehaven Civic Hall;
- at all of NuGen's 28 public exhibitions (open 11.00am - 7.30pm); and
- in selected libraries and in the main offices of relevant district and county councils.

All documents will be available electronically, and on a USB digital storage device at no charge. This can be requested or picked up at consultation events and at the Moorside Information Centre. Printed copies of all Stage Two Consultation documents are available upon request, however there may be a charge required to cover the cost of printing larger technical documents. This charge may be waived at the discretion of NuGen.

More information...

- See Section 3 of the Proposed Scheme document.
- NuGen's Statement of Community Consultation available at www.nugenconsultation.com.



The Moorside Project

The Moorside Project comprises the Moorside Development at the Moorside Site; development and other works at the Accommodation Sites; and development and other works at the Additional Sites in Cumbria.

As part of its application for a DCO for the Moorside Project in 2017, NuGen will explain how the Moorside Project has evolved through the Consultation Stages, taking into account technical and environmental considerations, and the alternatives that have been considered by NuGen.

As part of the Design Evolution process, NuGen has also developed a series of strategies which provide the overarching principles to how NuGen is approaching accommodation provision, transport, emergency preparedness and evacuation, local employment and supply chain, and landscape.

More information...

- See Section 5 of the Proposed Scheme document.



The Moorside Development



Main Site - illustrative

The Moorside Development includes the Moorside Power Station, together with all necessary development associated with the Moorside Power Station (including any works to provide environmental mitigation) and ancillary works.

The focus of the site will be Moorside Power Station, with three 'Power Blocks', each incorporating an AP1000® reactor and turbine building (AP1000® is a trademark of Westinghouse Electric Company LLC. All rights reserved). There will be support buildings, a substation and a Circulating Water System (including a forebay) using water from the Irish Sea.

Earthworks will be required to accommodate temporary laydown areas and bunds (to be re-profiled post-construction) for screening, noise reduction and landscaping. Elsewhere on the identified development site there will be replacement habitats, environmental offsetting, common land replacement, flood plain compensation (if required) and Public Rights of Way ("PROW") diversions and other amenity diversions.

To facilitate construction, there will be a Marine Off-Loading Facility, a bridge across the River Ehen floodplain and Heavy Haul Road, and new rail spurs and facilities.

There will be an access road for Moorside and a new Sellafield access road, internal roads with limited car parking and vehicle storage with service areas for use during outages.

Throughout the Moorside Site will be surface water and sewer drainage. Development of fresh water groundwater extraction facilities is being considered by NuGen for its Freshwater Water Supply, with NuGen currently in discussions with utility providers.

More information...

- See Section 5 of the Proposed Scheme document.
- Chapter 2 of the Preliminary Environmental Information Report.

Have Your Say

From 14th May to 30th July 2016, you will be able to submit comments in a number of ways.

The best way is to fill out and return the Feedback Form, by post or online. The form contains various questions relating to the Proposed Scheme Document and on which NuGen would welcome your views. There is also space on the form for the inclusion of more general comments. You can also:

-  attend a public exhibition event (occurring throughout Cumbria);
-  visit www.nugenconsultation.com;
-  write to FREEPOST – MOORSIDE HAVE YOUR SAY;
-  call freephone 0800 157 7352; and
-  email haveyoursay@nugeneration.com.



Accommodation Sites

Of the estimated 6,500 jobs at peak construction, NuGen may need to provide temporary bed spaces for around 4,000 workers, with the remainder being from the local workforce and existing accommodation, and has identified three sites that together could provide all the required number of bed spaces.

In the event that NuGen needs to provide more than 4,000 bed spaces, or if any of the three sites are not able to provide the proposed number of bed spaces, then the number of bed spaces could be increased as indicated.

- **Mirehouse Site** could provide construction worker accommodation and facilities linked to rail connections, for an estimated 2,500 workers (with reserve capacity to increase the number of bed spaces by 1,000 to an estimated 3,500 workers).
- **Corkickle Site** could provide construction worker accommodation and facilities, linked to rail connections, for an estimated 1,000 workers (with reserve capacity to increase the number of bed spaces by 500 to an estimated 1,500).
- **Egremont Site** could provide construction worker accommodation and facilities for an estimated 500 workers (with reserve capacity to increase the number of bed spaces by 500 to an estimated 1,000).

NuGen is considering the need for a proportion of the accommodation and their associated buildings at any of the Mirehouse Site, Corkickle Site and Egremont Site to remain as permanent structures for when the Moorside Power Station is operational. NuGen is also examining how buildings required for temporary bed spaces could have a potential future legacy benefit for local communities, and this is discussed in the Benefits and Legacy section on page 10 and 11.



Mirehouse Site - illustrative



Corkickle Site - illustrative



Egremont Site - illustrative

More information...

- See Section 5 and 16 of the Proposed Scheme document.
- Illustrative masterplans for Mirehouse, Corkickle and Egremont sites at Plans 13, 16 and 19 respectively in the Book of Plans and Drawings.
- Chapter 2 of the Preliminary Environmental Information Report.



Transport

NuGen's transport strategy is sea and rail-focused. The Marine Off-Loading Facility will provide NuGen with the ability to transport materials to the Moorside Site via sea. For rail, NuGen proposes new infrastructure.

Railway

- St. Bees Railway - extension to the existing St Bees Loop further south by approximately 285m in length. This extended loop is required to ensure that one NuGen charter train is able to stop within the extended loop, whilst another NuGen charter train or scheduled train passes through St Bees.
- Corkickle to Mirehouse Railway - a new 'loop' comprising of a new section of rail track laid alongside the existing track between Corkickle and Mirehouse. The new track would be approximately 3.2km in length, with dedicated Moorside worker rail platforms at Corkickle and Mirehouse and proposed public platform at Mirehouse.

Road

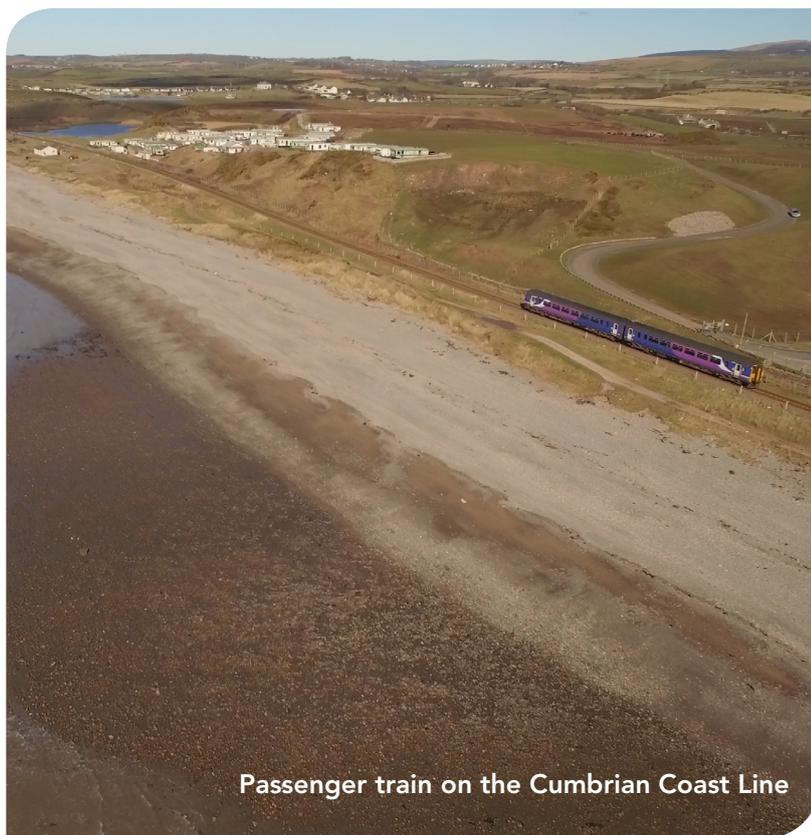
Whilst NuGen's transport strategy is sea and rail-focused, the Moorside Project will have an effect on the road network. NuGen intends to manage this as far as possible to utilise off-peak capacity, but has, at this time, identified the potential for road improvements at the following locations.

Port of Workington

There is the potential for NuGen to utilise the Port of Workington for Sea / Rail / Road logistics facilities, for storage, consolidation and sequencing of deliveries, and with the option for development of additional port side facilities, if required. This remains under consideration with NuGen in discussions with the Port of Workington.

More information...

- See Section 5 & 17 of the Proposed Scheme document.
- Chapter 2 of the Preliminary Environmental Information Report.



Passenger train on the Cumbrian Coast Line

© Image courtesy of Adamedia Ltd



Workington Port

	Location	Details
1	A595 / A66 Roundabout, Cockermouth	Provision of additional capacity at the roundabout to accommodate additional movements. This could take the form of localised widening and / or part time signalisation.
2	A66 Ramsay Brow, Workington	Widening of the A66 approach at the junction to enable longer length vehicles such as HGVs to turn right towards the Port of Workington.
3	A596 Hall Brow, Workington	Localised widening of the carriageway to provide on-street parking for residents of the properties along this section of the road and to enable two way flows past the parked vehicles.
4	A595 Parton Junctions	Provision of right turn pockets to enable movements into the local access roads from the A595.
5a	Coach Road / Station Road	Change in priority at the eastern end with Coach Road being the main route and Station Road a side arm.
5b	Coach Road / B5345	Junction will be widened to provide two approach lanes to separate vehicles turning left and right.
6	A595 / A5094 Inkerman Terrace / B5295 Ribton Moorside, Whitehaven	Provision of additional capacity at the junction and two southbound lanes on the A595 to remove the need for vehicles to switch lanes in-between the signals.
7	A595 Homewood Road Roundabout, Whitehaven	Provision of additional capacity at the junction, with all movements to be supported.
8	A595 / High House Road / Moor Row	Provision of a right turn pocket to support movements to Moor Row.
9	A595 / The Crescent, Thornhill	Provision of a right turn pocket to support movements to Thornhill. This junction may benefit from becoming signalised.

Highways, Public Rights of Way and Amenity Routes

Many of the Moorside Project Sites contain public highways, footpaths for walking and cycleways for walking and cycling. NuGen's DCO will include powers for the stopping up (closure) and diversion of highways, public rights of way and amenity routes, on both a temporary and a permanent basis, where it is considered that such works are necessary, and include:

- Station Road, Whitehaven (closure and realignment at northern end near to Coach Road);
- Ellison Place, Whitehaven (potential closure of southern end onto Coach Road);
- C4047 (Sellafield Road), Beckermeth (partial closure to public traffic during construction of Moorside Site);
- A595 Blackbeck to Calder Bridge (de-trunking of this section to provide access only to residential properties); and
- Nursery Road (partial closure with potential alternative routes).

Rights of Way and amenity routes likely to be affected during construction and/or operation include:

- Moorside Site: England Coast Path National Trail; Sustrans Route 72; and existing footpaths;
- Mirehouse Site: Sustrans Route 71/72; and existing footpaths; and
- Egremont Site: Sustrans Route 71/72.

More information...

- Highways - Section 7 of the Proposed Scheme document, and Plans 9, 30, 31, 43 and 44.
- Rights of Way - Section 6 of the Proposed Scheme document, and Plans 37-42.



Benefits and Legacy

NuGen's objective is that the Moorside Project should deliver significant benefits from both construction and operational phases, and building on this opportunity as far as possible to secure stronger more prosperous economies and communities in the long term.

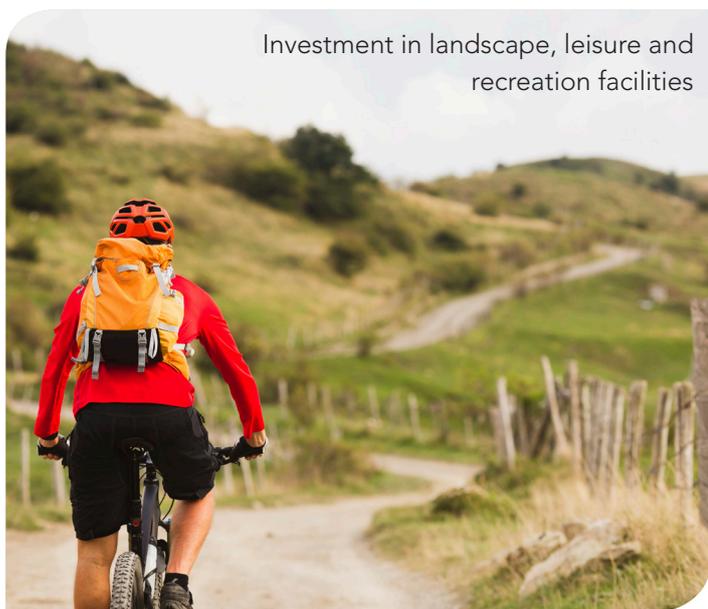
Learning from past experience in Cumbria, as well as from experience elsewhere, it is important to plan for sustainable benefits and opportunities for the life of the project, not just during construction.

NuGen's preliminary work suggests that there will be a range of socio-economic effects from the development including the major beneficial impacts of improved economic circumstances as a result of additional jobs provided, and increased expenditure in local communities and with the local supply chain.

As part of the mitigation measures for the project, NuGen envisages investment in health services, education, skills and training, improvements to open spaces and recreation areas, and improved transport links – both road and rail. NuGen is carrying out a full assessment of socio-economic effects and a Health Impact Assessment for the Moorside Project, which will be submitted as part of the DCO application.

NuGen also intends, as far as possible and applicable to the Moorside Project, to coordinate proposals and potential benefits, working jointly with Cumbria County Council, Cumbria Local Economic Partnership, Copeland Council, Allerdale Council and the Centre of Nuclear Excellence.

Investment in landscape, leisure and recreation facilities



In addition to the Moorside Power Station and the Moorside Project Railway, NuGen is able to apply for consent for associated development. This development must have a direct relationship with the Moorside Power Station and/or the Moorside Project Railway and either support their construction or operation, or help address their impacts.

These parameters restrict the type of development that NuGen can apply for in its application for a DCO, meaning that any retention and re-use of buildings following their use in the Moorside Project would need to be consented through a planning application to the local planning authority under the Town and Country Planning Act 1990.

NuGen will work with the relevant local planning authorities about potential legacy uses for such buildings with the aim that either NuGen, or NuGen through a third party, will submit planning applications at the appropriate time for the retention and re-use of buildings to ensure a lasting legacy.

Specific proposals are being developed for the local communities immediately adjacent to the Moorside Site and Accommodation Sites, including Beckermest and Braystones, Mirehouse, Corkickle and Egremont.

NuGen is considering the following benefits that could be provided as part of the Moorside Project.

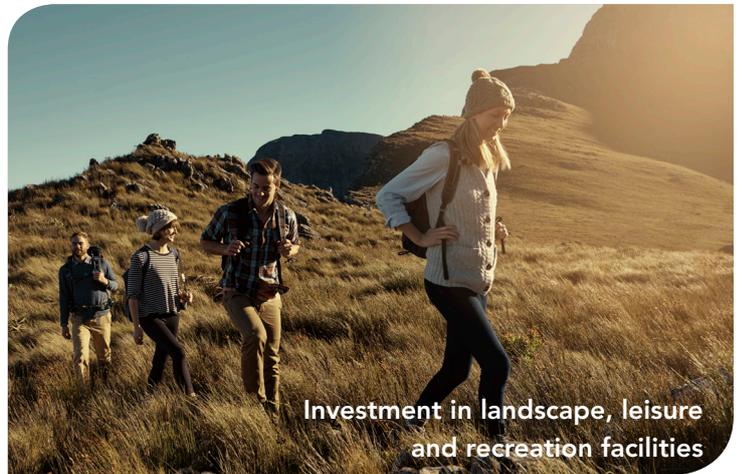
- **Employment:** identifying specific opportunities at the Accommodation Sites and the Moorside Site, with NuGen publicising opportunities clearly and accessibly.
- **Local economy:** support to local services to benefit from increased expenditure.
- **Skills and training:** advanced notification of job specifications and training requirements, and assistance with training programmes.
- **Supply chain:** support to existing and future business in the local communities to be aware of and prepared for opportunities to supply services to NuGen.
- **Transport:** a new public railway station at Mirehouse, increased platform capacity at Corkickle, potential (subject to agreement with the rail providers) for increased public services at Corkickle and Mirehouse, shuttle bus connections.
- **Landscaping and environment:** environmental mitigation, including landscaping for noise reduction



Contemporary design of indoor and outdoor facilities

and visual amenity; investment in landscape and townscape enhancements to improve the visual appearance of the areas and improve quality of life.

- **Healthcare:** investing in local healthcare facilities for dual use with Moorside workforce and investment in wider emergency services provision.
- **Leisure and recreation:** investing in local facilities for dual use with Moorside workforce, including sports pitches and leisure facilities.
- **Community cohesion:** financial support for community cohesion, including local town and parish Council and community groups; and community liaison officers.
- **Buildings and infrastructure:** design the buildings and infrastructure as far as possible to be capable of permanent retention; avoid the use of portacabins or caravans; develop a legacy uses strategy for the long term use of buildings and infrastructure.



Investment in landscape, leisure and recreation facilities



Investing in local healthcare facilities

Benefits for Communities near Moorside

NuGen will promote investment and benefits in the main towns and local service centres close to Moorside Project Sites - Whitehaven, Workington, Millom, Egremont, and Cleator Moor. NuGen will focus on: job opportunities; improved rail facilities; cycle and walking connectivity to the stations; supporting supply chain opportunities for existing and new relocating businesses; skills and training opportunities (including schools and colleges at Westlakes and Energus); encouraging retail and hospitality expenditure; leisure and recreation facilities and hospital and emergency services provision.

More information...

- See Section 13 of the Proposed Scheme document.
- Preliminary Environmental Information Report.

Land and Property



NuGen is working hard to ensure everyone who neighbours or owns land or property likely to be affected by the Moorside Project has been identified and contacted. NuGen will conduct negotiations with every landowner whose land or rights over their land may need to be acquired and we will seek to reach agreeable terms where acquisition is necessary. Before submitting the Moorside Project for consent, NuGen will further refine its plans to wherever possible reduce impacts on property and land. Anyone who owns or has an interest in land that potentially falls within the boundary of any of the Moorside Project Sites will have already been engaged by NuGen.

NuGen will make every effort to discuss the need for acquisition of land and / or rights (including the imposition of covenants) with owners and reach agreement on terms. However, it is normal for NSIPs to benefit from powers of compulsory acquisition. It is therefore likely that NuGen will need to include in its DCO application a request for compulsory acquisition powers over all or part of the Moorside Project Sites, because it needs to ensure the DCO includes all the powers needed to build and operate the Moorside Project.

For neighbours of Moorside Project Sites, NuGen will make best endeavours to eliminate, minimise and mitigate potential adverse impacts of its development. For those closest to the NPS designated area where development has been allocated, at the Moorside Site, NuGen is considering providing a voluntary Property

Support Scheme and a voluntary Local Mitigation Scheme to which people can apply if an effect on their property can be demonstrated (e.g. by nuisance or reduction in value). The schemes are available in this consultation in the Technical Volumes, for review by anyone whose property neighbours the proposed Moorside Power Station.

In summary, NuGen's approach to properties can be summarised as follows:

- NuGen will aim to minimise the number of properties NuGen may want to acquire interests from, or potentially subject to compulsory acquisition;
- NuGen will aim to provide mitigation designed into the Moorside Project to control impacts on properties e.g. noise bunds / screening; and
- for defined properties within and close to the Moorside Site and proposed Moorside Power Station, there will be a voluntary Property Support Scheme to address loss in value, and a voluntary Local Mitigation Scheme e.g. installing double glazing.

More information...

- See Draft Property Support Scheme and the Draft Local Mitigation Scheme in the Technical Folder of the Stage Two Consultation Documents.
- See Section 21 of the Proposed Scheme Document.
- Preliminary Environmental Information Report.

Common Land

Common Land exists on the Moorside Site close to and along the coast and near the River Ehen. The Moorside Development will mean that some of this Common Land will need to be replaced. Replacement Common Land is proposed to be provided in a similar coastal location near the River Ehen (also within the Moorside Site) but to the north of the current area of Common Land.

More information...

- See Section 8 in Proposed Scheme document.

