



# Copeland's Nuclear Road Map: An Update



**As I head towards Glasgow for COP26, I am immensely delighted to welcome the announcement that Rolls Royce SMR has secured the funding to develop small nuclear reactors – and I will continue to make the case for Copeland to be the location of this new development.**

Rolls Royce SMR is investing £195 million of private funding across three years in the project, with a further £210 million coming from the Government, as announced by Business and Energy Secretary Kwasi Kwarteng. Ever since I was elected in 2017, I have campaigned strongly to have SMRs located in Copeland, and following today's significant announcement, I will continue to take the case forward with colleagues in Government, industry and the local authorities.

I have been a consistent champion of SMRs and in August, on the 65th anniversary of the day that Calder Hall – the world's first nuclear power plant – was connected to the grid, I chaired a meeting of key personnel in Whitehaven at which the joint vision and justification for hosting SMRs in Copeland was outlined to officials from the Department for Business, Energy and Industrial Strategy (BEIS).

Further details can be found [here](#).

Continuing the good news, in this issue you'll also find the latest surrounding the announcement that the Moorside site has been shortlisted as a potential host of the UK's first prototype nuclear fusion power plant.

Spherical Tokamak Energy Programme is an ambitious programme and is one of many developments that I want to secure for Copeland, and the shortlisting announcement is very encouraging.

In September it was my privilege to meet so many talented and enthusiastic young people from Copeland who visited Westminster for the first Nuclear Week in Parliament. The Nuclear Skills and Apprenticeship Fair was one of the highlights of the week in which apprentices and graduates – including a very sizeable contingent from Copeland – showcased the range of careers and opportunities available in the industry.

Further to showcasing exciting opportunities and innovations, Nuclear Week in Parliament and, of course, COP26 is about reminding everyone that we need nuclear – the most sustainable and efficient clean-energy we have – to achieve our net-zero ambitions.

I hope you find this update helpful and please do get in touch with me at [Trudy.harrison.mp@parliament.uk](mailto:Trudy.harrison.mp@parliament.uk) if you would like to join Copeland's nuclear support group.

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# ‘West Cumbria is ideal site for Rolls-Royce’s new nuclear reactors



**Trudy has welcomed the news that Rolls-Royce SMR has secured funding to develop small nuclear reactors – and said she will continue to lobby for Copeland to be the location of the new development.**

Rolls-Royce SMR announced today that it will invest £195 million of private funding across three years in the project, with a further £210 million pledged from the Government, as announced by Business Secretary Kwasi Kwarteng in support of the “largest engineering collaboration the UK has ever seen”.

Trudy said: “SMRs will deliver clean, low-carbon, affordable energy and will play a significant role in our net zero ambitions. Ever since I was elected in 2017, I have campaigned strongly to have SMRs located in Copeland, and following today’s significant announcement, I will continue to take the case forward with colleagues in Government, industry and the local authorities.

“Our community knows more about nuclear power than anywhere else in Europe, and we have a deep talent pool with a track record of safety and deliverability, and Copeland should be at the forefront of this new and exciting development.”

Rolls-Royce said: “The funding will enable the business to secure grant funding of £210 million from UK Research and Innovation funding, first announced by the Prime Minister in The Ten Point Plan for a Green Industrial Revolution.

“Today’s announcement is another step towards the delivery of the Government’s net zero strategy and its Ten Point Plan.”

It said nine-tenths of an individual Rolls-Royce SMR power plant will be built or assembled in factory conditions and around 80 per cent could be delivered by a UK supply chain, with much of the venture’s investment is expected to be focused in the North.

The company added that a single Rolls-Royce SMR power station would occupy the footprint of two football pitches and power around a million homes.

Warren East, Rolls-Royce CEO, added: “The business could create up to 40,000 jobs, through UK deployment and export enabled growth. As a major shareholder in Rolls-Royce SMR, we will continue to support its path to successful deployment.”

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# New finance model to cut cost of new nuclear power stations



**A new funding model to attract a wider range of private investment into new nuclear power projects, cutting the cost of financing them and reducing the cost to consumers, has been set out by the Business Secretary Kwasi Kwarteng.**

The Nuclear Energy (Financing) Bill will use a model known as the Regulated Asset Base (RAB) to fund future nuclear power stations in Britain – a tried and tested method that successfully financed other infrastructure projects, such as the Thames Tideway Tunnel and Heathrow Terminal 5.

The RAB model will reduce the UK's reliance on overseas developers for financing new nuclear projects by substantially increasing the pool of private investors to include British pension funds, insurers and other institutional investors.

Under the existing mechanism to support new nuclear projects – the Contracts for Difference (CfD) scheme – developers have to finance the construction of a nuclear project and only begin receiving revenue when the station starts generating electricity. This led to the cancellation of recent potential projects, such as Hitachi's project at Wylfa Newydd in Wales and Toshiba's at Moorside in Cumbria.

Under the new RAB model, consumers will contribute to the cost of new nuclear power projects during the construction phase – but overall consumers are expected to save more than £30 billion over the project's lifetime on each new large-scale nuclear power station compared with existing funding mechanisms.

Initial contributions will give private investors greater certainty through a lower and more reliable rate of return in the early stages of a project, lowering the cost of financing it, and ultimately helping reduce consumer electricity bills.

Along with other government policies, including those set out in the Net Zero Strategy, such as on energy efficiency, average household energy bills in 2024 will still be lower than if no action was taken to reduce emissions.

Business and Energy Secretary Kwasi Kwarteng, said: "In light of rising global gas prices, we need to ensure Britain's electricity grid of the future is bolstered by reliable and affordable nuclear power that's generated in this country.

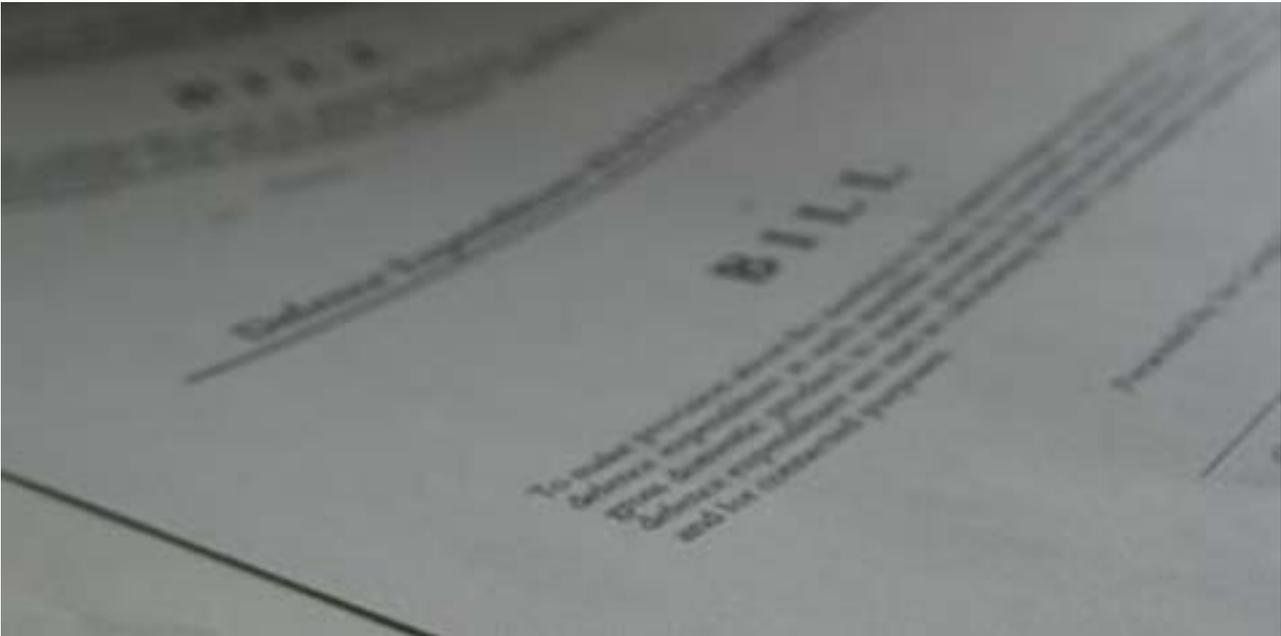
"The existing financing scheme led to too many overseas nuclear developers walking away from projects, setting Britain back years. We urgently need a new approach to attract British funds and other private investors to back new large-scale nuclear power stations in the UK.

"Our new model is a win-win for nuclear in our country. Not only will we be able to encourage a greater diversity of private investment, but this will ultimately lower the cost of financing new nuclear power and reduce the costs to consumers and businesses."

**The full article can be found [here](#).**

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# Trudy outlines support for Nuclear Energy (Financing) Bill



## Writing to Energy Minister, Greg Hands, Trudy reiterated her support for investment in new nuclear.

"In a letter, Trudy wrote: "While my ministerial role prohibits me from speaking in the chamber on this debate, I wanted to write to you to communicate my full support for this bill, and for new nuclear to help us reach net-zero.

"Ensuring we reach net-zero by 2050 is the greatest challenge we face as a country today. The urgency with which we need to act has been evident from the events at COP 26 this week.

To reach net-zero, we will require ten times more clean energy than we have today.

"Nuclear is uniquely placed to deliver this as our only source of reliable low-carbon power. When the sun isn't shining and the wind isn't blowing, we still need low-carbon power, which only nuclear can deliver.

"At present, we face a situation where most of our nuclear fleet are retiring. As I am sure you are already aware, fleet retirement without replacement would result in 200 million tonnes of extra carbon emissions by 2035.

"That is why it is so crucial from an emissions perspective that we in Britain oversee a programme of new nuclear, large and small.

"The biggest hurdle to new large-scale reactors in recent years has been concern over financing. Both the Moorside site in my constituency and the Wylfa site in Anglesey have seen investors pull out of projects for this reason. That is why I wholeheartedly support this bill, which will facilitate investment in new nuclear using the Regulated Asset Base (RAB) model.

"The RAB model is tried and tested and will bring down the costs of capital cost while protecting consumers and taxpayers by attracting new private investment.

"As well as large-scale, small modular reactors are an exciting emerging nuclear technology which can provide low-carbon power. I will continue to work with fellow ministers, colleagues and industry to enable new reactors, large and small, in my Copeland constituency and all the manufacturing and export opportunities that will bring.

**You can view the debate by clicking [here](#).**

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# UK's path to net zero set out in landmark strategy



**A landmark Net Zero Strategy setting out how the UK will secure 440,000 well-paid jobs and unlock £90 billion in investment in 2030 on its path to ending its contribution to climate change by 2050 has been unveiled by the UK Government this month.**

Building on the Prime Minister's Ten Point Plan, the UK Net Zero Strategy sets out a comprehensive economy-wide plan for how British businesses and consumers will be supported in making the transition to clean energy and green technology – lowering Britain's reliance on fossil fuels by investing in sustainable clean energy in the UK, reducing the risk of high and volatile prices in the future, and strengthening our energy security.

The commitments made will unlock up to £90 billion of private investment by 2030, and support 440,000 well-paid jobs in green industries in 2030.

This will provide certainty to businesses to support the UK in gaining a competitive edge in the latest low carbon technologies – from heat pumps to electric vehicles – and in developing thriving green industries in our industrial heartlands – from carbon capture to hydrogen, backed by new funding.

Prime Minister, Boris Johnson said: "The UK's path to ending our contribution to climate change will be paved with well-paid jobs, billions in investment and thriving green industries – powering our green industrial revolution across the country.

"By moving first and taking bold action, we will build a defining competitive edge in electric vehicles, offshore wind, carbon capture technology and more, whilst supporting people and businesses along the way."

As part of the fund, £120 million towards the development of nuclear projects through the Future Nuclear Enabling Fund. There remain a number of optimal sites, including the Wylfa site in Anglesey. Funding like this could support our path to decarbonising the UK's electricity system fifteen years earlier from 2050 to 2035.

Both the Net Zero and Heat and Building Strategies build on the Prime Minister's Ten Point Plan in November 2020 which laid the foundations for a green industrial revolution, kick-starting billions of pounds of investment in new and green industries to help level up the country. To date, the UK has decarbonised faster than any other G7 country.

Published alongside these two strategies is HM Treasury's Net Zero Review, an analytical report which explores the key issues as the UK decarbonises. It helps to build a picture of where opportunities could arise and the factors to be taken into account when designing decarbonisation policy. While there are costs in reaching net zero, the cost of inaction is much higher.

**Further details can be found [here](#).**

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# Moorside site shortlisted as a potential host of the UK's first prototype nuclear fusion power plant



**Last month Trudy welcomed the announcement that the Moorside site has been shortlisted as a potential host of the UK's first prototype nuclear fusion power plant.**

The site on land next to Sellafield has been named as one of five locations nationally under consideration to locate the STEP (Spherical Tokamak for Energy Production) plant.

The design and construction of STEP – which will pave the way to commercial fusion and a virtually limitless supply of low-carbon energy - will be delivered through the UK Atomic Energy Authority (UKAEA), whose shortlist was announced on October 14th.

Communities across the UK were invited to make a submission of a suitable location for STEP earlier this year, and an original 15-site long list has been narrowed down to the final five. The NDA-owned land adjacent to Sellafield is the most logical site for a raft of new and advanced technology, says Trudy.

"As the Centre of Nuclear Excellence, there is nowhere else in Europe with the concentration of precision and specific skills in nuclear that we have here in Copeland.

"Copeland has been at the forefront of so many 'firsts' in the nuclear industry, and we are well placed to deliver another in the form of STEP."

The assessment process of the five shortlisted sites is expected to continue until summer 2022.

UKAEA will then make recommendations to the Secretary of State at the Department of Business, Energy and Industrial Strategy (BEIS), with a final decision anticipated around the end of 2022.

Once a site is selected, construction is due to start in 2024 and the plant is expected to hit peak operations by 2040.

**Further details can be found [here](#).**

# Spotlight on Copeland's nuclear apprentices in Parliament



**Trudy has praised the “talent and enthusiasm” of the borough’s nuclear apprentices and graduates.**

Trudy had the pleasure of meeting a range of apprentices and graduates at the Nuclear Skills and Apprenticeship Fair, held as part of Nuclear Week in Parliament.

She said: “The event was filled to the brim with the best of the nuclear industry - from science and technology to innovation and manufacturing - all of which is essential to achieving our net-zero ambitions.

“It was especially a pleasure to meet the sizeable Copeland contingent at the event from nuclear firms, the supply chain and unions, including Sellafield Ltd, the NDA, LLWR Ltd, Jacobs, Atkins, KBR, Doosan, Morgan Sindall, Unite, Prospect and more.”

Also at the Nuclear Skills and Apprenticeship Fair, Mrs Harrison had the opportunity to congratulate Katie Wightman – a Control Room Operator at Sellafield Ltd – for being named the National Skills Academy Nuclear (NASN) Apprentice of the Year.

The first Nuclear Week in Parliament was organised by the Nuclear Industry Association (NIA) and featured a host of events in Westminster to promote and support the industry.

The NIA published its annual Jobs Map which highlights the number of jobs nationally within the industry ([NIA UK | Jobs Map 2021 - NIA UK](#))

Speaking at the launch event on, Mrs Harrison said: “This week is about reminding everyone that ‘Net Zero Needs Nuclear’ and showcasing all the exciting opportunities and innovations that nuclear offers a net-zero Britain.

“Nuclear is the most powerful, the most sustainable and most efficient clean-energy technology we have, and is the only proven source of firm, low-carbon power available.

“The jobs the nuclear industry creates are the kind of skilled, long-term jobs we want our young people and our community to have, and I am looking forward to joining colleagues to showcase the opportunities and expertise within the industry throughout the rest of this week.”

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# Trudy officially opens £3m Civil Engineering Training Centre



## **A multi-million pound Civil Engineering Training Centre has officially opened at Lakes College.**

Guests including local employers, dignitaries and education and training leaders gathered as Copeland MP Trudy Harrison cut the ribbon to mark the opening of the £3m centre.

This was followed by a tour of the facility, then brunch served by Lakes College catering students.

Copeland MP Trudy Harrison said: "It is my pleasure to formally open the Civil Engineering Training Centre at Lakes College to train people for careers in civil engineering and construction, and we are proud to have it right on our doorstep.

"The centre will allow us to keep more talent in West Cumbria by giving them the specialist high-quality training and education they need, and also to attract people into the area to further their education and careers.

"I congratulate Lakes College and partners for their vision and determination in bringing this significant project to fruition, and I know it will be an asset to our area for decades to come."

The training centre, based on a 10-acre site on the Lillyhall college's campus, will offer a comprehensive, broad and deep range of training, education and skills in heavy construction, including apprenticeships and degree apprenticeships.

There is an indoor practical area with teaching spaces and outdoor areas for civils training and for heavy machinery and plant operations. It will provide training for a variety of trades, including scaffolders, steel fixers and plant operatives.

The Department for Education awarded £1.6 million for the project, along with £900,000 from Cumbria LEP's Growth Deal fund, and £550,000 of college funds.

**Full details can be found [here](#).**

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# Teaching a new dog nuclear tricks



**UKAEA's robotics team RACE was at Sellafield recently to advise and support on how canine-like robots could help the clean-up of Western Europe's largest nuclear site.**

Sellafield Ltd held a three-day trial of Spot, the agile mobile robot developed by Boston Dynamics, at the Calder Hall nuclear power station, which is now being decommissioned.

The building offers challenging terrain in a risk-managed environment, providing ideal conditions to test Spot's agility, scanning and radiation detection capabilities.

If successful, Spot could be deployed at locations across the Sellafield site to carry out routine tasks like inspections, mapping, data capture and characterisation. The four-legged robot is able to perform autonomous missions and can be controlled remotely via an operator, which significantly improves safety by allowing the robot to enter hazardous, contaminated areas in lieu of a person.

Spot is also expected to speed up inspection times, as robots do not require as much personal protective equipment, and help save money by ensuring more -

- frequent data collection and better predictive maintenance.

RACE – the Remote Applications in Challenging Environments centre at UKAEA's Culham site – owns two Spot devices and has been working on applications for them in industrial locations where it's difficult or unsafe to send humans. One of its Spots last year carried out a radiation mapping project at Chernobyl for the University of Bristol.

RACE's Guy Burroughes commented: "We've been using Spot for over a year in our work to develop robotics for challenging environments like nuclear facilities. We were delighted to bring this experience to support the trials at Sellafield and hope it can lead to safer, more efficient decommissioning."

The demonstration of the Spot unit was held in conjunction with Cumbria-based engineering consultant Createc and UKAEA. If the trial phase proves successful, Createc would be Boston's Dynamics' preferred UK partner for Spot operations at Sellafield and UKAEA would continue its role of providing expertise on robotics deployments in nuclear environments.

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# Copeland GDF Working Group proposes two Search Areas and Community Partnerships



**Copeland GDF Working Group has been working towards identifying Search Area(s) for further consideration in the search for suitable sites to host a Geological Disposal Facility (GDF).**

A GDF is an underground facility designed to safely and securely dispose of higher activity radioactive waste. A Search Area is the geographical area on land within which Radioactive Waste Management (RWM) would seek to identify potentially suitable sites.

The Working Group is proposing two Search Areas, each with its own Community Partnership. Search Areas have to be based on district electoral ward boundaries. The area within the Lake District National Park (LDNP) and proposed extension will continue to be excluded from consideration, even where these electoral ward boundaries may overlap with the park boundary.

Deep geology beyond the coast is also being considered for the siting of the underground elements of a GDF and the Working Group has recommended that RWM's initial focus is in this area.

This means a surface facility on the coast could provide access to a disposal area deep in the rock beyond the coast, where – based on existing data – the Working Group and RWM understands there may be geology worthy of further detailed investigation.

There are no plans to consider using existing or future coal mines for the geological disposal of radioactive waste, because they will not be suitable.

One Search Area includes the electoral wards of Gosforth & Seascale and Beckermest. The second Search Area includes the electoral wards of Millom and Black Combe & Scafell.

Mark Cullinan, Chair of the Copeland GDF Working Group, said: “Over the past 11 months we have talked with local people and looked at the data available. The Working Group feels confident that we have selected two Search Areas worthy of further consideration as an initial starting point going forward.

“We are still in the very early part of the GDF journey and it's up to the local authorities and RWM to now decide whether we progress further to forming Community Partnerships. We look forward to their decision in the coming weeks.”

Starting a conversation with local people has been a key activity since the Working Group was formed last November and the views received so far have been used to inform members, alongside other local information.

**The full article can be found [here](#).**

# NNL: Engaging the next generation



## **Engaging schools and supporting education in our communities has long been important to the National Nuclear Laboratory (NNL) as an organisation.**

Many NNL colleagues are passionate about the subject and spend considerable time working with partners and academia to increase awareness and understanding of nuclear technology.

As the UK hosts COP26, we all have an opportunity to expand this work and start conversations with more people outside the industry who are interested in building a new clear future for the UK and our planet.

And who better to talk to about this than the children in our lives? NNL have created a short video that aims to tell primary school children a little bit about energy production and how nuclear energy makes electricity.

Whether it's our own children, grandchildren, nieces, nephews, family friends or interactions with schools as volunteers, many of us are talking to children on a regular basis; some of whom are very curious about our jobs and work.

NNL are keen to help them understand our world and how nuclear can help the UK achieve its net zero targets.

It's all part of NNL's wider programme of work in the run up to COP26, to engage with a wide range of people globally, from other international scientists to our own colleagues, policymakers, politicians, the general public and younger generations on the role that nuclear science and NNL can play to help to reach COP26's goals.

NNL are fully committed to helping the UK reach its net zero goals, playing a critical role in decarbonising our entire energy system and supporting the summit.

The 3 minute video is available to watch [here](#).



# £10m extension to NNL-led Advanced Fuel Cycle Programme



**NNL – the UK’s national nuclear laboratory for fission – has agreed with the Department for Business, Energy and Industrial Strategy (BEIS) a £10m extension to the pioneering Advanced Fuel Cycle Programme (AFCP) – originally funded as part of BEIS’s £505m Energy Innovation Programme (EIP).**

AFCP is a flagship programme for NNL and sets out to equip the UK with the right skills, technology and networks to achieve carbon neutrality through the development of advanced fuels and recycle technology.

Much of the AFCP work has been delivered from NNL’s Central Laboratory on the Sellafield site.

The £10m programme extension will be funded as part of the BEIS £1bn Net Zero Innovation Portfolio and focus on advanced nuclear fuels for use in small and advanced modular reactors, which were recognised in the recent Energy White Paper as being key technologies to help reach the UK’s Net Zero commitment.

The £10m extension will deliver:

- *UK developed advanced coated cladded fuels ready for performance testing in a commercial light water reactor*
  - *Wider developments across other advanced fuels and underpinning fuel cycle*
- NNL very much welcome the continuation of funding for AFCP, building on the tremendous achievements which have been delivered by the original £46m programme to date.
- These impacts are focused around 8 key areas, including Innovation, Skills, Supply Chain, World Class Facilities and Pathways to Net Zero, and include:
- *Working with over 100 different UK organisations and more than 25 others from overseas, covering more than 10 countries*
  - *Leveraging over £130m of additional value through collaboration and partnership*
  - *International engagement, including influential involvement with organisations such as OECD NEA, Generation IV Forum and IAEA*
  - *Online technical meetings to share results and insight, which have collectively attracted well over 200 participants from industry, Government, academia and the supply chain*
  - *Over 60% of AFCP’s total investment in industry supports small and medium enterprises (SMEs)*
  - *The programme supports over 90 PhD students and postdoctoral researchers at 16 UK universities*
- *UK manufactured coated particle fuels for new high temperature advanced reactors for the first time*

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# Bechtel Cavendish Nuclear Solutions focus on social impact



**The Bechtel Cavendish Nuclear Solutions team have developed a Social Impact Plan as part of a commitment to leave a lasting legacy.**

The plan reflects our commitment to the Sellafield Ltd Manifesto, and the Sellafield Six (Social impact multiplied) Core Social Impact Objectives which aims to improve access to sustainable incomes, enable resilient economies, create social value chains, support thriving communities, collective impact, and will help to deliver significant long term positive benefits for employees and the community.

Since 2012, the Bechtel Cavendish Nuclear Solutions team have been safely delivering the Pile Fuel Cladding Silo project at the Sellafield Site. The BCNS project team initially selected two social impact principles to focus on, which were Upskilling and Equal Opportunities and Supporting a Thriving Community.

In the thriving community category the team have recently carried out three initiatives with the West Cumbria Rivers Trust and the National Trust. We removed invasive Himalayan Balsam around Longlands Lake, Cleator; and picked up litter and planted bulbs around the Haig coast area above Whitehaven.

**In the upskilling category we have carried out the following;**

## **The People's Conference**

The Peoples Conference at Whitehaven Golf Club is an annual conference with speakers and stalls on mental health and wellbeing. It is for the local community to attend for free.

## **Sponsorship and Partnership with Inclusion and Diversity in Nuclear**

Inclusion and Diversity in Nuclear are a not-for-profit initiative that aims to educate industry through useful, practical, and balanced information and support. Sponsorship has given us access to training and events to support project development in this area.

## **Cumbria Exchange (CEX)**

CEX is a skills sharing platform aimed at linking the charity sector and community groups to businesses who have the capacity to support their needs and work with them to solve problems. BCNS has been working with other social impact managers to improve the ability of the CEX platform (ease of use, marketing, and effectiveness).

## **Inspira NEET 16-18 Programme**

Inspira are a social enterprise specialising in career management and personal development for those who are not in employment, education, or training (NEET). We are working with Inspira to provide two, 5-week programmes for NEET individuals aged 16-18 to help grow some of their soft skills, inspire confidence in themselves, and help them get some experience of work.

# North West Nuclear Arc: Achieving More Together



**The North West Nuclear Arc (NWN) is a unique ecosystem, forming a cluster across North Wales and North West England.**

It incorporates all the facilities and capabilities across the whole of the nuclear lifecycle and is committed to enabling next generation nuclear technology to help meet our national net-zero ambition.

The importance of nuclear to the UK's clean energy future is more prominent than ever before, not least because of the UK's world leading position on decarbonisation set out in the Net Zero Strategy, and also because of the parliamentary leadership shown by our MPs for Copeland and Ynys Mon, aka the Atomic Kittens.

With a consortium consisting of stakeholders from academia, business, the public sector and NGOs, the NWN ambition is that by working together in collaboration we can provide a significant proportion of the UK's clean energy from nuclear.

Doing this we would enhance our collective position as the heartland of nuclear innovation and would create sustainable jobs in some of our most economically disadvantaged communities.

Recent announcements by Government on the UK Net Zero Strategy puts a shoulder behind nuclear and presents major opportunities right across our geography, today we have over half of the sites in the UK that could be utilised for nuclear power plants.

NWN is ready to work with partners and Government to make a significant contribution to net zero by 2035 and 2050.

"NWN welcomes the Net Zero Strategy - we look forward to playing our part as part of the mix in clean energy generation, hydrogen production, decarbonisation and more," said Dr Rebecca Weston, NWN co-chair.

# Copeland News In Brief

## Regulator highlights progress at Sellafield

**The Office for Nuclear Regulation (ONR) has highlighted safe and secure progress being made at Sellafield, with ongoing remediation of the highest hazard facilities on site, in ONR's Chief Nuclear Inspector annual report.**

In the report, ONR reference specific progress over the past year including:

- The first MSSS Silo Emptying Plant machine completing inactive commissioning and the installation of the second machine.
- Completion of the safety case and implementing changes to the operating regime at the Pile Fuel Cladding Silo (PFCS) in preparation for early waste removal.
- Continued safe progress with construction of the Sellafield Retreatment Plant (SRP) essential for long-term management of special nuclear material (SNM).

The report also states that in response to the pandemic, in March 2020 retrieval activities were put on hold and facilities placed into a quiescent state under close monitoring and surveillance, before hazard and risk-reduction programmes were safely restarted, while adhering to COVID-19 risk management measures.

Mark Neate, Sellafield Ltd's Environment, Safety and Security Director, said: "We welcome the publication of the ONR Chief Nuclear Inspector's Report. It is pleasing to see our regulator acknowledge the complexity of our mission and highlight our progress in accelerating hazard and risk reduction in our legacy facilities."

## Land mark anniversary for Cumbrian nuclear industry



**August marked the anniversary of a very significant day for Cumbria's nuclear industry.**

It marked the 65th anniversary of nuclear power being generated not just in the UK but around the world.

This milestone happened at Calder Hall in Cumbria on 27th August 1956. A couple of months later, in October 1956, it was officially opened by the Queen.

Trudy, said: "On this significant milestone for the industry, I remain committed to delivering new nuclear for the benefit of those not just across the north west, but across the country."

Cameron Gilmour, spokesperson for the Sizewell C Consortium – a collection of over 200 businesses and trade unions backing Sizewell C, said: "The Government has made levelling up a priority. New nuclear will substantiate this agenda and build on the progress made at Hinkley Point C.

"Supporting the creation of more jobs and apprenticeships in towns and communities across the country, establishing a skills legacy for the next generation."

## WELL prepared for the new term



### **A unique education project in West Cumbria has graduated to its second year.**

The Western Excellence in Learning and Leadership (WELL) Project is an ambitious programme of targeted investments and interventions to improve educational outcomes in the region, particularly for the most disadvantaged.

It launched in 2019 with £1.7 million of funding from Sellafield Ltd and the Nuclear Decommissioning Authority and was co-created with Cumbria County Council and local schools.

Gary McKeating, Sellafield Ltd's Head of Community and Development, said: "The WELL Project is a key strand of Sellafield Ltd's Social Impact Multiplied (SiX) programme, which has a central commitment to helping communities unlock a sustainable and prosperous future.

"WELL is already making significant progress in its work to help improve teaching, raise pupil achievement and enhance the health and wellbeing of students in our communities, and there is much more to come."

**Full details can be found [here](#).**

## Young Generation Network launches nuclear campaign webpage



**NetZeroNeedsNuclear.com is a new website launched by the Young Generation Network, the UK nuclear industry and the UK Government, represented by the Department for Business, Energy and Industrial Strategy.**

It sets out why the UK - and the world - needs to build more nuclear to fight climate change and save our planet. You can find the key facts and figures on what nuclear can do, where we have nuclear today, and crucially why nuclear is green.

Nuclear is the lowest carbon electricity source on Earth. It uses the least land of any clean energy source, and it has saved the UK more carbon than any other technology. It is reliable, flexible, and versatile, capable of producing clean power, clean heat, and clean hydrogen to cut the carbon from all parts of our economy.

NetZeroNeedsNuclear.com also features people from across the industry talking about the opportunities nuclear provides for our communities and the next generation.

The sector provides real hope to people of all ages right across the UK, and is crucial to building a prosperous green economy.

Visit today, and share it with your family, your friends, and anyone you know.

**Please visit the website [here](#).**

# Helpful Articles



***Mini nuclear reactors vie for key role in UK's push to hit climate targets***

Financial Times

***Cash for nuclear power and heat pumps in PM's plan to cut CO2***

The Times

***Land mark anniversary for Cumbrian nuclear industry***

News&Star

***UK poised to confirm funding for mini nuclear reactors for carbon-free energy***

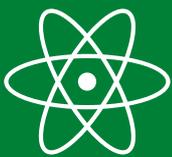
The Guardian

***Plans unveiled to decarbonise UK power system by 2035***

Gov.uk

***All UK's electricity will come from clean sources by 2035, says PM***

BBC News



## Key Nuclear Messages

- One large-scale station can power Cumbria 8 times over
- Nuclear has saved the UK six years' worth of emissions, 2.3 billion tonnes, far more emissions than any other source
- By 2030, we are losing stations that can power around 13 million homes
- The UK will need four times as much clean power, and 10 times as much clean energy, by 2050 to hit net zero
- Nuclear is the UK's only proven source of clean, always-on, emissions-free power, and the only source that can produce low-carbon power and low-carbon heat
- Nuclear is the most jobs-rich form of low-carbon energy: a large-scale project can sustain around 70,000 high-skilled, well-paid jobs

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# **Get In Touch With Me** **Trudy Harrison MP for Copeland**



A huge thank you to each of the fabulous companies and organisations that have contributed to this update.

If you would like to feature in future issues, please get in touch with me using the email below.



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