

Community Update

Our plans for new nuclear power at Oldbury

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Artist's impression of the new UTC

Horizon's support for Berkeley Green



Horizon has joined a growing number of regional companies in becoming a supporter of South Gloucestershire and Stroud College's Berkeley Green University Technical College (UTC).

The newly opened UTC, located on the site of the former nuclear power station at Berkeley, offers specialist vocational and academic education focusing on advanced manufacturing, engineering and digital technology.

The Horizon team has helped shape some of the engineering modules, linking the course content to future career paths in the nuclear sector. Now the college is open, Horizon will also get involved in student workshops and mentoring students to ensure that, on graduating, they are work-ready.

Ben Salisbury, Lead Nuclear Steam Supply System (NSSS) Engineer at Horizon, said: "We want to inspire the

engineers of the future in the regions in which our projects will be based. SGS Berkeley Green UTC will offer a new pathway into engineering for students of all abilities and we look forward to working with the college as our project at Oldbury progresses in the years ahead."

Andy Keenan, Assistant Principal at SGS Berkeley Green UTC, added: "Students starting at the UTC may well be the apprentices and graduates that Horizon will be employing in the future. Not only is Horizon investing in our future energy needs, it's also investing in the workforce that will be required to develop and manage it. We look forward to developing this exciting partnership."

Welcome

TO THE LATEST ISSUE OF OUR NEWSLETTER

There is a pressing need for new nuclear power, alongside renewables, to deliver low carbon, secure and affordable energy. Our projects at Wylfa Newydd and Oldbury-on-Severn will help meet the UK's climate change goals.

Horizon combines the best of UK and global strengths through proven technology and delivery capability, as well as excellent sites. Our reactor technology, the Hitachi-GE UK Advanced Boiling Water Reactor (UK ABWR), continues to advance through the Generic Design Assessment (GDA) process and we anticipate final acceptance of the design later this year.

At Wylfa, our lead site, we're continuing to build momentum. In March, we submitted our Site Licence Application (SLA), and we're now preparing to submit a Development Consent Order (DCO) – effectively the project's planning application. Oldbury very much continues to be part of our plans. The precise timetable will be shaped by our progress at Wylfa, with construction unlikely to start before the late 2020s when building work has finished on Anglesey.

We've had some questions recently about cooling towers which are needed at Oldbury. I can say our preferred choice remains the 'hybrid' cooling towers, which are the shorter of the two main options (see page 3).

We'll continue to keep local people up to date with our thinking as our work progresses in the years ahead at Oldbury.

Duncan Hawthorne
Chief Executive Officer



Property update

Recycling and renovations

Work to demolish The Windbound and landscape the site, including installing new fencing and reinstatement work to the embankment, was completed earlier this year.

The decision to remove the building, located close to the River Severn, was made because it posed a safety risk.

Following the demolition, Simone Case (pictured) has given The Windbound's former gate a new lease of life by installing it at her home in Shepperdine.

"I contacted Horizon when I heard about The Windbound, a place I have fond memories of visiting. I needed a new gate to keep the cows out and the dogs in and it's nice to know that I've been able to recycle both



Keeping the dogs in: former Windbound gate is given a new lease of life

the gate and the post that formerly stood outside the pub," said Simone.

The next phase of restoration work at two Grade II listed properties, Jobs Green Farm and Dairy Farm, which Horizon owns near Oldbury, is set to start later this year. Assessments at a third property, Shepperdine Farm, are also being carried out to inform its future

renovation – the timing of which will be subject to the outcome of protected species investigations and receiving all the necessary approvals. In the meantime, we have taken steps to secure all three properties and will maintain their grounds ahead of work getting underway. Once the renovations by specialist contractors are complete, we intend to rent all three properties out as homes.

Getting back to his roots: Tom inspires local pupils at STEM day

Tom Tremlett, Horizon's Graduate Trainee from Lydney, visited the Forest High School in nearby Cinderford to support a STEMworks event on low carbon energy.

Pupils from the school enjoyed making and racing wind-powered vehicles they designed at the sessions, delivered by education specialists STEMworks to inspire interest in Science, Technology, Engineering and Maths (STEM) subjects.

"Low carbon energy, including nuclear, will help to secure our electricity power needs and this is a great way to inspire students about future opportunities," said Tom, who specialises in environmental science. Horizon's continued support to schools



around Oldbury-on-Severn in STEM-related subjects forms part of our Futures education programme to enhance skills and create opportunities for young people in the surrounding communities in which it operates. Over the last academic year our tie-up with STEMworks has involved over 1,400 primary and secondary school pupils in South Gloucestershire, Monmouthshire, and Gloucestershire.



Visitors to our stand at the Oldbury Fun Run and Thornbury Carnival were able to experience first-hand STEMworks' engaging take on a traditional fete game. People of all ages took up the buzz wire challenge – after first putting together the electrical circuit which would make the wire buzz.

Claire Loveday, Horizon Communications Manager, said: "We've sponsored these two local events for some years and thought they would be ideal venues to showcase our STEMworks initiatives to the wider community – as well as allowing us to chat to local people about our future proposals for Oldbury."



Your questions answered:

Tim talks cooling towers

“Ever since we began considering options for Oldbury, the choice of cooling towers has been a key factor and we’re often asked about which type will be used for our project.

Our commitment to lower hybrid cooling towers remains unchanged – given the research that went into the decision and

how important we know it is to the local community. These are more in keeping with the height of the former power station adjacent to our site and are used at many other nuclear plants around the world.

We have always been clear that an indirect cooling system, with the need for cooling

towers, will be required at Oldbury. This is because modern reactors provide far more electricity, and more cooling water is needed to condense steam from the steam turbines than the estuary can provide through direct cooling. While the planning regime for Nationally Significant Infrastructure Projects (NSIPs) requires us to consider all options, we are certain that hybrid towers are the most appropriate choice, considering a balance of environmental, commercial and technical issues.

Hitachi-GE’s UK ABWR technology will form the basis of our Oldbury development in the years ahead though at this early stage, we have yet to carry out the studies that will determine the number and layout of hybrid cooling towers needed. We will continue to share our thinking as our work develops, ahead of the formal consultation with local communities which forms part of the planning process for NSIPs.”

Planning specialist, Tim Proudler, a familiar face to many of our stakeholders around Oldbury, supports Horizon on both our new build projects.

Example of a circular hybrid cooling tower (far right) at Neckarwestheim nuclear power station in Germany. Similar cooling towers could be used for the Oldbury site. Picture by Thomas Springer



News in brief

Personal bests

- Personal bests were secured by three of Horizon’s team in this year’s Oldbury Fun Run with all four runners securing finishing spots in the top half of the field of 488 runners. Congratulations to all who took part, raising more than £8,000 in aid of CLIC Sargent and local charities.

App and pack

- Horizon is inspiring young minds with the launch of its Electricity and You activity pack and app. Designed to engage and introduce primary school children to the science behind low carbon energy, the pack includes six activity sessions supporting STEM subjects. The free app for Apple and Android tablets will get children thinking about how they use electricity at home. For more information, visit the education section of our website at: www.horizonnuclearpower.com/education



Smiles all round from our team at this year’s Fun Run

Boost for causes

- Over £120,000 has been distributed to good causes and community groups near our Oldbury and Wylfa Newydd sites in the last year via our charitable support scheme. Award applications are considered on how they fit with our charity and community themes. More information is available on our website at:

www.horizonnuclearpower.com/about/community-support

Follow us

- We’ve introduced new ways to keep up-to-date with our latest news and project developments – follow us on
 - @HorizonNuclear
 - HorizonNuclear
 - Horizon Nuclear Power

Archaeology

Local project brings ancient village's past to life

Two years of support to A Forgotten Landscape's community heritage project has culminated in an archaeological dig at the Toot in Oldbury, resulting in some interesting finds.

Horizon first teamed up with A Forgotten Landscape to help it train volunteers ahead of initial investigations into the Toot – an enclosure at the heart of the village that is believed to be an Iron Age hillfort.

We continued to support the project as it extended its community-related activity, including a two-week long dig in Oldbury this summer. Led by A Forgotten Landscape



and archaeologists Dig Ventures, more than 60 volunteers from the local and

wider communities took part in excavating trenches and unearthing items including iron nails, pottery fragments and animal bones. "We've made some remarkable discoveries that will help shed some light on the history of the hillfort, of which very little was known," said Rebecca Bennett, Project Manager at A Forgotten Landscape. "A huge thank you to Horizon for its support of the project – and for the celebratory barbeque to mark the end of the dig."

Claire Loveday, Horizon's Communications Manager, added: "We're really proud to have been part of this exciting community initiative, which has enabled further archaeological excavations to take place and will go some way towards explaining and conserving Oldbury's heritage."

Building a brighter community

Horizon's charitable donations scheme has supported St Helen's school in Alveston in the development of its new Multi Use Games Area (MUGA).

Head of Property, Simon Kingsley (pictured), presented a cheque for £1,000 to Head, Andy Spens, and year six pupils towards the facility, to help mark the school's 50th year on its present site.



How to get in touch

PLEASE CONTACT US

If you have any queries or comments you would like to raise with us:



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Your personal details will be processed and stored by Horizon Nuclear Power and its agents in accordance with the Data Protection Act 1998 to keep you updated with any information related to the proposed new nuclear power station at Oldbury.

This newsletter is delivered by hand to around 16,000 homes on both sides of the Severn. Copies are also distributed to One Stop Shops and libraries throughout South Gloucestershire, the Forest of Dean and Stroud District Council.



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