

HORIZON

NUCLEAR POWER

A UK company of E.ON and RWE

Horizon Nuclear Power Update

Wylfa Project Liaison Group, 15 November 2012

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Horizon Nuclear Power

- Developer and future operator of planned nuclear power stations
- Sites at Wylfa and Oldbury-on-Severn; target to develop between 5,200 MW and 7,800 MW of new generation
- Around 100 skilled staff, mature processes and strong regulatory relationships
- 3+ years of data and learnings from site and organisational development.



Need for nuclear remains unchanged

- UK needs 60GW of new capacity by 2025. Pressing challenge to meet capacity needs, solutions must be low-carbon and sustainable
- ***“This is a decades-long, multi-billion pound vote of confidence in the UK, that will contribute vital new infrastructure to power our economy***
- ***It will support up to 12,000 jobs during construction and thousands more permanent highly skilled roles once the new power plants are operational, as well as stimulating exciting new industrial investments in the UK’s nuclear supply chain***
- ***I warmly welcome Hitachi as a major new player in the UK energy sector.”***

Prime Minister David Cameron, 30 October 2012

Transfer to new ownership

- Horizon formed in January 2009 as a joint venture between E.ON UK and RWE npower
- March 29th 2012, E.ON and RWE announced an intention to withdraw from UK nuclear programme, Horizon put up for sale
- October 30th 2012, Hitachi announce agreement to purchase Horizon as a going concern
- Sale expected to complete by the end of November 2012.

Pictures: Images from the two press conferences, in London and at Coleg Menai, held to announce Horizon's sale to Hitachi.



Structure and future approach

- Horizon remains the developer, and later the operator of new plants at Wylfa and Oldbury
- Horizon is responsible for securing a site licence and development consent for Wylfa and Oldbury
- Hitachi is the shareholder and technology-provider, and will form a 'delivery team' for the construction phase
- Hitachi have signed MoU's with Rolls Royce and Babcock International Group
- We will share route-to-market information with the supply chain as we develop our commercial structures
- Further detail will be available following completion of the sale process, and a period of review and planning.



Pictures: Site development work including ground and ecological studies underway at Wylfa

Approach to site development

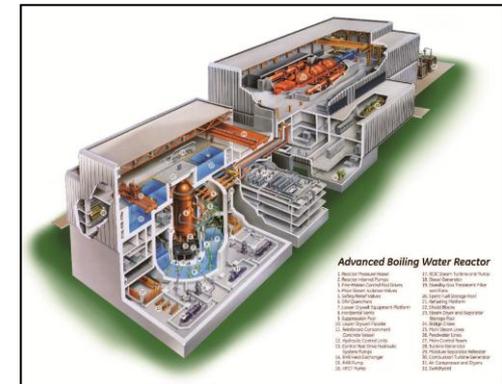
- We will work with Hitachi to assess the options for our site development strategy and bring forward a detailed programme in the near future
- We propose to develop either two or three reactors at each site
- We believe that we can have our first unit operating in the first half of the 2020's
- We will continue to liaise closely with stakeholders at both sites, through our full range of community engagement activities.



Pictures: Existing Magnox stations at Wylfa (Top) and Oldbury (Bottom), adjacent to our sites

Technology approach

- The Hitachi Advanced Boiling Water Reactor (ABWR) will be used at both Wylfa and Oldbury
- This is the only advanced (generation 3+) reactor that is operational anywhere in the world
- All 4 operational ABWR units have been completed to time and cost, with unit 6 at Kashiwazaki-Kariwa in West Japan completed in just 37 months
- The ABWR is licensed in Japan, Taiwan and the USA
- Hitachi will submit the ABWR for Generic Design Assessment approval. Early development and consenting activities will run in parallel.



Pictures: The ABWR construction site at Lungmen, in Taiwan (top) and a station diagram

Local work goes on (1)

- Continued onshore ecological surveying at site including lower plant, internal bat, wintering bird and fungal surveys within our site and the vicinity
- Continued marine and offshore surveys including marine quality and plankton monitoring, marine birds and intertidal birds surveying
- Work underway to remove an empty, boarded up house - as well as several outbuildings, abandoned caravans and barns which have become unsafe - on our site. Four-week project to mid December
- Continuing to carry out improvement works to habitable properties on our site to ensure they meet the needs of current and future tenants, including change of status at Torman Cottage.




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Local work goes on (2)

- Health & Safety related signage to be installed near to the existing station outfall warning of steep cliffs and strong currents
- Grid connection remains in place. National Grid's work to strengthen existing transmission network continues, along with its ongoing public consultation events across the island and North Wales
- Continued local community engagement. Horizon team supported Low Carbon Careers Opportunities event at Bangor University for students in years 9 -12
- Next Open Surgeries 1pm – 7pm on Monday 19 November and Monday 17 December at Cemaes Village Hall.



www.horizonnuclearpower.com