

Abergelli Power Limited (APL) proposes to develop a gas-fired power plant with a rated electrical output of up to 299 MW on land adjacent to the Felindre Gas Compressor Station at Abergelli Farm, Felindre. Using modern and efficient electricity power generation technology, the plant will support the country's transition to a low-carbon economy.

This exhibition provides information on:

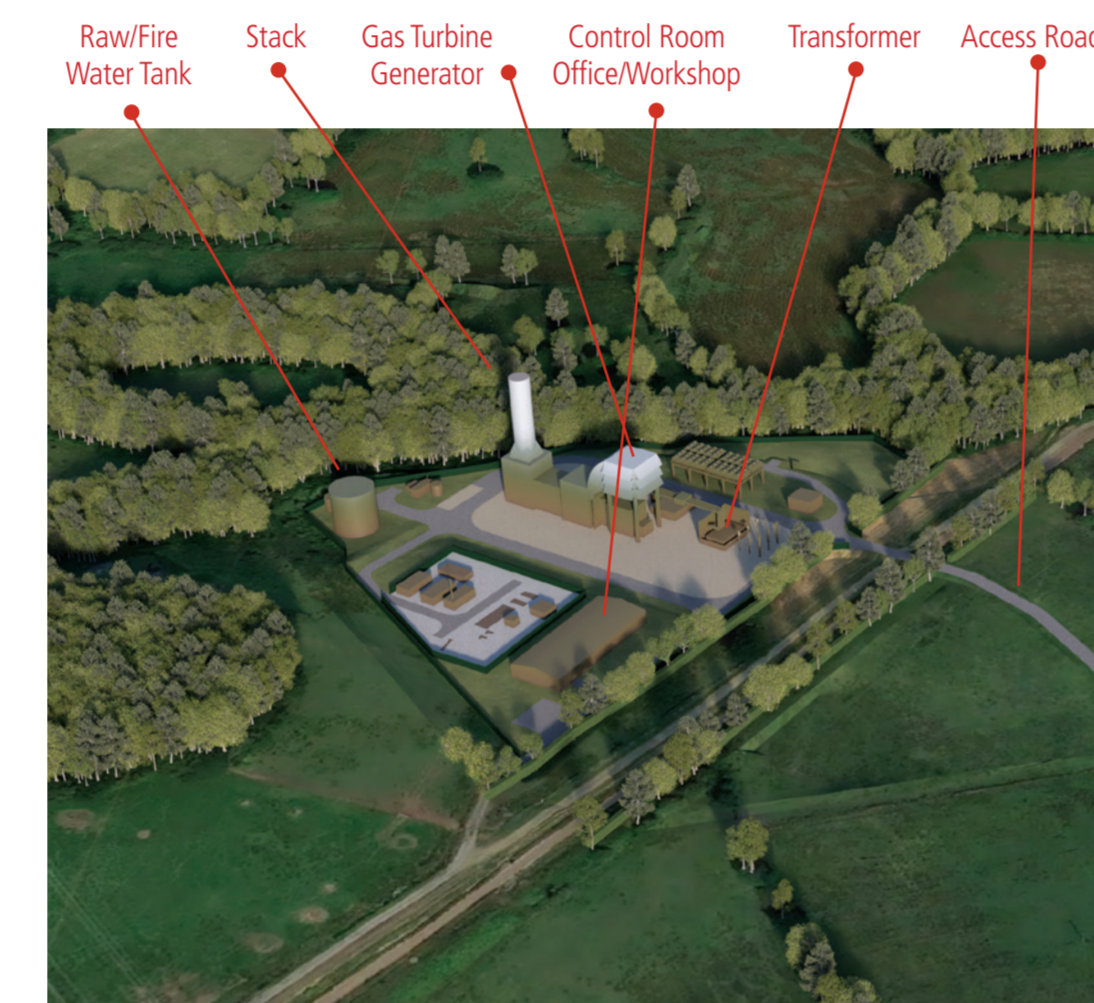
- Abergelli Power
- The need for new electricity generation fuelled by natural gas and our reasons for choosing Abergelli Farm
- The Development Consent Order (DCO) planning and consultation process – at local and national levels
- The proposed Project
- Project timeline
- Results of our Preliminary Environmental Information Report (PEIR)
- Community benefits
- This phase of consultation and how to provide feedback.

Under the new ownership of UK energy company Drax Group plc, APL is resuming the DCO process, building on the previous consultation and environmental work undertaken in 2014.

### Why Abergelli Farm?

The site at Abergelli Farm has two key advantages in terms of planning:

- The site is close to the national gas and electricity transmission networks; and
- National Grid encourages new electricity generation development in south Wales, close to the main sources of electrical demand in the UK.



Illustrative visual of the Power Generation Plant with a single turbine and stack.

### Planning and Public Consultation

The Project is classified as a Nationally Significant Infrastructure Project, which means that a DCO is required to build, operate and maintain it. The DCO application will be processed and examined by the Planning Inspectorate and the final decision on the application will be made by the Secretary of State for Business, Energy and Industrial Strategy.

For generating stations in Wales which are below 350 MW generating capacity, the Planning Act 2008 restricts what can be applied for through the DCO process to integral development. For the Project, the integral elements are the Power Generation Plant, the Laydown Area/Maintenance Compound and the Access Road. Therefore, the DCO application will not seek consent to construct and operate the gas or electrical connections. Instead, separate planning applications for these will be made to the City and County of Swansea Council.

Consultation with the City and County of Swansea Council, local people, businesses, and community councils in the area is an essential part of the DCO application process and will help to inform the final design of the Project.

APL is also liaising closely with organisations such as Natural Resources Wales (NRW) to ensure that the plant will be designed, built, operated and maintained to the highest relevant and current safety and environmental standards.

## Proposal to build a gas-fired power station

### Development of the Project

As a result of consultation, feedback and technical and environmental studies, several significant changes have occurred since the previous consultation events in 2014:

- Reduction in the number of stacks from a maximum of five to one
- Changing the maximum stack height from 40 m to 45 m
- Consolidating the Generating Equipment Site to the north of the Water Main
- Selecting an access route from the B4489 to the west of the Generating Equipment instead of the access route from the north
- Selecting an underground cable option for the Electrical Connection, instead of an overhead line option.

### The Project Key Details

- The construction, operation and maintenance of an Open Cycle Gas Turbine (also known as a Simple Cycle Gas Turbine) Power Generation Plant
- The Power Generation Plant will produce electricity from natural gas
- It is designed to provide flexible back-up generation capacity, which can respond quickly and efficiently to short-term variation in electricity demand, intermittent output from renewable power generation and periods of system stress
- The Power Generation Plant could operate for up to a maximum of 2,250 hours in any given year, provided that the 5-year rolling average does not exceed 1,500 hours per year
- The Power Generation Plant will have one stack of up to 45 m in height
- The construction of a new underground electrical connection to the nearby Swansea North Substation
- The construction of a new underground pipeline to bring natural gas to the Power Generation Plant from the National Gas Transmission System
- Extension to an existing access road from the B4489
- Ecological Mitigation Area
- The Power Generation Plant could become operational in 2022, subject to public consultation, planning and market conditions.

Although a preliminary preferred layout of the Power Generation Plant has been identified, the final location and layout are yet to be determined.



Indicative timeline

### Preliminary Environmental Assessment

Steps to mitigate the impact of the Project on the local environment during its construction, operation, maintenance and decommissioning are a major part of the consultation and planning process.

Due to the nature and size of the Project, APL is undertaking an Environmental Impact Assessment (EIA). The EIA considers the potential positive and negative impacts of the Project and APL has published interim findings in the PEIR. The PEIR, along with a non-technical summary, is available for inspection today, as well at local libraries. It can also be viewed at [www.abergellipower.co.uk](http://www.abergellipower.co.uk).

### Community Benefits

This £100m Project would be a substantial investment in the area and would deliver significant economic benefits for a period of at least 25 years, including:

- Creation of up to 150 jobs during a 2-year construction period
- Creation of up to 15 permanent skilled jobs for ongoing operation and maintenance of the facility
- Potential business opportunities for local suppliers.

APL will consult City and County of Swansea Council on ways to bring wider social and environmental benefits to the surrounding area.

### Comment and Feedback

Your feedback is important to the consultation process. We would like to invite your views on:

- The Power Generation Plant, as currently proposed, including changes since the 2014 consultation
- The proposed route option(s) for the Access Road
- The findings of the preliminary assessment on the likely significant environmental effects of the Project during construction and operation, as set out in the PEIR.

This consultation phase will end on Monday 19 February 2018, and we would welcome your views on or before this date.

[www.abergellipower.co.uk](http://www.abergellipower.co.uk)