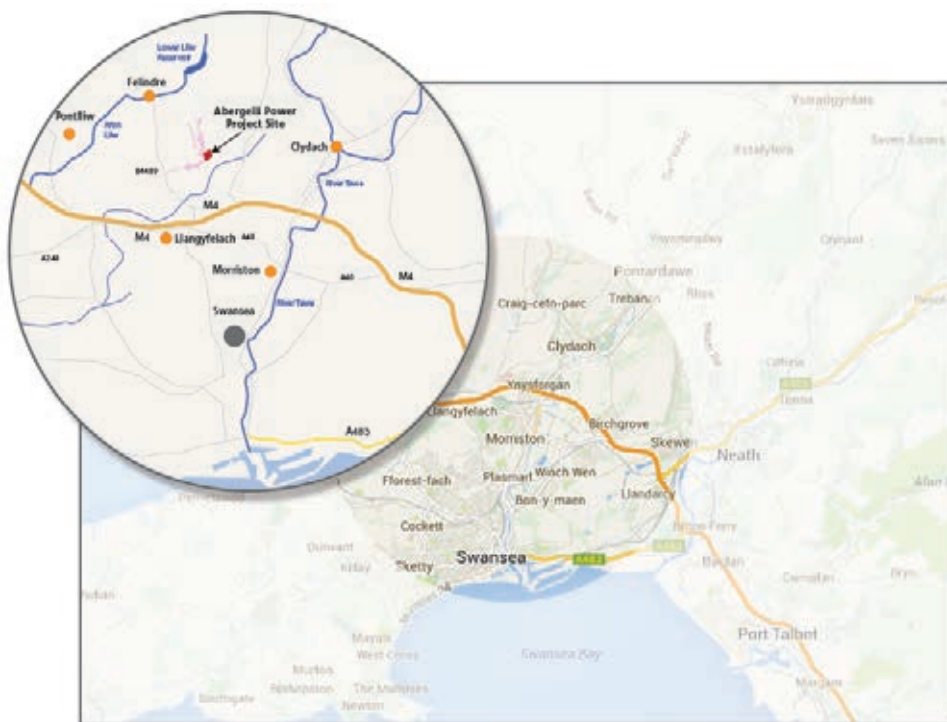




**Abergelli Power Project**  
**A proposal to build a gas-fired  
power station at Abergelli  
Farm, Felindre, Swansea**

Abergelli Power Limited  
January 2018





## The Project

Abergelli Power Limited (APL) proposes to develop a gas-fired power station on land adjacent to the Felindre Gas Compressor Station at Abergelli Farm, Felindre, Swansea (the "Project"). The Project includes a Power Generation Plant and its electrical and gas connections. The Project would have a rated electrical output of up to 299 MW.

The Project was taken through the first stages of the Development Consent Order ("DCO") consultation process in 2014. However, in March 2015, it was put on hold due to market uncertainty. Under the new ownership of the British energy company Drax Group plc, the Project is now once again being taken forward.

The Power Generation Plant will be capable of generating up to 299 MW of electricity, enough to power the equivalent of 150,000 households. Using the latest and most efficient power generating technology, it will burn

natural gas to generate electricity that is delivered into the National Grid. The Project is intended to provide back-up power to the National Grid and support the Government's drive to a low carbon economy.

More information on the Project can be found at [www.abergellipower.co.uk](http://www.abergellipower.co.uk).

Subject to public consultation, planning and market conditions, the power station could enter into operation in 2022. It would create up to 150 jobs during construction, up to 15 full time skilled jobs once operating and contribute millions of pounds into the local economy during the construction phase through local procurement opportunities.



## Why Abergelli Farm?

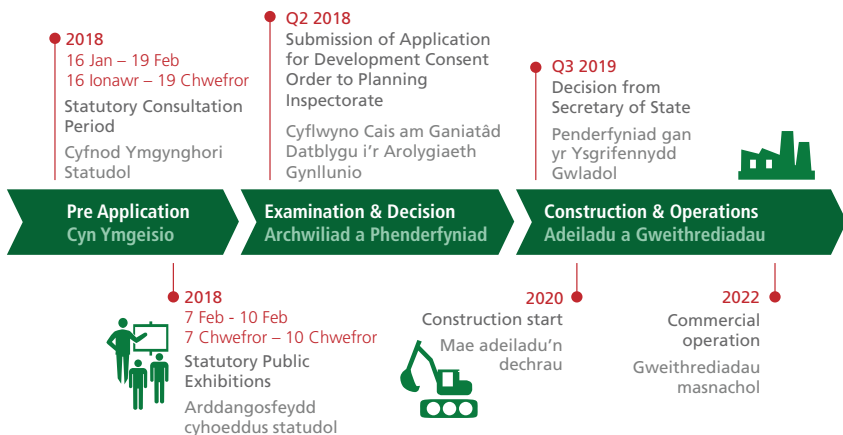
The site at Abergelli Farm has two key advantages in terms of planning:

- 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. Additional visuals will be made available at the public exhibition and subsequently on the project website.**

# Principal Elements of the Project

- The construction, operation and maintenance of an Open Cycle Gas Turbine (also known as a Simple Cycle Gas Turbine) Power Generation Plant with a rated electrical output of up to 299 MW of electricity;
- 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 45m in height;
- The Project will include construction of a new underground electrical connection to the nearby Swansea North Substation. The proposed DCO application will not include powers to authorise construction of the electrical connection, but will include powers of compulsory acquisition for land and rights required for the electrical connection, as discussed under **Planning and Public Consultation** below.
- The Project will include the construction of a new underground pipeline to bring natural gas to the Power Generation Plant from the National Gas Transmission System. The proposed DCO application will not include powers to authorise construction of the gas connection but will include powers of compulsory acquisition for land and rights required for the gas connection, as discussed under **Planning and Public Consultation** below.
- Extension to an existing access road from the B4489;
- Ecological Mitigation Area;
- The Project will create approximately 150 jobs during a construction period lasting two years and up to 15 permanent jobs once the project is operational;
- The plant could become operational in 2022, subject to public consultation, planning and market conditions.



## Planning and Public Consultation

The capacity of the Power Generation Plant will be up to 299 MW of electricity and is classified as a Nationally Significant Infrastructure Project (NSIP) under the Planning Act 2008, which means that a DCO is required to construct, operate and maintain it. A DCO application is submitted to the Secretary of State for Business, Energy and Industrial Strategy (the "Secretary of State") via the Planning Inspectorate. The proposals will be examined by an Examining Authority (appointed by the Secretary of State), who will make a recommendation for decision by the Secretary of State.

In the context of 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 development that is integral to and forms part of the NSIP. For the Project, the integral elements are the Power Generation Plant, the Laydown Area/Maintenance Compound and the Access Road.

In this case, the DCO application will not seek consent to construct and operate the gas or electrical connections, instead planning applications will be made under the Town and Country Planning Act 1990 or permitted development rights will be utilised (as applicable). However, compulsory acquisition powers for the land and rights required to construct, operate and maintain the gas and electrical connections are proposed to be included within the DCO application.

Further information about the DCO application process is available on the Planning Inspectorate's website (<http://infrastructure.planningportal.gov.uk>).

Consultation with local people, businesses, and organisations is an essential part of the DCO application process and helps to inform the final design of the Project.

An initial phase of statutory consultation was held in October/November 2014, which was preceded by a period of informal consultation that commenced in May 2014. During both consultation phases in 2014, APL shared its plans with local residents and businesses in a number of ways: the local media, information leaflets, exhibitions held at Llangyfelach, Clydach, Felindre and

Tircoed, meetings with local councillors and via the internet. APL reviewed and responded to the feedback received and has taken the comments into account in the evolution of the Project.

The various consultation activities during 2014 helped inform the Project's development and led to APL's decision to:

- Reduce the number of stacks from a maximum of five to one;
- Change the maximum stack height from 40 m to 45 m;
- Consolidate the Generating Equipment Site to the north of the Water Main;
- Select an access route from the B4489 to the west of the Generating Equipment instead of the access route from the north; and
- Select an underground cable option for the Electrical Connection, instead of an overhead line option.

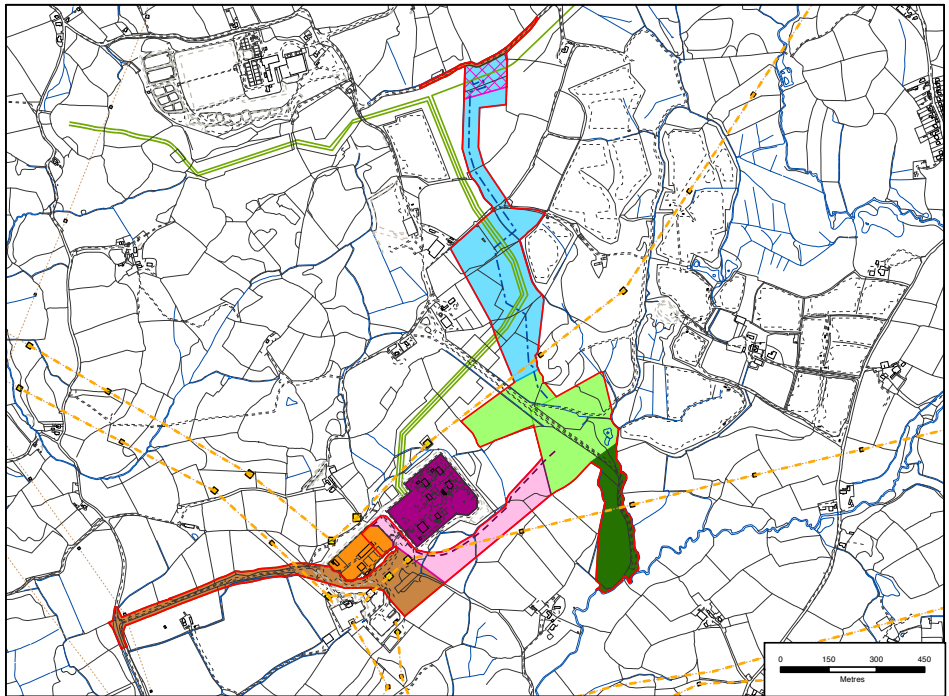
Additionally, APL has undertaken detailed technical and environmental studies, and associated design work to refine the design of the Project.

A second phase of statutory public consultation will begin on 16 January 2018 and will end on 19 February 2018. This gives you a further opportunity to comment on the Project.

APL is continuing to engage with bodies such as the City and County of Swansea (CCS), Natural Resources Wales (NRW), Community Councils and local Assembly Members and MP to ensure that the Project is designed, built, operated and maintained to the highest relevant and current safety and environmental standards and to gather feedback from the local community.



# Project Elements Plan



Indicative plan showing the main elements of the Project

## Legend

<span style="border: 1px solid red; display: inline-block; width: 20px; height: 10px;"></span> Project Site Boundary	<span style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, yellow 2px, yellow 4px); display: inline-block; width: 20px; height: 10px;"></span> Indicative AGI Location
<span style="color: yellow; font-weight: bold;">---</span> 400kv Overhead Electricity Transmission Lines	<span style="background-color: brown; display: inline-block; width: 20px; height: 10px;"></span> Access Road Corridor Only
<span style="color: green; font-weight: bold;">---</span> National Gas Transmission System	<span style="background-color: darkgreen; display: inline-block; width: 20px; height: 10px;"></span> Ecological Mitigation Area
<span style="color: blue; font-weight: bold;">---</span> Indicative Gas Connection Route	<span style="background-color: pink; display: inline-block; width: 20px; height: 10px;"></span> Electrical Connection Route Corridor and Access Road Corridor
<span style="color: red; font-weight: bold;">---</span> Indicative Electrical Connection Route	<span style="background-color: yellow; display: inline-block; width: 20px; height: 10px;"></span> Electricity Transmission Tower
	<span style="background-color: purple; display: inline-block; width: 20px; height: 10px;"></span> Existing Gas Compressor Station
	<span style="background-color: orange; display: inline-block; width: 20px; height: 10px;"></span> Existing Swansea North Electric Substation
	<span style="background-color: lightblue; display: inline-block; width: 20px; height: 10px;"></span> Gas Connection Route Corridor
	<span style="background-color: lightgreen; display: inline-block; width: 20px; height: 10px;"></span> Generating Equipment Site and Laydown Area

## The Need for Gas Generation

The Government's Overarching National Policy Statement for Energy (NPS EN-1) states that "...gas will continue to play an important role in the electricity sector – providing vital flexibility to support an increasing amount of low-carbon generation and to maintain security of supply".

The Welsh Government's publication 'Energy Wales: A Low Carbon Transition' states that "...in the short term, gas, nuclear and bio-energy will provide the energy to compensate for the intermittency in supply from renewable resources."

Natural gas is a reliable fuel source and is acknowledged by both the UK and Welsh Governments as being essential to support a low carbon economy and underpin the country's energy security. Faced with closures of many ageing coal and nuclear plants across the UK, investment in reliable, low carbon technology is needed. In addition, gas provides back-up to power generation from renewable sources, particularly wind and solar power – which are increasingly prevalent, but intermittent, energy sources dependent on the wind blowing or sun shining. Modern gas-fired power plants are among the most efficient and cleanest forms of electricity power generation. The need for the Project is established through government policy and is therefore not being consulted on by APL as part of its statutory consultation for the Project.

## 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; and
- Potential business opportunities for local suppliers.

APL will consult CCS on ways to bring wider social and environmental benefits to the surrounding area.

## Environment

APL's steps to mitigate the effects of the Project on the local environment during its construction, operation and maintenance are a major part of the consultation and planning process.

Due to the nature and size of the Project, it is classified as Environmental Impact Assessment (EIA) development and APL is undertaking an EIA which considers the potential effects of the Project. The Project falls under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 (the "EIA Regulations 2009") and not the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the "EIA Regulations 2017"). This is because APL requested a scoping opinion from the Secretary of State prior to 16 May 2017. This means that, in accordance with the transitional provisions in Regulation 37(2)(a) of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017, the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 will continue to apply to the application by APL for a DCO.

For the purpose of consultation, APL has prepared an updated Preliminary Environmental Information Report (2018 PEIR) for the Project and a non-technical summary of the 2018 PEIR.

The 2018 PEIR indicates the following potential effects, all of which will be minimised, where feasible, through the final design process and a number of control measures, including:

- Transport – potential effects on the local network from construction traffic, confined to the construction and decommissioning periods;
- Air quality, emissions and noise – potential effects resulting from construction activities and during operation of the Power Generation Plant;
- Visual effects on the historic environment – introduction of one stack of up to 45 m in height into the local landscape; and
- Local ecology – potential effects and opportunities to enhance local habitat through additional planting.



## Your Views?

This consultation will end on 19 February 2018 and APL would welcome your views on or before this date. Please include your name and an address. Responses may be made public, subject to data protection laws.

APL 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; and
- The preliminary findings of the assessment as to the likely significant environmental effects of the Project.

You can give your views to APL in a number of ways:

- Via FREEPOST Feedback Form, attached to this leaflet;
- At a series of exhibitions, to be held in the local area. Members of the APL team will be on hand to discuss the Project in detail with you;
- Via e-mail, freepost and telephone you can ask questions or make comments. See the **How to Get in Touch** section; and
- At meetings and briefings with your local representatives.

## More Information Available

These documents can be viewed on the Abergelli Power website ([www.abergellipower.co.uk](http://www.abergellipower.co.uk)) from 16 January 2018.

The documents are also available for viewing free of charge from 16 January 2018 until 19 February 2018 at the following libraries (opening times vary):

- **Swansea Central Library**, Civic Centre, Oystermouth Road, Swansea, SA1 3SN, Tel. 01792 636464
- **Clydach Library, High Street**, Clydach, Swansea, SA6 5LN, Tel No. 01792 843300
- **Gorseinon Library**, 15 West Street, Gorseinon, Swansea, SA4 4AA, Tel No. 01792 516780
- **Morrison Library**, Treharne Road, Morrison, Swansea, SA6 7AA, Tel No. 01792 516770
- **Pontarddulais Library**, St Michael's Avenue, Pontarddulais, Swansea, SA4 8TE  
Tel No. 01792 882822

Please note that the technical appendices to the 2018 PEIR will only be available electronically at the above locations, but a printed copy will be available to view at the exhibitions.

## Exhibitions in the Local Area

Members of the APL team will also be present at four local exhibitions from 7 February 2018 – 10 February 2018 to allow those who live in the vicinity of the Project, or those groups and organisations who may have a view on the Project, to find out more information and provide APL with any comments they may have. The exhibitions are shown below:

- Llangyfelach Church Hall, Swansea Road,  
Llangyfelach, Swansea SA5 7JA  
Wednesday 7 February, 16:00 - 19:00
- Forge Fach Resource Centre, Hebron Road,  
Clydach, Swansea, SA6 5EJ  
Thursday 8 February, 15:30 – 18:30
- Tircoed Village Hall, Y Cyswilt, Tircoed SA4 9QZ  
Friday 9 February, 17:00 - 20:00
- Felindre Welfare Hall, Felindre, Swansea SA5 7NA  
Saturday 10 February, 10:00 – 13:00

Copies of the Non-Technical Summary of the 2018 PEIR and this consultation leaflet are also available in Welsh translation on the Project's website, and will be available to view at the exhibitions and at the libraries listed above.

## How to Get in Touch

The contact details for APL are as follows:

**Phone** 01792 957 026  
**Email** [info@abergellipower.co.uk](mailto:info@abergellipower.co.uk)  
**Website** [www.abergellipower.co.uk](http://www.abergellipower.co.uk)  
**Post** Freepost ABERGELLI POWER

Please include your name and address. Responses may be made public, subject to data protection laws.

## Next Steps

After the close of the Statutory Consultation, APL will have regard to all consultation responses received in taking forward the detailed technical and environmental assessment, and associated design work, in order to refine the design of the Project towards submission of the DCO application.

Tear along here

# Freepost Response Form

(Please complete in BLOCK CAPITALS)

Please post the completed response form (free of charge) by 19 February 2018 to Abergelli Power Ltd at the following address:  
Freepost ABERGELLI POWER

Name: .....  
Address: .....  
.....  
Email: .....

I plan to attend the following exhibition events:	Did you comment during the previous phase of consultation?
Llangyfelach Village Hall <input type="checkbox"/>	Yes <input type="checkbox"/>
Felindre Welfare Hall <input type="checkbox"/>	No, I wasn't aware of the Project <input type="checkbox"/>
Forge Fach Resource Centre, Clydach <input type="checkbox"/>	No, I didn't comment for another reason <input type="checkbox"/>
Tircoed Village Hall <input type="checkbox"/>	(please share below) ..... ..... ..... ..... .....

APL initially consulted with the local community and stakeholders on the Project in 2014. We have since taken into account further information and prepared a Preliminary Environmental Information Report that identifies potential benefits and impact. Do you have any comments on our findings?

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If you have any comments about the Project (in particular the proposed route option(s) for accessing the Project and the indicative layout of the power generation plant), or any other information we should be aware of, please share below.

.....  
.....  
.....

How do you feel about this proposal to build the Project?

Supportive ☐      Neutral ☐      Opposed ☐      Undecided ☐

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If you wish to provide further comment about the Project, please continue on additional sheets and forward to the freepost address or contact us via our email address [info@abergellipower.co.uk](mailto:info@abergellipower.co.uk). Thank you.

APL will use the personal information supplied in this feedback form solely in connection with the consultation process and the proposed planning application. Responses may be made publicly available, but personal details will be kept confidential. Respondents do not have to provide any personal information, but this information will help us to understand the range of responses, and to provide updates about the project and the outcome of the consultation. Where we use third parties to support this process, we may share the feedback form with them but only under obligations of confidentiality and data protection.

Fold here to stick before sending



Freepost **ABERGELLI POWER**

