Further details about the Belfast Power Station project can be found online at [belfastpower.com](http://belfastpower.com).

If you require any further information please don’t hesitate to contact Strategic Planning via the contact details below:

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**BELFAST POWER STATION**

A new era in low carbon electricity generation
INTRO

Belfast Power Limited has submitted a full planning application to the Department for Infrastructure for the development of a state-of-the-art gas-fired power station at Airport Road West in the Belfast Harbour Estate. When developed, the power station will bring a new supply of low carbon energy to Northern Ireland.

Belfast Power Station is being developed by Evermore Energy, a Northern Ireland based company established in 2009 to initiate, develop and finance low-carbon strategic infrastructure projects throughout Ireland, the UK and Europe.

The company is widely recognised as a market leader in the sustainable energy sector, operating at the cutting edge of low carbon electricity generation, having already successfully developed the 16 megawatt Lisahally Combined Heat and Power Plant at Foyle Port in Londonderry.
Northern Ireland relies on a mix of energy generation to meet its electrical needs. This energy comes from a combination of thermal and renewable generation spread across the province, with the thermal generation produced by three main power stations.

These include:

- Coolkeeragh gas-fired power station in the North West
- Ballylumford power station in Islandmagee
- Kilroot power station

In the coming years some of the older generating plant will be decommissioned due to environmental restrictions, meaning there will be a significant reduction in the amount of electricity being produced.

Therefore there is now a need to develop a new, modern, low carbon power station in Northern Ireland to help provide the electricity we use and rely on in our homes and businesses every day.
The Belfast Power Station represents a new era in low carbon electricity supply in Northern Ireland. Using cutting-edge combined cycle gas turbine (CCGT) technology provided by Siemens Energy it will produce 480 megawatts of electricity – enough to power over 500,000 homes and businesses across the region.

Its modern design means it will operate in a way that is complimentary to renewable energy generation in Northern Ireland, and will therefore help us to further reduce our CO2 emissions.

At £280 million it is one of the biggest single private investments to be undertaken in Northern Ireland in recent years. The project will create over 700 jobs during the construction phase and 50 full time highly skilled roles when operational.
The Belfast Power Station will be developed on a 13 acre site in the Belfast Harbour Estate.

Earmarked for energy generation, the site is located in Belfast’s industrial heartland. It is in close proximity to Northern Ireland’s main natural gas network which will provide the power station’s main fuel source.

The location of the site will also allow the project to be connected to the electricity transmission system, meaning the power it generates can be transported to the main network and distributed throughout Northern Ireland.

The underground gas connection formed part of Belfast Power Limited’s planning application submitted to the Department for Infrastructure, while the connection to the electricity network will be taken forward separately by SONI (System Operator for Northern Ireland).

KEY

Proposed Gas Connection
Alternative Gas Connection
SITE LAYOUT

KEY
1. Site Entrance
2. Potential Carbon Capture Area + Storage
3. Air Cooled Condenser
4. Turbine Hall
5. Heat Recovery Steam Generator Building
6. Chimney Stack
7. Administrative Building
8. Workshop
9. Backup Fuel Storage Tanks
10. Water Storage Tanks
11. Retention Pond
12. GIS Substation
13. Black Starters
14. Gas Compressor Station
15. Gas Pressure Reduction Station
16. Water Treatment Plant
17. Gas Final Filter and Preheating
18. Gas Line
The proposed power station has been designed by Siemens Energy to include cutting-edge technology. It will meet and exceed the highest environmental standards, achieving lower CO2 emissions compared to more traditional forms of power generation.

A comprehensive Environmental Statement was submitted alongside the planning application for the project, allowing the Department for Infrastructure and relevant consultees to fully assess environmental considerations such as:

- Air Quality
- Archaeology and Cultural Heritage
- Geology and Soils
- Hydrology
- Noise
- Transport Assessment
- Airport Proximity
- Ecology
- Hydrogeology
- Landscape and Visual Assessment
- Population and Socio-Economic

The Belfast Power Station will play an important role in low-carbon electricity generation for Northern Ireland while having the least possible impact on the environment.

During its construction and operation the plant will adhere strictly to environmental legislation having obtained all necessary permissions and consents in advance. Alongside the requirement to obtain planning permission, the project will also secure an Industrial Emissions Directive permit as well as other permits and licenses.