

An
Bord
Pleanála

Board Order ABP-319566-24

Planning and Development Acts, 2000 to 2022

Planning Authority: Kerry County Council

Application for permission under section 37E of the Planning and Development Act 2000, as amended, in accordance with plans and particulars, including an Environmental Impact Assessment Report and Natura Impact Statement, lodged with An Bord Pleanála on the 19th day of April, 2024 by Shannon LNG Limited care of AECOM Ireland Limited of Fourth Floor, Adelphi Plaza, Georges Street Upper, Dun Laoghaire, County Dublin.

Proposed development: The proposed development is for a ten-year permission that comprises the following:

1. A proposed Power Plant, which will comprise three number turbine halls (approximately 6,175 square metres each, and approximately 30.145 metres in height), each containing one number Combined Cycle Gas Turbine (CCGT). Each turbine hall will have a capacity of approximately 200 megawatts for a total installed capacity of 600 megawatts. Each turbine hall will comprise:
 - two number gas turbines with generators;
 - two number heat recovery steam generators (HRSG) with exhaust stacks exiting at approximately 35 metres in height;
 - one number steam turbine with generator and exhaust duct;
 - one number electrical equipment room;

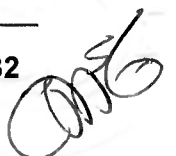
- one number auxiliary control room;
- one number Distributed Control System (DCS) room;
- one number batteries room;
- one number standby diesel generator room;
- one number overhead crane;
- one number auxiliary transformer.

Each turbine hall will be linked via one number exhaust duct to one number Air Cooled Condenser (ACC) (approximately 2,711.9 square metres each, and approximately 32.605 metres in height). Each Air-Cooled Condenser will comprise:

- one number single-storey air cooled condenser (ACC) electrical Power Distribution Centre (approximately 103.7 square metres and approximately 4.25 metres in height);
- one number condensate collection tank;
- one number single-storey condensate polishing equipment enclosure (approximately 103 square metres and approximately 5.014 metres in height);
- one number single-storey ACC air extraction and equipment enclosure (approximately 196 square metres and approximately 10.25 metres in height).

The Power Plant will also include the following ancillary structures:

- one number two-storey electrical (GIS) substation building (approximately 1,096 square metres and approximately 13.5 metres in height);
- one number air cooled heat exchangers structure (approximately 1,292.5 square metres and approximately 10 metres in height), with sound retention wall;
- one number single-storey workshop/stores/canteen building (approximately 732 square metres and approximately 8.013 metres in height);
- one number single-storey auxiliary boiler building (approximately 204 square metres and approximately 13.050 metres in height) and exhaust stack (approximately 32 metres in height);



- one number single-storey central control operations building (approximately 318 square metres and approximately 6.41 metres in height);
- one number single-storey administration building (approximately 318 square metres and approximately 5.435 metres in height);
- one number single-storey water treatment building (approximately 630 square metres and approximately 7.445 metres in height);
- one number single-storey firewater pumps enclosure (approximately 47 square metres and approximately 7.185 metres in height);
- one number effluent sump;
- two number raw/service/fire water storage tanks (approximately 24.15 metres in height);
- two number demineralised water storage tanks (approximately 15.65 metres in height);
- three number generator step-up transformers (each approximately 104 square metres and approximately 6.04 metres in height), each with a sound retention wall;
- one number single-storey fuel gas metering enclosure (approximately 166 square metres and approximately 5.725 metres in height);
- one number single-storey fuel gas regulating enclosure (approximately 166 square metres and approximately 5.725 metres in height);
- one number single-storey security building (approximately 63.8 square metres and approximately 3.657 metres in height);
- one number single-storey metering and regulating area kiosk enclosure (approximately nine square metres and approximately three metres in height);
- one number single-storey metering and regulating area analyser enclosure (approximately 13.2 square metres and approximately three metres in height);
- one number single-storey metering and regulating area instrument enclosure (approximately 13.2 square metres and approximately three metres in height);



- one number single-storey fuel oil forwarding pump building (approximately 823 square metres and approximately 6.935 metres in height);
 - one number centrifuge and fuel oil unloading pump building (approximately 263 square metres and approximately 7.185 metres in height);
 - one number fuel oil truck unloading area and shelter (approximately 304 square metres and approximately 8.85 metres in height);
 - two number fuel oil storage tanks (approximately 21.15 metres in height);
 - three number fuel oil storage day tanks (approximately 15.65 metres in height); and
 - three number flue gas heaters (approximately 307.8 square metres and approximately 5.73 metres in height).
2. A proposed 120-megawatt hour (MWh) (1-hr) Battery Energy Storage System (BESS) (approximately 5,552.7 square metres and approximately 6.296 metres in height), which will comprise 27 number battery containers, approximately 4.5 MWh each, containing lithium-ion batteries, and ancillary power conversion system (PCS) skids, as well as:
- one number Battery Energy Storage System power distribution centre (approximately 37.2 square metres and approximately 4.25 metres in height);
 - one number Battery Energy Storage System step-up transformer (approximately 91.5 square metres and approximately 5.7 metres in height); and
 - one number Battery Energy Storage System auxiliary transformer (approximately 25 square metres and approximately three metres in height) and sound retention wall.
3. A proposed Above Ground Installation (AGI) to include:
- two number single-storey chromatograph buildings (approximately 14.19 square metres and approximately 2.7 metres in height each);

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- one number single-storey control and instrumentation building (approximately 186.7 square metres and approximately 4.29 metres in height);
- one number single-storey metering building (approximately 480 square metres and approximately 5.175 metres in height);
- five number single-storey boiler unit buildings (approximately 42.24 square metres and approximately eight metres in height each);
- one number single-storey regulator building (approximately 243.6 square metres and approximately 5.27 metres in height);
- one number single-storey generator kiosk building (approximately 60.72 square metres and approximately 3.25 metres in height);
- The following ancillary structures: heat exchangers; filtering; reverse flow valve arrangement; pig trap; and fuel gas let down units.

The Above Ground Installation will facilitate the import of natural gas to the national gas transmission network via the already consented 26-kilometre Shannon Pipeline (An Bord Pleanála Reference Numbers PL08.GA0003 and PL08.DA0003).

4. All ancillary structures/works, including: the demolition of a small farm complex (in ruin), to include two number outhouses (in ruin) and a former habitable dwelling (in ruin), a gun emplacement structure (in ruin), a well (in ruin), and a field boundary wall structure (in ruin); two number oil/water separators; one number retaining wall; one number firewater retention pond; utility racks; utility sleepers; two number crossover platforms; water supply connection; one number electrical grid interface building (indicative) pre-engineered/package biological waste water treatment system and a surface water drainage network, both of which will discharge directly to the Shannon Estuary via a discharge pipe; all car parking, including mobility and electric vehicle spaces, and cycle parking; new access off the L-1010 (Coast Road); two number culverts; internal roadways; pre-cast concrete bridge over the Ralappane Stream; all temporary construction works, including laydown area; all site development works, including earthworks to create a level platform at +18 metres O.D. for the main footprint of the proposed development (excluding the proposed AGI), and

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landscaping; security fencing and gates, including 2.9 metres high chain link outer site perimeter fence, a four metre high inner site security fence, internal 2.4 metres high palisade fencing and external 2.995 metres high weld mesh fencing for the Above Ground Installation; CCTV cameras; telecommunications connections; and all lighting.

All located within the townlands of Kilcolgan Lower and Ralappane, between Tarbert and Ballylongford, County Kerry and on the Shannon Estuary.

Decision

Grant permission under section 37G of the Planning and Development Act 2000, as amended, for the above proposed development in accordance with the said plans and particulars based on the reasons and considerations under and subject to the conditions set out below.

Determine under section 37H(2)(c) the sum to be paid by the applicant in respect of costs associated with the application as set out in the Schedule of Costs below.

Reasons and Considerations

The Board performed its functions in relation to the making of its decision, in a manner consistent with Section 15(1) of the Climate Action and Low Carbon Act 2015, as amended by Section 17 of the Climate Action and Low Carbon Development (Amendment) Act 2021, (consistent with the most recent approved, climate action plan, national long term climate action strategy, national adaptation framework and approved sectoral adaptation plans, the furtherance of the national climate objective, and the objective of mitigating greenhouse gas emissions and adapting to the effects of climate change in the State);

And in coming to its decision, the Board had regard to the following:

- (a) European, national, regional and local planning, energy, climate and other policy of relevance, including in particular the following:

European Policy/Legislation:

- Directive 2014/52/EU amending Directive 2011/92/EU (Environmental Impact Assessment Directive);
- Directive 92/43/EEC (Habitats Directive) and Directive 79/409/EEC as amended by 2009/147/EC (Birds Directive);
- Directive 2000/60/EC (Water Framework Directive).

National Policy and Guidance including:

- Project Ireland 2040 - National Planning Framework (2018);
- National Development Plan (2021-2030);
- National Marine Planning Framework (2020);
- The objectives and targets of the National Biodiversity Action Plan 2023-2030;
- Long-term Strategy on Greenhouse Gas Emissions Reduction (2024);
- Policy Statement on Security of Electricity Supply (November 2021);
- National Energy Security Framework (April 2022);
- National Energy and Climate Action Plan (2021-2030);

Regional and Local Planning Policy, including in particular:

- Regional Spatial and Economic Strategy for the Southern Region (2019-2031);
- Strategic Integrated Framework Plan for the Shannon Estuary (2013-2020);
- Shannon-Foynes Port Company Masterplan – Vision 2041 (2013);
- Kerry County Development Plan 2022-2028;
- Listowel Municipal District Local Area Plan (2019-2025).

- (b) The location, nature, scale and layout of the proposed development.

- (c) The range of mitigation measures set out in the Environmental Impact Assessment Report and Natura Impact Statement.
- (d) The submissions received in relation to the application by all parties.
- (e) The Inspector's report and recommendation.

Appropriate Assessment: Stage 1:

The Board noted that the proposed development is not directly connected with, or necessary for, the management of a European Site.

The Board completed an Appropriate Assessment Screening exercise in relation to potential effects on designated European Sites, taking into account the Screening Report submitted with the application, the report and screening assessment completed by the Board's Inspector which concluded that the following sites are the European Sites for which there is a likelihood of significant effects on:

- Lower River Shannon Special Area of Conservation (Site Code: 002165) and
- River Shannon and River Fergus Estuaries Special Protection Area (Site Code: 004077).

The Board determined that Appropriate Assessment was required for these European Sites.

Appropriate Assessment: Stage 2:

The Board considered that the Natura Impact Statement and associated documentation submitted with the application, the mitigation measures contained therein, the submissions, and the observations on file, and carried out an Appropriate Assessment of the implications of the proposed development on European Sites in view of the conservation objectives for the sites. The Board considered that the information before it was adequate to allow the carrying out of an Appropriate Assessment and to allow it to reach complete, precise and definitive conclusions for Appropriate Assessment.

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In completing the assessment, the Board considered in particular, the likely direct and indirect impacts arising from the proposed development, both individually and in combination with other plans and projects, the mitigation measures which are included as part of the current proposal and additional mitigation measures recommended by the Inspector in view of the sites' conservation objectives. In completing the Appropriate Assessment, the Board accepted and adopted the Appropriate Assessment carried out by the Board's Inspector, of the potential effects of the development on the aforementioned European Sites, having regard to the sites' conservation objectives. In overall conclusion, the Board was satisfied that the proposed development would not adversely affect the integrity of:

- Lower River Shannon Special Area of Conservation (Site Code: 002165) and
- River Shannon and River Fergus Estuaries Special Protection Area (Site Code: 004077),

in view of the conservation objectives of those sites and that there is no reasonable scientific doubt as to the absence of such effects.

Environmental Impact Assessment

The Board completed an Environmental Impact Assessment of the proposed development taking account of:

- (a) The nature, scale and location of the proposed development;
- (b) The Environmental Impact Assessment Report and associated documentation in support of the application for which approval is sought;
- (c) The submissions received during the course of the application;
- (d) The Inspector's report and recommendation.

The Board considered that the Environmental Impact Assessment Report, supported by the documentation submitted by the applicant, adequately considers alternatives for the proposed development, and identifies and describes adequately the direct, indirect and secondary and cumulative impacts of the proposed development on the environment. The Board agreed with the examination, as set out in the Inspector's



report, of the information contained in the Environmental Impact Assessment Report and associated documentation submitted by the applicant, and submissions made in the course of the application for approval.

The Board concluded that, subject to the implementation of the mitigation measures proposed, as set out in the Environmental Impact Assessment Report and, subject to compliance with the conditions set out herein, the effects on the environment of the proposed development by itself and cumulatively with other development in the vicinity would be acceptable. In doing so, the Board adopted the report and conclusions of the reporting Inspector.

Reasoned Conclusions on the Significant Effects

Having regard to the examination of the environmental information set out above, and in particular the Environmental Impact Assessment Report and supplementary information submitted by the applicant, and to the submissions received from the planning authority, prescribed bodies and observers in the course of the application, it is considered that the main significant direct, indirect or cumulative impacts on the environment, of the development permitted herein are, and will be, mitigated as follows:

1. The development could give rise to impacts on surface and groundwaters as a result of run-off of sediments, accidental spillages of chemicals, hydrocarbons or other contaminants entering waterbodies during construction. These impacts would be adequately mitigated by:
 - The implementation of the Construction Environmental Management Plan and standard best practise guidance and measures, including measures for the control of soils, materials and pollutants, drainage design and the management of surface waters;
 - Soil and stockpile management, including separation from waterbodies and from areas subject to flooding;
 - Minimise use of cast in-situ concrete and measures to prevent discharge of contaminants to the underlying subsoil or to the marine environment.

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2. Construction activity will give rise to noise and vibration emissions, particularly during terrestrial blasting and rock breaking activities. The impacts from such activities would be adequately mitigated by:
 - Adherence to identified emission limit values and guidelines for such activities (BS6472-2:2008);
 - The short-term nature of the activities and limits on daily blasting activities;
 - Separation from the shoreline and sensitive receptors;
 - Process management and a dedicated Public Liaison Officer and protocols for community relations;
 - On-going monitoring.
3. Construction activities, particularly from blasting, will give rise to air overpressure. The impacts from such activities would be adequately mitigated by:
 - Adherence to the principles set out in BS 5607:2017 code of practice for the safe use of explosives in the construction industry;
 - No more than one blast per day;
 - Designing each blast to maximize its efficiency and reduce the transmission of vibration;
 - A protocol for community relations with regards to blasting is adopted such that prior warning of blasting operations is given to members of the public.
4. Operational discharges to the marine environment, including wastewater, accidental spillages and process discharge, have the potential to impact on water quality and dependent species and habitats. The impacts from such activities would be adequately mitigated by:
 - Design, operation and monitoring of drainage systems in compliance with Industrial Emissions licence requirements;
 - Attenuation of stormwater run-off from paved/impermeable areas;



- Drainage systems capable of handling anticipated volumes, incorporating treatment facilities and monitoring equipment appropriate to each effluent stream (including silt trap, Class 1 hydrocarbon interceptor, a firewater retention facility, package wastewater treatment plant and potential of hydrogen (pH) adjustment);
 - Measures for the control and management of hazardous materials and removal of identified effluent streams off-site for treatment;
 - Adherence to Environmental Protection Agency guidance for firewater retention and the storage and transfer of materials for scheduled activities;
 - Availability of secondary containment and spill kits for other hazardous materials;
 - Dispersion effects within a short distance of the discharge point, given the extent and dynamic nature of waters in the estuary.
5. Construction of the development will result in the direct loss of marine environment habitats. The impacts from such activities would be adequately mitigated by:
- The limited spatial extent of loss, where the affected habitats and community types are not uncommon or rare and where natural recolonisation can occur.
6. Development of the site will result in terrestrial habitat removal and disturbance and displacement of species occurring on or around the site. The impacts from such activities would be adequately mitigated by:
- Implementation of Construction Environmental Management Plan and appointment of an Ecological Clerk of Works;
 - Adherence to published guidance including Construction Industry Research and Information Agency (CIRIA) guidance on water pollution and Inland Fisheries Ireland guidelines of protection of fisheries, Bat Conservation Ireland guidance on lighting design, and National Roads Authority (NRA) Guidelines for the treatment of Badgers, Bats and Otters;

- Monitoring of Badger setts during post-construction;
 - No in-stream works in Ralappane Stream;
 - A detailed method statement in respect of disturbance to cliff habitat from vehicular access;
 - Planting and landscaping works using native species;
 - Clear delineation and fencing off of habitat conservation areas and retained trees/vegetation;
 - Timing and management of tree/vegetation and structure removal works, with pre-development surveys of features to be removed;
 - Erection of bat boxes and bird nesting boxes;
 - Blasting vibration limits will be achieved by limiting the Maximum Instantaneous Charge (MIC).
7. Operation of the proposed power plant would give rise to an increase in operational greenhouse gas emissions with resulting impacts on the achievement of EU and National climate change and carbon emission reduction targets. The impacts from such activities would be adequately mitigated by:
- The role of the Combined Cycle Gas Turbine in the overall energy generation sector and in facilitating renewable generation capacity and the transition to a low carbon system;
 - Displacement of potentially more carbon intensive power generation;
 - Operation in the European Union Emissions Trading System scheme;
 - Embedded design mitigation, including high efficiency and ability to operate at a low minimum generation capacity means that it will be dispatched before less efficient plants;
 - Availability of battery storage;
 - Stated ability to transition to alternative low carbon fuels/hydrogen.

8. Traffic generated during construction will give rise to potential disturbance and congestion on the local road network. These impacts would be adequately mitigated by:
- Existing low traffic volumes on road network;
 - Upgrade of the L1010 prior to the main construction phase;
 - Short-term nature of activities;
 - Implementation of a Construction Traffic Management Plan including the routing and scheduling of construction traffic to avoid coinciding with peak school times;
 - Appointment of a logistics manager.
9. Excavation and redevelopment of the site will give rise to direct impact on features of archaeological interest and previously unrecorded features. There will also be impacts on the setting of recorded monuments. The impacts would be adequately mitigated by:
- Full resolution of all archaeological sites and areas identified during archaeological testing and underwater surveys;
 - Compliance with the National Monuments Acts and the Construction Environmental Management Plan;
 - A Method Statement for Archaeological Works shall be agreed with the National Monuments Service, with fieldwork and monitoring by a suitably qualified and licensed archaeological contractor;
 - Completion of archaeological works prior to commencing enabling works;
 - Designated buffer zone around recorded monument.
10. Having regard to the nature and volume of materials to be stored and processed at the facility, the development gives rise to the potential for major accident or disaster or major accident to the environment. The impacts from such activities would be adequately mitigated by:
- Design and operation in accordance with industry standards and operator requirements under the COMAH Regulations 2015;



- Integral isolation valves in pipelines to isolate the inventory and reduce the consequences of an accident;
- Design and installation in accordance with the Environmental Protection Agency guidance for firewater retention and for the storage and transfer of materials for Scheduled activities;
- Separation of uses within the site.

Cumulative Impacts and Impacts from Interactions:

It is considered that effects, as a result of interactions, indirect and cumulative effects can be avoided, managed or mitigated by the measures which form part of the proposed development, the proposed mitigations measures detailed in the Environmental Impact Assessment Report and with suitable conditions. There is, therefore, nothing to prevent the approval of the development on the grounds of significant environmental effects, or as a result of cumulative effects or effects arising from interactions between environmental factors.

Proper Planning and Sustainable Development

It is considered that the proposed development, subject to compliance with the conditions set out below, would accord with the relevant policy at a European, national, regional and local level. The Board was satisfied that an approval for the proposed development would be consistent with national climate ambitions and with the relevant provisions of the Climate Action Plan 2024. Furthermore, the Board has performed its functions in relation to the making of its decision, in a manner consistent with Section 15(1) of the Climate Action and Low Carbon Act 2015, as amended by Section 17 of the Climate Action and Low Carbon Act 2021.

The proposed development along with the proposed battery energy storage facility, will provide back-up to a renewables-based electricity grid and will contribute to the resilience of the overall energy supply network. The need for such flexible generation capacity is recognised as a national priority in the Government Policy Statement on Security of Electricity Supply, and in the Climate Action Plan 2024. The proposed

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development will also otherwise be in accordance with the relevant provisions of the Kerry County Development Plan 2022-2028 and by reason of scale, form and extent would not seriously injure the visual amenities of the area, or of property in the vicinity, would be acceptable in terms of traffic safety and would constitute an appropriate form of development at this location. The proposed development would, therefore, be in accordance with the proper planning and sustainable development of the area.

CONDITIONS

1. The proposed development shall be carried out and completed in accordance with the plans and particulars lodged with the application and additional plans and particulars submitted on the 25th day of September, 2024, except as may otherwise be required in order to comply with the following conditions.

Reason: In the interests of clarity and the proper planning and sustainable development of the area and to ensure the protection of the environment.

2. The operational use of the proposed development shall expire on the 31st day of December, 2050, unless a subsequent planning permission to continue operating has been secured.

Reason: In the interests of clarity and consistency with statutory climate action targets.

3. The proposed 600 megawatts of electricity output generated by the power plant shall be made available for export to the national grid and shall be used as back up to intermittent renewable energy only, unless a subsequent planning permission has been secured to use part of the electricity generated for other purposes. The 120 megawatts of electricity stored in the Battery Energy Storage System shall be made available for export to the national grid and shall be used as back up to intermittent renewable energy only, unless a subsequent



planning permission has been secured to enable the storage to be used for other purposes.

Reason: In the interests of clarity and consistency with statutory climate action targets.

4. The mitigation measures and monitoring commitments identified in the Natura Impact Statement, shall be carried out in full.

Reason: In the interests of clarity and protection of the environment and the protection of European Sites during the construction and operational phases of the proposed development.

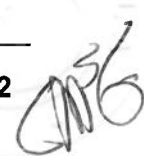
5. The mitigation measures and monitoring commitments identified in the Environmental Impact Assessment Report and other plans and particulars submitted with the application shall be carried out in full.

Reason: In the interest of clarity and protection of the environment during the construction and operational phases of the proposed development.

6. The period during which the development hereby permitted may be carried out shall be 10 years from the date of this Order.

Reason: Having regard to the nature and scale of the proposed development, the Board considers it appropriate to specify a period of validity of this permission in excess of five years.

7. (a) The upgrade of the L1010 local road between the R551 at Tarbert and the proposed development lands at Kilcolgan Lower and Ralappane shall be completed prior to the commencement of the main construction elements of the proposed development. This shall not preclude the undertaking of site preparation and earthworks contemporaneously with the upgrading of the L1010 local road. The precise extent of works which may be carried out prior to the



completion of the public infrastructure works, shall be agreed in writing with the planning authority prior to commencement of development and in default of agreement, shall be determined by An Bord Pleanála.

- (b) Final detail in relation to the design of the proposed entrance to the site from the L1010, including drainage design, shall be agreed in writing with the planning authority prior to the commencement of development on the site.

Reason: In the interest of road safety.

- 8. (a) Prior to commencement of development, the developer shall submit to, and agree in writing with, the planning authority, a detailed construction traffic management plan. This management plan shall include restrictions on traffic movements at Tarbert Comprehensive School, which shall prohibit the movement of heavy goods vehicle traffic associated with the construction of the terminal for an agreed period before and after the opening and closing times of the school. It shall also include the staggering of various shift start and finish times.
- (b) Pre- and post-construction phase surveys of the public road network to be used as haul routes, shall be carried out by the applicant, to include inspections of bridges, structures and culverts at locations to be agreed with the relevant roads authorities to confirm their capacity to accommodate any abnormal weight load proposed.
- (c) Abnormal load licences shall be secured by the developer in advance, if required, for the transportation of components, units and materials. Consultation with the relevant roads authority, An Garda Síochana and all necessary stakeholders shall be carried out in advance of transportation of abnormal loads.
- (d) Any required alterations to the road network for the transportation of components, units and/or materials shall be agreed in advance with the roads authority and reinstated thereafter, to the satisfaction of the

roads authority. Where such works affect the national road network, they shall be undertaken in accordance with Transport Infrastructure Ireland publications. Any temporary alterations to utilities shall be agreed with the appropriate utility provider in advance by the developer. Any land acquisition or temporary access to lands required for the conveyance of abnormal loads or materials shall be incumbent on the applicant to agree with the relevant landowner. A schedule of alterations to the road network including, but not limited to, signage, street furniture and vegetation, shall be agreed in advance with the relevant roads authority.

- (e) Any damage to the local and national road network arising from the transportation of components, units and/or materials to the site shall be rectified in accordance with the requirements of the roads authority, at the developer's expense.


Reason: In the interests of road safety, orderly development and the proper planning and sustainable development of the area.

- 9. The developer shall facilitate the archaeological appraisal of the site and shall provide for the preservation, recording and protection of archaeological materials or features which may exist within the site. All mitigation measures set out in the Chapter 12 of the Environmental Impact Assessment Report (AECOM, April 2024) shall be fully implemented prior to the commencement of developing works. In this regard, the developer shall:

- (a) Appoint a Project Archaeologist to oversee and advise on all aspects of the scheme from design through to completion. The Project Archaeologist shall liaise with the National Monuments Service (NMS) to agree in advance the appropriate scope for the full archaeological excavation of all archaeological sites and areas identified during archaeological testing which cannot be preserved in situ (as identified in Chapter 12 of the Environmental Impact Assessment Report or by any subsequent investigations associated with the project).



- (b) In advance of the commencement of any construction works, the developer shall engage a suitably qualified archaeologist to carry out a full archaeological excavation (licensed under the National Monuments Act) of all archaeological sites and areas identified during archaeological testing which cannot be preserved in situ (as identified in Chapter 12 of the Environmental Impact Assessment Report or by any subsequent investigations associated with the project).
- (i) The full archaeological excavation shall be carried out according to Best Archaeological Practice and in accordance with an approved Method Statement that shall incorporate a strategy for environmental sampling, finds retrieval and conservation and subsequent publication or other suitable dissemination of results.
- (ii) If significant archaeological features are discovered during the course of the full archaeological excavation, work on the site shall stop, pending a decision of the planning authority in consultation with the Department of Housing, Local Government and Heritage, regarding appropriate additional mitigation measures which may include preservation in situ or full archaeological excavation. Any additional archaeological mitigation requirements specified by the planning authority, following consultation with the Department of Housing, Local Government and Heritage, shall be complied with by the developer.
- (iii) No construction works shall be carried out on site until a Preliminary Excavation Report on the full archaeological excavation has been submitted to the Department of Housing, Local Government and Heritage and to the planning authority and approval to proceed is agreed in writing.
- (iv) The developer shall ensure that any necessary post-excavation analysis – as set out in the Preliminary Excavation Report – including (but not limited to) specialist analysis of finds and samples, scientific dating and conservation of artefacts is completed.

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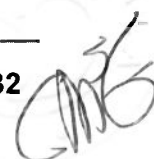
- (v) The developer shall ensure that the results of the full archaeological excavation are adequately disseminated to the public by way of publication or other appropriate means.
- (c) A suitably qualified archaeologist shall be retained to advise on and establish appropriate exclusion zones around the external-most elements of the vulnerable heritage assets that are to be preserved in situ (as identified in Chapter 12 of the Environmental Impact Assessment Report or by any subsequent investigations associated with the project).
 - (i) Exclusion zones shall be fenced off or appropriately demarcated for the duration of construction works in the vicinity of the monuments. The location and extent of each exclusion zone and the appropriate methodology for fencing off or demarcating at each location shall be agreed in advance with the Department of Housing, Local Government and Heritage and the planning authority.
 - (ii) No groundworks of any kind (including but not limited to) geotechnical site investigations and no machinery, storage of materials or any other activity related to construction will be permitted within exclusion zones.
- (d) The Construction Environmental Management Plan shall include the location of any, and all archaeological or cultural heritage constraints relevant to the proposed development, as set out in Chapter 12 of the Environmental Impact Assessment Report (AECOM, April 2024) and by any subsequent archaeological investigations associated with the project. The Construction Environmental Management Plan shall clearly describe all identified likely archaeological impacts, both direct and indirect, and all mitigation measures to be employed to protect the archaeological or cultural heritage environment during all phases of site preparation and construction activity.

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- (e) The planning authority and the Department of Housing, Local Government and Heritage shall be furnished with a final archaeological report describing the results of all archaeological monitoring and any archaeological investigative work on site and any necessary post-excavation specialist analysis. All resulting and associated archaeological costs shall be borne by the developer.

Reason: In order to conserve the archaeological heritage of the area and to secure the preservation in-situ or by record, and protection of any archaeological remains that may exist within the site.

- 10. All mitigation measures set out in Chapter 12 of the Environmental Impact Assessment Report (AECOM, April 2024) shall be fully implemented prior to the commencement of developing works. In advance of the commencement of any construction works, the developer shall engage a suitably qualified archaeologist to carry out an Underwater Archaeological Impact Assessment that includes the following:
 - (a) A desktop assessment that addresses the underwater cultural heritage (including archaeological, built, vernacular, riverine and industrial heritage) of the proposed development area. The assessment shall include a full inventory, mapping and survey (photographic, descriptive, photogrammetric, as appropriate) of underwater cultural heritage features and structures identified by fieldwork, cartographic analysis, historical research and prior archaeological investigations.
 - (b) A licensed dive/wade assessment, accompanied by a hand-held metal detection survey, centred on (but not confined to) the area(s) where in-stream works are proposed. The dive and metal detection surveys shall be undertaken by a suitably qualified and experienced underwater archaeologist. All identified underwater cultural heritage shall be surveyed (photographic, descriptive, photogrammetric) in detail as part of the assessment.



- (c) A dive/survey licence (Section 3, 1987 National Monuments Act) and detection device consent (Section 2, 1987 National Monuments Act) will be required for the dive survey and metal detection, respectively. Licences should be applied for to the National Monuments Service and should be accompanied by a detailed Method Statement. Note a period of three to four weeks should be allowed to facilitate processing and approval of the licence applications and Method Statement. All archaeological wading/diving should comply with the Health and Safety Authority's "Safety, Health and Welfare at Work (Diving) Regulations 2018/2019".
- (d) Having completed the above-described works, the archaeologist shall submit a written report to the Department of Housing, Local Government and Heritage describing the results of the Underwater Archaeological Impact Assessment. The report shall include a comprehensive Archaeological Impact Statement that comments on the degree to which the extent, location and levels of all proposed construction activities (including in-stream/intertidal site investigation works) required for the development will impact upon any underwater cultural heritage and archaeological potential that have been identified. The Archaeological Impact Statement shall describe the potential impact(s) of all proposed in-stream development, access and ingress routes to the river, and shall also assess any proposed additional site investigation/geotechnical impacts and potential secondary/indirect impacts such as souring resulting from changes in hydrology. The Archaeological Impact Statement should be illustrated with appropriate plans, sections and photographs that clearly describe any adverse effect(s) of the development on the underwater cultural heritage and proposals for their mitigation. Mitigation should include recommendations for redesign to allow for full or partial preservation in situ, the intuition of archaeological exclusion zones, further wade/dive surveys, test-excavations, excavations ('preservation by record') and/or monitoring, as deemed appropriate. The Department of Housing, Local Government and Heritage will advise with regard to these matters. No construction works shall commence until after the Underwater Archaeological Impact Assessment has been submitted



and reviewed. All recommendations will require the agreement of the Department of Housing, Local Government and Heritage.

The Construction Environmental Management Plan shall include the location of all underwater cultural heritage constraints relevant to the proposed development, as set out in Chapter 12 of the Environmental Impact Assessment Report (AECOM, April 2024) and by any subsequent archaeological investigations associated with the project. The Construction Environmental Management Plan shall clearly describe all identified likely archaeological impacts, both direct and indirect, and all mitigation measures to be employed to protect the archaeological or cultural heritage environment during all phases of site preparation and construction activity.

Reason: In order to conserve the archaeological heritage of the area and to secure the preservation (in-situ or by record) and protection of any archaeological remains that may exist within the site.

11. (a) Prior to commencement of development, all trees, groups of trees, hedging and shrubs which are to be retained shall be enclosed within stout fences not less than 1.5 metres in height. This protective fencing shall enclose an area covered by the crown spread of the branches, or at minimum a radius of two metres from the trunk of the tree or the centre of the shrub, and to a distance of two metres on each side of the hedge for its full length and shall be maintained until the development has been completed.
- (b) No construction equipment, machinery or materials shall be brought onto the site for the purpose of the development until all the trees which are to be retained have been protected by this fencing. No work shall be carried out within the area enclosed by the fencing and, in particular, there shall be no parking of vehicles, placing of site huts, storage compounds or topsoil heaps, storage of oil, chemicals or other substances, and no lighting of fires, over the root spread of any tree to be retained.



- (c) Prior to commencement of development, an Operational Stage Biodiversity Management Plan for the site shall be prepared and agreed in writing with the planning authority.

Reason: To protect trees and planting during the construction period in the interest of visual amenity.

- 12. Trees to be removed on site shall be felled in late summer or autumn. Any disturbance to bats and badger setts on site shall be in a manner to be agreed in writing with the planning authority on the advice of a qualified ecologist.

Reason: In the interest of nature conservation.

- 13. During the construction phase, the developer shall adhere to the measures, as set out in the following documents:

- (a) "Guidelines for the Treatment of Badgers prior to the Construction of National Road Schemes," published by the National Roads Authority in 2006. The mitigation measures, as set out in section 7B.6.1.7 of the Environmental Impact Assessment Report shall be implemented in full.
- (b) "Bat Mitigation Guidelines for Ireland v2". Irish Wildlife Manuals, Number 134, published by the National Parks and Wildlife Service (2022). The specific mitigation measures, as set out in section 7B.6.1.8 of the EIAR shall be implemented in full.
- (c) "Guidelines for the Treatment of Otters Prior to the Construction of National Road Schemes," published by the National Roads Authority in 2008. The mitigation measures, as set out in section 7B.6.1.9 of the Environmental Impact Assessment Report shall be implemented in full.

The requirements of any licence required from the National Parks and Wildlife Service shall be strictly adhered to and details of any such licence shall be submitted to the planning authority.

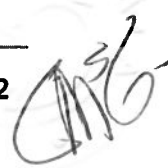
Reason: In the interest of wildlife protection.



14. Water supply arrangements shall comply with the requirements of Uisce Éireann for such works and services.

Reason: In the interest of public health.

15. The construction of the development shall be managed in accordance with a final Construction Management Plan, which shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. This plan shall provide details of intended construction practice for the development, including, inter alia:
- (a) Location of the site and materials compounds including areas identified for the storage of construction refuse;
 - (b) Location of areas for construction site offices and staff facilities;
 - (c) Details of site security fencing and hoarding;
 - (d) Details of the timing and routing of construction traffic to and from the construction site and associated directional signage, to include proposals to facilitate the delivery of abnormal loads to the site;
 - (e) Measures to prevent the spillage or deposit of clay, rubble or other debris on the public road network;
 - (f) Details of appropriate mitigation measures for noise, dust and vibration, and monitoring of such levels;
 - (g) Containment of all construction-related fuel and oil within specially constructed bunds to ensure that fuel spillages are fully contained. Such bunds shall be roofed to exclude rainwater;
 - (h) Off-site disposal of construction/demolition waste and details of how it is proposed to manage excavated soil, and
 - (i) A site-specific water management plan, to include detailed drawings for each development phase of the project identifying measures to ensure that surface water run-off is controlled such that no silt or other pollutants enter estuarine waters, local surface waters or drains.

A handwritten signature in black ink is written over a faint circular official stamp. The signature appears to be 'M36'.

A record of daily checks that the works are being undertaken in accordance with the Construction Management Plan shall be kept for inspection by the planning authority.

Reason: In the interests of amenities, public health and safety.

16. Construction and demolition waste shall be managed in accordance with a Construction Waste and Demolition Management Plan, which shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. This plan shall be prepared in accordance with the "Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects," published by the Department of the Environment, Heritage and Local Government in July 2006.

Reason: In the interest of sustainable waste management.

17. During the site clearance, preparation and construction phase of the development, dust levels shall not exceed 350 milligrams per square metre (TA LUFT Air Quality Standard) per day averaged over 30 days, when measured at the site boundary.

Reason: In the interests of public health and residential amenity.

18. (a) The vibration levels from blasting shall not exceed a peak particle velocity of 12mm/sec.
- (b) Blasting shall not give rise to air overpressure values exceeding 125 dB (Lin) max peak.
- (c) Blasting shall only take place between 1000 hours and 1700 hours from Monday to Friday. Prior to the firing of any blast, the developer shall give notice of their intention to the occupiers of all dwellings within 600 metres of the site. An audible alarm for a minimum period of one minute shall be sounded. This alarm shall be of sufficient power to be heard at all dwellings adjacent to the site.



- (d) Blasting activities shall be carried out in accordance with the details submitted to An Bord Pleanála on the 19th day of April 2024.

Reason: In the interests of residential amenity and public safety.

19. Details of the materials, colours and textures of all external finishes to the proposed buildings and structures shall be as submitted with the application, unless otherwise agreed in writing with the planning authority prior to the commencement of development.

Reason: In the interests of landscape and visual amenity.

20. (a) The development shall be carried out in accordance with the Guidance to Manage the Risk to Marine Mammals from Man-Made Sound Sources in Irish Waters (Department of Arts, Heritage and the Gaeltacht, 2014).
- (b) The developer shall employ suitably qualified marine mammal observers for the duration of onshore blasting. Commencement of blasting shall be delayed if the marine mammal observers note dolphins within 500 metres of the site within 20 minutes of the planned commencement of works. No action shall be necessary if a dolphin approaches once operations have commenced. A log of the marine mammal observer operations shall be submitted to the planning authority, following completion of these works.

Reason: In the interest of wildlife protection.

21. The firewater retention pond shall be sized and designed in accordance with the Environmental Protection Agency (EPA) "Guidance on Retention Requirements for Firewater Run-off" (EPA 2019). In the event of a fire or a spillage to storm water, the system shall provide for the automatic diversion of storm water for collection.

Reason: In the interest of environmental protection.



22. Prior to commencement of development, the developer shall agree the location and nature of any obstacle lights, which may be necessary, with the Irish Aviation Authority. Details of such lights, if any, shall be submitted for the records of the planning authority.

Reason: In the interest of public safety.

23. Prior to commencement of development, a comprehensive lighting scheme for the development prepared by a suitably qualified lighting specialist in accordance with Guidance Note 01/21 The Reduction of Obtrusive Light at Night (Institute of Lighting Professionals (2021)) shall be submitted to, and agreed in writing with, the planning authority. Lighting for the facility shall be designed to incorporate relevant best-practice mitigation measures to minimise light pollution, and shall avoid the use of unfiltered, white LED, metal halide, white fluorescent, halogen and mercury vapour lighting. Full cut-off lighting shall be employed for all lighting.

LED lighting used on the site should have CCT values at or below 3000K, where possible, and light spill onto the estuary should be restricted.

Consideration may be given to the use of variable lighting levels or other controls to minimise unnecessary lighting. The scheme shall also set out practices to minimise light pollution during construction.

Reason: In the interest of visual amenity and to reduce impacts on wildlife and habitats.

24. The developer shall pay to the planning authority a financial contribution in respect of public infrastructure and facilities benefiting development in the area of the planning authority that is provided or intended to be provided by or on behalf of the authority in accordance with the terms of the Development Contribution Scheme made under section 48 of the Planning and Development Act 2000, as amended. The contribution shall be paid prior to commencement of development or in such phased payments as the planning authority may facilitate and shall be subject to any applicable indexation provisions of the



Scheme at the time of payment. Details of the application of the terms of the Scheme shall be agreed between the planning authority and the developer or, in default of such agreement, the matter shall be referred to An Bord Pleanála to determine the proper application of the terms of the Scheme.

Reason: It is a requirement of the Planning and Development Act 2000, as amended, that a condition requiring a contribution in accordance with the Development Contribution Scheme made under section 48 of the Act be applied to the permission.

25. The developer shall pay to the planning authority a financial contribution as a special contribution under section 48(2)(c) of the Planning and Development Act 2000, as amended, in respect of works which will facilitate the proposed development, comprising:
- (a) The upgrade of the public road (L1010) between the proposed development site and the R551, and
 - (b) Improvements at the junction of the R551 and L1010 to accommodate the projected nature and volume of traffic travelling along the L1010 Coast Road.

The amount of the contribution shall be agreed between the planning authority and the developer, or, in default of such agreement, the matter shall be referred to An Bord Pleanála for determination. The contribution shall be paid prior to commencement of development or in such phased payments as the planning authority may facilitate and shall be updated at the time of payment in accordance with changes in the Wholesale Price Index – Building and Construction (Capital Goods), published by the Central Statistics Office.

Reason: It is considered reasonable that the developer should contribute towards the specific exceptional costs which are incurred by the planning authority which are not covered in the Development Contribution Scheme, and which will benefit the proposed development.



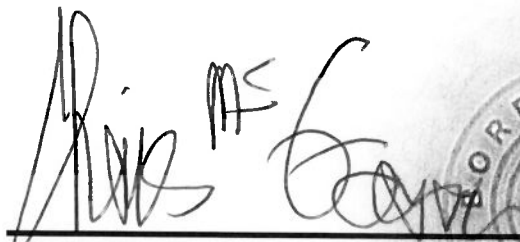
26. (i) Prior to commencement of development, the developer shall lodge with the planning authority a cash deposit, a bond of an insurance company, or other security to secure the provision and satisfactory reinstatement of public roads damaged by the transfer of materials or use as haul routes associated with the proposed development, coupled with an agreement empowering the local authority to apply such security or part thereof to the satisfactory completion of such works. The form and amount of the security shall be as agreed between the planning authority and the developer or, in default of agreement, shall be referred to An Bord Pleanála for determination.
- (ii) Prior to commencement of development, the developer shall lodge with the planning authority a cash deposit, a bond of an insurance company, or such other security as may be acceptable to the planning authority, to secure the satisfactory reinstatement of the site on cessation of the project coupled with an agreement empowering the planning authority to apply such security or part thereof to such reinstatement. The form and amount of the security shall be as agreed between the planning authority and the developer or, in default of agreement, shall be referred to An Bord Pleanála for determination.

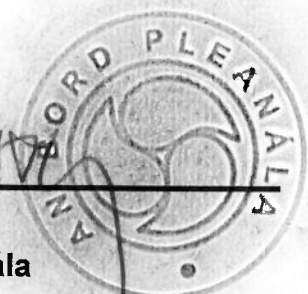
Reason: To ensure the satisfactory completion of the development.

Schedule of Costs

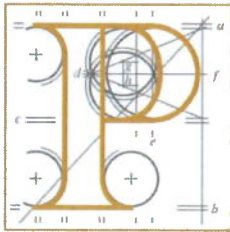
In accordance with the provisions of section 37H(2)(c) of the Planning and Development Act 2000, as amended, the amount due to be refunded to the applicant is **€43,628**

A breakdown of the Board's costs is set out in the attached Appendix 1.


Chris McGarry
Member of An Bord Pleanála
duly authorised to authenticate
the seal of the Board.



Dated this 13th day of March 2025.



An
Bord
Pleanála

Board Order –
Appendix 1

ABP-319566-24

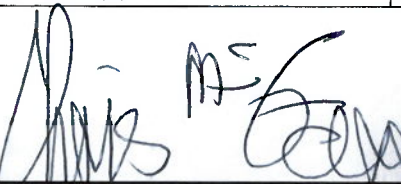
Strategic Infrastructure Development

Costs of determining the Application

Case Number: ABP-319566-24

Proposed Development: The proposed development will comprise of a 600MW Powerplant, 120MW Battery Energy Storage System, Above Ground Installation and associated ancillary works. Located within the townlands of Kilcolgan Lower and Ralappane between Tarbert and Ballylongford, Co. Kerry.

Board Costs		
(1)	Cost (calculated based on Inspector's time) Inspector 1 (pre-application consultation) €4,541 Inspector 2 (application) €54,731	€59,272
(2)	Costs invoiced to Board	N/A
	Total chargeable costs	€59,272
Board Fees		
(3)	Application Fee - €100,000 Pre-application Consultation Fee- €1,000	€101,000
(4)	Observer fees paid	€1,900
	Total	€102,900
	Net amount due to be refunded to the applicant	€43,628


Chris McGarry
Member of An Bord Pleanála
duly authorised to authenticate
the seal of the Board.

Dated this 13th day of March 2025