DublinAirport

Proposed Dublin Airport (HV/MV) Substation

Pre-application consultation presentation

ACP-324451-26

29th September, 2026

daa

AtkinsRéalis - Confidential / Confidentiel

Agenda

- Introduction
- Site Location & Description
- Proposed Development
- Purpose of the Proposed Development
- Existing Electrical Demand and Future Requirements
- Need for the Proposed Development
- Function of the Proposed Development
- High-Level Policy
- Legislative Context and Response
- Conclusion
- Questions

AtkinsRéalis - Confidential / Confidentiel

Introduction

- This pre-application consultation request by daa plc under S182E of the Planning and Development Act, 2000, as amended relates to a proposed new HV/MV GIS Substation.

- This presentation sets out:

  - The location of the proposed development
  - The nature and extent of the proposed development
  - The purpose of the proposed development
  - The key planning policy provisions
  - The legislative provisions
  - Conclusion

- The proposed development is required exclusively to support Dublin Airport and its operational requirements.

Site Location & Description

- **The proposed site, c. 0.55ha in area, is located to the north (airside) and south (landside), and includes part of the Old Airport Road.**
  - **The airside portion of the site, comprises of a flat terrain of mostly grassland and is elevated above the roadside. A perimeter roadway runs through this area. An existing airside substation lies approximately 60m directly to its west. To the east of the landside site lies an existing setback gate from the Old Airport Road. Boundaries comprise of security fencing along the perimeter of the road.**
  - **The landside portion of the site comprises level greenfield lands with boundaries comprising of hedgerows to its north, east and west, and metal fencing to its south. The lands immediately to the south comprise airport car parking facilities. Commercial and office developments are situated to the east, while undeveloped greenfield lands extend to the west.**



daa

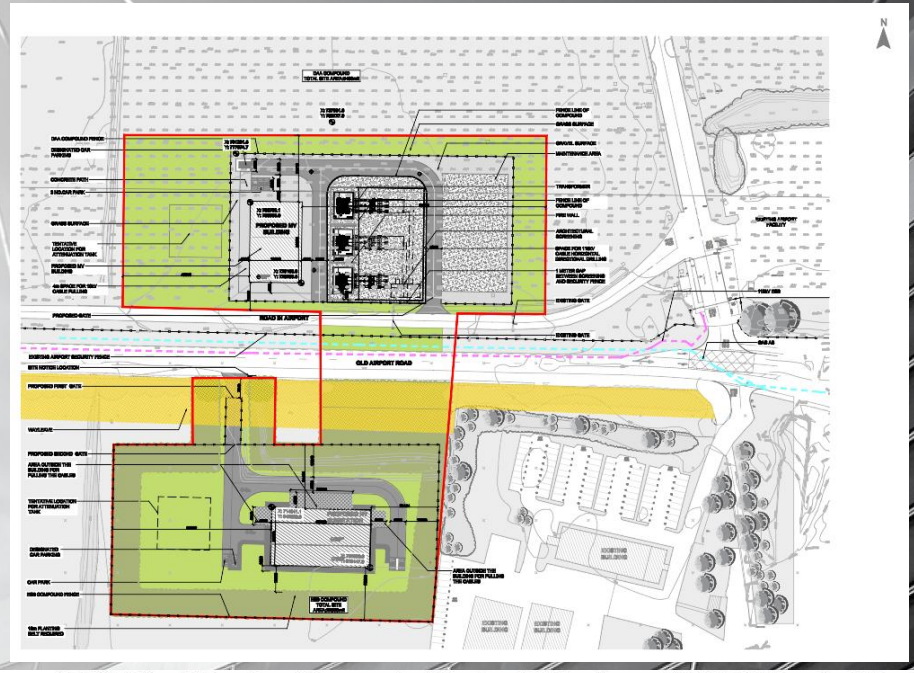
Proposed Development

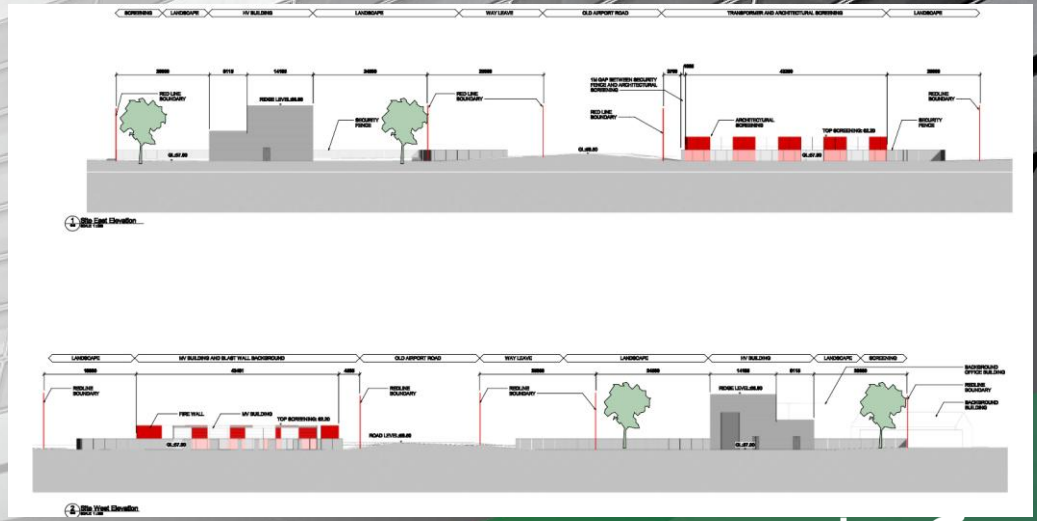
- **The proposed development includes:**

- **Works on the site to the north of the Old Airport Road, within the Airport campus:**
  - **Proposed Switch Building with fire wall, part 5.5m in height, and 11.9m in height to ridge level**
  - **Transformer c. 5.2m in height**
  - **Entrance gate and compound fencing**
  - **Internal roads, drainage, car parking and cycle parking**

- **Works on the site to the south of the Old Airport Road:**
  - **Proposed single storey HV substation c. 11.9m in height**
  - **Compound fence and access gates**
  - **Internal roads, drainage, car parking, cycle parking, and landscaping**

  - **As there are no existing structures within either land area; demolition works are not required**





Purpose of the Proposed Development

- **The proposed substation will support airport operations, resilience, decarbonisation and future airport growth.**

- **Specifically, it will serve the following Dublin Airport requirements:**

  - **EV charging infrastructure,**
  - **electrification of heat to support decarbonisation objectives,**
  - **provision of Fixed Electrical Ground Power (FEGP), and**
  - **other planned expansion projects.**

- **These requirements relate solely to Dublin Airport and do not arise from, or facilitate, third-party development or the wider area.**

Existing Electrical Demand and Future Requirements

- **Dublin Airport MV network is expected to experience significant load growth driven by:**
  - **airport projects**
  - **electrification initiatives**
  - **operational infrastructure**
  - **renewable energy integration, and**
  - **future airport development within the airport campus.**
- **All forecast electrical demand relates exclusively to Dublin Airport operational requirements.**

Need for the Proposed Development

- **The proposed development is required to develop a new resilient electrical infrastructure dedicated to Dublin Airport, to support:**
  - **Existing airport operations.**
  - **Future airport growth and development.**
  - **Airport decarbonisation objectives.**
  - **Renewable energy generation and battery storage proposals serving the airport.**
  - **Security of supply and network resilience.**

Function of the Proposed Development

- **<u>The proposed development will serve the airports needs only and will not serve any other lands or development in the vicinity.</u>**

- **Specifically:**

  - **The substation is dedicated exclusively to Dublin Airport.**
  - **The substation will not serve adjacent development lands.**
  - **The substation will not provide capacity for non-airport development.**
  - **The infrastructure is required to meet the current and future operational needs of Dublin Airport, including renewable energy and electrification projects.**

High-Level Policy

There is specific policy support for the proposed development in principle.

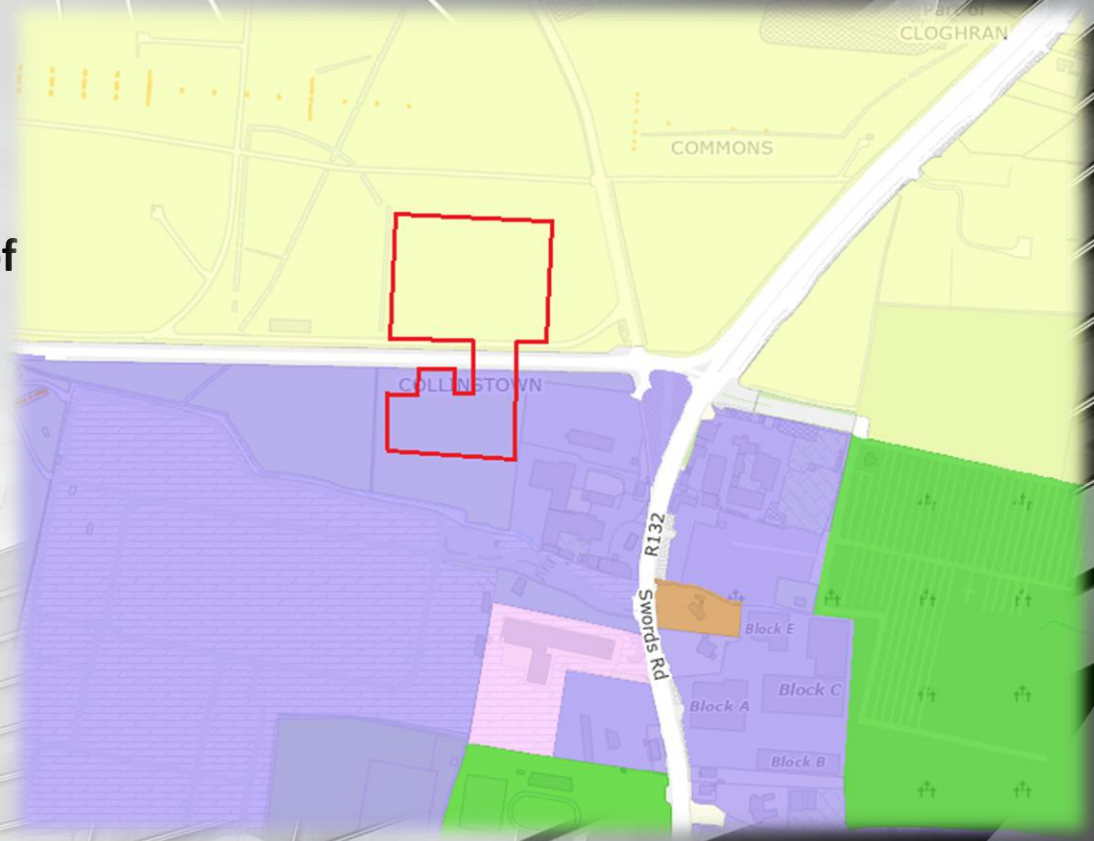
Key national and regional policies include:

- **NPF First Revision: NSO 8, Transition to a Low Carbon and Climate Resilient Society, which seeks to *reinforce the distribution and transmission network to facilitate planned growth.***
- **Eastern & Midland Regional Assembly Regional Spatial and Economic Strategy: RPO 8.17 supports the growth of Dublin Airport and the provision of *other infrastructure* necessary to facilitate its continued development.**

High-Level Policy

- **In the Fingal County Development Plan 2023-2029, the airside section of the site is zoned DA which supports the development of air transport infrastructure uses and the landside section is zoned GE which supports opportunities for general enterprise and employment; both of which 'permit in principle', utility installations.**

- **The site is located in the Outer Public Safety Zone (PSZ) and is located in Airport Noise Zone A. It is neither a people intensive use nor a noise sensitive use and is therefore acceptable in both zones.**



High-Level Policy

Key Development Plan policies include:

- **Objective DAO1 – Safeguarding Dublin Airport:** *Facilitate the operation and future development of Dublin Airport*
- **Objective DAO2 – Safeguarding the Current and Future Requirements of Dublin Airport:** *Safeguard the current and future operational, safety, technical and developmental requirements of Dublin Airport*
- **Policy DAP2 – Infrastructure Provision:** *Ensure that the required infrastructure and facilities are provided at Dublin Airport*
- **Objective IUO44 – Energy Utilities:** *Support the development of enhanced electricity and gas supplies, and associated transmission and distribution networks*

Key Local Area Plan policies include:

- **Objective CA04:** *Facilitate, where appropriate, sustainable energy development proposals and projects at Dublin Airport.*



Legislative Context and Response

- **The proposed development comprises development for the purposes of electricity transmission as defined in Section 182A(9) of the Act.**

- **The proposed substation constitutes electrical plant.**

- **However, it is considered that the proposed development does not constitute SID for the following reasons:**

  - **<u>The proposed development is to serve the Airport's needs only, and will not serve any other lands or development in the vicinity</u>.**
  - **It will effectively constitute the end of the network and will be taking from, and not adding to, network capacity. It will not form part of the transmission network.**
  - **It will also not form a node on the transmission network.**
  - **Given its nature, function and scale it is not, of itself, of strategic economic importance to the State, would not contribute substantially to the fulfilment of any of the objectives in the National Planning Framework or the current Regional Planning Guidelines for the Eastern and Midlands region, and are within the catchment of a single planning authority.**

Conclusion

- **In conclusion, the proposed substation:**
  - **is essential airport infrastructure.**
  - **is required exclusively to serve Dublin Airport.**
  - **supports existing operations, future airport growth, renewable energy integration and decarbonisation.**
  - **improves resilience, reliability and security of electricity supply at Dublin Airport.**
- **In this context, it is considered that the proposed development does not constitute strategic infrastructure development.**

Thank you.

Questions