



# Dublin Airport Update

November 19, 2024

## Geothermal Energy – The Heat Beneath Our Feet

Temperatures fluctuate above ground, but a few feet below the earth's surface the ground remains at a relatively constant temperature. The deeper the depth, the higher the temperature rises. This gives rise to a renewable, low carbon energy source.

## Alternative to Natural Gas

Ireland heavily dependent on gas and oil for heating buildings. Geothermal offers an alternative to heating our buildings, which would bring about reductions in emissions.

## Carbon Savings

Geothermal systems operate using electricity and deliver approx. 75% savings on emissions versus gas (more in the most optimum conditions). Ground source heat pumps also require less maintenance than gas boilers.

## Geothermal feasibility study was carried out at Dublin Airport in 2021

Testing completed by geothermal specialist consultants in 2021. Site is an effective geothermal resource suitable for a ground source heat pump (GSHP) system.

## Government supported technology

Geological Survey Ireland (GSI), a division of the Dept. of Env, Climate & Comm promotes uptake of geothermal, as a renewable heating resource. As the State's proponent of geothermal, they offer supports with regards to resources and best practice.

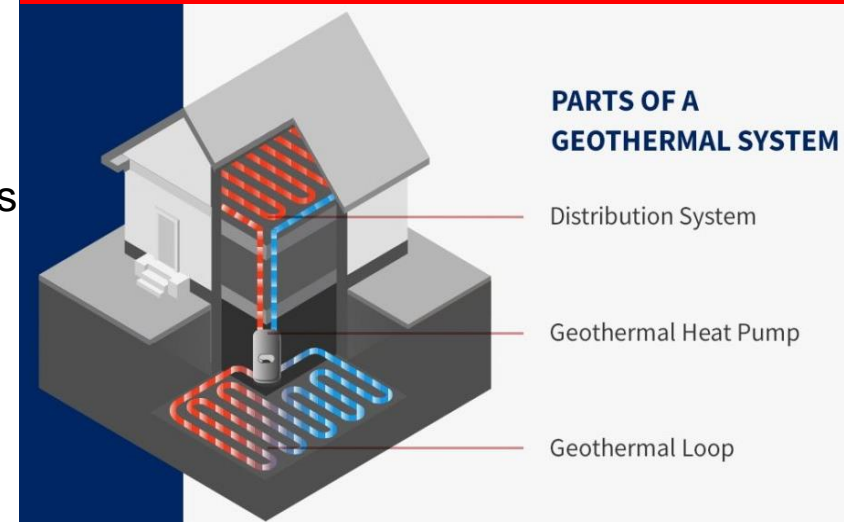
## Other locations employing geothermal

Ikea, Trinity, TUD Grangegorman, Athlone Town Centre

Geothermal borehole



Ground Source Heat Pump: How It Works



## Likely the biggest solar array in Dublin

15,000 high-efficiency panels across 11 hectares harnessing

## Carbon savings

Reducing carbon emissions by more than 2,500 tonnes annually. **13%** of Dublin Airport's electricity needs will be met with the energy harnessed.

## Phase 2 of Solar Farm

We are currently investigating the most suitable location with plans for 4-8MW of power, and potential incorporating battery energy storage systems (BESS)

## Glint and Glare

In 2019 a glint and glare assessment was undertaken in the vicinity of Dublin Airport to identify locations where there was no risk involved with installing panels. The study was very clear; the various assessed sites passed or failed the G&G test.

As solar panel technology has since advanced, in that newer panels have more modern Anti reflective coating (ARC), a new study will be undertaken which may uncover more suitable green field sites.

9MW Solar farm



Solar Farm



## Agenda

### St. Margaret's Community Liaison Group

**Date:** Tuesday, 19 November 2024

**Time:** 7.00pm

**Location:** Radisson Blu Hotel, Dublin Airport

**Meeting No:** 53

- **Apologies**
- **Minutes of Meeting of 24 September 2024**
- **Matters Arising**
- **Dublin Airport Update**
- **Fingal County Council**
  - Actions from Previous Meeting
  - Fingal County Council Update
  - Dublin Airport Planning Applications
- **Update from Residents**
- **Chairperson Meetings**
- **AOB**

No	Issue	daa response
1.	At the previous CLG meeting, AK presented on Air Quality and committed to provide further information	Information provided by email to members on 15 November 2024
2.	AF advised that a meeting would be arranged for six/eight members of St. Margaret's and The Ward Group to present their Vision for St. Margaret's	MM emailed PS on November 13 with options for meeting in December 2024
3.	AF advised that MM would contact PS to arrange a visit to his home	MM emailed PS on November 13 with options for meeting in December 2024
4.	GOR requested a copy of the community sentiment survey to be circulated to CLG members. AF advised this would be sent to members when published	Report will be sent to members when it is published
5.	GOR queried road ownership in the local area and the status of change of ownership of roads to FCC	Map sent by email to members on 15 November 2024
6.	GOR noted roadworks took place at Keeling's in September and requested further information	Information provided by email to members on 15 November 2024

- In October, Dublin Airport welcomed 2.9m passengers.
- daa continues to make every effort to dampen airline demand to comply with the 32 million terminals passenger cap.
- The High Court has granted a stay on the decision by the Irish Aviation Authority (IAA) to cap the number of passenger seats to 25.2 million for summer 2025.
- Judicial Review proceedings will be heard on 3 December regarding the IAA's decision to cap winter 2024/25 passenger seats to 14.4 million.
- Dublin Airport submitted its response on 13 November to Fingal's further Request for Information in relation to the Infrastructure Application.
- Dublin Airport is hiring Airport Search Unit Officers for the Security team with excellent conditions. Full time opportunities are available, and further information can be found on our career's website at [www.daa.ie/careers](http://www.daa.ie/careers)
- Development has begun on the new-build Sofitel hotel located at Terminal 2, set to open by late-2026. The airport-linked hotel, comprising 412 guest rooms, will host a suite of features including a restaurant, executive lounge, fitness centre and meeting spaces.
- The Community Fund has closed for this year's second round of applications and the independent Grant Making Panel will meet in December to consider all eligible proposals.



As usual, if there is a certain topic which CLG members would like the relevant airport experts to come and present on at the next CLG meeting, please feel free to submit a suggestion.