



CleanerGrid

**Call for Third-Level Students to participate in
EirGrid Cleaner Grid Competition**





What's in it for students:

1st prize:
€6000

2nd prize:
€3000

3rd prize:
€1000

+ Matching prizes for 3rd level institutions!

What is the Cleaner Grid Competition?

"Present your vision of what the growing energy sector will need to look like in 2050 to have achieved net-zero emissions".

EirGrid's focus on the transition to achieve net-zero carbon emissions is ensuring we retain a stable and balanced power system while also meeting the growing electricity demand on the island of Ireland.

We want to hear from our third-level students with their ideas of how the grid will need to change to allow for more renewable sources and less synchronous generation; including what policies will need to be in place, how the economy will be affected and how it will need to adapt, how technology can help achieve this goal, or any other relevant point of view.

Who can apply?

Anyone enrolled in a 3rd level institute in the Republic of Ireland, below PhD level.

How to apply:

See details online at www.eirgrid.ie/cleanergrid. Email your application form and signed terms and conditions to Research@EirGrid.com by **23:59 on Thursday 31st of October 2024.**

When

Application Form Submission Deadline	31st October 2024
Competition Starting Date	1st November 2024
Competition Closing Date	28th February 2025
Project Presentation & Award Ceremony in EirGrid offices, Dublin	March 2025

What will be submitted

1. Report -

The report should be submitted to Research@eirgrid.com.

Specifications

- Report should be between 10 and 20 pages
- The report should be an MS Word or PDF document.

Report submitted for the CleanerGrid competition will be judged on the following criteria:

- How central is a sustainable electricity system to your vision? Have you considered net-zero by 2050 as a hard constraint?
- How feasible/realistic is the vision in terms of the likelihood that it could be put into place?
- How achievable is it that the vision could be in place by 2050?
- How affordable is the vision?
- Have you considered the impact of the vision on the electricity system in Ireland?
- Consider how your vision will affect the stability of the energy system and the security of supply.
- Have you considered how all elements of the energy system (markets, infrastructure, policy, environment, operation of the grid, etc.) will be impacted by your vision?
- How detailed is your approach to point f) above?
- How original and creative is your vision?
- How well are your results presented?
- Have you supported all evidence used in your vision?"

2. Presentation:

A slide-deck or video presentation (max. 15 mins) will need to be submitted alongside your report with the following criteria:

- a) Context** How does your vision fit within the context of the energy industry?
- b) Clarity** How clear and thought out are your ideas?
- c) Credibility** Have you backed up your claims?
- d) Creativity** How creative and innovative is the content of your vision?
- e) Charisma** How well are your ideas presented?"





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